EMERALD VIEWS RESIDENTIAL DEVELOPMENT
DRAFT ENVIRONMENTAL IMPACT REPORT

TECHNICAL APPENDICES:
VOLUME II

STATE CLEARINGHOUSE No. 2007112042

LSA

October 2011

EMERALD VIEWS RESIDENTIAL DEVELOPMENT
DRAFT ENVIRONMENTAL IMPACT REPORT

TECHNICAL APPENDICES:
VOLUME II

STATE CLEARINGHOUSE No. 2007112042

Submitted to:

City of Oakland
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LSA

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EMERALD VIEWS RESIDENTIAL DEVELOPMENT
DRAFT ENVIRONMENTAL IMPACT REPORT

TECHNICAL APPENDICES - cont.

Volume II

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APPENDIX C

AIR TECHNICAL DATA

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: P:\SDZ0601 19th Street Emerald Views\BACKGROUND\Air, Noise\Revised AQ\19th Street AQ 8-14-10.urb924

Project Name: 19th Street

Project Location: Bay Area Air District

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2011 TOTALS (tons/year unmitigated)	0.40	4.55	1.95	0.00	0.30	0.19	0.50	0.07	0.18	0.24	618.14
2011 TOTALS (tons/year mitigated)	0.40	4.18	1.95	0.00	0.15	0.15	0.30	0.03	0.14	0.17	618.14
Percent Reduction	0.00	8.20	0.00	0.00	50.03	22.45	39.28	48.61	22.45	29.46	0.00
2012 TOTALS (tons/year unmitigated)	0.29	1.89	4.23	0.00	0.02	0.10	0.12	0.01	0.09	0.10	592.31
2012 TOTALS (tons/year mitigated)	0.29	1.68	4.23	0.00	0.02	0.07	0.09	0.01	0.06	0.07	592.31
Percent Reduction	0.00	11.37	0.00	0.00	0.00	30.89	25.60	0.00	31.22	28.89	0.00
2013 TOTALS (tons/year unmitigated)	0.76	1.70	4.14	0.00	0.02	0.09	0.11	0.01	0.08	0.09	623.92
2013 TOTALS (tons/year mitigated)	0.30	1.52	4.14	0.00	0.02	0.06	0.08	0.01	0.06	0.06	623.92
Percent Reduction	61.11	10.68	0.00	0.00	0.00	28.07	22.10	0.00	28.45	25.74	0.00
2014 TOTALS (tons/year unmitigated)	4.08	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.86

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2014 TOTALS (tons/year mitigated)	2.19	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.86
Percent Reduction	46.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	3.82	0.51	0.50	0.00	0.00	0.00	657.89

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	2.27	2.63	24.56	0.03	4.98	0.95	2,692.82

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (tons/year, unmitigated)	6.09	3.14	25.06	0.03	4.98	0.95	3,350.71

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Mitigated Emissions (Pounds/Day)

File Name: P:\SDZ0601 19th Street Emerald Views\BACKGROUND\Air, Noise\Revised AQ\19th Street AQ 8-14-10.urb924

Project Name: 19th Street

Project Location: Bay Area Air District

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Mitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 7/1/2011-12/30/2011 Active Days: 131	6.15	63.77	29.77	**0.06**	2.32	2.29	4.61	0.51	2.11	2.62	**9,437.25**
Fine Grading 07/01/2011-01/01/2012	6.15	63.77	29.77	0.06	2.32	2.29	4.61	0.51	2.11	2.62	9,437.25
Fine Grading Dust	0.00	0.00	0.00	0.00	2.08	0.00	2.08	0.43	0.00	0.43	0.00
Fine Grading Off Road Diesel	3.50	22.79	15.21	0.00	0.00	0.81	0.81	0.00	0.75	0.75	2,794.41
Fine Grading On Road Diesel	2.61	40.91	13.22	0.06	0.23	1.48	1.71	0.07	1.36	1.44	6,515.37
Fine Grading Worker Trips	0.04	0.07	1.34	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.47
Time Slice 1/2/2012-2/14/2012 Active Days: 32	1.79	8.65	8.59	0.00	0.01	0.51	0.52	0.00	0.47	0.47	1,165.51
Asphalt 01/01/2012-02/15/2012	1.79	8.65	8.59	0.00	0.01	0.51	0.52	0.00	0.47	0.47	1,165.51
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	8.51	6.84	0.00	0.00	0.50	0.50	0.00	0.46	0.46	979.23
Paving On Road Diesel	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72
Paving Worker Trips	0.05	0.09	1.73	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.56

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Time Slice 2/15/2012-2/15/2012 Active Days: 1	4.11	22.07	**44.28**	0.04	0.19	1.05	1.25	0.07	0.96	1.03	6,170.54
Asphalt 01/01/2012-02/15/2012	1.79	8.65	8.59	0.00	0.01	0.51	0.52	0.00	0.47	0.47	1,165.51
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	8.51	6.84	0.00	0.00	0.50	0.50	0.00	0.46	0.46	979.23
Paving On Road Diesel	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72
Paving Worker Trips	0.05	0.09	1.73	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.56
Building 02/15/2012-12/14/2013	2.31	13.42	35.69	0.04	0.18	0.55	0.73	0.07	0.49	0.56	5,005.02
Building Off Road Diesel	1.03	6.30	4.56	0.00	0.00	0.27	0.27	0.00	0.25	0.25	893.39
Building Vendor Trips	0.44	5.67	4.65	0.01	0.05	0.21	0.26	0.02	0.19	0.21	1,375.00
Building Worker Trips	0.84	1.45	26.48	0.03	0.13	0.07	0.20	0.05	0.06	0.10	2,736.64
Time Slice 2/16/2012-12/31/2012 Active Days: 228	2.31	13.42	35.69	0.04	0.18	0.55	0.73	0.07	0.49	0.56	5,005.02
Building 02/15/2012-12/14/2013	2.31	13.42	35.69	0.04	0.18	0.55	0.73	0.07	0.49	0.56	5,005.02
Building Off Road Diesel	1.03	6.30	4.56	0.00	0.00	0.27	0.27	0.00	0.25	0.25	893.39
Building Vendor Trips	0.44	5.67	4.65	0.01	0.05	0.21	0.26	0.02	0.19	0.21	1,375.00
Building Worker Trips	0.84	1.45	26.48	0.03	0.13	0.07	0.20	0.05	0.06	0.10	2,736.64
Time Slice 1/1/2013-12/13/2013 Active Days: 249	2.12	12.19	33.21	0.04	0.18	0.49	0.68	0.07	0.44	0.51	5,006.63
Building 02/15/2012-12/14/2013	2.12	12.19	33.21	0.04	0.18	0.49	0.68	0.07	0.44	0.51	5,006.63
Building Off Road Diesel	0.95	5.83	4.48	0.00	0.00	0.23	0.23	0.00	0.22	0.22	893.39
Building Vendor Trips	0.41	5.04	4.34	0.01	0.05	0.19	0.24	0.02	0.17	0.19	1,375.07
Building Worker Trips	0.76	1.32	24.40	0.03	0.13	0.07	0.20	0.05	0.06	0.10	2,738.18
Time Slice 12/16/2013-12/31/2013 Active Days: 12	5.50	0.05	0.88	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.17
Coating 12/16/2013-05/16/2014	5.50	0.05	0.88	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.17
Architectural Coating	5.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.03	0.05	0.88	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.17

Time Slice 1/1/2014-5/16/2014 Active Days: 98	44.71	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22
Coating 12/16/2013-05/16/2014	44.71	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22
Architectural Coating	44.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 7/1/2011 - 1/1/2012 - Default Paving Description

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Unpaved Roads Measures, the Reduce speed on unpaved roads to less than 15 mph mitigation reduces emissions by:

PM10: 44% PM25: 44%

For Graders, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Rubber Tired Dozers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Water Trucks, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Excavators, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

The following mitigation measures apply to Phase: Paving 1/1/2012 - 2/15/2012 - Default Demolition Description

For Cement and Mortar Mixers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Pavers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Rollers, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

The following mitigation measures apply to Phase: Building Construction 2/15/2012 - 12/14/2013 - Default Building Construction Description

For Cranes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:

NOX: 20% PM10: 45% PM25: 45%

For Forklifts, the Use Aqueous Diesel Fuel mitigation reduces emissions by:
NOX: 20% PM10: 45% PM25: 45%
For Tractors/Loaders/Backhoes, the Use Aqueous Diesel Fuel mitigation reduces emissions by:
NOX: 20% PM10: 45% PM25: 45%
The following mitigation measures apply to Phase: Architectural Coating 12/16/2013 - 5/16/2014 - Type Your Description Here
For Residential Architectural Coating Measures, the Residential Exterior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 40%
For Residential Architectural Coating Measures, the Residential Interior: Use Low VOC Coatings mitigation reduces emissions by:
ROG: 40%

Phase Assumptions

Phase: Fine Grading 7/1/2011 - 1/1/2012 - Default Paving Description
Total Acres Disturbed: 0.86
Maximum Daily Acreage Disturbed: 0.22
Fugitive Dust Level of Detail: Default
20 lbs per acre-day
On Road Truck Travel (VMT): 1618.32
Off-Road Equipment:
1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day
1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 1/1/2012 - 2/15/2012 - Default Demolition Description
Acres to be Paved: 0.22
Off-Road Equipment:
4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day
1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 2/15/2012 - 12/14/2013 - Default Building Construction Description
Off-Road Equipment:
1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

Phase: Architectural Coating 12/16/2013 - 5/16/2014 - Type Your Description Here

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name: P:\SDZ0601 19th Street Emerald Views\BACKGROUND\Air, Noise\Revised AQ\19th Street AQ 8-14-10.urb924

Project Name: 19th Street

Project Location: Bay Area Air District

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
Time Slice 7/1/2011-12/30/2011 Active Days: 131	6.15	**69.47**	29.77	**0.06**	**4.63**	**2.96**	**7.59**	**1.00**	**2.72**	**3.72**	**9,437.25**
Fine Grading 07/01/2011-01/01/2012	6.15	69.47	29.77	0.06	4.63	2.96	7.59	1.00	2.72	3.72	9,437.25
Fine Grading Dust	0.00	0.00	0.00	0.00	4.40	0.00	4.40	0.92	0.00	0.92	0.00
Fine Grading Off Road Diesel	3.50	28.48	15.21	0.00	0.00	1.48	1.48	0.00	1.36	1.36	2,794.41
Fine Grading On Road Diesel	2.61	40.91	13.22	0.06	0.23	1.48	1.71	0.07	1.36	1.44	6,515.37
Fine Grading Worker Trips	0.04	0.07	1.34	0.00	0.01	0.00	0.01	0.00	0.00	0.00	127.47
Time Slice 1/2/2012-2/14/2012 Active Days: 32	1.79	10.78	8.59	0.00	0.01	0.92	0.93	0.00	0.84	0.85	1,165.51
Asphalt 01/01/2012-02/15/2012	1.79	10.78	8.59	0.00	0.01	0.92	0.93	0.00	0.84	0.85	1,165.51
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	10.64	6.84	0.00	0.00	0.91	0.91	0.00	0.84	0.84	979.23
Paving On Road Diesel	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72
Paving Worker Trips	0.05	0.09	1.73	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.56

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Time Slice 2/15/2012-2/15/2012 Active Days: 1	4.11	25.77	**44.28**	0.04	0.19	1.68	1.88	0.07	1.54	1.61	6,170.54
Asphalt 01/01/2012-02/15/2012	1.79	10.78	8.59	0.00	0.01	0.92	0.93	0.00	0.84	0.85	1,165.51
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	10.64	6.84	0.00	0.00	0.91	0.91	0.00	0.84	0.84	979.23
Paving On Road Diesel	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.72
Paving Worker Trips	0.05	0.09	1.73	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.56
Building 02/15/2012-12/14/2013	2.31	15.00	35.69	0.04	0.18	0.77	0.95	0.07	0.70	0.76	5,005.02
Building Off Road Diesel	1.03	7.87	4.56	0.00	0.00	0.49	0.49	0.00	0.45	0.45	893.39
Building Vendor Trips	0.44	5.67	4.65	0.01	0.05	0.21	0.26	0.02	0.19	0.21	1,375.00
Building Worker Trips	0.84	1.45	26.48	0.03	0.13	0.07	0.20	0.05	0.06	0.10	2,736.64
Time Slice 2/16/2012-12/31/2012 Active Days: 228	2.31	15.00	35.69	0.04	0.18	0.77	0.95	0.07	0.70	0.76	5,005.02
Building 02/15/2012-12/14/2013	2.31	15.00	35.69	0.04	0.18	0.77	0.95	0.07	0.70	0.76	5,005.02
Building Off Road Diesel	1.03	7.87	4.56	0.00	0.00	0.49	0.49	0.00	0.45	0.45	893.39
Building Vendor Trips	0.44	5.67	4.65	0.01	0.05	0.21	0.26	0.02	0.19	0.21	1,375.00
Building Worker Trips	0.84	1.45	26.48	0.03	0.13	0.07	0.20	0.05	0.06	0.10	2,736.64
Time Slice 1/1/2013-12/13/2013 Active Days: 249	2.12	13.65	33.21	0.04	0.18	0.68	0.87	0.07	0.62	0.69	5,006.63
Building 02/15/2012-12/14/2013	2.12	13.65	33.21	0.04	0.18	0.68	0.87	0.07	0.62	0.69	5,006.63
Building Off Road Diesel	0.95	7.29	4.48	0.00	0.00	0.43	0.43	0.00	0.39	0.39	893.39
Building Vendor Trips	0.41	5.04	4.34	0.01	0.05	0.19	0.24	0.02	0.17	0.19	1,375.07
Building Worker Trips	0.76	1.32	24.40	0.03	0.13	0.07	0.20	0.05	0.06	0.10	2,738.18
Time Slice 12/16/2013-12/31/2013 Active Days: 12	**83.26**	0.05	0.88	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.17
Coating 12/16/2013-05/16/2014	83.26	0.05	0.88	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.17
Architectural Coating	83.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.03	0.05	0.88	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.17

Time Slice 1/1/2014-5/16/2014 Active Days: 98	83.26	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22
Coating 12/16/2013-05/16/2014	83.26	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22
Architectural Coating	83.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22

Phase Assumptions

Phase: Fine Grading 7/1/2011 - 1/1/2012 - Default Paving Description

Total Acres Disturbed: 0.86

Maximum Daily Acreage Disturbed: 0.22

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 1618.32

Off-Road Equipment:

1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 1/1/2012 - 2/15/2012 - Default Demolition Description

Acres to be Paved: 0.22

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 2/15/2012 - 12/14/2013 - Default Building Construction Description

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

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Phase: Architectural Coating 12/16/2013 - 5/16/2014 - Type Your Description Here

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Operational Unmitigated Emissions (Pounds/Day)

File Name: P:\SDZ0601 19th Street Emerald Views\BACKGROUND\Air, Noise\Revised AQ\19th Street AQ 8-14-10.urb924

Project Name: 19th Street

Project Location: Bay Area Air District

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Apartments high rise	12.26	11.72	125.96	0.15	25.86	4.93	14,666.33
High turnover (sit-down) rest.	0.51	0.64	6.57	0.01	1.41	0.27	791.32
TOTALS (lbs/day, unmitigated)	12.77	12.36	132.53	0.16	27.27	5.20	15,457.65

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2014 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Apartments high rise	0.73	4.76	dwelling units	370.00	1,761.20	15,057.73
High turnover (sit-down) rest.		39.01	1000 sq ft	2.82	110.01	820.39
					1,871.21	15,878.12

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	53.8	0.4	99.4	0.2
Light Truck < 3750 lbs	12.7	0.8	96.8	2.4
Light Truck 3751-5750 lbs	19.9	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.6	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.9	0.0	77.8	22.2
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	50.0	50.0
Med-Heavy Truck 14,001-33,000 lbs	1.0	0.0	20.0	80.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.4	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.1	0.0	0.0	100.0
Motorcycle	3.2	50.0	50.0	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.6	0.0	83.3	16.7

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
% of Trips - Commercial (by land use)						
High turnover (sit-down) rest.				5.0	2.5	92.5

Operational Changes to Defaults

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Urbemis 2007 Version 9.2.4

Summary Report for Summer Emissions (Pounds/Day)

File Name: P:\SDZ0601 19th Street Emerald Views\BACKGROUND\Air, Noise\Revised AQ\19th Street AQ 8-14-10.urb924

Project Name: 19th Street

Project Location: Bay Area Air District

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2011 TOTALS (lbs/day unmitigated)	6.15	69.47	29.77	0.06	4.63	2.96	7.59	1.00	2.72	3.72	9,437.25
2011 TOTALS (lbs/day mitigated)	6.15	63.77	29.77	0.06	2.32	2.29	4.61	0.51	2.11	2.62	9,437.25
2012 TOTALS (lbs/day unmitigated)	4.11	25.77	44.28	0.04	0.19	1.68	1.88	0.07	1.54	1.61	6,170.54
2012 TOTALS (lbs/day mitigated)	4.11	22.07	44.28	0.04	0.19	1.05	1.25	0.07	0.96	1.03	6,170.54
2013 TOTALS (lbs/day unmitigated)	83.26	13.65	33.21	0.04	0.18	0.68	0.87	0.07	0.62	0.69	5,006.63
2013 TOTALS (lbs/day mitigated)	5.50	12.19	33.21	0.04	0.18	0.49	0.68	0.07	0.44	0.51	5,006.63
2014 TOTALS (lbs/day unmitigated)	83.26	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22
2014 TOTALS (lbs/day mitigated)	44.71	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22

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AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	21.07	2.86	4.30	0.00	0.02	0.02	3,600.54

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	12.77	12.36	132.53	0.16	27.27	5.20	15,457.65

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	33.84	15.22	136.83	0.16	27.29	5.22	19,058.19

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Urbemis 2007 Version 9.2.4

Summary Report for Winter Emissions (Pounds/Day)

File Name: P:\SDZ0601 19th Street Emerald Views\BACKGROUND\Air, Noise\Revised AQ\19th Street AQ 8-14-10.urb924

Project Name: 19th Street

Project Location: Bay Area Air District

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2011 TOTALS (lbs/day unmitigated)	6.15	69.47	29.77	0.06	4.63	2.96	7.59	1.00	2.72	3.72	9,437.25
2011 TOTALS (lbs/day mitigated)	6.15	63.77	29.77	0.06	2.32	2.29	4.61	0.51	2.11	2.62	9,437.25
2012 TOTALS (lbs/day unmitigated)	4.11	25.77	44.28	0.04	0.19	1.68	1.88	0.07	1.54	1.61	6,170.54
2012 TOTALS (lbs/day mitigated)	4.11	22.07	44.28	0.04	0.19	1.05	1.25	0.07	0.96	1.03	6,170.54
2013 TOTALS (lbs/day unmitigated)	83.26	13.65	33.21	0.04	0.18	0.68	0.87	0.07	0.62	0.69	5,006.63
2013 TOTALS (lbs/day mitigated)	5.50	12.19	33.21	0.04	0.18	0.49	0.68	0.07	0.44	0.51	5,006.63
2014 TOTALS (lbs/day unmitigated)	83.26	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22
2014 TOTALS (lbs/day mitigated)	44.71	0.04	0.81	0.00	0.00	0.00	0.01	0.00	0.00	0.00	99.22

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AREA SOURCE EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	20.94	4.87	2.08	0.01	0.18	0.17	6,206.68

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	11.69	18.45	138.59	0.14	27.27	5.20	13,350.23

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
TOTALS (lbs/day, unmitigated)	32.63	23.32	140.67	0.15	27.45	5.37	19,556.91

JOB: 19th Street
RUN: Existing-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S	Z0= 100. CM	ALT= 13. (M)
BRG= WORST CASE	VD= .0 CM/S	
CLAS= 7 (G)	VS= .0 CM/S	
MIXH= 1000. M	AMB= .0 PPM	
SIGTH= 10. DEGREES	TEMP= 10.0 DEGREE (C)	

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Northgat NBA	*	4	-150	4	0	* AG	2	7.8	.0	10.0
B. Northgat NBD	*	4	0	4	150	* AG	601	8.8	.0	10.0
C. Northgat NBL	*	2	-150	0	0	* AG	0	4.5	.0	10.0
D. Northgat SBA	*	-5	150	-5	0	* AG	90	7.8	.0	10.0
E. Northgat SBD	*	-5	0	-5	-150	* AG	2	5.2	.0	10.0
F. Northgat SBL	*	-5	150	0	0	* AG	158	8.4	.0	10.0
G. West Gra EBA	*	-150	-7	0	-7	* AG	486	6.4	.0	10.0
H. West Gra EBD	*	0	-7	150	-7	* AG	644	4.8	.0	10.0
I. West Gra EBL	*	-150	-5	0	0	* AG	234	9.1	.0	10.0
J. West Gra WBA	*	150	5	0	5	* AG	894	6.7	.0	13.5
K. West Gra WBD	*	0	5	-150	5	* AG	617	4.8	.0	10.0
L. West Gra WBL	*	150	2	0	0	* AG	0	4.5	.0	10.0
M. Northga NBAX	*	4	-750	4	-150	* AG	2	4.5	.0	10.0
N. Northga NBDX	*	4	150	4	750	* AG	601	4.5	.0	10.0
O. Northga SBAX	*	-5	750	-5	150	* AG	248	4.5	.0	10.0
P. Northga SBDX	*	-5	-150	-5	-750	* AG	2	4.5	.0	10.0
Q. West Gr EBAX	*	-750	-7	-150	-7	* AG	720	4.5	.0	10.0
R. West Gr EBDX	*	150	-7	750	-7	* AG	644	4.5	.0	10.0
S. West Gr WBAX	*	750	5	150	5	* AG	894	4.5	.0	13.5
T. West Gr WBDX	*	-150	5	-750	5	* AG	617	4.5	.0	10.0

JOB: 19th Street
RUN: Existing-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-14	1.8
2. NW	*	-12	12	1.8
3. SW	*	-12	-14	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-12	150	1.8
11. SW mdblk	*	-12	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: Existing-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	353.	1.4	.0	.6	.0	.0	.0	.1	.0	.2
2. NW	96.	1.5	.0	.2	.0	.0	.0	.0	.0	.1
3. SW	8.	1.1	.0	.3	.0	.1	.0	.1	.2	.0
4. NE	260.	1.3	.0	.3	.0	.0	.0	.0	.2	.0
5. ES mdblk	278.	1.0	.0	.0	.0	.0	.0	.0	.0	.4
6. WN mdblk	96.	1.0	.0	.0	.0	.0	.0	.0	.1	.0
7. WS mdblk	82.	1.2	.0	.0	.0	.0	.0	.0	.5	.0
8. EN mdblk	263.	1.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	358.	.5	.0	.1	.0	.0	.0	.0	.0	.0
10. NW mdblk	167.	.8	.0	.4	.0	.1	.0	.2	.0	.0
11. SW mdblk	3.	.4	.0	.1	.0	.0	.0	.0	.0	.0
12. NE mdblk	190.	1.1	.0	.8	.0	.0	.0	.1	.0	.0
13. ES blk	277.	.9	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.8	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.9	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.9	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	359.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.6	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	1.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.7	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.7	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0
3. SW	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.1	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.5
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.6	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S	Z0= 100. CM	ALT= 13. (M)
BRG= WORST CASE	VD= .0 CM/S	
CLAS= 7 (G)	VS= .0 CM/S	
MIXH= 1000. M	AMB= .0 PPM	
SIGTH= 10. DEGREES	TEMP= 10.0 DEGREE (C)	

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	7	-150	7	0	* AG	901	6.4	.0	17.0
B. Oak Stre NBD	*	7	0	7	150	* AG	958	4.8	.0	17.0
C. Oak Stre NBL	*	2	-150	0	0	* AG	0	4.5	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	4.5	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	4.5	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. 11th Str EBA	*	-150	-4	0	-4	* AG	0	4.5	.0	10.0
H. 11th Str EBD	*	0	-4	150	-4	* AG	0	4.5	.0	10.0
I. 11th Str EBL	*	-150	-5	0	0	* AG	57	8.4	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	4.5	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	4.5	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	4.5	.0	10.0
M. Oak Str NBAX	*	7	-750	7	-150	* AG	901	4.5	.0	17.0
N. Oak Str NBDX	*	7	150	7	750	* AG	958	4.5	.0	17.0
O. Oak Str SBAX	*	0	750	0	150	* AG	0	4.5	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	4.5	.0	10.0
Q. 11th St EBAX	*	-750	-4	-150	-4	* AG	57	4.5	.0	10.0
R. 11th St EBDX	*	150	-4	750	-4	* AG	0	4.5	.0	10.0
S. 11th St WBAX	*	750	0	150	0	* AG	0	4.5	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	4.5	.0	10.0

JOB: 19th Street
RUN: Existing-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-10	1.8
2. NW	*	-7	7	1.8
3. SW	*	-7	-10	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-10	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-10	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-10	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-10	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	17	600	1.8

JOB: 19th Street
RUN: Existing-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	187.	.8	.6	.0	.0	.0	.0	.0	.0	.0
2. NW	172.	.6	.4	.0	.0	.0	.0	.0	.0	.0
3. SW	171.	.5	.4	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.7	.6	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	271.	.1	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	100.	.1	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	267.	.1	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.8	.6	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.5	.1	.3	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.6	.4	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.7	.1	.5	.0	.0	.0	.0	.0	.0
13. ES blk	268.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.1	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	87.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.6	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.7	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S	Z0= 100. CM	ALT= 13. (M)
BRG= WORST CASE	VD= .0 CM/S	
CLAS= 7 (G)	VS= .0 CM/S	
MIXH= 1000. M	AMB= .0 PPM	
SIGTH= 10. DEGREES	TEMP= 10.0 DEGREE (C)	

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	822	6.8	.0	18.8
B. Oak Stre NBD	*	9	0	9	150	* AG	872	4.9	.0	18.8
C. Oak Stre NBL	*	2	-150	0	0	* AG	149	8.4	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	4.5	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	4.5	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	4.5	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	4.5	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	898	6.8	.0	20.5
K. 12th Str WBD	*	0	9	-150	9	* AG	997	4.9	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	0	4.5	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	971	4.5	.0	18.8
N. Oak Str NBDX	*	9	150	9	750	* AG	872	4.5	.0	18.8
O. Oak Str SBAX	*	0	750	0	150	* AG	0	4.5	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	4.5	.0	10.0
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	4.5	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	4.5	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	898	4.5	.0	20.5
T. 12th St WBDX	*	-150	9	-750	9	* AG	997	4.5	.0	18.8

JOB: 19th Street
RUN: Existing-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-7	1.8
2. NW	*	-7	20	1.8
3. SW	*	-7	-7	1.8
4. NE	*	20	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	20	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	20	600	1.8

JOB: 19th Street
RUN: Existing-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.8	.3	.0	.0	.0	.0	.0	.0	.0
2. NW	172.	1.0	.4	.0	.2	.0	.0	.0	.0	.0
3. SW	80.	.9	.2	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	1.1	.5	.1	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.8	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.6	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.9	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.9	.6	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.6	.1	.2	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.8	.4	.0	.2	.0	.0	.0	.0	.0
12. NE mdblk	186.	.8	.1	.4	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.7	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.6	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.7	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.6	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1
2. NW	.0	.0	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0
17. SE blk	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	563	6.3	.0	22.3
B. Oak Stre NBD	*	9	0	9	150	* AG	799	4.7	.0	20.5
C. Oak Stre NBL	*	2	-150	0	0	* AG	171	8.4	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	4.5	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	4.5	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	767	8.1	.0	11.8
H. 14th Str EBD	*	0	-5	150	-5	* AG	802	5.3	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	53	8.4	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	573	8.1	.0	13.5
K. 14th Str WBD	*	0	5	-150	5	* AG	526	5.3	.0	10.0
L. 14th Str WBL	*	150	2	0	0	* AG	0	4.5	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	734	4.5	.0	22.3
N. Oak Str NBDX	*	9	150	9	750	* AG	799	4.5	.0	20.5
O. Oak Str SBAX	*	0	750	0	150	* AG	0	4.5	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	4.5	.0	10.0
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	820	4.5	.0	11.8
R. 14th St EBDX	*	150	-5	750	-5	* AG	802	4.5	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	573	4.5	.0	13.5
T. 14th St WBDX	*	-150	5	-750	5	* AG	526	4.5	.0	10.0

JOB: 19th Street
RUN: Existing-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	21	-13	1.8
2. NW	*	-7	12	1.8
3. SW	*	-7	-13	1.8
4. NE	*	21	14	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-13	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	21	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	21	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-13	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	21	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	21	600	1.8

JOB: 19th Street
RUN: Existing-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	1.4	.2	.0	.0	.0	.0	.0	.6	.2
2. NW	97.	1.3	.0	.2	.0	.0	.0	.0	.0	.2
3. SW	82.	1.2	.2	.0	.0	.0	.0	.0	.0	.5
4. NE	260.	1.2	.0	.2	.0	.0	.0	.0	.3	.0
5. ES mdblk	277.	1.1	.0	.0	.0	.0	.0	.0	.1	.6
6. WN mdblk	98.	1.1	.0	.0	.0	.0	.0	.0	.3	.0
7. WS mdblk	83.	1.4	.0	.0	.0	.0	.0	.0	.8	.0
8. EN mdblk	263.	1.2	.0	.0	.0	.0	.0	.0	.2	.2
9. SE mdblk	352.	.7	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.6	.0	.2	.0	.0	.0	.0	.0	.0
11. SW mdblk	7.	.7	.2	.0	.2	.0	.0	.0	.0	.0
12. NE mdblk	186.	.7	.0	.4	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.9	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.8	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.9	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.8	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.6	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.6	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.7	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
3. SW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	4.5	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	4.5	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	4.5	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	1228	8.6	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	1466	5.8	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	362	9.2	.0	10.0
G. 7th Stre EBA	*	-150	-9	0	-9	* AG	1050	6.4	.0	20.5
H. 7th Stre EBD	*	0	-9	150	-9	* AG	1174	4.8	.0	18.8
I. 7th Stre EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. 7th Stre WBA	*	150	0	0	0	* AG	0	4.5	.0	10.0
K. 7th Stre WBD	*	0	0	-150	0	* AG	0	4.5	.0	10.0
L. 7th Stre WBL	*	150	2	0	0	* AG	0	4.5	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	4.5	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	4.5	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	1590	4.5	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1466	4.5	.0	15.3
Q. 7th Str EBAX	*	-750	-9	-150	-9	* AG	1050	4.5	.0	20.5
R. 7th Str EBDX	*	150	-9	750	-9	* AG	1174	4.5	.0	18.8
S. 7th Str WBAX	*	750	0	150	0	* AG	0	4.5	.0	10.0
T. 7th Str WBDX	*	-150	0	-750	0	* AG	0	4.5	.0	10.0

JOB: 19th Street
RUN: Existing-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: Existing-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	1.6	.0	.0	.0	.8	.0	.4	.0	.3
2. NW	9.	1.6	.0	.0	.0	1.3	.0	.2	.0	.0
3. SW	8.	1.9	.0	.0	.0	.9	.3	.2	.4	.0
4. NE	350.	1.4	.0	.0	.0	.8	.0	.5	.0	.0
5. ES mdblk	277.	.9	.0	.0	.0	.0	.0	.0	.1	.6
6. WN mdblk	97.	.8	.0	.0	.0	.0	.0	.0	.4	.1
7. WS mdblk	82.	1.0	.0	.0	.0	.0	.0	.0	.7	.0
8. EN mdblk	263.	.7	.0	.0	.0	.0	.0	.0	.2	.3
9. SE mdblk	354.	1.0	.0	.0	.0	.2	.5	.0	.0	.0
10. NW mdblk	172.	1.7	.0	.0	.0	1.2	.1	.2	.0	.0
11. SW mdblk	6.	1.4	.0	.0	.0	.2	.9	.0	.0	.0
12. NE mdblk	189.	1.4	.0	.0	.0	.8	.1	.4	.0	.0
13. ES blk	276.	.9	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.8	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.6	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.8	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	1.1	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	1.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.8	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	4.5	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	4.5	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	4.5	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	729	7.8	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	891	5.3	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	43	8.4	.0	10.0
G. 11th Str EBA	*	-150	-9	0	-9	* AG	922	6.3	.0	20.5
H. 11th Str EBD	*	0	-9	150	-9	* AG	803	4.7	.0	18.8
I. 11th Str EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	4.5	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	4.5	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	4.5	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	4.5	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	4.5	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	772	4.5	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	891	4.5	.0	15.3
Q. 11th St EBAX	*	-750	-9	-150	-9	* AG	922	4.5	.0	20.5
R. 11th St EBDX	*	150	-9	750	-9	* AG	803	4.5	.0	18.8
S. 11th St WBAX	*	750	0	150	0	* AG	0	4.5	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	4.5	.0	10.0

JOB: 19th Street
RUN: Existing-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: Existing-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	1.0	.0	.0	.0	.0	.2	.0	.6	.0
2. NW	174.	.9	.0	.0	.0	.0	.5	.0	.3	.0
3. SW	8.	1.1	.0	.0	.0	.5	.2	.0	.3	.0
4. NE	261.	.8	.0	.0	.0	.3	.0	.0	.4	.0
5. ES mdblk	276.	.7	.0	.0	.0	.0	.0	.0	.1	.4
6. WN mdblk	99.	.6	.0	.0	.0	.0	.0	.0	.4	.0
7. WS mdblk	82.	.8	.0	.0	.0	.0	.0	.0	.6	.0
8. EN mdblk	264.	.5	.0	.0	.0	.0	.0	.0	.1	.2
9. SE mdblk	353.	.6	.0	.0	.0	.1	.3	.0	.0	.0
10. NW mdblk	173.	.9	.0	.0	.0	.7	.0	.0	.0	.0
11. SW mdblk	6.	.8	.0	.0	.0	.1	.5	.0	.0	.0
12. NE mdblk	188.	.7	.0	.0	.0	.4	.0	.0	.0	.0
13. ES blk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.6	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.7	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	4.5	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	4.5	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	4.5	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	620	7.8	.0	17.0
E. Madison SBD	*	-7	0	-7	-150	* AG	790	5.2	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	4.5	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	4.5	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	786	6.3	.0	18.8
K. 12th Str WBD	*	0	9	-150	9	* AG	824	4.7	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	208	9.1	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	4.5	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	4.5	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	620	4.5	.0	17.0
P. Madison SBDX	*	-7	-150	-7	-750	* AG	790	4.5	.0	15.3
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	4.5	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	4.5	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	994	4.5	.0	18.8
T. 12th St WBDX	*	-150	9	-750	9	* AG	824	4.5	.0	18.8

JOB: 19th Street
RUN: Existing-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-7	1.8
2. NW	*	-17	20	1.8
3. SW	*	-16	-7	1.8
4. NE	*	7	20	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	20	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	20	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: Existing-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	351.	.8	.0	.0	.0	.4	.0	.0	.0	.0
2. NW	98.	1.0	.0	.0	.0	.3	.0	.0	.0	.0
3. SW	83.	1.0	.0	.0	.0	.0	.2	.0	.0	.0
4. NE	188.	.8	.0	.0	.0	.0	.3	.0	.0	.0
5. ES mdblk	279.	.8	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.7	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	262.	.8	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	.5	.0	.0	.0	.1	.3	.0	.0	.0
10. NW mdblk	173.	.8	.0	.0	.0	.6	.0	.0	.0	.0
11. SW mdblk	6.	.7	.0	.0	.0	.1	.5	.0	.0	.0
12. NE mdblk	187.	.6	.0	.0	.0	.4	.0	.0	.0	.0
13. ES blk	277.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.7	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.4	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.6	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0
3. SW	.0	.3	.0	.3	.0	.0	.0	.0	.0	.0	.2	.0
4. NE	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	4.5	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	4.5	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	4.5	.0	10.0
D. Madison SBA	*	-9	150	-9	0	* AG	517	7.8	.0	15.3
E. Madison SBD	*	-9	0	-9	-150	* AG	584	5.2	.0	13.5
F. Madison SBL	*	-5	150	0	0	* AG	287	8.4	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	599	6.3	.0	13.5
H. 14th Str EBD	*	0	-5	150	-5	* AG	825	4.8	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	468	6.3	.0	11.8
K. 14th Str WBD	*	0	5	-150	5	* AG	484	4.7	.0	11.8
L. 14th Str WBL	*	150	2	0	0	* AG	22	8.4	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	4.5	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	4.5	.0	10.0
O. Madison SBAX	*	-9	750	-9	150	* AG	804	4.5	.0	15.3
P. Madison SBDX	*	-9	-150	-9	-750	* AG	584	4.5	.0	13.5
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	599	4.5	.0	13.5
R. 14th St EBDX	*	150	-5	750	-5	* AG	825	4.5	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	490	4.5	.0	11.8
T. 14th St WBDX	*	-150	5	-750	5	* AG	484	4.5	.0	11.8

JOB: 19th Street
RUN: Existing-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-18	13	1.8
3. SW	*	-17	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: Existing-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	351.	1.1	.0	.0	.0	.3	.0	.3	.0	.2
2. NW	97.	1.1	.0	.0	.0	.2	.0	.1	.0	.2
3. SW	7.	1.1	.0	.0	.0	.5	.0	.2	.2	.0
4. NE	263.	1.0	.0	.0	.0	.2	.0	.2	.2	.0
5. ES mdblk	278.	1.0	.0	.0	.0	.0	.0	.0	.0	.5
6. WN mdblk	96.	.8	.0	.0	.0	.0	.0	.0	.1	.0
7. WS mdblk	83.	.9	.0	.0	.0	.0	.0	.0	.5	.0
8. EN mdblk	263.	.9	.0	.0	.0	.0	.0	.0	.0	.2
9. SE mdblk	354.	.5	.0	.0	.0	.1	.2	.0	.0	.0
10. NW mdblk	171.	.9	.0	.0	.0	.5	.0	.2	.0	.0
11. SW mdblk	5.	.7	.0	.0	.0	.1	.4	.0	.0	.0
12. NE mdblk	189.	.7	.0	.0	.0	.3	.0	.2	.0	.0
13. ES blk	276.	.9	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.7	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.7	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.8	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.4	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.3	.0	.0	.0	.0	.0	.1	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	4	-150	4	0	* AG	175	6.8	.0	10.0
B. Jackson NBD	*	4	0	4	150	* AG	180	4.9	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	24	8.4	.0	10.0
D. Jackson SBA	*	-4	150	-4	0	* AG	105	6.8	.0	10.0
E. Jackson SBD	*	-4	0	-4	-150	* AG	86	4.9	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	4.5	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	4.5	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	90	6.8	.0	15.3
K. 19th Str WBD	*	0	5	-150	5	* AG	136	4.9	.0	13.5
L. 19th Str WBL	*	150	2	0	0	* AG	8	8.4	.0	10.0
M. Jackson NBAX	*	4	-750	4	-150	* AG	199	4.5	.0	10.0
N. Jackson NBDX	*	4	150	4	750	* AG	180	4.5	.0	10.0
O. Jackson SBAX	*	-4	750	-4	150	* AG	105	4.5	.0	10.0
P. Jackson SBDX	*	-4	-150	-4	-750	* AG	86	4.5	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	4.5	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	4.5	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	98	4.5	.0	15.3
T. 19th St WBDX	*	-150	5	-750	5	* AG	136	4.5	.0	13.5

JOB: 19th Street
RUN: Existing-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-10	14	1.8
3. SW	*	-10	-7	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-10	150	1.8
11. SW mdblk	*	-10	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: Existing-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	187.	.3	.2	.0	.0	.0	.0	.0	.0	.0
2. NW	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	6.	.3	.0	.0	.0	.1	.0	.0	.0	.0
4. NE	186.	.4	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	95.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.3	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.3	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	275.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	95.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.1	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	175.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	185.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	0	-150	0	0	* AG	1	7.8	.0	10.0
B. Jackson NBD	*	0	0	0	150	* AG	0	4.5	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	162	8.4	.0	10.0
D. Jackson SBA	*	0	150	0	0	* AG	0	4.5	.0	10.0
E. Jackson SBD	*	0	0	0	-150	* AG	123	5.2	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. Lakeside EBA	*	-150	-5	0	-5	* AG	648	6.4	.0	13.5
H. Lakeside EBD	*	0	-5	150	-5	* AG	528	4.7	.0	11.8
I. Lakeside EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. Lakeside WBA	*	150	5	0	5	* AG	666	6.4	.0	11.8
K. Lakeside WBD	*	0	5	-150	5	* AG	828	4.8	.0	11.8
L. Lakeside WBL	*	150	2	0	0	* AG	2	8.4	.0	10.0
M. Jackson NBAX	*	0	-750	0	-150	* AG	163	4.5	.0	10.0
N. Jackson NBDX	*	0	150	0	750	* AG	0	4.5	.0	10.0
O. Jackson SBAX	*	0	750	0	150	* AG	0	4.5	.0	10.0
P. Jackson SBDX	*	0	-150	0	-750	* AG	123	4.5	.0	10.0
Q. Lakesid EBAX	*	-750	-5	-150	-5	* AG	648	4.5	.0	13.5
R. Lakesid EBDX	*	150	-5	750	-5	* AG	528	4.5	.0	11.8
S. Lakesid WBAX	*	750	5	150	5	* AG	668	4.5	.0	11.8
T. Lakesid WBDX	*	-150	5	-750	5	* AG	828	4.5	.0	11.8

JOB: 19th Street
RUN: Existing-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: Existing-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	1.1	.0	.0	.0	.0	.0	.0	.6	.0
2. NW	263.	.9	.0	.0	.0	.0	.0	.0	.2	.0
3. SW	278.	.9	.0	.0	.0	.0	.0	.0	.5	.0
4. NE	263.	.9	.0	.0	.0	.0	.0	.0	.2	.0
5. ES mdblk	276.	.8	.0	.0	.0	.0	.0	.0	.0	.3
6. WN mdblk	98.	1.0	.0	.0	.0	.0	.0	.0	.2	.0
7. WS mdblk	83.	.9	.0	.0	.0	.0	.0	.0	.5	.0
8. EN mdblk	263.	1.0	.0	.0	.0	.0	.0	.0	.1	.1
9. SE mdblk	352.	.5	.0	.0	.3	.0	.1	.0	.0	.0
10. NW mdblk	179.	.2	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.4	.0	.0	.2	.0	.1	.0	.0	.0
12. NE mdblk	182.	.2	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.7	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.9	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.8	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.8	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	180.	.1	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	181.	.1	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
2. NW	.0	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.1
3. SW	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1
4. NE	.0	.0	.5	.0	.0	.0	.0	.0	.1	.0	.0	.1
5. ES mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.6
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.3
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S	Z0= 100. CM	ALT= 13. (M)
BRG= WORST CASE	VD= .0 CM/S	
CLAS= 7 (G)	VS= .0 CM/S	
MIXH= 1000. M	AMB= .0 PPM	
SIGTH= 10. DEGREES	TEMP= 10.0 DEGREE (C)	

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Alice St NBA	*	4	-150	4	0	* AG	0	4.5	.0	10.0
B. Alice St NBD	*	4	0	4	150	* AG	0	4.5	.0	10.0
C. Alice St NBL	*	5	-150	0	0	* AG	139	8.4	.0	10.0
D. Alice St SBA	*	0	150	0	0	* AG	0	4.5	.0	10.0
E. Alice St SBD	*	0	0	0	-150	* AG	22	5.2	.0	10.0
F. Alice St SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	4.5	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	4.5	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	154	6.3	.0	11.8
K. 19th Str WBD	*	0	5	-150	5	* AG	293	4.7	.0	11.8
L. 19th Str WBL	*	150	2	0	0	* AG	22	8.4	.0	10.0
M. Alice S NBAX	*	4	-750	4	-150	* AG	139	4.5	.0	10.0
N. Alice S NBDX	*	4	150	4	750	* AG	0	4.5	.0	10.0
O. Alice S SBAX	*	0	750	0	150	* AG	0	4.5	.0	10.0
P. Alice S SBDX	*	0	-150	0	-750	* AG	22	4.5	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	4.5	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	4.5	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	176	4.5	.0	11.8
T. 19th St WBDX	*	-150	5	-750	5	* AG	293	4.5	.0	11.8

JOB: 19th Street
RUN: Existing-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-7	1.8
4. NE	*	10	13	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: Existing-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	174.	.3	.0	.0	.2	.0	.0	.0	.0	.0
3. SW	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	186.	.3	.0	.0	.1	.0	.0	.0	.0	.0
5. ES mdblk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.0	.0	.3	.0	.0	.0	.0	.0
10. NW mdblk	178.	.1	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.2	.0	.0	.1	.0	.0	.0	.0	.0
12. NE mdblk	182.	.1	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	275.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	179.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	181.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	441	6.8	.0	11.8
B. Harrison NBD	*	5	0	5	150	* AG	505	4.9	.0	11.8
C. Harrison NBL	*	2	-150	0	0	* AG	116	8.4	.0	10.0
D. Harrison SBA	*	-5	150	-5	0	* AG	82	6.8	.0	13.5
E. Harrison SBD	*	-5	0	-5	-150	* AG	98	4.9	.0	11.8
F. Harrison SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	4.5	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	4.5	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	4.5	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	595	6.8	.0	22.3
K. 12th Str WBD	*	0	9	-150	9	* AG	669	4.9	.0	20.5
L. 12th Str WBL	*	150	2	0	0	* AG	38	8.4	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	557	4.5	.0	11.8
N. Harriso NBDX	*	5	150	5	750	* AG	505	4.5	.0	11.8
O. Harriso SBAX	*	-5	750	-5	150	* AG	82	4.5	.0	13.5
P. Harriso SBDX	*	-5	-150	-5	-750	* AG	98	4.5	.0	11.8
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	4.5	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	4.5	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	633	4.5	.0	22.3
T. 12th St WBDX	*	-150	9	-750	9	* AG	669	4.5	.0	20.5

JOB: 19th Street
RUN: Existing-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	13	-7	1.8
2. NW	*	-14	21	1.8
3. SW	*	-13	-7	1.8
4. NE	*	13	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	21	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	13	-150	1.8
10. NW mdblk	*	-14	150	1.8
11. SW mdblk	*	-13	-150	1.8
12. NE mdblk	*	13	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	21	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	13	-600	1.8
18. NW blk	*	-14	600	1.8
19. SW blk	*	-13	-600	1.8
20. NE blk	*	13	600	1.8

JOB: 19th Street
RUN: Existing-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	354.	.7	.0	.3	.0	.0	.0	.0	.0	.0
2. NW	97.	.7	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.7	.1	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.9	.3	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.5	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.4	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.6	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.7	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.5	.0	.1	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.5	.2	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	185.	.6	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.4	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.4	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.6	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
4. NE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	649	6.3	.0	15.3
B. Harrison NBD	*	5	0	5	150	* AG	899	4.8	.0	13.5
C. Harrison NBL	*	2	-150	0	0	* AG	96	8.4	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	270	6.3	.0	18.8
E. Harrison SBD	*	-9	0	-9	-150	* AG	180	4.7	.0	15.3
F. Harrison SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. 20th Str EBA	*	-150	-12	0	-12	* AG	124	7.8	.0	15.3
H. 20th Str EBD	*	0	-12	150	-12	* AG	109	5.2	.0	13.5
I. 20th Str EBL	*	-150	-9	0	0	* AG	256	8.4	.0	10.0
J. 20th Str WBA	*	150	9	0	9	* AG	125	7.8	.0	13.5
K. 20th Str WBD	*	0	9	-150	9	* AG	339	5.2	.0	11.8
L. 20th Str WBL	*	150	5	0	0	* AG	7	8.4	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	745	4.5	.0	15.3
N. Harriso NBDX	*	5	150	5	750	* AG	899	4.5	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	270	4.5	.0	18.8
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	180	4.5	.0	15.3
Q. 20th St EBAX	*	-750	-12	-150	-12	* AG	380	4.5	.0	15.3
R. 20th St EBDX	*	150	-12	750	-12	* AG	109	4.5	.0	13.5
S. 20th St WBAX	*	750	9	150	9	* AG	132	4.5	.0	13.5
T. 20th St WBDX	*	-150	9	-750	9	* AG	339	4.5	.0	11.8

JOB: 19th Street
RUN: Existing-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-21	1.8
2. NW	*	-20	16	1.8
3. SW	*	-18	-21	1.8
4. NE	*	14	17	1.8
5. ES mdblk	*	150	-21	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-20	150	1.8
11. SW mdblk	*	-18	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-21	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-20	600	1.8
19. SW blk	*	-18	-600	1.8
20. NE blk	*	14	600	1.8

JOB: 19th Street
RUN: Existing-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.8	.1	.4	.0	.0	.0	.0	.0	.0
2. NW	170.	.7	.2	.0	.0	.0	.0	.0	.0	.0
3. SW	7.	.7	.0	.1	.0	.2	.0	.0	.0	.0
4. NE	187.	.9	.4	.1	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.4	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	100.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	77.	.5	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.9	.5	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.6	.1	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	7.	.6	.1	.1	.0	.0	.1	.0	.0	.0
12. NE mdblk	187.	.9	.0	.5	.0	.0	.0	.0	.0	.0
13. ES blk	275.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.7	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.8	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	703	6.4	.0	13.5
B. Harrison NBD	*	5	0	5	150	* AG	1596	4.9	.0	13.5
C. Harrison NBL	*	2	-150	0	0	* AG	0	4.5	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	896	6.7	.0	20.5
E. Harrison SBD	*	-9	0	-9	-150	* AG	624	4.8	.0	10.0
F. Harrison SBL	*	-2	150	0	0	* AG	0	4.5	.0	10.0
G. Lakeside EBA	*	-150	-11	0	-11	* AG	0	4.5	.0	10.0
H. Lakeside EBD	*	0	-11	150	-11	* AG	0	4.5	.0	10.0
I. Lakeside EBL	*	-150	-12	0	0	* AG	893	9.1	.0	10.0
J. Lakeside WBA	*	150	0	0	0	* AG	0	4.5	.0	10.0
K. Lakeside WBD	*	0	0	-150	0	* AG	272	5.2	.0	10.0
L. Lakeside WBL	*	150	2	0	0	* AG	0	4.5	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	703	4.5	.0	13.5
N. Harriso NBDX	*	5	150	5	750	* AG	1596	4.5	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	896	4.5	.0	20.5
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	624	4.5	.0	10.0
Q. Lakesid EBAX	*	-750	-11	-150	-11	* AG	893	4.5	.0	10.0
R. Lakesid EBDX	*	150	-11	750	-11	* AG	0	4.5	.0	10.0
S. Lakesid WBAX	*	750	0	150	0	* AG	0	4.5	.0	10.0
T. Lakesid WBDX	*	-150	0	-750	0	* AG	272	4.5	.0	10.0

JOB: 19th Street
RUN: Existing-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-17	1.8
2. NW	*	-21	7	1.8
3. SW	*	-15	-17	1.8
4. NE	*	14	7	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-21	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-21	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	14	600	1.8

JOB: 19th Street
RUN: Existing-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	353.	1.4	.1	.7	.0	.2	.0	.0	.0	.0
2. NW	171.	1.1	.1	.0	.0	.0	.2	.0	.0	.0
3. SW	6.	1.7	.0	.2	.0	.6	.0	.0	.0	.0
4. NE	262.	2.0	.0	.5	.0	.2	.0	.0	.0	.0
5. ES mdblk	273.	.5	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	101.	.8	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	78.	1.8	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	268.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	1.2	.5	.1	.0	.2	.0	.0	.0	.0
10. NW mdblk	172.	1.1	.1	.2	.0	.6	.0	.0	.0	.0
11. SW mdblk	5.	1.1	.1	.2	.0	.1	.4	.0	.0	.0
12. NE mdblk	190.	1.5	.0	1.0	.0	.3	.0	.0	.0	.0
13. ES blk	273.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.9	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	271.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.9	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	1.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.8	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	1.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
2. NW	.5	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	.3	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0
4. NE	.9	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0
5. ES mdblk	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.5	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	1.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.5	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.4	.5	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.5	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	1.0	.3	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	1793	6.7	.0	18.8
B. Harrison NBD	*	9	0	9	150	* AG	1236	4.8	.0	15.3
C. Harrison NBL	*	2	-150	0	0	* AG	9	8.4	.0	10.0
D. Harrison SBA	*	-7	150	-7	0	* AG	554	6.3	.0	18.8
E. Harrison SBD	*	-7	0	-7	-150	* AG	893	4.7	.0	17.0
F. Harrison SBL	*	-2	150	0	0	* AG	2	8.4	.0	10.0
G. Grand Av EBA	*	-150	-12	0	-12	* AG	648	8.6	.0	13.5
H. Grand Av EBD	*	0	-12	150	-12	* AG	1247	8.8	.0	10.0
I. Grand Av EBL	*	-150	-9	0	0	* AG	114	8.4	.0	10.0
J. Grand Av WBA	*	150	12	0	12	* AG	760	8.6	.0	13.5
K. Grand Av WBD	*	0	12	-150	12	* AG	783	5.8	.0	10.0
L. Grand Av WBL	*	150	9	0	0	* AG	279	8.4	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	1802	4.5	.0	18.8
N. Harriso NBDX	*	9	150	9	750	* AG	1236	4.5	.0	15.3
O. Harriso SBAX	*	-7	750	-7	150	* AG	556	4.5	.0	18.8
P. Harriso SBDX	*	-7	-150	-7	-750	* AG	893	4.5	.0	17.0
Q. Grand A EBAX	*	-750	-12	-150	-12	* AG	762	4.5	.0	13.5
R. Grand A EBDX	*	150	-12	750	-12	* AG	1247	4.5	.0	10.0
S. Grand A WBAX	*	750	12	150	12	* AG	1039	4.5	.0	13.5
T. Grand A WBDX	*	-150	12	-750	12	* AG	783	4.5	.0	10.0

JOB: 19th Street
RUN: Existing-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-19	1.8
2. NW	*	-18	19	1.8
3. SW	*	-17	-21	1.8
4. NE	*	18	21	1.8
5. ES mdblk	*	150	-19	1.8
6. WN mdblk	*	-150	19	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	18	150	1.8
13. ES blk	*	600	-19	1.8
14. WN blk	*	-600	19	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	18	600	1.8

JOB: 19th Street
RUN: Existing-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	282.	2.2	.7	.0	.0	.0	.1	.0	.5	.6
2. NW	99.	1.8	.0	.2	.0	.2	.0	.0	.0	.2
3. SW	80.	2.3	.4	.0	.0	.0	.2	.0	.2	1.0
4. NE	187.	2.5	1.0	.2	.0	.0	.1	.0	.0	.3
5. ES mdblk	279.	2.2	.0	.0	.0	.0	.0	.0	.0	1.5
6. WN mdblk	98.	1.5	.0	.0	.0	.0	.0	.0	.0	.3
7. WS mdblk	83.	1.6	.0	.0	.0	.0	.0	.0	.7	.2
8. EN mdblk	258.	1.7	.1	.0	.0	.0	.0	.0	.1	.2
9. SE mdblk	352.	1.9	1.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	1.3	.3	.1	.0	.4	.0	.0	.0	.0
11. SW mdblk	11.	1.4	.4	.1	.0	.0	.5	.0	.0	.1
12. NE mdblk	186.	1.5	.2	.7	.0	.0	.1	.0	.0	.0
13. ES blk	277.	1.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	1.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.9	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	1.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	1.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	1.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	1.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	1.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.7	.2	.2	.0	.0	.0	.0	.0	.2	.0	.0
3. SW	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	.0
4. NE	.0	.4	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0
5. ES mdblk	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0
7. WS mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	.0	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.6
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.7	.0
17. SE blk	.0	.0	.0	.0	1.0	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.4	.0	.0	.5	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.8	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	5	-150	5	0	* AG	770	6.3	.0	15.3
B. Broadway NBD	*	5	0	5	150	* AG	780	4.7	.0	13.5
C. Broadway NBL	*	2	-150	0	0	* AG	92	8.4	.0	10.0
D. Broadway SBA	*	-7	150	-7	0	* AG	499	6.3	.0	18.8
E. Broadway SBD	*	-7	0	-7	-150	* AG	597	4.7	.0	17.0
F. Broadway SBL	*	-2	150	0	0	* AG	37	8.4	.0	10.0
G. 20th Str EBA	*	-150	-5	0	-5	* AG	208	7.8	.0	15.3
H. 20th Str EBD	*	0	-5	150	-5	* AG	260	5.2	.0	13.5
I. 20th Str EBL	*	-150	-2	0	0	* AG	19	8.4	.0	10.0
J. 20th Str WBA	*	150	5	0	5	* AG	285	7.8	.0	15.3
K. 20th Str WBD	*	0	5	-150	5	* AG	324	5.2	.0	13.5
L. 20th Str WBL	*	150	2	0	0	* AG	51	8.4	.0	10.0
M. Broadwa NBAX	*	5	-750	5	-150	* AG	862	4.5	.0	15.3
N. Broadwa NBDX	*	5	150	5	750	* AG	780	4.5	.0	13.5
O. Broadwa SBAX	*	-7	750	-7	150	* AG	536	4.5	.0	18.8
P. Broadwa SBDX	*	-7	-150	-7	-750	* AG	597	4.5	.0	17.0
Q. 20th St EBAX	*	-750	-5	-150	-5	* AG	227	4.5	.0	15.3
R. 20th St EBDX	*	150	-5	750	-5	* AG	260	4.5	.0	13.5
S. 20th St WBAX	*	750	5	150	5	* AG	336	4.5	.0	15.3
T. 20th St WBDX	*	-150	5	-750	5	* AG	324	4.5	.0	13.5

JOB: 19th Street
RUN: Existing-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-14	1.8
2. NW	*	-18	14	1.8
3. SW	*	-17	-14	1.8
4. NE	*	14	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	14	600	1.8

JOB: 19th Street
RUN: Existing-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	1.0	.0	.4	.0	.1	.0	.0	.0	.0
2. NW	171.	.9	.2	.0	.0	.0	.3	.0	.0	.0
3. SW	7.	.9	.0	.1	.0	.3	.0	.0	.0	.0
4. NE	187.	1.2	.5	.0	.0	.0	.1	.0	.0	.0
5. ES mdblk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	97.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.6	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.7	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	1.1	.6	.0	.0	.0	.1	.0	.0	.0
10. NW mdblk	173.	.9	.1	.0	.0	.3	.0	.0	.0	.0
11. SW mdblk	8.	.9	.2	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	186.	1.0	.1	.4	.0	.1	.0	.0	.0	.0
13. ES blk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.4	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.9	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.8	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.9	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.6	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	668	8.6	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	621	5.8	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	208	9.1	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	511	7.8	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	541	5.2	.0	11.8
F. Broadway SBL	*	-5	150	0	0	* AG	43	8.4	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	421	6.3	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	578	4.7	.0	11.8
I. Grand Av EBL	*	-150	-5	0	0	* AG	69	8.4	.0	10.0
J. Grand Av WBA	*	150	5	0	5	* AG	322	6.3	.0	15.3
K. Grand Av WBD	*	0	5	-150	5	* AG	592	4.7	.0	13.5
L. Grand Av WBL	*	150	2	0	0	* AG	90	8.4	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	876	4.5	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	621	4.5	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	554	4.5	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	541	4.5	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	490	4.5	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	578	4.5	.0	11.8
S. Grand A WBAX	*	750	5	150	5	* AG	412	4.5	.0	15.3
T. Grand A WBDX	*	-150	5	-750	5	* AG	592	4.5	.0	13.5

JOB: 19th Street
RUN: Existing-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	14	1.8
3. SW	*	-16	-17	1.8
4. NE	*	15	14	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	15	600	1.8

JOB: 19th Street
RUN: Existing-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	1.2	.3	.0	.0	.0	.0	.0	.3	.0
2. NW	169.	1.2	.2	.0	.1	.1	.3	.0	.1	.0
3. SW	8.	1.1	.0	.1	.0	.4	.0	.0	.2	.0
4. NE	187.	1.4	.7	.0	.1	.0	.0	.0	.0	.0
5. ES mdblk	277.	.9	.0	.0	.0	.0	.0	.0	.0	.4
6. WN mdblk	98.	.9	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.9	.0	.0	.0	.0	.0	.0	.4	.0
8. EN mdblk	262.	.8	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	1.3	.8	.0	.2	.1	.0	.0	.0	.0
10. NW mdblk	172.	1.1	.2	.0	.0	.5	.0	.0	.0	.0
11. SW mdblk	9.	1.0	.2	.0	.1	.0	.4	.0	.0	.0
12. NE mdblk	186.	1.1	.1	.5	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.7	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.8	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.7	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.6	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.9	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.8	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.8	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1
2. NW	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0
17. SE blk	.0	.0	.0	.0	.6	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S	Z0= 100. CM	ALT= 13. (M)
BRG= WORST CASE	VD= .0 CM/S	
CLAS= 7 (G)	VS= .0 CM/S	
MIXH= 1000. M	AMB= .0 PPM	
SIGTH= 10. DEGREES	TEMP= 10.0 DEGREE (C)	

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	610	8.6	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	890	7.2	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	139	8.4	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	655	8.6	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	671	5.8	.0	10.0
F. Broadway SBL	*	-5	150	0	0	* AG	144	8.4	.0	10.0
G. 27th Str EBA	*	-150	-7	0	-7	* AG	265	6.3	.0	18.8
H. 27th Str EBD	*	0	-7	150	-7	* AG	376	4.7	.0	17.0
I. 27th Str EBL	*	-150	-2	0	0	* AG	73	8.4	.0	10.0
J. 27th Str WBA	*	150	7	0	7	* AG	567	6.3	.0	15.3
K. 27th Str WBD	*	0	7	-150	7	* AG	545	4.7	.0	11.8
L. 27th Str WBL	*	150	2	0	0	* AG	29	8.4	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	749	4.5	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	890	4.5	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	799	4.5	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	671	4.5	.0	10.0
Q. 27th St EBAX	*	-750	-7	-150	-7	* AG	338	4.5	.0	18.8
R. 27th St EBDX	*	150	-7	750	-7	* AG	376	4.5	.0	17.0
S. 27th St WBAX	*	750	7	150	7	* AG	596	4.5	.0	15.3
T. 27th St WBDX	*	-150	7	-750	7	* AG	545	4.5	.0	11.8

JOB: 19th Street
RUN: Existing-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-17	14	1.8
3. SW	*	-15	-18	1.8
4. NE	*	15	16	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-18	1.8
8. EN mdblk	*	150	16	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-18	1.8
16. EN blk	*	600	16	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	15	600	1.8

JOB: 19th Street
RUN: Existing-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	1.5	.2	.6	.0	.2	.0	.0	.0	.1
2. NW	169.	1.3	.2	.0	.0	.2	.4	.0	.0	.0
3. SW	8.	1.5	.0	.2	.0	.6	.1	.1	.0	.0
4. NE	188.	1.5	.6	.2	.0	.0	.1	.0	.0	.0
5. ES mdblk	278.	.7	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	96.	.9	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.7	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.9	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	1.4	.7	.0	.1	.2	.0	.0	.0	.0
10. NW mdblk	171.	1.4	.1	.2	.0	.8	.0	.1	.0	.0
11. SW mdblk	7.	1.2	.1	.2	.0	.0	.5	.0	.0	.0
12. NE mdblk	188.	1.5	.0	.9	.0	.2	.1	.0	.0	.0
13. ES blk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.7	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.7	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.9	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.9	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.9	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	1.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
2. NW	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
4. NE	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0
17. SE blk	.0	.0	.0	.0	.5	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.5	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.5	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	475	6.3	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	569	4.7	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	80	8.4	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	450	6.3	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	404	4.7	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	115	8.4	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	606	8.6	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	722	5.8	.0	10.0
I. Grand Av EBL	*	-150	-5	0	0	* AG	23	8.4	.0	10.0
J. Grand Av WBA	*	150	9	0	9	* AG	792	8.1	.0	13.5
K. Grand Av WBD	*	0	9	-150	9	* AG	862	5.3	.0	11.8
L. Grand Av WBL	*	150	5	0	0	* AG	16	8.4	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	555	4.5	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	569	4.5	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	565	4.5	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	404	4.5	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	629	4.5	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	722	4.5	.0	10.0
S. Grand A WBAX	*	750	9	150	9	* AG	808	4.5	.0	13.5
T. Grand A WBDX	*	-150	9	-750	9	* AG	862	4.5	.0	11.8

JOB: 19th Street
RUN: Existing-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-15	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-15	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-15	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: 19th Street
RUN: Existing-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	1.4	.2	.0	.0	.0	.0	.0	.6	.1
2. NW	98.	1.5	.0	.0	.0	.2	.0	.0	.0	.1
3. SW	80.	1.3	.1	.0	.0	.0	.1	.0	.2	.4
4. NE	260.	1.3	.0	.2	.0	.1	.0	.0	.2	.0
5. ES mdblk	278.	1.2	.0	.0	.0	.0	.0	.0	.0	.6
6. WN mdblk	97.	1.2	.0	.0	.0	.0	.0	.0	.1	.1
7. WS mdblk	82.	1.3	.0	.0	.0	.0	.0	.0	.7	.0
8. EN mdblk	262.	1.4	.0	.0	.0	.0	.0	.0	.1	.0
9. SE mdblk	353.	.9	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.9	.0	.0	.0	.4	.0	.0	.0	.0
11. SW mdblk	7.	.8	.0	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	187.	.9	.0	.4	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.9	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	1.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.8	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.9	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.7	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.7	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.8	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
2. NW	.0	.7	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0
3. SW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
4. NE	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.1	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.6
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	442	6.8	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	681	4.9	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	147	8.4	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	680	6.9	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	558	4.9	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	112	8.4	.0	10.0
G. 27th Str EBA	*	-150	-9	0	-9	* AG	463	6.8	.0	13.5
H. 27th Str EBD	*	0	-9	150	-9	* AG	497	4.9	.0	11.8
I. 27th Str EBL	*	-150	-5	0	0	* AG	180	8.4	.0	10.0
J. 27th Str WBA	*	150	9	0	9	* AG	553	6.8	.0	13.5
K. 27th Str WBD	*	0	9	-150	9	* AG	896	4.9	.0	11.8
L. 27th Str WBL	*	150	5	0	0	* AG	55	8.4	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	589	4.5	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	681	4.5	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	792	4.5	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	558	4.5	.0	11.8
Q. 27th St EBAX	*	-750	-9	-150	-9	* AG	643	4.5	.0	13.5
R. 27th St EBDX	*	150	-9	750	-9	* AG	497	4.5	.0	11.8
S. 27th St WBAX	*	750	9	150	9	* AG	608	4.5	.0	13.5
T. 27th St WBDX	*	-150	9	-750	9	* AG	896	4.5	.0	11.8

JOB: 19th Street
RUN: Existing-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: 19th Street
RUN: Existing-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	1.2	.2	.0	.0	.0	.0	.0	.4	.0
2. NW	98.	1.3	.0	.1	.0	.3	.0	.0	.0	.0
3. SW	7.	1.4	.0	.0	.0	.5	.0	.0	.2	.0
4. NE	261.	1.4	.0	.2	.0	.2	.0	.0	.1	.0
5. ES mdblk	277.	.9	.0	.0	.0	.0	.0	.0	.0	.3
6. WN mdblk	98.	1.1	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	81.	1.0	.0	.0	.0	.0	.0	.0	.4	.0
8. EN mdblk	263.	1.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	1.0	.4	.0	.1	.1	.0	.0	.0	.0
10. NW mdblk	172.	1.2	.0	.0	.0	.6	.0	.0	.0	.0
11. SW mdblk	6.	1.0	.0	.0	.0	.0	.4	.0	.0	.0
12. NE mdblk	188.	1.0	.0	.5	.0	.1	.0	.0	.0	.0
13. ES blk	276.	.7	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	1.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.8	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.7	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.8	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.9	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.8	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.9	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: Existing-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2
2. NW	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.5	.0	.0	.0	.0	.0	.1	.0	.0	.0
5. ES mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.6
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.5	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	7	-150	7	0	* AG	1084	3.2	.0	17.0
B. Oak Stre NBD	*	7	0	7	150	* AG	1155	2.5	.0	17.0
C. Oak Stre NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	2.4	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 11th Str EBA	*	-150	-4	0	-4	* AG	0	2.4	.0	10.0
H. 11th Str EBD	*	0	-4	150	-4	* AG	0	2.4	.0	10.0
I. 11th Str EBL	*	-150	-5	0	0	* AG	71	4.1	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	2.4	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	2.4	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Oak Str NBAX	*	7	-750	7	-150	* AG	1084	2.4	.0	17.0
N. Oak Str NBDX	*	7	150	7	750	* AG	1155	2.4	.0	17.0
O. Oak Str SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	2.4	.0	10.0
Q. 11th St EBAX	*	-750	-4	-150	-4	* AG	71	2.4	.0	10.0
R. 11th St EBDX	*	150	-4	750	-4	* AG	0	2.4	.0	10.0
S. 11th St WBAX	*	750	0	150	0	* AG	0	2.4	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	2.4	.0	10.0

JOB: 19th Street
RUN: 2015nP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-10	1.8
2. NW	*	-7	7	1.8
3. SW	*	-7	-10	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-10	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-10	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-10	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-10	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	17	600	1.8

JOB: 19th Street
RUN: 2015nP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	187.	.5	.4	.0	.0	.0	.0	.0	.0	.0
2. NW	172.	.4	.3	.0	.0	.0	.0	.0	.0	.0
3. SW	172.	.3	.2	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.4	.4	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	271.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	100.	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.5	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.3	.0	.2	.0	.0	.0	.0	.0	.0
11. SW mdblk	7.	.3	.2	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.4	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	268.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	86.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.4	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	989	3.4	.0	18.8
B. Oak Stre NBD	*	9	0	9	150	* AG	1051	2.6	.0	18.8
C. Oak Stre NBL	*	2	-150	0	0	* AG	283	4.3	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	2.4	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	1116	3.5	.0	20.5
K. 12th Str WBD	*	0	9	-150	9	* AG	1337	2.6	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	1272	2.4	.0	18.8
N. Oak Str NBDX	*	9	150	9	750	* AG	1051	2.4	.0	18.8
O. Oak Str SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	2.4	.0	10.0
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	1116	2.4	.0	20.5
T. 12th St WBDX	*	-150	9	-750	9	* AG	1337	2.4	.0	18.8

JOB: 19th Street
RUN: 2015nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-7	1.8
2. NW	*	-7	20	1.8
3. SW	*	-7	-7	1.8
4. NE	*	20	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	20	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	20	600	1.8

JOB: 19th Street
RUN: 2015nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.6	.2	.0	.0	.0	.0	.0	.0	.0
2. NW	173.	.7	.2	.0	.1	.0	.0	.0	.0	.0
3. SW	80.	.6	.1	.0	.0	.0	.0	.0	.0	.0
4. NE	188.	.7	.3	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.4	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	97.	.5	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.4	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.5	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.4	.0	.1	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.5	.2	.0	.2	.0	.0	.0	.0	.0
12. NE mdblk	186.	.5	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	679	3.2	.0	22.3
B. Oak Stre NBD	*	9	0	9	150	* AG	974	2.5	.0	20.5
C. Oak Stre NBL	*	2	-150	0	0	* AG	205	4.3	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	2.4	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	953	4.2	.0	11.8
H. 14th Str EBD	*	0	-5	150	-5	* AG	995	3.0	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	66	4.1	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	712	4.2	.0	13.5
K. 14th Str WBD	*	0	5	-150	5	* AG	646	3.0	.0	10.0
L. 14th Str WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	884	2.4	.0	22.3
N. Oak Str NBDX	*	9	150	9	750	* AG	974	2.4	.0	20.5
O. Oak Str SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	2.4	.0	10.0
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	1019	2.4	.0	11.8
R. 14th St EBDX	*	150	-5	750	-5	* AG	995	2.4	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	712	2.4	.0	13.5
T. 14th St WBDX	*	-150	5	-750	5	* AG	646	2.4	.0	10.0

JOB: 19th Street
RUN: 2015nP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	21	-13	1.8
2. NW	*	-7	12	1.8
3. SW	*	-7	-13	1.8
4. NE	*	21	14	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-13	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	21	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	21	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-13	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	21	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	21	600	1.8

JOB: 19th Street
RUN: 2015nP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.9	.1	.0	.0	.0	.0	.0	.4	.1
2. NW	97.	.8	.0	.1	.0	.0	.0	.0	.0	.1
3. SW	82.	.8	.1	.0	.0	.0	.0	.0	.0	.4
4. NE	260.	.8	.0	.1	.0	.0	.0	.0	.2	.0
5. ES mdblk	277.	.7	.0	.0	.0	.0	.0	.0	.0	.4
6. WN mdblk	98.	.7	.0	.0	.0	.0	.0	.0	.2	.0
7. WS mdblk	83.	.9	.0	.0	.0	.0	.0	.0	.5	.0
8. EN mdblk	262.	.7	.0	.0	.0	.0	.0	.0	.0	.1
9. SE mdblk	353.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.4	.0	.1	.0	.0	.0	.0	.0	.0
11. SW mdblk	7.	.4	.2	.0	.1	.0	.0	.0	.0	.0
12. NE mdblk	186.	.4	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.4	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	2.4	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	1514	4.2	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	1867	3.6	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	472	4.4	.0	10.0
G. 7th Stre EBA	*	-150	-9	0	-9	* AG	1523	3.3	.0	20.5
H. 7th Stre EBD	*	0	-9	150	-9	* AG	1642	2.5	.0	18.8
I. 7th Stre EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 7th Stre WBA	*	150	0	0	0	* AG	0	2.4	.0	10.0
K. 7th Stre WBD	*	0	0	-150	0	* AG	0	2.4	.0	10.0
L. 7th Stre WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	2.4	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	1986	2.4	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1867	2.4	.0	15.3
Q. 7th Str EBAX	*	-750	-9	-150	-9	* AG	1523	2.4	.0	20.5
R. 7th Str EBDX	*	150	-9	750	-9	* AG	1642	2.4	.0	18.8
S. 7th Str WBAX	*	750	0	150	0	* AG	0	2.4	.0	10.0
T. 7th Str WBDX	*	-150	0	-750	0	* AG	0	2.4	.0	10.0

JOB: 19th Street
RUN: 2015nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2015nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	1.0	.0	.0	.0	.4	.0	.2	.0	.2
2. NW	172.	1.1	.0	.0	.0	.0	.7	.0	.2	.0
3. SW	9.	1.3	.0	.0	.0	.6	.2	.1	.3	.0
4. NE	260.	.9	.0	.0	.0	.3	.0	.1	.4	.0
5. ES mdblk	276.	.7	.0	.0	.0	.0	.0	.0	.1	.4
6. WN mdblk	98.	.5	.0	.0	.0	.0	.0	.0	.3	.0
7. WS mdblk	83.	.7	.0	.0	.0	.0	.0	.0	.5	.0
8. EN mdblk	263.	.5	.0	.0	.0	.0	.0	.0	.1	.2
9. SE mdblk	353.	.7	.0	.0	.0	.1	.4	.0	.0	.0
10. NW mdblk	172.	1.1	.0	.0	.0	.7	.0	.1	.0	.0
11. SW mdblk	6.	1.0	.0	.0	.0	.1	.7	.0	.0	.0
12. NE mdblk	189.	.9	.0	.0	.0	.4	.0	.2	.0	.0
13. ES blk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.4	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.7	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	2.4	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	956	4.0	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	1157	2.8	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	51	4.1	.0	10.0
G. 11th Str EBA	*	-150	-9	0	-9	* AG	1211	3.2	.0	20.5
H. 11th Str EBD	*	0	-9	150	-9	* AG	1061	2.5	.0	18.8
I. 11th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	2.4	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	2.4	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	2.4	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	1007	2.4	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1157	2.4	.0	15.3
Q. 11th St EBAX	*	-750	-9	-150	-9	* AG	1211	2.4	.0	20.5
R. 11th St EBDX	*	150	-9	750	-9	* AG	1061	2.4	.0	18.8
S. 11th St WBAX	*	750	0	150	0	* AG	0	2.4	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	2.4	.0	10.0

JOB: 19th Street
RUN: 2015nP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2015nP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	.6	.0	.0	.0	.0	.2	.0	.4	.0
2. NW	174.	.6	.0	.0	.0	.0	.3	.0	.2	.0
3. SW	8.	.7	.0	.0	.0	.4	.1	.0	.2	.0
4. NE	261.	.5	.0	.0	.0	.2	.0	.0	.3	.0
5. ES mdblk	276.	.4	.0	.0	.0	.0	.0	.0	.0	.3
6. WN mdblk	99.	.4	.0	.0	.0	.0	.0	.0	.3	.0
7. WS mdblk	82.	.5	.0	.0	.0	.0	.0	.0	.4	.0
8. EN mdblk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.1
9. SE mdblk	353.	.4	.0	.0	.0	.0	.2	.0	.0	.0
10. NW mdblk	173.	.6	.0	.0	.0	.4	.0	.0	.0	.0
11. SW mdblk	6.	.5	.0	.0	.0	.0	.4	.0	.0	.0
12. NE mdblk	188.	.4	.0	.0	.0	.3	.0	.0	.0	.0
13. ES blk	276.	.4	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.4	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	2.4	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	743	3.8	.0	17.0
E. Madison SBD	*	-7	0	-7	-150	* AG	946	2.8	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	941	3.2	.0	18.8
K. 12th Str WBD	*	0	9	-150	9	* AG	987	2.5	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	249	4.3	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	2.4	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	743	2.4	.0	17.0
P. Madison SBDX	*	-7	-150	-7	-750	* AG	946	2.4	.0	15.3
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	1190	2.4	.0	18.8
T. 12th St WBDX	*	-150	9	-750	9	* AG	987	2.4	.0	18.8

JOB: 19th Street
RUN: 2015nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-7	1.8
2. NW	*	-17	20	1.8
3. SW	*	-16	-7	1.8
4. NE	*	7	20	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	20	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	20	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2015nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	351.	.5	.0	.0	.0	.2	.0	.0	.0	.0
2. NW	97.	.6	.0	.0	.0	.2	.0	.0	.0	.0
3. SW	83.	.6	.0	.0	.0	.0	.2	.0	.0	.0
4. NE	188.	.5	.0	.0	.0	.0	.2	.0	.0	.0
5. ES mdblk	278.	.5	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	262.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.3	.0	.0	.0	.0	.2	.0	.0	.0
10. NW mdblk	173.	.5	.0	.0	.0	.3	.0	.0	.0	.0
11. SW mdblk	7.	.4	.0	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	187.	.3	.0	.0	.0	.2	.0	.0	.0	.0
13. ES blk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.4	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	2.4	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Madison SBA	*	-9	150	-9	0	* AG	708	3.8	.0	15.3
E. Madison SBD	*	-9	0	-9	-150	* AG	793	2.7	.0	13.5
F. Madison SBL	*	-5	150	0	0	* AG	472	4.3	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	745	3.2	.0	13.5
H. 14th Str EBD	*	0	-5	150	-5	* AG	1141	2.5	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	582	3.2	.0	11.8
K. 14th Str WBD	*	0	5	-150	5	* AG	607	2.5	.0	11.8
L. 14th Str WBL	*	150	2	0	0	* AG	34	4.1	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	2.4	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Madison SBAX	*	-9	750	-9	150	* AG	1180	2.4	.0	15.3
P. Madison SBDX	*	-9	-150	-9	-750	* AG	793	2.4	.0	13.5
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	745	2.4	.0	13.5
R. 14th St EBDX	*	150	-5	750	-5	* AG	1141	2.4	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	616	2.4	.0	11.8
T. 14th St WBDX	*	-150	5	-750	5	* AG	607	2.4	.0	11.8

JOB: 19th Street
RUN: 2015nP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-18	13	1.8
3. SW	*	-17	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2015nP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.8	.0	.0	.0	.2	.0	.3	.0	.2
2. NW	97.	.8	.0	.0	.0	.2	.0	.0	.0	.1
3. SW	7.	.7	.0	.0	.0	.3	.0	.1	.1	.0
4. NE	263.	.7	.0	.0	.0	.1	.0	.1	.1	.0
5. ES mdblk	278.	.7	.0	.0	.0	.0	.0	.0	.0	.4
6. WN mdblk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.6	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.6	.0	.0	.0	.0	.0	.0	.0	.1
9. SE mdblk	354.	.3	.0	.0	.0	.0	.1	.0	.0	.0
10. NW mdblk	170.	.6	.0	.0	.0	.3	.0	.2	.0	.0
11. SW mdblk	5.	.5	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	189.	.5	.0	.0	.0	.2	.0	.2	.0	.0
13. ES blk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	4	-150	4	0	* AG	195	3.4	.0	10.0
B. Jackson NBD	*	4	0	4	150	* AG	201	2.5	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	27	4.1	.0	10.0
D. Jackson SBA	*	-4	150	-4	0	* AG	117	3.4	.0	10.0
E. Jackson SBD	*	-4	0	-4	-150	* AG	97	2.5	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	114	3.4	.0	15.3
K. 19th Str WBD	*	0	5	-150	5	* AG	165	2.5	.0	13.5
L. 19th Str WBL	*	150	2	0	0	* AG	10	4.1	.0	10.0
M. Jackson NBAX	*	4	-750	4	-150	* AG	222	2.4	.0	10.0
N. Jackson NBDX	*	4	150	4	750	* AG	201	2.4	.0	10.0
O. Jackson SBAX	*	-4	750	-4	150	* AG	117	2.4	.0	10.0
P. Jackson SBDX	*	-4	-150	-4	-750	* AG	97	2.4	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	124	2.4	.0	15.3
T. 19th St WBDX	*	-150	5	-750	5	* AG	165	2.4	.0	13.5

JOB: 19th Street
RUN: 2015nP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-10	14	1.8
3. SW	*	-10	-7	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-10	150	1.8
11. SW mdblk	*	-10	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: 2015nP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	187.	.2	.1	.0	.0	.0	.0	.0	.0	.0
2. NW	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	95.	.1	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.1	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	.2	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	275.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	95.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	175.	.1	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	185.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	0	-150	0	0	* AG	1	3.8	.0	10.0
B. Jackson NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	181	4.1	.0	10.0
D. Jackson SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Jackson SBD	*	0	0	0	-150	* AG	152	2.7	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. Lakeside EBA	*	-150	-5	0	-5	* AG	805	3.2	.0	13.5
H. Lakeside EBD	*	0	-5	150	-5	* AG	656	2.5	.0	11.8
I. Lakeside EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. Lakeside WBA	*	150	5	0	5	* AG	828	3.2	.0	11.8
K. Lakeside WBD	*	0	5	-150	5	* AG	1009	2.5	.0	11.8
L. Lakeside WBL	*	150	2	0	0	* AG	2	4.1	.0	10.0
M. Jackson NBAX	*	0	-750	0	-150	* AG	182	2.4	.0	10.0
N. Jackson NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Jackson SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Jackson SBDX	*	0	-150	0	-750	* AG	152	2.4	.0	10.0
Q. Lakesid EBAX	*	-750	-5	-150	-5	* AG	805	2.4	.0	13.5
R. Lakesid EBDX	*	150	-5	750	-5	* AG	656	2.4	.0	11.8
S. Lakesid WBAX	*	750	5	150	5	* AG	830	2.4	.0	11.8
T. Lakesid WBDX	*	-150	5	-750	5	* AG	1009	2.4	.0	11.8

JOB: 19th Street
RUN: 2015nP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2015nP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.7	.0	.0	.0	.0	.0	.0	.3	.0
2. NW	263.	.6	.0	.0	.0	.0	.0	.0	.1	.0
3. SW	278.	.6	.0	.0	.0	.0	.0	.0	.3	.0
4. NE	263.	.6	.0	.0	.0	.0	.0	.0	.1	.0
5. ES mdblk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	98.	.6	.0	.0	.0	.0	.0	.0	.1	.0
7. WS mdblk	83.	.6	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.6	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.0	.0	.2	.0	.0	.0	.0	.0
10. NW mdblk	179.	.1	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.2	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	182.	.1	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	180.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	181.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Alice St NBA	*	4	-150	4	0	* AG	0	2.4	.0	10.0
B. Alice St NBD	*	4	0	4	150	* AG	0	2.4	.0	10.0
C. Alice St NBL	*	5	-150	0	0	* AG	155	4.1	.0	10.0
D. Alice St SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Alice St SBD	*	0	0	0	-150	* AG	27	2.7	.0	10.0
F. Alice St SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	191	3.2	.0	11.8
K. 19th Str WBD	*	0	5	-150	5	* AG	346	2.5	.0	11.8
L. 19th Str WBL	*	150	2	0	0	* AG	27	4.1	.0	10.0
M. Alice S NBAX	*	4	-750	4	-150	* AG	155	2.4	.0	10.0
N. Alice S NBDX	*	4	150	4	750	* AG	0	2.4	.0	10.0
O. Alice S SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Alice S SBDX	*	0	-150	0	-750	* AG	27	2.4	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	218	2.4	.0	11.8
T. 19th St WBDX	*	-150	5	-750	5	* AG	346	2.4	.0	11.8

JOB: 19th Street
RUN: 2015nP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-7	1.8
4. NE	*	10	13	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: 2015nP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	.1	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.1	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	186.	.1	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.1	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.2	.0	.0	.1	.0	.0	.0	.0	.0
10. NW mdblk	178.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	182.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	275.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.1	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	179.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	181.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	492	3.4	.0	11.8
B. Harrison NBD	*	5	0	5	150	* AG	572	2.5	.0	11.8
C. Harrison NBL	*	2	-150	0	0	* AG	130	4.1	.0	10.0
D. Harrison SBA	*	-5	150	-5	0	* AG	92	3.4	.0	13.5
E. Harrison SBD	*	-5	0	-5	-150	* AG	114	2.5	.0	11.8
F. Harrison SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	740	3.4	.0	22.3
K. 12th Str WBD	*	0	9	-150	9	* AG	815	2.5	.0	20.5
L. 12th Str WBL	*	150	2	0	0	* AG	47	4.1	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	622	2.4	.0	11.8
N. Harriso NBDX	*	5	150	5	750	* AG	572	2.4	.0	11.8
O. Harriso SBAX	*	-5	750	-5	150	* AG	92	2.4	.0	13.5
P. Harriso SBDX	*	-5	-150	-5	-750	* AG	114	2.4	.0	11.8
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	787	2.4	.0	22.3
T. 12th St WBDX	*	-150	9	-750	9	* AG	815	2.4	.0	20.5

JOB: 19th Street
RUN: 2015nP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	13	-7	1.8
2. NW	*	-14	21	1.8
3. SW	*	-13	-7	1.8
4. NE	*	13	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	21	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	13	-150	1.8
10. NW mdblk	*	-14	150	1.8
11. SW mdblk	*	-13	-150	1.8
12. NE mdblk	*	13	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	21	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	13	-600	1.8
18. NW blk	*	-14	600	1.8
19. SW blk	*	-13	-600	1.8
20. NE blk	*	13	600	1.8

JOB: 19th Street
RUN: 2015nP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	354.	.4	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	97.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.4	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.5	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.3	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.3	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	840	3.2	.0	15.3
B. Harrison NBD	*	5	0	5	150	* AG	1326	2.5	.0	13.5
C. Harrison NBL	*	2	-150	0	0	* AG	217	4.3	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	622	3.2	.0	18.8
E. Harrison SBD	*	-9	0	-9	-150	* AG	358	2.5	.0	15.3
F. Harrison SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 20th Str EBA	*	-150	-12	0	-12	* AG	159	3.8	.0	15.3
H. 20th Str EBD	*	0	-12	150	-12	* AG	0	2.4	.0	13.5
I. 20th Str EBL	*	-150	-9	0	0	* AG	486	4.1	.0	10.0
J. 20th Str WBA	*	150	9	0	9	* AG	0	2.4	.0	13.5
K. 20th Str WBD	*	0	9	-150	9	* AG	640	2.8	.0	11.8
L. 20th Str WBL	*	150	5	0	0	* AG	0	2.4	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	1057	2.4	.0	15.3
N. Harriso NBDX	*	5	150	5	750	* AG	1326	2.4	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	622	2.4	.0	18.8
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	358	2.4	.0	15.3
Q. 20th St EBAX	*	-750	-12	-150	-12	* AG	645	2.4	.0	15.3
R. 20th St EBDX	*	150	-12	750	-12	* AG	0	2.4	.0	13.5
S. 20th St WBAX	*	750	9	150	9	* AG	0	2.4	.0	13.5
T. 20th St WBDX	*	-150	9	-750	9	* AG	640	2.4	.0	11.8

JOB: 19th Street
RUN: 2015nP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-21	1.8
2. NW	*	-20	16	1.8
3. SW	*	-18	-21	1.8
4. NE	*	14	17	1.8
5. ES mdblk	*	150	-21	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-20	150	1.8
11. SW mdblk	*	-18	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-21	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-20	600	1.8
19. SW blk	*	-18	-600	1.8
20. NE blk	*	14	600	1.8

JOB: 19th Street
RUN: 2015nP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.6	.0	.3	.0	.0	.0	.0	.0	.0
2. NW	170.	.6	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	7.	.6	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	261.	.7	.0	.2	.0	.0	.0	.0	.0	.0
5. ES mdblk	275.	.3	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	103.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	73.	.4	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	265.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.6	.3	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.5	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	7.	.5	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	188.	.7	.0	.4	.0	.0	.0	.0	.0	.0
13. ES blk	272.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.4	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	82.	.4	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	269.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.7	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S	Z0= 100. CM	ALT= 13. (M)
BRG= WORST CASE	VD= .0 CM/S	
CLAS= 7 (G)	VS= .0 CM/S	
MIXH= 1000. M	AMB= .0 PPM	
SIGTH= 10. DEGREES	TEMP= 10.0 DEGREE (C)	

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	845	3.2	.0	13.5
B. Harrison NBD	*	9	0	9	150	* AG	1958	2.6	.0	13.5
C. Harrison NBL	*	5	-150	0	0	* AG	299	4.3	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	1217	3.6	.0	20.5
E. Harrison SBD	*	-9	0	-9	-150	* AG	976	2.5	.0	10.0
F. Harrison SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. Lakeside EBA	*	-150	-11	0	-11	* AG	146	3.8	.0	10.0
H. Lakeside EBD	*	0	-11	150	-11	* AG	0	2.4	.0	10.0
I. Lakeside EBL	*	-150	-12	0	0	* AG	1113	4.4	.0	10.0
J. Lakeside WBA	*	150	0	0	0	* AG	0	2.4	.0	10.0
K. Lakeside WBD	*	0	0	-150	0	* AG	686	3.6	.0	10.0
L. Lakeside WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	1144	2.4	.0	13.5
N. Harriso NBDX	*	9	150	9	750	* AG	1958	2.4	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	1217	2.4	.0	20.5
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	976	2.4	.0	10.0
Q. Lakesid EBAX	*	-750	-11	-150	-11	* AG	1259	2.4	.0	10.0
R. Lakesid EBDX	*	150	-11	750	-11	* AG	0	2.4	.0	10.0
S. Lakesid WBAX	*	750	0	150	0	* AG	0	2.4	.0	10.0
T. Lakesid WBDX	*	-150	0	-750	0	* AG	686	2.4	.0	10.0

JOB: 19th Street
RUN: 2015nP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-21	7	1.8
3. SW	*	-15	-17	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-21	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-21	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	17	600	1.8

JOB: 19th Street
RUN: 2015nP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.9	.2	.0	.0	.0	.0	.0	.0	.0
2. NW	169.	.9	.0	.0	.0	.0	.2	.0	.0	.0
3. SW	7.	1.2	.0	.1	.0	.4	.0	.0	.0	.0
4. NE	263.	1.4	.0	.3	.0	.1	.0	.0	.0	.0
5. ES mdblk	273.	.4	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	102.	.8	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	78.	1.3	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	268.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.8	.3	.0	.0	.1	.0	.0	.0	.0
10. NW mdblk	172.	.8	.0	.0	.0	.4	.0	.0	.0	.0
11. SW mdblk	6.	.8	.0	.1	.0	.0	.3	.0	.0	.0
12. NE mdblk	189.	1.0	.0	.6	.0	.1	.0	.0	.0	.0
13. ES blk	272.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.7	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	270.	.1	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	353.	.7	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.6	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	188.	.9	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
4. NE	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	2624	3.6	.0	18.8
B. Harrison NBD	*	9	0	9	150	* AG	1634	2.5	.0	15.3
C. Harrison NBL	*	2	-150	0	0	* AG	11	4.1	.0	10.0
D. Harrison SBA	*	-7	150	-7	0	* AG	774	3.2	.0	18.8
E. Harrison SBD	*	-7	0	-7	-150	* AG	1155	2.5	.0	17.0
F. Harrison SBL	*	-2	150	0	0	* AG	2	4.1	.0	10.0
G. Grand Av EBA	*	-150	-12	0	-12	* AG	806	4.3	.0	13.5
H. Grand Av EBD	*	0	-12	150	-12	* AG	1950	4.4	.0	10.0
I. Grand Av EBL	*	-150	-9	0	0	* AG	244	4.1	.0	10.0
J. Grand Av WBA	*	150	12	0	12	* AG	945	4.3	.0	13.5
K. Grand Av WBD	*	0	12	-150	12	* AG	1040	4.1	.0	10.0
L. Grand Av WBL	*	150	9	0	0	* AG	373	4.1	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	2635	2.4	.0	18.8
N. Harriso NBDX	*	9	150	9	750	* AG	1634	2.4	.0	15.3
O. Harriso SBAX	*	-7	750	-7	150	* AG	776	2.4	.0	18.8
P. Harriso SBDX	*	-7	-150	-7	-750	* AG	1155	2.4	.0	17.0
Q. Grand A EBAX	*	-750	-12	-150	-12	* AG	1050	2.4	.0	13.5
R. Grand A EBDX	*	150	-12	750	-12	* AG	1950	2.4	.0	10.0
S. Grand A WBAX	*	750	12	150	12	* AG	1318	2.4	.0	13.5
T. Grand A WBDX	*	-150	12	-750	12	* AG	1040	2.4	.0	10.0

JOB: 19th Street
RUN: 2015nP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-19	1.8
2. NW	*	-18	19	1.8
3. SW	*	-17	-21	1.8
4. NE	*	18	21	1.8
5. ES mdblk	*	150	-19	1.8
6. WN mdblk	*	-150	19	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	18	150	1.8
13. ES blk	*	600	-19	1.8
14. WN blk	*	-600	19	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	18	600	1.8

JOB: 19th Street
RUN: 2015nP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	288.	1.7	.5	.0	.0	.0	.0	.0	.2	.6
2. NW	100.	1.3	.0	.1	.0	.1	.0	.0	.0	.2
3. SW	80.	1.6	.3	.0	.0	.0	.2	.0	.1	.7
4. NE	187.	1.7	.8	.1	.0	.0	.0	.0	.0	.2
5. ES mdblk	279.	1.6	.0	.0	.0	.0	.0	.0	.0	1.1
6. WN mdblk	98.	1.2	.0	.0	.0	.0	.0	.0	.0	.2
7. WS mdblk	83.	1.0	.0	.0	.0	.0	.0	.0	.4	.1
8. EN mdblk	258.	1.1	.0	.0	.0	.0	.0	.0	.0	.2
9. SE mdblk	352.	1.4	.9	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.9	.2	.0	.0	.3	.0	.0	.0	.0
11. SW mdblk	13.	.9	.3	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	186.	1.0	.2	.4	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.9	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.7	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.8	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	353.	1.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	8.	.9	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.8	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.4	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
4. NE	.0	.2	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0
5. ES mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.4	.0
17. SE blk	.0	.0	.0	.0	.7	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.3	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	5	-150	5	0	* AG	921	3.2	.0	15.3
B. Broadway NBD	*	5	0	5	150	* AG	952	2.5	.0	13.5
C. Broadway NBL	*	2	-150	0	0	* AG	109	4.1	.0	10.0
D. Broadway SBA	*	-7	150	-7	0	* AG	607	3.2	.0	18.8
E. Broadway SBD	*	-7	0	-7	-150	* AG	730	2.5	.0	17.0
F. Broadway SBL	*	-2	150	0	0	* AG	45	4.1	.0	10.0
G. 20th Str EBA	*	-150	-5	0	-5	* AG	261	3.8	.0	15.3
H. 20th Str EBD	*	0	-5	150	-5	* AG	324	2.7	.0	13.5
I. 20th Str EBL	*	-150	-2	0	0	* AG	24	4.1	.0	10.0
J. 20th Str WBA	*	150	5	0	5	* AG	418	3.8	.0	15.3
K. 20th Str WBD	*	0	5	-150	5	* AG	442	2.7	.0	13.5
L. 20th Str WBL	*	150	2	0	0	* AG	63	4.1	.0	10.0
M. Broadwa NBAX	*	5	-750	5	-150	* AG	1030	2.4	.0	15.3
N. Broadwa NBDX	*	5	150	5	750	* AG	952	2.4	.0	13.5
O. Broadwa SBAX	*	-7	750	-7	150	* AG	652	2.4	.0	18.8
P. Broadwa SBDX	*	-7	-150	-7	-750	* AG	730	2.4	.0	17.0
Q. 20th St EBAX	*	-750	-5	-150	-5	* AG	285	2.4	.0	15.3
R. 20th St EBDX	*	150	-5	750	-5	* AG	324	2.4	.0	13.5
S. 20th St WBAX	*	750	5	150	5	* AG	481	2.4	.0	15.3
T. 20th St WBDX	*	-150	5	-750	5	* AG	442	2.4	.0	13.5

JOB: 19th Street
RUN: 2015nP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-14	1.8
2. NW	*	-18	14	1.8
3. SW	*	-17	-14	1.8
4. NE	*	14	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	14	600	1.8

JOB: 19th Street
RUN: 2015nP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.6	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	172.	.6	.0	.0	.0	.0	.2	.0	.0	.0
3. SW	7.	.6	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	187.	.8	.3	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.4	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	96.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.4	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	263.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.7	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.5	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	8.	.5	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	187.	.6	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.6	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	852	4.3	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	801	3.6	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	342	4.4	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	614	4.0	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	660	2.8	.0	11.8
F. Broadway SBL	*	-5	150	0	0	* AG	58	4.1	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	529	3.2	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	718	2.5	.0	11.8
I. Grand Av EBL	*	-150	-5	0	0	* AG	86	4.1	.0	10.0
J. Grand Av WBA	*	150	5	0	5	* AG	402	3.2	.0	15.3
K. Grand Av WBD	*	0	5	-150	5	* AG	816	2.5	.0	13.5
L. Grand Av WBL	*	150	2	0	0	* AG	112	4.1	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	1194	2.4	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	801	2.4	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	672	2.4	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	660	2.4	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	615	2.4	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	718	2.4	.0	11.8
S. Grand A WBAX	*	750	5	150	5	* AG	514	2.4	.0	15.3
T. Grand A WBDX	*	-150	5	-750	5	* AG	816	2.4	.0	13.5

JOB: 19th Street
RUN: 2015nP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	14	1.8
3. SW	*	-16	-17	1.8
4. NE	*	15	14	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	15	600	1.8

JOB: 19th Street
RUN: 2015nP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	.8	.1	.3	.0	.0	.0	.0	.0	.1
2. NW	169.	.8	.1	.0	.0	.0	.2	.0	.0	.0
3. SW	8.	.7	.0	.0	.0	.3	.0	.0	.1	.0
4. NE	187.	.9	.4	.0	.1	.0	.0	.0	.0	.0
5. ES mdblk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	98.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.5	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.9	.5	.0	.1	.0	.0	.0	.0	.0
10. NW mdblk	172.	.7	.0	.0	.0	.3	.0	.0	.0	.0
11. SW mdblk	9.	.7	.1	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	187.	.7	.0	.4	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.6	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	722	4.2	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	1061	4.1	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	175	4.1	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	778	4.2	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	807	3.6	.0	10.0
F. Broadway SBL	*	-5	150	0	0	* AG	202	4.3	.0	10.0
G. 27th Str EBA	*	-150	-7	0	-7	* AG	328	3.2	.0	18.8
H. 27th Str EBD	*	0	-7	150	-7	* AG	489	2.5	.0	17.0
I. 27th Str EBL	*	-150	-2	0	0	* AG	91	4.1	.0	10.0
J. 27th Str WBA	*	150	7	0	7	* AG	721	3.2	.0	15.3
K. 27th Str WBD	*	0	7	-150	7	* AG	708	2.5	.0	11.8
L. 27th Str WBL	*	150	2	0	0	* AG	48	4.1	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	897	2.4	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	1061	2.4	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	980	2.4	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	807	2.4	.0	10.0
Q. 27th St EBAX	*	-750	-7	-150	-7	* AG	419	2.4	.0	18.8
R. 27th St EBDX	*	150	-7	750	-7	* AG	489	2.4	.0	17.0
S. 27th St WBAX	*	750	7	150	7	* AG	769	2.4	.0	15.3
T. 27th St WBDX	*	-150	7	-750	7	* AG	708	2.4	.0	11.8

JOB: 19th Street
RUN: 2015nP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-17	14	1.8
3. SW	*	-15	-18	1.8
4. NE	*	15	16	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-18	1.8
8. EN mdblk	*	150	16	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-18	1.8
16. EN blk	*	600	16	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	15	600	1.8

JOB: 19th Street
RUN: 2015nP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	1.0	.1	.4	.0	.1	.0	.0	.0	.0
2. NW	170.	.8	.1	.0	.0	.0	.3	.0	.0	.0
3. SW	8.	.9	.0	.1	.0	.3	.1	.0	.0	.0
4. NE	189.	.9	.3	.2	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.5	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.5	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	263.	.6	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.8	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	171.	.8	.0	.1	.0	.4	.0	.0	.0	.0
11. SW mdblk	8.	.8	.0	.1	.0	.0	.4	.0	.0	.0
12. NE mdblk	188.	1.0	.0	.6	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.4	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.4	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.6	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.6	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.6	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	601	3.2	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	736	2.5	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	99	4.1	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	560	3.2	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	503	2.5	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	144	4.1	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	756	4.2	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	901	3.6	.0	10.0
I. Grand Av EBL	*	-150	-5	0	0	* AG	29	4.1	.0	10.0
J. Grand Av WBA	*	150	9	0	9	* AG	1034	4.2	.0	13.5
K. Grand Av WBD	*	0	9	-150	9	* AG	1103	3.0	.0	11.8
L. Grand Av WBL	*	150	5	0	0	* AG	20	4.1	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	700	2.4	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	736	2.4	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	704	2.4	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	503	2.4	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	785	2.4	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	901	2.4	.0	10.0
S. Grand A WBAX	*	750	9	150	9	* AG	1054	2.4	.0	13.5
T. Grand A WBDX	*	-150	9	-750	9	* AG	1103	2.4	.0	11.8

JOB: 19th Street
RUN: 2015nP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-15	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-15	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-15	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: 19th Street
RUN: 2015nP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.9	.1	.0	.0	.0	.0	.0	.3	.1
2. NW	98.	1.0	.0	.0	.0	.1	.0	.0	.0	.0
3. SW	80.	.9	.0	.0	.0	.0	.0	.0	.1	.3
4. NE	260.	.9	.0	.1	.0	.0	.0	.0	.1	.0
5. ES mdblk	278.	.8	.0	.0	.0	.0	.0	.0	.0	.5
6. WN mdblk	97.	.8	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.8	.0	.0	.0	.0	.0	.0	.4	.0
8. EN mdblk	262.	.9	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.6	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.6	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	7.	.5	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	187.	.6	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.6	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.4	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	554	3.4	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	838	2.6	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	210	4.3	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	845	3.5	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	686	2.6	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	139	4.1	.0	10.0
G. 27th Str EBA	*	-150	-9	0	-9	* AG	555	3.4	.0	13.5
H. 27th Str EBD	*	0	-9	150	-9	* AG	602	2.6	.0	11.8
I. 27th Str EBL	*	-150	-5	0	0	* AG	215	4.3	.0	10.0
J. 27th Str WBA	*	150	9	0	9	* AG	777	3.5	.0	13.5
K. 27th Str WBD	*	0	9	-150	9	* AG	1235	2.6	.0	11.8
L. 27th Str WBL	*	150	5	0	0	* AG	66	4.1	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	764	2.4	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	838	2.4	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	984	2.4	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	686	2.4	.0	11.8
Q. 27th St EBAX	*	-750	-9	-150	-9	* AG	770	2.4	.0	13.5
R. 27th St EBDX	*	150	-9	750	-9	* AG	602	2.4	.0	11.8
S. 27th St WBAX	*	750	9	150	9	* AG	843	2.4	.0	13.5
T. 27th St WBDX	*	-150	9	-750	9	* AG	1235	2.4	.0	11.8

JOB: 19th Street
RUN: 2015nP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: 19th Street
RUN: 2015nP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.8	.1	.0	.0	.0	.0	.0	.2	.0
2. NW	98.	.8	.0	.0	.0	.2	.0	.0	.0	.0
3. SW	7.	.9	.0	.0	.0	.3	.0	.0	.1	.0
4. NE	262.	.9	.0	.1	.0	.1	.0	.0	.0	.0
5. ES mdblk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	98.	.7	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	81.	.6	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.7	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.6	.3	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.7	.0	.0	.0	.4	.0	.0	.0	.0
11. SW mdblk	7.	.6	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	188.	.6	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.7	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.6	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.6	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
2. NW	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Northgat NBA	*	4	-150	4	0	* AG	2	3.8	.0	10.0
B. Northgat NBD	*	4	0	4	150	* AG	785	4.3	.0	10.0
C. Northgat NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Northgat SBA	*	-5	150	-5	0	* AG	112	3.8	.0	10.0
E. Northgat SBD	*	-5	0	-5	-150	* AG	2	2.7	.0	10.0
F. Northgat SBL	*	-5	150	0	0	* AG	206	4.1	.0	10.0
G. West Gra EBA	*	-150	-7	0	-7	* AG	605	3.3	.0	10.0
H. West Gra EBD	*	0	-7	150	-7	* AG	811	2.5	.0	10.0
I. West Gra EBL	*	-150	-5	0	0	* AG	291	4.3	.0	10.0
J. West Gra WBA	*	150	5	0	5	* AG	1151	3.4	.0	13.5
K. West Gra WBD	*	0	5	-150	5	* AG	769	2.5	.0	10.0
L. West Gra WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Northga NBAX	*	4	-750	4	-150	* AG	2	2.4	.0	10.0
N. Northga NBDX	*	4	150	4	750	* AG	785	2.4	.0	10.0
O. Northga SBAX	*	-5	750	-5	150	* AG	318	2.4	.0	10.0
P. Northga SBDX	*	-5	-150	-5	-750	* AG	2	2.4	.0	10.0
Q. West Gr EBAX	*	-750	-7	-150	-7	* AG	896	2.4	.0	10.0
R. West Gr EBDX	*	150	-7	750	-7	* AG	811	2.4	.0	10.0
S. West Gr WBAX	*	750	5	150	5	* AG	1151	2.4	.0	13.5
T. West Gr WBDX	*	-150	5	-750	5	* AG	769	2.4	.0	10.0

JOB: 19th Street
RUN: 2015nP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-14	1.8
2. NW	*	-12	12	1.8
3. SW	*	-12	-14	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-12	150	1.8
11. SW mdblk	*	-12	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: 2015nP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	353.	.9	.0	.4	.0	.0	.0	.0	.0	.1
2. NW	96.	.9	.0	.1	.0	.0	.0	.0	.0	.0
3. SW	8.	.7	.0	.2	.0	.0	.0	.0	.1	.0
4. NE	260.	.8	.0	.2	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.6	.0	.0	.0	.0	.0	.0	.0	.3
6. WN mdblk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.7	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.8	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	358.	.3	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	167.	.5	.0	.2	.0	.0	.0	.1	.0	.0
11. SW mdblk	3.	.3	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	191.	.7	.0	.5	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.6	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	359.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	1.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2015nP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	7	-150	7	0	* AG	1117	3.2	.0	17.0
B. Oak Stre NBD	*	7	0	7	150	* AG	1188	2.5	.0	17.0
C. Oak Stre NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	2.4	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 11th Str EBA	*	-150	-4	0	-4	* AG	0	2.4	.0	10.0
H. 11th Str EBD	*	0	-4	150	-4	* AG	0	2.4	.0	10.0
I. 11th Str EBL	*	-150	-5	0	0	* AG	71	4.1	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	2.4	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	2.4	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Oak Str NBAX	*	7	-750	7	-150	* AG	1117	2.4	.0	17.0
N. Oak Str NBDX	*	7	150	7	750	* AG	1188	2.4	.0	17.0
O. Oak Str SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	2.4	.0	10.0
Q. 11th St EBAX	*	-750	-4	-150	-4	* AG	71	2.4	.0	10.0
R. 11th St EBDX	*	150	-4	750	-4	* AG	0	2.4	.0	10.0
S. 11th St WBAX	*	750	0	150	0	* AG	0	2.4	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	2.4	.0	10.0

JOB: Project Name
RUN: 2015wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-10	1.8
2. NW	*	-7	7	1.8
3. SW	*	-7	-10	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-10	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-10	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-10	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-10	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	17	600	1.8

JOB: Project Name
RUN: 2015wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	187.	.5	.4	.0	.0	.0	.0	.0	.0	.0
2. NW	172.	.4	.3	.0	.0	.0	.0	.0	.0	.0
3. SW	172.	.3	.3	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.5	.4	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	271.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	100.	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.5	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.3	.0	.2	.0	.0	.0	.0	.0	.0
11. SW mdblk	7.	.4	.2	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.4	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	268.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	86.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.4	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	1022	3.5	.0	18.8
B. Oak Stre NBD	*	9	0	9	150	* AG	1084	2.6	.0	18.8
C. Oak Stre NBL	*	2	-150	0	0	* AG	283	4.3	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	2.4	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	1116	3.5	.0	20.5
K. 12th Str WBD	*	0	9	-150	9	* AG	1337	2.6	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	1305	2.4	.0	18.8
N. Oak Str NBDX	*	9	150	9	750	* AG	1084	2.4	.0	18.8
O. Oak Str SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	2.4	.0	10.0
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	1116	2.4	.0	20.5
T. 12th St WBDX	*	-150	9	-750	9	* AG	1337	2.4	.0	18.8

JOB: Project Name
RUN: 2015wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-7	1.8
2. NW	*	-7	20	1.8
3. SW	*	-7	-7	1.8
4. NE	*	20	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	20	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	20	600	1.8

JOB: Project Name
RUN: 2015wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.6	.2	.0	.0	.0	.0	.0	.0	.0
2. NW	173.	.7	.2	.0	.1	.0	.0	.0	.0	.0
3. SW	80.	.6	.2	.0	.0	.0	.0	.0	.0	.0
4. NE	188.	.7	.3	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.4	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	97.	.5	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.4	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.6	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.6	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.4	.0	.2	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.5	.2	.0	.2	.0	.0	.0	.0	.0
12. NE mdblk	186.	.5	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	712	3.2	.0	22.3
B. Oak Stre NBD	*	9	0	9	150	* AG	1007	2.5	.0	20.5
C. Oak Stre NBL	*	2	-150	0	0	* AG	205	4.3	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	2.4	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	953	4.2	.0	11.8
H. 14th Str EBD	*	0	-5	150	-5	* AG	995	3.0	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	66	4.1	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	712	4.2	.0	13.5
K. 14th Str WBD	*	0	5	-150	5	* AG	646	3.0	.0	10.0
L. 14th Str WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	917	2.4	.0	22.3
N. Oak Str NBDX	*	9	150	9	750	* AG	1007	2.4	.0	20.5
O. Oak Str SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	2.4	.0	10.0
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	1019	2.4	.0	11.8
R. 14th St EBDX	*	150	-5	750	-5	* AG	995	2.4	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	712	2.4	.0	13.5
T. 14th St WBDX	*	-150	5	-750	5	* AG	646	2.4	.0	10.0

JOB: Project Name
RUN: 2015wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	21	-13	1.8
2. NW	*	-7	12	1.8
3. SW	*	-7	-13	1.8
4. NE	*	21	14	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-13	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	21	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	21	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-13	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	21	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	21	600	1.8

JOB: Project Name
RUN: 2015wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.9	.1	.0	.0	.0	.0	.0	.4	.1
2. NW	97.	.8	.0	.1	.0	.0	.0	.0	.0	.1
3. SW	82.	.8	.1	.0	.0	.0	.0	.0	.0	.4
4. NE	260.	.8	.0	.1	.0	.0	.0	.0	.2	.0
5. ES mdblk	277.	.7	.0	.0	.0	.0	.0	.0	.0	.4
6. WN mdblk	98.	.7	.0	.0	.0	.0	.0	.0	.2	.0
7. WS mdblk	83.	.9	.0	.0	.0	.0	.0	.0	.5	.0
8. EN mdblk	262.	.7	.0	.0	.0	.0	.0	.0	.0	.1
9. SE mdblk	353.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.4	.0	.1	.0	.0	.0	.0	.0	.0
11. SW mdblk	7.	.5	.2	.0	.1	.0	.0	.0	.0	.0
12. NE mdblk	186.	.5	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.4	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	2.4	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	1527	4.2	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	1880	3.6	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	472	4.4	.0	10.0
G. 7th Stre EBA	*	-150	-9	0	-9	* AG	1523	3.3	.0	20.5
H. 7th Stre EBD	*	0	-9	150	-9	* AG	1642	2.5	.0	18.8
I. 7th Stre EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 7th Stre WBA	*	150	0	0	0	* AG	0	2.4	.0	10.0
K. 7th Stre WBD	*	0	0	-150	0	* AG	0	2.4	.0	10.0
L. 7th Stre WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	2.4	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	1999	2.4	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1880	2.4	.0	15.3
Q. 7th Str EBAX	*	-750	-9	-150	-9	* AG	1523	2.4	.0	20.5
R. 7th Str EBDX	*	150	-9	750	-9	* AG	1642	2.4	.0	18.8
S. 7th Str WBAX	*	750	0	150	0	* AG	0	2.4	.0	10.0
T. 7th Str WBDX	*	-150	0	-750	0	* AG	0	2.4	.0	10.0

JOB: Project Name
RUN: 2015wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2015wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	1.0	.0	.0	.0	.4	.0	.2	.0	.2
2. NW	172.	1.1	.0	.0	.0	.0	.7	.0	.2	.0
3. SW	9.	1.3	.0	.0	.0	.6	.2	.1	.3	.0
4. NE	260.	.9	.0	.0	.0	.3	.0	.1	.4	.0
5. ES mdblk	276.	.7	.0	.0	.0	.0	.0	.0	.1	.4
6. WN mdblk	98.	.5	.0	.0	.0	.0	.0	.0	.3	.0
7. WS mdblk	83.	.7	.0	.0	.0	.0	.0	.0	.5	.0
8. EN mdblk	263.	.5	.0	.0	.0	.0	.0	.0	.1	.2
9. SE mdblk	353.	.7	.0	.0	.0	.1	.4	.0	.0	.0
10. NW mdblk	172.	1.1	.0	.0	.0	.7	.0	.1	.0	.0
11. SW mdblk	6.	1.0	.0	.0	.0	.1	.7	.0	.0	.0
12. NE mdblk	189.	.9	.0	.0	.0	.5	.0	.2	.0	.0
13. ES blk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.4	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.7	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	2.4	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	969	4.0	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	1170	2.8	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	51	4.1	.0	10.0
G. 11th Str EBA	*	-150	-9	0	-9	* AG	1211	3.2	.0	20.5
H. 11th Str EBD	*	0	-9	150	-9	* AG	1061	2.5	.0	18.8
I. 11th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	2.4	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	2.4	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	2.4	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	1020	2.4	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1170	2.4	.0	15.3
Q. 11th St EBAX	*	-750	-9	-150	-9	* AG	1211	2.4	.0	20.5
R. 11th St EBDX	*	150	-9	750	-9	* AG	1061	2.4	.0	18.8
S. 11th St WBAX	*	750	0	150	0	* AG	0	2.4	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	2.4	.0	10.0

JOB: Project Name
RUN: 2015wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2015wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	.6	.0	.0	.0	.0	.2	.0	.4	.0
2. NW	174.	.6	.0	.0	.0	.0	.3	.0	.2	.0
3. SW	8.	.7	.0	.0	.0	.4	.1	.0	.2	.0
4. NE	261.	.5	.0	.0	.0	.2	.0	.0	.3	.0
5. ES mdblk	276.	.4	.0	.0	.0	.0	.0	.0	.0	.3
6. WN mdblk	99.	.4	.0	.0	.0	.0	.0	.0	.3	.0
7. WS mdblk	82.	.5	.0	.0	.0	.0	.0	.0	.4	.0
8. EN mdblk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.1
9. SE mdblk	353.	.4	.0	.0	.0	.0	.2	.0	.0	.0
10. NW mdblk	173.	.6	.0	.0	.0	.5	.0	.0	.0	.0
11. SW mdblk	6.	.5	.0	.0	.0	.0	.4	.0	.0	.0
12. NE mdblk	188.	.5	.0	.0	.0	.3	.0	.0	.0	.0
13. ES blk	276.	.4	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.4	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	2.4	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	840	4.0	.0	17.0
E. Madison SBD	*	-7	0	-7	-150	* AG	1051	2.8	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	977	3.2	.0	18.8
K. 12th Str WBD	*	0	9	-150	9	* AG	1024	2.5	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	258	4.3	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	2.4	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	840	2.4	.0	17.0
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1051	2.4	.0	15.3
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	1235	2.4	.0	18.8
T. 12th St WBDX	*	-150	9	-750	9	* AG	1024	2.4	.0	18.8

JOB: Project Name
RUN: 2015wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-7	1.8
2. NW	*	-17	20	1.8
3. SW	*	-16	-7	1.8
4. NE	*	7	20	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	20	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	20	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2015wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	.5	.0	.0	.0	.3	.0	.0	.0	.0
2. NW	97.	.7	.0	.0	.0	.2	.0	.0	.0	.0
3. SW	83.	.6	.0	.0	.0	.0	.2	.0	.0	.0
4. NE	188.	.5	.0	.0	.0	.0	.2	.0	.0	.0
5. ES mdblk	279.	.5	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	262.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.3	.0	.0	.0	.0	.2	.0	.0	.0
10. NW mdblk	173.	.5	.0	.0	.0	.4	.0	.0	.0	.0
11. SW mdblk	7.	.5	.0	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	187.	.4	.0	.0	.0	.2	.0	.0	.0	.0
13. ES blk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.4	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	2.4	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Madison SBA	*	-9	150	-9	0	* AG	708	3.8	.0	15.3
E. Madison SBD	*	-9	0	-9	-150	* AG	806	2.8	.0	13.5
F. Madison SBL	*	-5	150	0	0	* AG	472	4.3	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	758	3.2	.0	13.5
H. 14th Str EBD	*	0	-5	150	-5	* AG	1141	2.5	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	582	3.2	.0	11.8
K. 14th Str WBD	*	0	5	-150	5	* AG	607	2.5	.0	11.8
L. 14th Str WBL	*	150	2	0	0	* AG	34	4.1	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	2.4	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Madison SBAX	*	-9	750	-9	150	* AG	1180	2.4	.0	15.3
P. Madison SBDX	*	-9	-150	-9	-750	* AG	806	2.4	.0	13.5
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	758	2.4	.0	13.5
R. 14th St EBDX	*	150	-5	750	-5	* AG	1141	2.4	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	616	2.4	.0	11.8
T. 14th St WBDX	*	-150	5	-750	5	* AG	607	2.4	.0	11.8

JOB: Project Name
RUN: 2015wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-18	13	1.8
3. SW	*	-17	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2015wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.8	.0	.0	.0	.2	.0	.3	.0	.2
2. NW	97.	.8	.0	.0	.0	.2	.0	.0	.0	.1
3. SW	7.	.7	.0	.0	.0	.3	.0	.1	.1	.0
4. NE	263.	.7	.0	.0	.0	.1	.0	.1	.1	.0
5. ES mdblk	278.	.7	.0	.0	.0	.0	.0	.0	.0	.4
6. WN mdblk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.6	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.6	.0	.0	.0	.0	.0	.0	.0	.1
9. SE mdblk	354.	.3	.0	.0	.0	.0	.1	.0	.0	.0
10. NW mdblk	170.	.6	.0	.0	.0	.3	.0	.2	.0	.0
11. SW mdblk	6.	.5	.0	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	189.	.5	.0	.0	.0	.2	.0	.2	.0	.0
13. ES blk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	4	-150	4	0	* AG	195	3.4	.0	10.0
B. Jackson NBD	*	4	0	4	150	* AG	201	2.5	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	33	4.1	.0	10.0
D. Jackson SBA	*	-4	150	-4	0	* AG	184	3.4	.0	10.0
E. Jackson SBD	*	-4	0	-4	-150	* AG	97	2.5	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	145	3.4	.0	15.3
K. 19th Str WBD	*	0	5	-150	5	* AG	269	2.5	.0	13.5
L. 19th Str WBL	*	150	2	0	0	* AG	10	4.1	.0	10.0
M. Jackson NBAX	*	4	-750	4	-150	* AG	228	2.4	.0	10.0
N. Jackson NBDX	*	4	150	4	750	* AG	201	2.4	.0	10.0
O. Jackson SBAX	*	-4	750	-4	150	* AG	184	2.4	.0	10.0
P. Jackson SBDX	*	-4	-150	-4	-750	* AG	97	2.4	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	155	2.4	.0	15.3
T. 19th St WBDX	*	-150	5	-750	5	* AG	269	2.4	.0	13.5

JOB: Project Name
RUN: 2015wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-10	14	1.8
3. SW	*	-10	-7	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-10	150	1.8
11. SW mdblk	*	-10	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	10	600	1.8

JOB: Project Name
RUN: 2015wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	353.	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	172.	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.1	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.1	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.1	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	.2	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	95.	.1	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	0	-150	0	0	* AG	1	3.8	.0	10.0
B. Jackson NBD	*	0	0	0	150	* AG	0	2.4	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	181	4.1	.0	10.0
D. Jackson SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Jackson SBD	*	0	0	0	-150	* AG	217	2.8	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. Lakeside EBA	*	-150	-5	0	-5	* AG	1070	3.3	.0	13.5
H. Lakeside EBD	*	0	-5	150	-5	* AG	856	2.5	.0	11.8
I. Lakeside EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. Lakeside WBA	*	150	5	0	5	* AG	828	3.2	.0	11.8
K. Lakeside WBD	*	0	5	-150	5	* AG	1009	2.5	.0	11.8
L. Lakeside WBL	*	150	2	0	0	* AG	2	4.1	.0	10.0
M. Jackson NBAX	*	0	-750	0	-150	* AG	182	2.4	.0	10.0
N. Jackson NBDX	*	0	150	0	750	* AG	0	2.4	.0	10.0
O. Jackson SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Jackson SBDX	*	0	-150	0	-750	* AG	217	2.4	.0	10.0
Q. Lakesid EBAX	*	-750	-5	-150	-5	* AG	1070	2.4	.0	13.5
R. Lakesid EBDX	*	150	-5	750	-5	* AG	856	2.4	.0	11.8
S. Lakesid WBAX	*	750	5	150	5	* AG	830	2.4	.0	11.8
T. Lakesid WBDX	*	-150	5	-750	5	* AG	1009	2.4	.0	11.8

JOB: Project Name
RUN: 2015wP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2015wP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.8	.0	.0	.0	.0	.0	.0	.5	.0
2. NW	262.	.6	.0	.0	.0	.0	.0	.0	.2	.0
3. SW	278.	.7	.0	.0	.0	.0	.0	.0	.4	.0
4. NE	263.	.6	.0	.0	.0	.0	.0	.0	.2	.0
5. ES mdblk	276.	.6	.0	.0	.0	.0	.0	.0	.0	.3
6. WN mdblk	98.	.7	.0	.0	.0	.0	.0	.0	.2	.0
7. WS mdblk	82.	.7	.0	.0	.0	.0	.0	.0	.4	.0
8. EN mdblk	263.	.7	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.0	.0	.2	.0	.0	.0	.0	.0
10. NW mdblk	179.	.2	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.3	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	182.	.2	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	181.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	182.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Alice St NBA	*	4	-150	4	0	* AG	0	2.4	.0	10.0
B. Alice St NBD	*	4	0	4	150	* AG	0	2.4	.0	10.0
C. Alice St NBL	*	5	-150	0	0	* AG	155	4.1	.0	10.0
D. Alice St SBA	*	0	150	0	0	* AG	0	2.4	.0	10.0
E. Alice St SBD	*	0	0	0	-150	* AG	46	2.7	.0	10.0
F. Alice St SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	223	3.2	.0	11.8
K. 19th Str WBD	*	0	5	-150	5	* AG	378	2.5	.0	11.8
L. 19th Str WBL	*	150	2	0	0	* AG	46	4.1	.0	10.0
M. Alice S NBAX	*	4	-750	4	-150	* AG	155	2.4	.0	10.0
N. Alice S NBDX	*	4	150	4	750	* AG	0	2.4	.0	10.0
O. Alice S SBAX	*	0	750	0	150	* AG	0	2.4	.0	10.0
P. Alice S SBDX	*	0	-150	0	-750	* AG	46	2.4	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	269	2.4	.0	11.8
T. 19th St WBDX	*	-150	5	-750	5	* AG	378	2.4	.0	11.8

JOB: Project Name
RUN: 2015wP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-7	1.8
4. NE	*	10	13	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	10	600	1.8

JOB: Project Name
RUN: 2015wP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.2	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.1	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.2	.0	.0	.1	.0	.0	.0	.0	.0
10. NW mdblk	178.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.1	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	182.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	275.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.1	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	179.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	180.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	492	3.4	.0	11.8
B. Harrison NBD	*	5	0	5	150	* AG	572	2.5	.0	11.8
C. Harrison NBL	*	2	-150	0	0	* AG	130	4.1	.0	10.0
D. Harrison SBA	*	-5	150	-5	0	* AG	92	3.4	.0	13.5
E. Harrison SBD	*	-5	0	-5	-150	* AG	114	2.5	.0	11.8
F. Harrison SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	2.4	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	2.4	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	2.4	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	743	3.4	.0	22.3
K. 12th Str WBD	*	0	9	-150	9	* AG	818	2.5	.0	20.5
L. 12th Str WBL	*	150	2	0	0	* AG	47	4.1	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	622	2.4	.0	11.8
N. Harriso NBDX	*	5	150	5	750	* AG	572	2.4	.0	11.8
O. Harriso SBAX	*	-5	750	-5	150	* AG	92	2.4	.0	13.5
P. Harriso SBDX	*	-5	-150	-5	-750	* AG	114	2.4	.0	11.8
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	2.4	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	2.4	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	790	2.4	.0	22.3
T. 12th St WBDX	*	-150	9	-750	9	* AG	818	2.4	.0	20.5

JOB: Project Name
RUN: 2015wP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	13	-7	1.8
2. NW	*	-14	21	1.8
3. SW	*	-13	-7	1.8
4. NE	*	13	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	21	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	13	-150	1.8
10. NW mdblk	*	-14	150	1.8
11. SW mdblk	*	-13	-150	1.8
12. NE mdblk	*	13	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	21	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	13	-600	1.8
18. NW blk	*	-14	600	1.8
19. SW blk	*	-13	-600	1.8
20. NE blk	*	13	600	1.8

JOB: Project Name
RUN: 2015wP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	354.	.4	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	97.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.4	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.5	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.3	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.3	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	856	3.2	.0	15.3
B. Harrison NBD	*	5	0	5	150	* AG	1347	2.5	.0	13.5
C. Harrison NBL	*	2	-150	0	0	* AG	230	4.3	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	698	3.2	.0	18.8
E. Harrison SBD	*	-9	0	-9	-150	* AG	357	2.5	.0	15.3
F. Harrison SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. 20th Str EBA	*	-150	-12	0	-12	* AG	158	3.8	.0	15.3
H. 20th Str EBD	*	0	-12	150	-12	* AG	0	2.4	.0	13.5
I. 20th Str EBL	*	-150	-9	0	0	* AG	491	4.1	.0	10.0
J. 20th Str WBA	*	150	9	0	9	* AG	0	2.4	.0	13.5
K. 20th Str WBD	*	0	9	-150	9	* AG	729	2.8	.0	11.8
L. 20th Str WBL	*	150	5	0	0	* AG	0	2.4	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	1086	2.4	.0	15.3
N. Harriso NBDX	*	5	150	5	750	* AG	1347	2.4	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	698	2.4	.0	18.8
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	357	2.4	.0	15.3
Q. 20th St EBAX	*	-750	-12	-150	-12	* AG	649	2.4	.0	15.3
R. 20th St EBDX	*	150	-12	750	-12	* AG	0	2.4	.0	13.5
S. 20th St WBAX	*	750	9	150	9	* AG	0	2.4	.0	13.5
T. 20th St WBDX	*	-150	9	-750	9	* AG	729	2.4	.0	11.8

JOB: Project Name
RUN: 2015wP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-21	1.8
2. NW	*	-20	16	1.8
3. SW	*	-18	-21	1.8
4. NE	*	14	17	1.8
5. ES mdblk	*	150	-21	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-20	150	1.8
11. SW mdblk	*	-18	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-21	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-20	600	1.8
19. SW blk	*	-18	-600	1.8
20. NE blk	*	14	600	1.8

JOB: Project Name
RUN: 2015wP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.6	.0	.3	.0	.0	.0	.0	.0	.0
2. NW	170.	.6	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	7.	.7	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	261.	.7	.0	.2	.0	.0	.0	.0	.0	.0
5. ES mdblk	275.	.3	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	103.	.5	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	73.	.4	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	266.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.7	.3	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.5	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	6.	.5	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	188.	.7	.0	.4	.0	.0	.0	.0	.0	.0
13. ES blk	272.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.4	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	82.	.4	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	269.	.1	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.7	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.1	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	845	3.2	.0	13.5
B. Harrison NBD	*	9	0	9	150	* AG	1977	2.6	.0	13.5
C. Harrison NBL	*	5	-150	0	0	* AG	299	4.3	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	1277	3.6	.0	20.5
E. Harrison SBD	*	-9	0	-9	-150	* AG	1036	2.6	.0	10.0
F. Harrison SBL	*	-2	150	0	0	* AG	0	2.4	.0	10.0
G. Lakeside EBA	*	-150	-11	0	-11	* AG	146	3.8	.0	10.0
H. Lakeside EBD	*	0	-11	150	-11	* AG	0	2.4	.0	10.0
I. Lakeside EBL	*	-150	-12	0	0	* AG	1132	4.4	.0	10.0
J. Lakeside WBA	*	150	0	0	0	* AG	0	2.4	.0	10.0
K. Lakeside WBD	*	0	0	-150	0	* AG	686	3.6	.0	10.0
L. Lakeside WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	1144	2.4	.0	13.5
N. Harriso NBDX	*	9	150	9	750	* AG	1977	2.4	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	1277	2.4	.0	20.5
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	1036	2.4	.0	10.0
Q. Lakesid EBAX	*	-750	-11	-150	-11	* AG	1278	2.4	.0	10.0
R. Lakesid EBDX	*	150	-11	750	-11	* AG	0	2.4	.0	10.0
S. Lakesid WBAX	*	750	0	150	0	* AG	0	2.4	.0	10.0
T. Lakesid WBDX	*	-150	0	-750	0	* AG	686	2.4	.0	10.0

JOB: Project Name
RUN: 2015wP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-21	7	1.8
3. SW	*	-15	-17	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-21	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-21	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	17	600	1.8

JOB: Project Name
RUN: 2015wP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.9	.2	.0	.0	.0	.0	.0	.0	.0
2. NW	169.	1.0	.0	.0	.0	.0	.2	.0	.0	.0
3. SW	7.	1.2	.0	.1	.0	.4	.0	.0	.0	.0
4. NE	263.	1.4	.0	.3	.0	.1	.0	.0	.0	.0
5. ES mdblk	273.	.4	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	102.	.8	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	78.	1.3	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	268.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.8	.3	.0	.0	.1	.0	.0	.0	.0
10. NW mdblk	172.	.8	.0	.0	.0	.5	.0	.0	.0	.0
11. SW mdblk	6.	.8	.0	.1	.0	.0	.3	.0	.0	.0
12. NE mdblk	190.	1.0	.0	.6	.0	.1	.0	.0	.0	.0
13. ES blk	272.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.7	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	270.	.1	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	353.	.7	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.6	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	188.	.9	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
4. NE	.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.9	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	2643	3.6	.0	18.8
B. Harrison NBD	*	9	0	9	150	* AG	1647	2.5	.0	15.3
C. Harrison NBL	*	2	-150	0	0	* AG	11	4.1	.0	10.0
D. Harrison SBA	*	-7	150	-7	0	* AG	774	3.2	.0	18.8
E. Harrison SBD	*	-7	0	-7	-150	* AG	1215	2.5	.0	17.0
F. Harrison SBL	*	-2	150	0	0	* AG	2	4.1	.0	10.0
G. Grand Av EBA	*	-150	-12	0	-12	* AG	854	4.3	.0	13.5
H. Grand Av EBD	*	0	-12	150	-12	* AG	1956	4.4	.0	10.0
I. Grand Av EBL	*	-150	-9	0	0	* AG	244	4.1	.0	10.0
J. Grand Av WBA	*	150	12	0	12	* AG	945	4.3	.0	13.5
K. Grand Av WBD	*	0	12	-150	12	* AG	1040	4.1	.0	10.0
L. Grand Av WBL	*	150	9	0	0	* AG	385	4.1	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	2654	2.4	.0	18.8
N. Harriso NBDX	*	9	150	9	750	* AG	1647	2.4	.0	15.3
O. Harriso SBAX	*	-7	750	-7	150	* AG	776	2.4	.0	18.8
P. Harriso SBDX	*	-7	-150	-7	-750	* AG	1215	2.4	.0	17.0
Q. Grand A EBAX	*	-750	-12	-150	-12	* AG	1098	2.4	.0	13.5
R. Grand A EBDX	*	150	-12	750	-12	* AG	1956	2.4	.0	10.0
S. Grand A WBAX	*	750	12	150	12	* AG	1330	2.4	.0	13.5
T. Grand A WBDX	*	-150	12	-750	12	* AG	1040	2.4	.0	10.0

JOB: Project Name
RUN: 2015wP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-19	1.8
2. NW	*	-18	19	1.8
3. SW	*	-17	-21	1.8
4. NE	*	18	21	1.8
5. ES mdblk	*	150	-19	1.8
6. WN mdblk	*	-150	19	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	18	150	1.8
13. ES blk	*	600	-19	1.8
14. WN blk	*	-600	19	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	18	600	1.8

JOB: Project Name
RUN: 2015wP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	287.	1.7	.5	.0	.0	.0	.1	.0	.2	.6
2. NW	100.	1.3	.0	.1	.0	.1	.0	.0	.0	.2
3. SW	80.	1.6	.3	.0	.0	.0	.2	.0	.1	.7
4. NE	187.	1.7	.8	.1	.0	.0	.0	.0	.0	.2
5. ES mdblk	279.	1.6	.0	.0	.0	.0	.0	.0	.0	1.1
6. WN mdblk	98.	1.2	.0	.0	.0	.0	.0	.0	.0	.2
7. WS mdblk	83.	1.0	.0	.0	.0	.0	.0	.0	.5	.1
8. EN mdblk	258.	1.1	.0	.0	.0	.0	.0	.0	.0	.2
9. SE mdblk	351.	1.4	1.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.9	.2	.0	.0	.3	.0	.0	.0	.0
11. SW mdblk	13.	1.0	.3	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	186.	1.0	.2	.4	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.9	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.7	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.7	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.8	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	353.	1.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.7	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	8.	.9	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.8	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.4	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
4. NE	.0	.2	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0
5. ES mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.5	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.5	.0
17. SE blk	.0	.0	.0	.0	.7	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.3	.0	.0	.4	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.5	.1	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	5	-150	5	0	* AG	921	3.2	.0	15.3
B. Broadway NBD	*	5	0	5	150	* AG	963	2.5	.0	13.5
C. Broadway NBL	*	2	-150	0	0	* AG	109	4.1	.0	10.0
D. Broadway SBA	*	-7	150	-7	0	* AG	607	3.2	.0	18.8
E. Broadway SBD	*	-7	0	-7	-150	* AG	730	2.5	.0	17.0
F. Broadway SBL	*	-2	150	0	0	* AG	50	4.1	.0	10.0
G. 20th Str EBA	*	-150	-5	0	-5	* AG	261	3.8	.0	15.3
H. 20th Str EBD	*	0	-5	150	-5	* AG	329	2.7	.0	13.5
I. 20th Str EBL	*	-150	-2	0	0	* AG	24	4.1	.0	10.0
J. 20th Str WBA	*	150	5	0	5	* AG	431	3.8	.0	15.3
K. 20th Str WBD	*	0	5	-150	5	* AG	444	2.7	.0	13.5
L. 20th Str WBL	*	150	2	0	0	* AG	63	4.1	.0	10.0
M. Broadwa NBAX	*	5	-750	5	-150	* AG	1030	2.4	.0	15.3
N. Broadwa NBDX	*	5	150	5	750	* AG	963	2.4	.0	13.5
O. Broadwa SBAX	*	-7	750	-7	150	* AG	657	2.4	.0	18.8
P. Broadwa SBDX	*	-7	-150	-7	-750	* AG	730	2.4	.0	17.0
Q. 20th St EBAX	*	-750	-5	-150	-5	* AG	285	2.4	.0	15.3
R. 20th St EBDX	*	150	-5	750	-5	* AG	329	2.4	.0	13.5
S. 20th St WBAX	*	750	5	150	5	* AG	494	2.4	.0	15.3
T. 20th St WBDX	*	-150	5	-750	5	* AG	444	2.4	.0	13.5

JOB: Project Name
RUN: 2015wP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-14	1.8
2. NW	*	-18	14	1.8
3. SW	*	-17	-14	1.8
4. NE	*	14	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	14	600	1.8

JOB: Project Name
RUN: 2015wP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.7	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	172.	.6	.0	.0	.0	.0	.2	.0	.0	.0
3. SW	8.	.6	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	187.	.8	.3	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.4	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	96.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.4	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	263.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.7	.3	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.5	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	8.	.5	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	187.	.6	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.6	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	854	4.3	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	803	3.6	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	351	4.4	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	619	4.0	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	665	2.8	.0	11.8
F. Broadway SBL	*	-5	150	0	0	* AG	58	4.1	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	577	3.2	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	766	2.5	.0	11.8
I. Grand Av EBL	*	-150	-5	0	0	* AG	86	4.1	.0	10.0
J. Grand Av WBA	*	150	5	0	5	* AG	402	3.2	.0	15.3
K. Grand Av WBD	*	0	5	-150	5	* AG	825	2.5	.0	13.5
L. Grand Av WBL	*	150	2	0	0	* AG	112	4.1	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	1205	2.4	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	803	2.4	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	677	2.4	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	665	2.4	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	663	2.4	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	766	2.4	.0	11.8
S. Grand A WBAX	*	750	5	150	5	* AG	514	2.4	.0	15.3
T. Grand A WBDX	*	-150	5	-750	5	* AG	825	2.4	.0	13.5

JOB: Project Name
RUN: 2015wP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	14	1.8
3. SW	*	-16	-17	1.8
4. NE	*	15	14	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	15	600	1.8

JOB: Project Name
RUN: 2015wP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.8	.2	.0	.0	.0	.0	.0	.2	.0
2. NW	169.	.8	.1	.0	.1	.0	.2	.0	.0	.0
3. SW	8.	.7	.0	.0	.0	.3	.0	.0	.1	.0
4. NE	187.	.9	.4	.0	.1	.0	.0	.0	.0	.0
5. ES mdblk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.3
6. WN mdblk	98.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.6	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.9	.5	.0	.1	.0	.0	.0	.0	.0
10. NW mdblk	172.	.7	.0	.0	.0	.3	.0	.0	.0	.0
11. SW mdblk	9.	.7	.1	.0	.0	.0	.3	.0	.0	.0
12. NE mdblk	187.	.8	.0	.4	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.6	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0
17. SE blk	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.2	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	724	4.2	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	1063	4.1	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	175	4.1	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	783	4.2	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	812	3.6	.0	10.0
F. Broadway SBL	*	-5	150	0	0	* AG	202	4.3	.0	10.0
G. 27th Str EBA	*	-150	-7	0	-7	* AG	328	3.2	.0	18.8
H. 27th Str EBD	*	0	-7	150	-7	* AG	489	2.5	.0	17.0
I. 27th Str EBL	*	-150	-2	0	0	* AG	91	4.1	.0	10.0
J. 27th Str WBA	*	150	7	0	7	* AG	734	3.2	.0	15.3
K. 27th Str WBD	*	0	7	-150	7	* AG	721	2.5	.0	11.8
L. 27th Str WBL	*	150	2	0	0	* AG	48	4.1	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	899	2.4	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	1063	2.4	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	985	2.4	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	812	2.4	.0	10.0
Q. 27th St EBAX	*	-750	-7	-150	-7	* AG	419	2.4	.0	18.8
R. 27th St EBDX	*	150	-7	750	-7	* AG	489	2.4	.0	17.0
S. 27th St WBAX	*	750	7	150	7	* AG	782	2.4	.0	15.3
T. 27th St WBDX	*	-150	7	-750	7	* AG	721	2.4	.0	11.8

JOB: Project Name
RUN: 2015wP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-17	14	1.8
3. SW	*	-15	-18	1.8
4. NE	*	15	16	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-18	1.8
8. EN mdblk	*	150	16	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-18	1.8
16. EN blk	*	600	16	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	15	600	1.8

JOB: Project Name
RUN: 2015wP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	1.0	.1	.4	.0	.1	.0	.0	.0	.0
2. NW	170.	.8	.1	.0	.0	.0	.3	.0	.0	.0
3. SW	8.	.9	.0	.1	.0	.3	.1	.0	.0	.0
4. NE	189.	.9	.3	.2	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.5	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.5	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	263.	.6	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.8	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	171.	.9	.0	.1	.0	.4	.0	.0	.0	.0
11. SW mdblk	8.	.8	.0	.1	.0	.0	.4	.0	.0	.0
12. NE mdblk	188.	1.0	.0	.6	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.4	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.4	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.6	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.6	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.6	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	603	3.2	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	738	2.5	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	99	4.1	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	560	3.2	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	503	2.5	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	149	4.1	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	799	4.2	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	949	3.6	.0	10.0
I. Grand Av EBL	*	-150	-5	0	0	* AG	29	4.1	.0	10.0
J. Grand Av WBA	*	150	9	0	9	* AG	1043	4.2	.0	13.5
K. Grand Av WBD	*	0	9	-150	9	* AG	1112	3.0	.0	11.8
L. Grand Av WBL	*	150	5	0	0	* AG	20	4.1	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	702	2.4	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	738	2.4	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	709	2.4	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	503	2.4	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	828	2.4	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	949	2.4	.0	10.0
S. Grand A WBAX	*	750	9	150	9	* AG	1063	2.4	.0	13.5
T. Grand A WBDX	*	-150	9	-750	9	* AG	1112	2.4	.0	11.8

JOB: Project Name
RUN: 2015wP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-15	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-15	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-15	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: Project Name
RUN: 2015wP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.9	.1	.0	.0	.0	.0	.0	.4	.1
2. NW	98.	1.0	.0	.0	.0	.1	.0	.0	.0	.0
3. SW	80.	.9	.0	.0	.0	.0	.0	.0	.1	.3
4. NE	260.	.9	.0	.1	.0	.0	.0	.0	.1	.0
5. ES mdblk	278.	.9	.0	.0	.0	.0	.0	.0	.0	.5
6. WN mdblk	97.	.8	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.8	.0	.0	.0	.0	.0	.0	.4	.0
8. EN mdblk	262.	.9	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.6	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.6	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	7.	.5	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	187.	.6	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.6	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.4	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.5	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	556	3.4	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	840	2.6	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	210	4.3	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	850	3.5	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	691	2.6	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	139	4.1	.0	10.0
G. 27th Str EBA	*	-150	-9	0	-9	* AG	555	3.4	.0	13.5
H. 27th Str EBD	*	0	-9	150	-9	* AG	602	2.6	.0	11.8
I. 27th Str EBL	*	-150	-5	0	0	* AG	215	4.3	.0	10.0
J. 27th Str WBA	*	150	9	0	9	* AG	790	3.5	.0	13.5
K. 27th Str WBD	*	0	9	-150	9	* AG	1248	2.6	.0	11.8
L. 27th Str WBL	*	150	5	0	0	* AG	66	4.1	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	766	2.4	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	840	2.4	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	989	2.4	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	691	2.4	.0	11.8
Q. 27th St EBAX	*	-750	-9	-150	-9	* AG	770	2.4	.0	13.5
R. 27th St EBDX	*	150	-9	750	-9	* AG	602	2.4	.0	11.8
S. 27th St WBAX	*	750	9	150	9	* AG	856	2.4	.0	13.5
T. 27th St WBDX	*	-150	9	-750	9	* AG	1248	2.4	.0	11.8

JOB: Project Name
RUN: 2015wP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: Project Name
RUN: 2015wP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.8	.1	.0	.0	.0	.0	.0	.2	.0
2. NW	98.	.9	.0	.0	.0	.2	.0	.0	.0	.0
3. SW	7.	.9	.0	.0	.0	.3	.0	.0	.1	.0
4. NE	262.	.9	.0	.1	.0	.1	.0	.0	.0	.0
5. ES mdblk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	98.	.7	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	81.	.6	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.7	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.6	.3	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.7	.0	.0	.0	.4	.0	.0	.0	.0
11. SW mdblk	7.	.6	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	188.	.6	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.7	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.5	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.5	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.6	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.5	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.6	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
2. NW	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.2
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Northgat NBA	*	4	-150	4	0	* AG	2	3.8	.0	10.0
B. Northgat NBD	*	4	0	4	150	* AG	785	4.3	.0	10.0
C. Northgat NBL	*	2	-150	0	0	* AG	0	2.4	.0	10.0
D. Northgat SBA	*	-5	150	-5	0	* AG	112	3.8	.0	10.0
E. Northgat SBD	*	-5	0	-5	-150	* AG	2	2.7	.0	10.0
F. Northgat SBL	*	-5	150	0	0	* AG	231	4.1	.0	10.0
G. West Gra EBA	*	-150	-7	0	-7	* AG	623	3.3	.0	10.0
H. West Gra EBD	*	0	-7	150	-7	* AG	854	2.5	.0	10.0
I. West Gra EBL	*	-150	-5	0	0	* AG	291	4.3	.0	10.0
J. West Gra WBA	*	150	5	0	5	* AG	1160	3.4	.0	13.5
K. West Gra WBD	*	0	5	-150	5	* AG	778	2.5	.0	10.0
L. West Gra WBL	*	150	2	0	0	* AG	0	2.4	.0	10.0
M. Northga NBAX	*	4	-750	4	-150	* AG	2	2.4	.0	10.0
N. Northga NBDX	*	4	150	4	750	* AG	785	2.4	.0	10.0
O. Northga SBAX	*	-5	750	-5	150	* AG	343	2.4	.0	10.0
P. Northga SBDX	*	-5	-150	-5	-750	* AG	2	2.4	.0	10.0
Q. West Gr EBAX	*	-750	-7	-150	-7	* AG	914	2.4	.0	10.0
R. West Gr EBDX	*	150	-7	750	-7	* AG	854	2.4	.0	10.0
S. West Gr WBAX	*	750	5	150	5	* AG	1160	2.4	.0	13.5
T. West Gr WBDX	*	-150	5	-750	5	* AG	778	2.4	.0	10.0

JOB: Project Name
RUN: 2015wP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-14	1.8
2. NW	*	-12	12	1.8
3. SW	*	-12	-14	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-12	150	1.8
11. SW mdblk	*	-12	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	10	600	1.8

JOB: Project Name
RUN: 2015wP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	353.	.9	.0	.4	.0	.0	.0	.0	.0	.1
2. NW	96.	.9	.0	.1	.0	.0	.0	.0	.0	.0
3. SW	8.	.7	.0	.2	.0	.0	.0	.0	.1	.0
4. NE	260.	.8	.0	.2	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.7	.0	.0	.0	.0	.0	.0	.0	.3
6. WN mdblk	96.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.7	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.8	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	358.	.3	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	167.	.5	.0	.2	.0	.0	.0	.1	.0	.0
11. SW mdblk	3.	.3	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	191.	.7	.0	.5	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.6	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.5	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.6	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.6	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	359.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.4	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	1.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2015wP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	7	-150	7	0	* AG	1262	1.4	.0	17.0
B. Oak Stre NBD	*	7	0	7	150	* AG	1349	1.1	.0	17.0
C. Oak Stre NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	1.0	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 11th Str EBA	*	-150	-4	0	-4	* AG	0	1.0	.0	10.0
H. 11th Str EBD	*	0	-4	150	-4	* AG	0	1.0	.0	10.0
I. 11th Str EBL	*	-150	-5	0	0	* AG	87	1.6	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	1.0	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	1.0	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Oak Str NBAX	*	7	-750	7	-150	* AG	1262	1.0	.0	17.0
N. Oak Str NBDX	*	7	150	7	750	* AG	1349	1.0	.0	17.0
O. Oak Str SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	1.0	.0	10.0
Q. 11th St EBAX	*	-750	-4	-150	-4	* AG	87	1.0	.0	10.0
R. 11th St EBDX	*	150	-4	750	-4	* AG	0	1.0	.0	10.0
S. 11th St WBAX	*	750	0	150	0	* AG	0	1.0	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	1.0	.0	10.0

JOB: Project Name
RUN: 2030nP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-10	1.8
2. NW	*	-7	7	1.8
3. SW	*	-7	-10	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-10	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-10	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-10	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-10	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	17	600	1.8

JOB: Project Name
RUN: 2030nP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	188.	.2	.2	.0	.0	.0	.0	.0	.0	.0
2. NW	171.	.2	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	171.	.2	.1	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.2	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	271.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	100.	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.2	.1	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	268.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	86.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.1	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	0	1.0	.0	18.8
B. Oak Stre NBD	*	9	0	9	150	* AG	76	1.1	.0	18.8
C. Oak Stre NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	1.0	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	1365	1.4	.0	20.5
K. 12th Str WBD	*	0	9	-150	9	* AG	1289	1.1	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	0	1.0	.0	18.8
N. Oak Str NBDX	*	9	150	9	750	* AG	76	1.0	.0	18.8
O. Oak Str SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	1.0	.0	10.0
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	1365	1.0	.0	20.5
T. 12th St WBDX	*	-150	9	-750	9	* AG	1289	1.0	.0	18.8

JOB: Project Name
RUN: 2030nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-7	1.8
2. NW	*	-7	20	1.8
3. SW	*	-7	-7	1.8
4. NE	*	20	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	20	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	20	600	1.8

JOB: Project Name
RUN: 2030nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	80.	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	81.	.2	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	279.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	359.	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	165.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	5.	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	2.	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	184.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	791	1.3	.0	22.3
B. Oak Stre NBD	*	9	0	9	150	* AG	1154	1.1	.0	20.5
C. Oak Stre NBL	*	2	-150	0	0	* AG	239	1.7	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	1.0	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	1166	1.6	.0	11.8
H. 14th Str EBD	*	0	-5	150	-5	* AG	1215	1.4	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	81	1.6	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	871	1.7	.0	13.5
K. 14th Str WBD	*	0	5	-150	5	* AG	779	1.2	.0	10.0
L. 14th Str WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	1030	1.0	.0	22.3
N. Oak Str NBDX	*	9	150	9	750	* AG	1154	1.0	.0	20.5
O. Oak Str SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	1.0	.0	10.0
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	1247	1.0	.0	11.8
R. 14th St EBDX	*	150	-5	750	-5	* AG	1215	1.0	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	871	1.0	.0	13.5
T. 14th St WBDX	*	-150	5	-750	5	* AG	779	1.0	.0	10.0

JOB: Project Name
RUN: 2030nP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	21	-13	1.8
2. NW	*	-7	12	1.8
3. SW	*	-7	-13	1.8
4. NE	*	21	14	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-13	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	21	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	21	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-13	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	21	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	21	600	1.8

JOB: Project Name
RUN: 2030nP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.4	.0	.0	.0	.0	.0	.0	.2	.0
2. NW	97.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	82.	.4	.0	.0	.0	.0	.0	.0	.0	.2
4. NE	260.	.4	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.4	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.4	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.1	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	1.0	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	1756	1.7	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	2241	1.6	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	544	1.7	.0	10.0
G. 7th Stre EBA	*	-150	-9	0	-9	* AG	2065	1.4	.0	20.5
H. 7th Stre EBD	*	0	-9	150	-9	* AG	2124	1.1	.0	18.8
I. 7th Stre EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 7th Stre WBA	*	150	0	0	0	* AG	0	1.0	.0	10.0
K. 7th Stre WBD	*	0	0	-150	0	* AG	0	1.0	.0	10.0
L. 7th Stre WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	1.0	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	2300	1.0	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	2241	1.0	.0	15.3
Q. 7th Str EBAX	*	-750	-9	-150	-9	* AG	2065	1.0	.0	20.5
R. 7th Str EBDX	*	150	-9	750	-9	* AG	2124	1.0	.0	18.8
S. 7th Str WBAX	*	750	0	150	0	* AG	0	1.0	.0	10.0
T. 7th Str WBDX	*	-150	0	-750	0	* AG	0	1.0	.0	10.0

JOB: Project Name
RUN: 2030nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2030nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.5	.0	.0	.0	.2	.0	.1	.0	.1
2. NW	172.	.6	.0	.0	.0	.0	.4	.0	.1	.0
3. SW	9.	.6	.0	.0	.0	.3	.1	.0	.2	.0
4. NE	259.	.4	.0	.0	.0	.1	.0	.0	.2	.0
5. ES mdblk	276.	.4	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	99.	.3	.0	.0	.0	.0	.0	.0	.2	.0
7. WS mdblk	82.	.4	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.1
9. SE mdblk	352.	.3	.0	.0	.0	.0	.2	.0	.0	.0
10. NW mdblk	172.	.5	.0	.0	.0	.3	.0	.0	.0	.0
11. SW mdblk	7.	.5	.0	.0	.0	.0	.4	.0	.0	.0
12. NE mdblk	188.	.4	.0	.0	.0	.2	.0	.1	.0	.0
13. ES blk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	1.0	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	1100	1.6	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	1346	1.2	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	60	1.6	.0	10.0
G. 11th Str EBA	*	-150	-9	0	-9	* AG	1541	1.4	.0	20.5
H. 11th Str EBD	*	0	-9	150	-9	* AG	1355	1.1	.0	18.8
I. 11th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	1.0	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	1.0	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	1.0	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	1160	1.0	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1346	1.0	.0	15.3
Q. 11th St EBAX	*	-750	-9	-150	-9	* AG	1541	1.0	.0	20.5
R. 11th St EBDX	*	150	-9	750	-9	* AG	1355	1.0	.0	18.8
S. 11th St WBAX	*	750	0	150	0	* AG	0	1.0	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	1.0	.0	10.0

JOB: Project Name
RUN: 2030nP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2030nP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	.3	.0	.0	.0	.0	.0	.0	.2	.0
2. NW	174.	.3	.0	.0	.0	.0	.2	.0	.0	.0
3. SW	8.	.4	.0	.0	.0	.2	.0	.0	.1	.0
4. NE	260.	.3	.0	.0	.0	.0	.0	.0	.2	.0
5. ES mdblk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	99.	.2	.0	.0	.0	.0	.0	.0	.1	.0
7. WS mdblk	82.	.3	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.0	.0	.0	.0	.1	.0	.0	.0
10. NW mdblk	173.	.3	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	6.	.3	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	188.	.2	.0	.0	.0	.1	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.1	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	1.0	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	952	1.6	.0	17.0
E. Madison SBD	*	-7	0	-7	-150	* AG	1211	1.2	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	1195	1.3	.0	18.8
K. 12th Str WBD	*	0	9	-150	9	* AG	1252	1.1	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	316	1.7	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	1.0	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	952	1.0	.0	17.0
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1211	1.0	.0	15.3
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	1511	1.0	.0	18.8
T. 12th St WBDX	*	-150	9	-750	9	* AG	1252	1.0	.0	18.8

JOB: Project Name
RUN: 2030nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-7	1.8
2. NW	*	-17	20	1.8
3. SW	*	-16	-7	1.8
4. NE	*	7	20	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	20	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	20	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2030nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	.2	.0	.0	.0	.1	.0	.0	.0	.0
2. NW	98.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	188.	.2	.0	.0	.0	.0	.1	.0	.0	.0
5. ES mdblk	278.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	262.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.2	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	7.	.2	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	187.	.2	.0	.0	.0	.1	.0	.0	.0	.0
13. ES blk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.1	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	1.0	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Madison SBA	*	-9	150	-9	0	* AG	817	1.6	.0	15.3
E. Madison SBD	*	-9	0	-9	-150	* AG	922	1.2	.0	13.5
F. Madison SBL	*	-5	150	0	0	* AG	684	1.7	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	911	1.4	.0	13.5
H. 14th Str EBD	*	0	-5	150	-5	* AG	1502	1.1	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	711	1.3	.0	11.8
K. 14th Str WBD	*	0	5	-150	5	* AG	746	1.1	.0	11.8
L. 14th Str WBL	*	150	2	0	0	* AG	47	1.6	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	1.0	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Madison SBAX	*	-9	750	-9	150	* AG	1501	1.0	.0	15.3
P. Madison SBDX	*	-9	-150	-9	-750	* AG	922	1.0	.0	13.5
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	911	1.0	.0	13.5
R. 14th St EBDX	*	150	-5	750	-5	* AG	1502	1.0	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	758	1.0	.0	11.8
T. 14th St WBDX	*	-150	5	-750	5	* AG	746	1.0	.0	11.8

JOB: Project Name
RUN: 2030nP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-18	13	1.8
3. SW	*	-17	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2030nP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	351.	.4	.0	.0	.0	.0	.0	.1	.0	.1
2. NW	98.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	8.	.4	.0	.0	.0	.1	.0	.0	.0	.0
4. NE	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.4	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.3	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	169.	.3	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	6.	.2	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	189.	.2	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	4	-150	4	0	* AG	219	1.4	.0	10.0
B. Jackson NBD	*	4	0	4	150	* AG	227	1.1	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	32	1.6	.0	10.0
D. Jackson SBA	*	-4	150	-4	0	* AG	148	1.4	.0	10.0
E. Jackson SBD	*	-4	0	-4	-150	* AG	110	1.1	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	145	1.4	.0	15.3
K. 19th Str WBD	*	0	5	-150	5	* AG	219	1.1	.0	13.5
L. 19th Str WBL	*	150	2	0	0	* AG	12	1.6	.0	10.0
M. Jackson NBAX	*	4	-750	4	-150	* AG	251	1.0	.0	10.0
N. Jackson NBDX	*	4	150	4	750	* AG	227	1.0	.0	10.0
O. Jackson SBAX	*	-4	750	-4	150	* AG	148	1.0	.0	10.0
P. Jackson SBDX	*	-4	-150	-4	-750	* AG	110	1.0	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	157	1.0	.0	15.3
T. 19th St WBDX	*	-150	5	-750	5	* AG	219	1.0	.0	13.5

JOB: Project Name
RUN: 2030nP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-10	14	1.8
3. SW	*	-10	-7	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-10	150	1.8
11. SW mdblk	*	-10	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	10	600	1.8

JOB: Project Name
RUN: 2030nP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	354.	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	173.	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	6.	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	186.	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	6.	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	95.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	185.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	0	-150	0	0	* AG	32	1.5	.0	10.0
B. Jackson NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	245	1.7	.0	10.0
D. Jackson SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Jackson SBD	*	0	0	0	-150	* AG	230	1.2	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. Lakeside EBA	*	-150	-5	0	-5	* AG	1017	1.4	.0	13.5
H. Lakeside EBD	*	0	-5	150	-5	* AG	833	1.1	.0	11.8
I. Lakeside EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. Lakeside WBA	*	150	5	0	5	* AG	1012	1.4	.0	11.8
K. Lakeside WBD	*	0	5	-150	5	* AG	1257	1.1	.0	11.8
L. Lakeside WBL	*	150	2	0	0	* AG	14	1.6	.0	10.0
M. Jackson NBAX	*	0	-750	0	-150	* AG	277	1.0	.0	10.0
N. Jackson NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Jackson SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Jackson SBDX	*	0	-150	0	-750	* AG	230	1.0	.0	10.0
Q. Lakesid EBAX	*	-750	-5	-150	-5	* AG	1017	1.0	.0	13.5
R. Lakesid EBDX	*	150	-5	750	-5	* AG	833	1.0	.0	11.8
S. Lakesid WBAX	*	750	5	150	5	* AG	1026	1.0	.0	11.8
T. Lakesid WBDX	*	-150	5	-750	5	* AG	1257	1.0	.0	11.8

JOB: Project Name
RUN: 2030nP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	7	600	1.8

JOB: Project Name
RUN: 2030nP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.4	.0	.0	.0	.0	.0	.0	.2	.0
2. NW	262.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	278.	.3	.0	.0	.0	.0	.0	.0	.2	.0
4. NE	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	98.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.3	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.2	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	179.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.1	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	182.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	180.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	181.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Alice St NBA	*	4	-150	4	0	* AG	0	1.0	.0	10.0
B. Alice St NBD	*	4	0	4	150	* AG	0	1.0	.0	10.0
C. Alice St NBL	*	5	-150	0	0	* AG	174	1.6	.0	10.0
D. Alice St SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Alice St SBD	*	0	0	0	-150	* AG	38	1.1	.0	10.0
F. Alice St SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	242	1.3	.0	11.8
K. 19th Str WBD	*	0	5	-150	5	* AG	416	1.1	.0	11.8
L. 19th Str WBL	*	150	2	0	0	* AG	38	1.6	.0	10.0
M. Alice S NBAX	*	4	-750	4	-150	* AG	174	1.0	.0	10.0
N. Alice S NBDX	*	4	150	4	750	* AG	0	1.0	.0	10.0
O. Alice S SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Alice S SBDX	*	0	-150	0	-750	* AG	38	1.0	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	280	1.0	.0	11.8
T. 19th St WBDX	*	-150	5	-750	5	* AG	416	1.0	.0	11.8

JOB: Project Name
RUN: 2030nP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-7	1.8
4. NE	*	10	13	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	10	600	1.8

JOB: Project Name
RUN: 2030nP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	174.	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	264.	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	97.	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	178.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	182.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	275.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	179.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	181.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	551	1.4	.0	11.8
B. Harrison NBD	*	5	0	5	150	* AG	648	1.1	.0	11.8
C. Harrison NBL	*	2	-150	0	0	* AG	145	1.6	.0	10.0
D. Harrison SBA	*	-5	150	-5	0	* AG	103	1.4	.0	13.5
E. Harrison SBD	*	-5	0	-5	-150	* AG	133	1.1	.0	11.8
F. Harrison SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	905	1.4	.0	22.3
K. 12th Str WBD	*	0	9	-150	9	* AG	981	1.1	.0	20.5
L. 12th Str WBL	*	150	2	0	0	* AG	58	1.6	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	696	1.0	.0	11.8
N. Harriso NBDX	*	5	150	5	750	* AG	648	1.0	.0	11.8
O. Harriso SBAX	*	-5	750	-5	150	* AG	103	1.0	.0	13.5
P. Harriso SBDX	*	-5	-150	-5	-750	* AG	133	1.0	.0	11.8
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	963	1.0	.0	22.3
T. 12th St WBDX	*	-150	9	-750	9	* AG	981	1.0	.0	20.5

JOB: Project Name
RUN: 2030nP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	13	-7	1.8
2. NW	*	-14	21	1.8
3. SW	*	-13	-7	1.8
4. NE	*	13	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	21	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	13	-150	1.8
10. NW mdblk	*	-14	150	1.8
11. SW mdblk	*	-13	-150	1.8
12. NE mdblk	*	13	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	21	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	13	-600	1.8
18. NW blk	*	-14	600	1.8
19. SW blk	*	-13	-600	1.8
20. NE blk	*	13	600	1.8

JOB: Project Name
RUN: 2030nP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	82.	.2	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.2	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.1	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.1	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.1	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.1	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	1031	1.3	.0	15.3
B. Harrison NBD	*	5	0	5	150	* AG	1618	1.1	.0	13.5
C. Harrison NBL	*	2	-150	0	0	* AG	355	1.7	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	922	1.3	.0	18.8
E. Harrison SBD	*	-9	0	-9	-150	* AG	438	1.1	.0	15.3
F. Harrison SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 20th Str EBA	*	-150	-12	0	-12	* AG	194	1.5	.0	15.3
H. 20th Str EBD	*	0	-12	150	-12	* AG	0	1.0	.0	13.5
I. 20th Str EBL	*	-150	-9	0	0	* AG	587	1.6	.0	10.0
J. 20th Str WBA	*	150	9	0	9	* AG	0	1.0	.0	13.5
K. 20th Str WBD	*	0	9	-150	9	* AG	1033	1.2	.0	11.8
L. 20th Str WBL	*	150	5	0	0	* AG	0	1.0	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	1386	1.0	.0	15.3
N. Harriso NBDX	*	5	150	5	750	* AG	1618	1.0	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	922	1.0	.0	18.8
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	438	1.0	.0	15.3
Q. 20th St EBAX	*	-750	-12	-150	-12	* AG	781	1.0	.0	15.3
R. 20th St EBDX	*	150	-12	750	-12	* AG	0	1.0	.0	13.5
S. 20th St WBAX	*	750	9	150	9	* AG	0	1.0	.0	13.5
T. 20th St WBDX	*	-150	9	-750	9	* AG	1033	1.0	.0	11.8

JOB: Project Name
RUN: 2030nP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-21	1.8
2. NW	*	-20	16	1.8
3. SW	*	-18	-21	1.8
4. NE	*	14	17	1.8
5. ES mdblk	*	150	-21	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-20	150	1.8
11. SW mdblk	*	-18	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-21	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-20	600	1.8
19. SW blk	*	-18	-600	1.8
20. NE blk	*	14	600	1.8

JOB: Project Name
RUN: 2030nP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.3	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	169.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	7.	.3	.0	.0	.0	.1	.0	.0	.0	.0
4. NE	261.	.4	.0	.1	.0	.0	.0	.0	.0	.0
5. ES mdblk	275.	.1	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	103.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	72.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	267.	.1	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.3	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	188.	.4	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	272.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	82.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	269.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	984	1.4	.0	13.5
B. Harrison NBD	*	9	0	9	150	* AG	2349	1.1	.0	13.5
C. Harrison NBL	*	5	-150	0	0	* AG	367	1.7	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	1471	1.5	.0	20.5
E. Harrison SBD	*	-9	0	-9	-150	* AG	1203	1.1	.0	10.0
F. Harrison SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. Lakeside EBA	*	-150	-11	0	-11	* AG	250	1.5	.0	10.0
H. Lakeside EBD	*	0	-11	150	-11	* AG	0	1.0	.0	10.0
I. Lakeside EBL	*	-150	-12	0	0	* AG	1365	1.7	.0	10.0
J. Lakeside WBA	*	150	0	0	0	* AG	0	1.0	.0	10.0
K. Lakeside WBD	*	0	0	-150	0	* AG	885	1.6	.0	10.0
L. Lakeside WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	1351	1.0	.0	13.5
N. Harriso NBDX	*	9	150	9	750	* AG	2349	1.0	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	1471	1.0	.0	20.5
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	1203	1.0	.0	10.0
Q. Lakesid EBAX	*	-750	-11	-150	-11	* AG	1615	1.0	.0	10.0
R. Lakesid EBDX	*	150	-11	750	-11	* AG	0	1.0	.0	10.0
S. Lakesid WBAX	*	750	0	150	0	* AG	0	1.0	.0	10.0
T. Lakesid WBDX	*	-150	0	-750	0	* AG	885	1.0	.0	10.0

JOB: Project Name
RUN: 2030nP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-21	7	1.8
3. SW	*	-15	-17	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-21	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-21	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	17	600	1.8

JOB: Project Name
RUN: 2030nP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.4	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	169.	.5	.0	.0	.0	.0	.1	.0	.0	.0
3. SW	7.	.6	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	263.	.7	.0	.2	.0	.0	.0	.0	.0	.0
5. ES mdblk	273.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	102.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	78.	.6	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	268.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.4	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	6.	.4	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	190.	.5	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	272.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	270.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	353.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	188.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	2978	1.5	.0	18.8
B. Harrison NBD	*	9	0	9	150	* AG	1707	1.1	.0	15.3
C. Harrison NBL	*	2	-150	0	0	* AG	13	1.6	.0	10.0
D. Harrison SBA	*	-7	150	-7	0	* AG	964	1.3	.0	18.8
E. Harrison SBD	*	-7	0	-7	-150	* AG	1348	1.1	.0	17.0
F. Harrison SBL	*	-2	150	0	0	* AG	3	1.6	.0	10.0
G. Grand Av EBA	*	-150	-12	0	-12	* AG	988	1.7	.0	13.5
H. Grand Av EBD	*	0	-12	150	-12	* AG	2541	1.7	.0	10.0
I. Grand Av EBL	*	-150	-9	0	0	* AG	392	1.6	.0	10.0
J. Grand Av WBA	*	150	12	0	12	* AG	1155	1.7	.0	13.5
K. Grand Av WBD	*	0	12	-150	12	* AG	1333	1.7	.0	10.0
L. Grand Av WBL	*	150	9	0	0	* AG	436	1.7	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	2991	1.0	.0	18.8
N. Harriso NBDX	*	9	150	9	750	* AG	1707	1.0	.0	15.3
O. Harriso SBAX	*	-7	750	-7	150	* AG	967	1.0	.0	18.8
P. Harriso SBDX	*	-7	-150	-7	-750	* AG	1348	1.0	.0	17.0
Q. Grand A EBAX	*	-750	-12	-150	-12	* AG	1380	1.0	.0	13.5
R. Grand A EBDX	*	150	-12	750	-12	* AG	2541	1.0	.0	10.0
S. Grand A WBAX	*	750	12	150	12	* AG	1591	1.0	.0	13.5
T. Grand A WBDX	*	-150	12	-750	12	* AG	1333	1.0	.0	10.0

JOB: Project Name
RUN: 2030nP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-19	1.8
2. NW	*	-18	19	1.8
3. SW	*	-17	-21	1.8
4. NE	*	18	21	1.8
5. ES mdblk	*	150	-19	1.8
6. WN mdblk	*	-150	19	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	18	150	1.8
13. ES blk	*	600	-19	1.8
14. WN blk	*	-600	19	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	18	600	1.8

JOB: Project Name
RUN: 2030nP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	288.	.8	.2	.0	.0	.0	.0	.0	.0	.3
2. NW	100.	.6	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	80.	.8	.1	.0	.0	.0	.0	.0	.0	.3
4. NE	187.	.8	.3	.0	.0	.0	.0	.0	.0	.1
5. ES mdblk	279.	.7	.0	.0	.0	.0	.0	.0	.0	.5
6. WN mdblk	99.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.5	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	258.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.6	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.4	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	13.	.5	.2	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	186.	.5	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.4	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	353.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	8.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	5	-150	5	0	* AG	1067	1.3	.0	15.3
B. Broadway NBD	*	5	0	5	150	* AG	1102	1.1	.0	13.5
C. Broadway NBL	*	2	-150	0	0	* AG	127	1.6	.0	10.0
D. Broadway SBA	*	-7	150	-7	0	* AG	702	1.3	.0	18.8
E. Broadway SBD	*	-7	0	-7	-150	* AG	856	1.1	.0	17.0
F. Broadway SBL	*	-2	150	0	0	* AG	52	1.6	.0	10.0
G. 20th Str EBA	*	-150	-5	0	-5	* AG	319	1.5	.0	15.3
H. 20th Str EBD	*	0	-5	150	-5	* AG	384	1.1	.0	13.5
I. 20th Str EBL	*	-150	-2	0	0	* AG	29	1.6	.0	10.0
J. 20th Str WBA	*	150	5	0	5	* AG	472	1.5	.0	15.3
K. 20th Str WBD	*	0	5	-150	5	* AG	504	1.1	.0	13.5
L. 20th Str WBL	*	150	2	0	0	* AG	78	1.6	.0	10.0
M. Broadwa NBAX	*	5	-750	5	-150	* AG	1194	1.0	.0	15.3
N. Broadwa NBDX	*	5	150	5	750	* AG	1102	1.0	.0	13.5
O. Broadwa SBAX	*	-7	750	-7	150	* AG	754	1.0	.0	18.8
P. Broadwa SBDX	*	-7	-150	-7	-750	* AG	856	1.0	.0	17.0
Q. 20th St EBAX	*	-750	-5	-150	-5	* AG	348	1.0	.0	15.3
R. 20th St EBDX	*	150	-5	750	-5	* AG	384	1.0	.0	13.5
S. 20th St WBAX	*	750	5	150	5	* AG	550	1.0	.0	15.3
T. 20th St WBDX	*	-150	5	-750	5	* AG	504	1.0	.0	13.5

JOB: Project Name
RUN: 2030nP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-14	1.8
2. NW	*	-18	14	1.8
3. SW	*	-17	-14	1.8
4. NE	*	14	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	14	600	1.8

JOB: Project Name
RUN: 2030nP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.3	.0	.1	.0	.0	.0	.0	.0	.0
2. NW	172.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	8.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.4	.1	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.3	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	187.	.3	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	979	1.7	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	927	1.4	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	382	1.7	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	712	1.6	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	772	1.2	.0	11.8
F. Broadway SBL	*	-5	150	0	0	* AG	66	1.6	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	648	1.3	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	866	1.1	.0	11.8
I. Grand Av EBL	*	-150	-5	0	0	* AG	105	1.6	.0	10.0
J. Grand Av WBA	*	150	5	0	5	* AG	493	1.3	.0	15.3
K. Grand Av WBD	*	0	5	-150	5	* AG	957	1.1	.0	13.5
L. Grand Av WBL	*	150	2	0	0	* AG	137	1.6	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	1361	1.0	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	927	1.0	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	778	1.0	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	772	1.0	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	753	1.0	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	866	1.0	.0	11.8
S. Grand A WBAX	*	750	5	150	5	* AG	630	1.0	.0	15.3
T. Grand A WBDX	*	-150	5	-750	5	* AG	957	1.0	.0	13.5

JOB: Project Name
RUN: 2030nP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	14	1.8
3. SW	*	-16	-17	1.8
4. NE	*	15	14	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	15	600	1.8

JOB: Project Name
RUN: 2030nP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.4	.1	.0	.0	.0	.0	.0	.0	.0
2. NW	169.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	82.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.4	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	98.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.3	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.3	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	9.	.3	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	187.	.3	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	851	1.7	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	1251	1.7	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	200	1.6	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	913	1.7	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	947	1.4	.0	10.0
F. Broadway SBL	*	-5	150	0	0	* AG	234	1.7	.0	10.0
G. 27th Str EBA	*	-150	-7	0	-7	* AG	378	1.3	.0	18.8
H. 27th Str EBD	*	0	-7	150	-7	* AG	563	1.1	.0	17.0
I. 27th Str EBL	*	-150	-2	0	0	* AG	104	1.6	.0	10.0
J. 27th Str WBA	*	150	7	0	7	* AG	830	1.3	.0	15.3
K. 27th Str WBD	*	0	7	-150	7	* AG	803	1.1	.0	11.8
L. 27th Str WBL	*	150	2	0	0	* AG	54	1.6	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	1051	1.0	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	1251	1.0	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	1147	1.0	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	947	1.0	.0	10.0
Q. 27th St EBAX	*	-750	-7	-150	-7	* AG	482	1.0	.0	18.8
R. 27th St EBDX	*	150	-7	750	-7	* AG	563	1.0	.0	17.0
S. 27th St WBAX	*	750	7	150	7	* AG	884	1.0	.0	15.3
T. 27th St WBDX	*	-150	7	-750	7	* AG	803	1.0	.0	11.8

JOB: Project Name
RUN: 2030nP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-17	14	1.8
3. SW	*	-15	-18	1.8
4. NE	*	15	16	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-18	1.8
8. EN mdblk	*	150	16	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-18	1.8
16. EN blk	*	600	16	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	15	600	1.8

JOB: Project Name
RUN: 2030nP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	.5	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	170.	.4	.0	.0	.0	.0	.1	.0	.0	.0
3. SW	8.	.4	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	189.	.4	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	171.	.4	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	8.	.4	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	188.	.5	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Project Name
RUN: 2030nP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	731	1.3	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	880	1.1	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	122	1.6	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	684	1.3	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	614	1.1	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	176	1.6	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	927	1.7	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	1105	1.6	.0	10.0
I. Grand Av EBL	*	-150	-5	0	0	* AG	35	1.6	.0	10.0
J. Grand Av WBA	*	150	9	0	9	* AG	1231	1.7	.0	13.5
K. Grand Av WBD	*	0	9	-150	9	* AG	1331	1.4	.0	11.8
L. Grand Av WBL	*	150	5	0	0	* AG	24	1.6	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	853	1.0	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	880	1.0	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	860	1.0	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	614	1.0	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	962	1.0	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	1105	1.0	.0	10.0
S. Grand A WBAX	*	750	9	150	9	* AG	1255	1.0	.0	13.5
T. Grand A WBDX	*	-150	9	-750	9	* AG	1331	1.0	.0	11.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: Project Name
RUN: 2030nP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-15	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-15	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-15	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: Project Name
RUN: 2030nP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.4	.0	.0	.0	.0	.0	.0	.2	.0
2. NW	98.	.5	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	80.	.4	.0	.0	.0	.0	.0	.0	.0	.2
4. NE	260.	.5	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.4	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	98.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.4	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.3	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.3	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	7.	.3	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	188.	.3	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	678	1.4	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	1014	1.1	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	238	1.7	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	1035	1.4	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	832	1.1	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	170	1.6	.0	10.0
G. 27th Str EBA	*	-150	-9	0	-9	* AG	659	1.4	.0	13.5
H. 27th Str EBD	*	0	-9	150	-9	* AG	722	1.1	.0	11.8
I. 27th Str EBL	*	-150	-5	0	0	* AG	256	1.7	.0	10.0
J. 27th Str WBA	*	150	9	0	9	* AG	873	1.4	.0	13.5
K. 27th Str WBD	*	0	9	-150	9	* AG	1419	1.1	.0	11.8
L. 27th Str WBL	*	150	5	0	0	* AG	78	1.6	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	916	1.0	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	1014	1.0	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	1205	1.0	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	832	1.0	.0	11.8
Q. 27th St EBAX	*	-750	-9	-150	-9	* AG	915	1.0	.0	13.5
R. 27th St EBDX	*	150	-9	750	-9	* AG	722	1.0	.0	11.8
S. 27th St WBAX	*	750	9	150	9	* AG	951	1.0	.0	13.5
T. 27th St WBDX	*	-150	9	-750	9	* AG	1419	1.0	.0	11.8

JOB: Project Name
RUN: 2030nP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: Project Name
RUN: 2030nP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.4	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	98.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	7.	.4	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	98.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	81.	.3	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.3	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	7.	.3	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	188.	.3	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Northgat NBA	*	4	-150	4	0	* AG	4	1.5	.0	10.0
B. Northgat NBD	*	4	0	4	150	* AG	931	1.7	.0	10.0
C. Northgat NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Northgat SBA	*	-5	150	-5	0	* AG	137	1.5	.0	10.0
E. Northgat SBD	*	-5	0	-5	-150	* AG	4	1.1	.0	10.0
F. Northgat SBL	*	-5	150	0	0	* AG	245	1.6	.0	10.0
G. West Gra EBA	*	-150	-7	0	-7	* AG	741	1.4	.0	10.0
H. West Gra EBD	*	0	-7	150	-7	* AG	986	1.1	.0	10.0
I. West Gra EBL	*	-150	-5	0	0	* AG	356	1.7	.0	10.0
J. West Gra WBA	*	150	5	0	5	* AG	1380	1.5	.0	13.5
K. West Gra WBD	*	0	5	-150	5	* AG	942	1.1	.0	10.0
L. West Gra WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Northga NBAX	*	4	-750	4	-150	* AG	4	1.0	.0	10.0
N. Northga NBDX	*	4	150	4	750	* AG	931	1.0	.0	10.0
O. Northga SBAX	*	-5	750	-5	150	* AG	382	1.0	.0	10.0
P. Northga SBDX	*	-5	-150	-5	-750	* AG	4	1.0	.0	10.0
Q. West Gr EBAX	*	-750	-7	-150	-7	* AG	1097	1.0	.0	10.0
R. West Gr EBDX	*	150	-7	750	-7	* AG	986	1.0	.0	10.0
S. West Gr WBAX	*	750	5	150	5	* AG	1380	1.0	.0	13.5
T. West Gr WBDX	*	-150	5	-750	5	* AG	942	1.0	.0	10.0

JOB: Project Name
RUN: 2030nP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-14	1.8
2. NW	*	-12	12	1.8
3. SW	*	-12	-14	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-12	150	1.8
11. SW mdblk	*	-12	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	10	600	1.8

JOB: Project Name
RUN: 2030nP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	353.	.4	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	97.	.5	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	8.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	259.	.4	.0	.1	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.3	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.4	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	263.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	358.	.1	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	167.	.2	.0	.1	.0	.0	.0	.0	.0	.0
11. SW mdblk	3.	.1	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	191.	.3	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	359.	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	1.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: Project Name
RUN: 2030nP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	7	-150	7	0	* AG	1295	1.4	.0	17.0
B. Oak Stre NBD	*	7	0	7	150	* AG	1382	1.1	.0	17.0
C. Oak Stre NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	1.0	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 11th Str EBA	*	-150	-4	0	-4	* AG	0	1.0	.0	10.0
H. 11th Str EBD	*	0	-4	150	-4	* AG	0	1.0	.0	10.0
I. 11th Str EBL	*	-150	-5	0	0	* AG	87	1.6	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	1.0	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	1.0	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Oak Str NBAX	*	7	-750	7	-150	* AG	1295	1.0	.0	17.0
N. Oak Str NBDX	*	7	150	7	750	* AG	1382	1.0	.0	17.0
O. Oak Str SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	1.0	.0	10.0
Q. 11th St EBAX	*	-750	-4	-150	-4	* AG	87	1.0	.0	10.0
R. 11th St EBDX	*	150	-4	750	-4	* AG	0	1.0	.0	10.0
S. 11th St WBAX	*	750	0	150	0	* AG	0	1.0	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	1.0	.0	10.0

JOB: 19th Street
RUN: 2030wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-10	1.8
2. NW	*	-7	7	1.8
3. SW	*	-7	-10	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-10	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-10	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-10	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-10	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	17	600	1.8

JOB: 19th Street
RUN: 2030wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	188.	.2	.2	.0	.0	.0	.0	.0	.0	.0
2. NW	171.	.2	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	171.	.2	.1	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.2	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	271.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	100.	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.2	.0	.1	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.2	.1	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	268.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	86.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	267.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.1	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	1185	1.4	.0	18.8
B. Oak Stre NBD	*	9	0	9	150	* AG	1261	1.1	.0	18.8
C. Oak Stre NBL	*	2	-150	0	0	* AG	436	1.7	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	1.0	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	1365	1.4	.0	20.5
K. 12th Str WBD	*	0	9	-150	9	* AG	1725	1.1	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	1621	1.0	.0	18.8
N. Oak Str NBDX	*	9	150	9	750	* AG	1261	1.0	.0	18.8
O. Oak Str SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	1.0	.0	10.0
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	1365	1.0	.0	20.5
T. 12th St WBDX	*	-150	9	-750	9	* AG	1725	1.0	.0	18.8

JOB: 19th Street
RUN: 2030wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-7	1.8
2. NW	*	-7	20	1.8
3. SW	*	-7	-7	1.8
4. NE	*	20	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	20	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	20	600	1.8

JOB: 19th Street
RUN: 2030wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.3	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	173.	.3	.1	.0	.0	.0	.0	.0	.0	.0
3. SW	80.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	188.	.3	.1	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.3	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.3	.1	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.1	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Oak Stre NBA	*	9	-150	9	0	* AG	824	1.3	.0	22.3
B. Oak Stre NBD	*	9	0	9	150	* AG	1187	1.1	.0	20.5
C. Oak Stre NBL	*	2	-150	0	0	* AG	239	1.7	.0	10.0
D. Oak Stre SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Oak Stre SBD	*	0	0	0	-150	* AG	0	1.0	.0	10.0
F. Oak Stre SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	1166	1.6	.0	11.8
H. 14th Str EBD	*	0	-5	150	-5	* AG	1215	1.4	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	81	1.6	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	871	1.7	.0	13.5
K. 14th Str WBD	*	0	5	-150	5	* AG	779	1.2	.0	10.0
L. 14th Str WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Oak Str NBAX	*	9	-750	9	-150	* AG	1063	1.0	.0	22.3
N. Oak Str NBDX	*	9	150	9	750	* AG	1187	1.0	.0	20.5
O. Oak Str SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Oak Str SBDX	*	0	-150	0	-750	* AG	0	1.0	.0	10.0
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	1247	1.0	.0	11.8
R. 14th St EBDX	*	150	-5	750	-5	* AG	1215	1.0	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	871	1.0	.0	13.5
T. 14th St WBDX	*	-150	5	-750	5	* AG	779	1.0	.0	10.0

JOB: 19th Street
RUN: 2030wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	21	-13	1.8
2. NW	*	-7	12	1.8
3. SW	*	-7	-13	1.8
4. NE	*	21	14	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-13	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	21	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	21	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-13	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	21	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	21	600	1.8

JOB: 19th Street
RUN: 2030wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.4	.0	.0	.0	.0	.0	.0	.2	.0
2. NW	97.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	82.	.4	.0	.0	.0	.0	.0	.0	.0	.2
4. NE	260.	.4	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.4	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.4	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	1.0	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	1769	1.7	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	2254	1.6	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	544	1.7	.0	10.0
G. 7th Stre EBA	*	-150	-9	0	-9	* AG	2065	1.4	.0	20.5
H. 7th Stre EBD	*	0	-9	150	-9	* AG	2124	1.1	.0	18.8
I. 7th Stre EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 7th Stre WBA	*	150	0	0	0	* AG	0	1.0	.0	10.0
K. 7th Stre WBD	*	0	0	-150	0	* AG	0	1.0	.0	10.0
L. 7th Stre WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	1.0	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	2313	1.0	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	2254	1.0	.0	15.3
Q. 7th Str EBAX	*	-750	-9	-150	-9	* AG	2065	1.0	.0	20.5
R. 7th Str EBDX	*	150	-9	750	-9	* AG	2124	1.0	.0	18.8
S. 7th Str WBAX	*	750	0	150	0	* AG	0	1.0	.0	10.0
T. 7th Str WBDX	*	-150	0	-750	0	* AG	0	1.0	.0	10.0

JOB: 19th Street
RUN: 2030wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2030wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.5	.0	.0	.0	.2	.0	.1	.0	.1
2. NW	172.	.6	.0	.0	.0	.0	.4	.0	.1	.0
3. SW	9.	.6	.0	.0	.0	.3	.1	.0	.2	.0
4. NE	259.	.4	.0	.0	.0	.1	.0	.0	.2	.0
5. ES mdblk	276.	.4	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	99.	.3	.0	.0	.0	.0	.0	.0	.2	.0
7. WS mdblk	82.	.4	.0	.0	.0	.0	.0	.0	.3	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.1
9. SE mdblk	352.	.3	.0	.0	.0	.0	.2	.0	.0	.0
10. NW mdblk	172.	.5	.0	.0	.0	.3	.0	.0	.0	.0
11. SW mdblk	7.	.5	.0	.0	.0	.0	.4	.0	.0	.0
12. NE mdblk	188.	.4	.0	.0	.0	.2	.0	.1	.0	.0
13. ES blk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	1.0	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	1113	1.6	.0	15.3
E. Madison SBD	*	-7	0	-7	-150	* AG	1359	1.2	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	60	1.6	.0	10.0
G. 11th Str EBA	*	-150	-9	0	-9	* AG	1541	1.4	.0	20.5
H. 11th Str EBD	*	0	-9	150	-9	* AG	1355	1.1	.0	18.8
I. 11th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 11th Str WBA	*	150	0	0	0	* AG	0	1.0	.0	10.0
K. 11th Str WBD	*	0	0	-150	0	* AG	0	1.0	.0	10.0
L. 11th Str WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	1.0	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	1173	1.0	.0	15.3
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1359	1.0	.0	15.3
Q. 11th St EBAX	*	-750	-9	-150	-9	* AG	1541	1.0	.0	20.5
R. 11th St EBDX	*	150	-9	750	-9	* AG	1355	1.0	.0	18.8
S. 11th St WBAX	*	750	0	150	0	* AG	0	1.0	.0	10.0
T. 11th St WBDX	*	-150	0	-750	0	* AG	0	1.0	.0	10.0

JOB: 19th Street
RUN: 2030wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-20	1.8
2. NW	*	-16	7	1.8
3. SW	*	-16	-21	1.8
4. NE	*	7	7	1.8
5. ES mdblk	*	150	-20	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-16	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-20	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-16	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2030wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	276.	.3	.0	.0	.0	.0	.0	.0	.2	.0
2. NW	174.	.3	.0	.0	.0	.0	.2	.0	.0	.0
3. SW	8.	.4	.0	.0	.0	.2	.0	.0	.1	.0
4. NE	260.	.3	.0	.0	.0	.0	.0	.0	.2	.0
5. ES mdblk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	99.	.2	.0	.0	.0	.0	.0	.0	.1	.0
7. WS mdblk	82.	.3	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.0	.0	.0	.0	.1	.0	.0	.0
10. NW mdblk	173.	.3	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	6.	.3	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	188.	.2	.0	.0	.0	.1	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.1	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	1.0	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Madison SBA	*	-7	150	-7	0	* AG	965	1.6	.0	17.0
E. Madison SBD	*	-7	0	-7	-150	* AG	1224	1.2	.0	15.3
F. Madison SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	1195	1.3	.0	18.8
K. 12th Str WBD	*	0	9	-150	9	* AG	1252	1.1	.0	18.8
L. 12th Str WBL	*	150	2	0	0	* AG	316	1.7	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	1.0	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Madison SBAX	*	-7	750	-7	150	* AG	965	1.0	.0	17.0
P. Madison SBDX	*	-7	-150	-7	-750	* AG	1224	1.0	.0	15.3
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	1511	1.0	.0	18.8
T. 12th St WBDX	*	-150	9	-750	9	* AG	1252	1.0	.0	18.8

JOB: 19th Street
RUN: 2030wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-7	1.8
2. NW	*	-17	20	1.8
3. SW	*	-16	-7	1.8
4. NE	*	7	20	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	20	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	20	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	20	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	20	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2030wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	.3	.0	.0	.0	.1	.0	.0	.0	.0
2. NW	98.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	188.	.2	.0	.0	.0	.0	.1	.0	.0	.0
5. ES mdblk	278.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	262.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.2	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	7.	.2	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	187.	.2	.0	.0	.0	.1	.0	.0	.0	.0
13. ES blk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.1	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Madison NBA	*	0	-150	0	0	* AG	0	1.0	.0	10.0
B. Madison NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Madison NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Madison SBA	*	-9	150	-9	0	* AG	817	1.6	.0	15.3
E. Madison SBD	*	-9	0	-9	-150	* AG	935	1.2	.0	13.5
F. Madison SBL	*	-5	150	0	0	* AG	684	1.7	.0	10.0
G. 14th Str EBA	*	-150	-5	0	-5	* AG	924	1.4	.0	13.5
H. 14th Str EBD	*	0	-5	150	-5	* AG	1502	1.1	.0	11.8
I. 14th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 14th Str WBA	*	150	5	0	5	* AG	711	1.3	.0	11.8
K. 14th Str WBD	*	0	5	-150	5	* AG	746	1.1	.0	11.8
L. 14th Str WBL	*	150	2	0	0	* AG	47	1.6	.0	10.0
M. Madison NBAX	*	0	-750	0	-150	* AG	0	1.0	.0	10.0
N. Madison NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Madison SBAX	*	-9	750	-9	150	* AG	1501	1.0	.0	15.3
P. Madison SBDX	*	-9	-150	-9	-750	* AG	935	1.0	.0	13.5
Q. 14th St EBAX	*	-750	-5	-150	-5	* AG	924	1.0	.0	13.5
R. 14th St EBDX	*	150	-5	750	-5	* AG	1502	1.0	.0	11.8
S. 14th St WBAX	*	750	5	150	5	* AG	758	1.0	.0	11.8
T. 14th St WBDX	*	-150	5	-750	5	* AG	746	1.0	.0	11.8

JOB: 19th Street
RUN: 2030wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-18	13	1.8
3. SW	*	-17	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2030wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	351.	.4	.0	.0	.0	.0	.0	.1	.0	.1
2. NW	98.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	8.	.4	.0	.0	.0	.1	.0	.0	.0	.0
4. NE	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.4	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.3	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	169.	.3	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	6.	.2	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	189.	.2	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-07 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	4	-150	4	0	* AG	219	1.4	.0	10.0
B. Jackson NBD	*	4	0	4	150	* AG	227	1.1	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	38	1.6	.0	10.0
D. Jackson SBA	*	-4	150	-4	0	* AG	213	1.4	.0	10.0
E. Jackson SBD	*	-4	0	-4	-150	* AG	110	1.1	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	178	1.4	.0	15.3
K. 19th Str WBD	*	0	5	-150	5	* AG	323	1.1	.0	13.5
L. 19th Str WBL	*	150	2	0	0	* AG	12	1.6	.0	10.0
M. Jackson NBAX	*	4	-750	4	-150	* AG	257	1.0	.0	10.0
N. Jackson NBDX	*	4	150	4	750	* AG	227	1.0	.0	10.0
O. Jackson SBAX	*	-4	750	-4	150	* AG	213	1.0	.0	10.0
P. Jackson SBDX	*	-4	-150	-4	-750	* AG	110	1.0	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	190	1.0	.0	15.3
T. 19th St WBDX	*	-150	5	-750	5	* AG	323	1.0	.0	13.5

JOB: 19th Street
RUN: 2030wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-10	14	1.8
3. SW	*	-10	-7	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-10	150	1.8
11. SW mdblk	*	-10	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-10	600	1.8
19. SW blk	*	-10	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: 2030wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	353.	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	172.	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	6.	.1	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	186.	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	354.	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	174.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	6.	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	265.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Jackson NBA	*	0	-150	0	0	* AG	32	1.5	.0	10.0
B. Jackson NBD	*	0	0	0	150	* AG	0	1.0	.0	10.0
C. Jackson NBL	*	2	-150	0	0	* AG	245	1.7	.0	10.0
D. Jackson SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Jackson SBD	*	0	0	0	-150	* AG	295	1.2	.0	10.0
F. Jackson SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. Lakeside EBA	*	-150	-5	0	-5	* AG	1082	1.4	.0	13.5
H. Lakeside EBD	*	0	-5	150	-5	* AG	833	1.1	.0	11.8
I. Lakeside EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. Lakeside WBA	*	150	5	0	5	* AG	1012	1.4	.0	11.8
K. Lakeside WBD	*	0	5	-150	5	* AG	1257	1.1	.0	11.8
L. Lakeside WBL	*	150	2	0	0	* AG	14	1.6	.0	10.0
M. Jackson NBAX	*	0	-750	0	-150	* AG	277	1.0	.0	10.0
N. Jackson NBDX	*	0	150	0	750	* AG	0	1.0	.0	10.0
O. Jackson SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Jackson SBDX	*	0	-150	0	-750	* AG	295	1.0	.0	10.0
Q. Lakesid EBAX	*	-750	-5	-150	-5	* AG	1082	1.0	.0	13.5
R. Lakesid EBDX	*	150	-5	750	-5	* AG	833	1.0	.0	11.8
S. Lakesid WBAX	*	750	5	150	5	* AG	1026	1.0	.0	11.8
T. Lakesid WBDX	*	-150	5	-750	5	* AG	1257	1.0	.0	11.8

JOB: 19th Street
RUN: 2030wP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	7	-13	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-14	1.8
4. NE	*	7	13	1.8
5. ES mdblk	*	150	-13	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	7	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	7	150	1.8
13. ES blk	*	600	-13	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	7	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	7	600	1.8

JOB: 19th Street
RUN: 2030wP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.4	.0	.0	.0	.0	.0	.0	.2	.0
2. NW	262.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	278.	.3	.0	.0	.0	.0	.0	.0	.2	.0
4. NE	262.	.3	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.3	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	98.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.3	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.2	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	179.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.2	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	182.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	180.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	5.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	181.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-09 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Alice St NBA	*	4	-150	4	0	* AG	0	1.0	.0	10.0
B. Alice St NBD	*	4	0	4	150	* AG	0	1.0	.0	10.0
C. Alice St NBL	*	5	-150	0	0	* AG	174	1.6	.0	10.0
D. Alice St SBA	*	0	150	0	0	* AG	0	1.0	.0	10.0
E. Alice St SBD	*	0	0	0	-150	* AG	57	1.1	.0	10.0
F. Alice St SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 19th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 19th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 19th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 19th Str WBA	*	150	5	0	5	* AG	274	1.3	.0	11.8
K. 19th Str WBD	*	0	5	-150	5	* AG	448	1.1	.0	11.8
L. 19th Str WBL	*	150	2	0	0	* AG	57	1.6	.0	10.0
M. Alice S NBAX	*	4	-750	4	-150	* AG	174	1.0	.0	10.0
N. Alice S NBDX	*	4	150	4	750	* AG	0	1.0	.0	10.0
O. Alice S SBAX	*	0	750	0	150	* AG	0	1.0	.0	10.0
P. Alice S SBDX	*	0	-150	0	-750	* AG	57	1.0	.0	10.0
Q. 19th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 19th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 19th St WBAX	*	750	5	150	5	* AG	331	1.0	.0	11.8
T. 19th St WBDX	*	-150	5	-750	5	* AG	448	1.0	.0	11.8

JOB: 19th Street
RUN: 2030wP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-7	1.8
2. NW	*	-7	13	1.8
3. SW	*	-7	-7	1.8
4. NE	*	10	13	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	13	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	13	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-7	150	1.8
11. SW mdblk	*	-7	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	13	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	13	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-7	600	1.8
19. SW blk	*	-7	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: 2030wP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	174.	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	83.	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	264.	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	264.	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	178.	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	9.	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	182.	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	355.	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	179.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	180.	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-10 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	551	1.4	.0	11.8
B. Harrison NBD	*	5	0	5	150	* AG	648	1.1	.0	11.8
C. Harrison NBL	*	2	-150	0	0	* AG	145	1.6	.0	10.0
D. Harrison SBA	*	-5	150	-5	0	* AG	103	1.4	.0	13.5
E. Harrison SBD	*	-5	0	-5	-150	* AG	133	1.1	.0	11.8
F. Harrison SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 12th Str EBA	*	-150	0	0	0	* AG	0	1.0	.0	10.0
H. 12th Str EBD	*	0	0	150	0	* AG	0	1.0	.0	10.0
I. 12th Str EBL	*	-150	-2	0	0	* AG	0	1.0	.0	10.0
J. 12th Str WBA	*	150	9	0	9	* AG	908	1.4	.0	22.3
K. 12th Str WBD	*	0	9	-150	9	* AG	984	1.1	.0	20.5
L. 12th Str WBL	*	150	2	0	0	* AG	58	1.6	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	696	1.0	.0	11.8
N. Harriso NBDX	*	5	150	5	750	* AG	648	1.0	.0	11.8
O. Harriso SBAX	*	-5	750	-5	150	* AG	103	1.0	.0	13.5
P. Harriso SBDX	*	-5	-150	-5	-750	* AG	133	1.0	.0	11.8
Q. 12th St EBAX	*	-750	0	-150	0	* AG	0	1.0	.0	10.0
R. 12th St EBDX	*	150	0	750	0	* AG	0	1.0	.0	10.0
S. 12th St WBAX	*	750	9	150	9	* AG	966	1.0	.0	22.3
T. 12th St WBDX	*	-150	9	-750	9	* AG	984	1.0	.0	20.5

JOB: 19th Street
RUN: 2030wP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	13	-7	1.8
2. NW	*	-14	21	1.8
3. SW	*	-13	-7	1.8
4. NE	*	13	21	1.8
5. ES mdblk	*	150	-7	1.8
6. WN mdblk	*	-150	21	1.8
7. WS mdblk	*	-150	-7	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	13	-150	1.8
10. NW mdblk	*	-14	150	1.8
11. SW mdblk	*	-13	-150	1.8
12. NE mdblk	*	13	150	1.8
13. ES blk	*	600	-7	1.8
14. WN blk	*	-600	21	1.8
15. WS blk	*	-600	-7	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	13	-600	1.8
18. NW blk	*	-14	600	1.8
19. SW blk	*	-13	-600	1.8
20. NE blk	*	13	600	1.8

JOB: 19th Street
RUN: 2030wP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	82.	.2	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.2	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.2	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.1	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.1	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.1	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.1	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.1	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.1	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-11 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	5	-150	5	0	* AG	1047	1.3	.0	15.3
B. Harrison NBD	*	5	0	5	150	* AG	1639	1.1	.0	13.5
C. Harrison NBL	*	2	-150	0	0	* AG	368	1.7	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	922	1.3	.0	18.8
E. Harrison SBD	*	-9	0	-9	-150	* AG	438	1.1	.0	15.3
F. Harrison SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. 20th Str EBA	*	-150	-12	0	-12	* AG	194	1.5	.0	15.3
H. 20th Str EBD	*	0	-12	150	-12	* AG	0	1.0	.0	13.5
I. 20th Str EBL	*	-150	-9	0	0	* AG	592	1.6	.0	10.0
J. 20th Str WBA	*	150	9	0	9	* AG	0	1.0	.0	13.5
K. 20th Str WBD	*	0	9	-150	9	* AG	1046	1.2	.0	11.8
L. 20th Str WBL	*	150	5	0	0	* AG	0	1.0	.0	10.0
M. Harriso NBAX	*	5	-750	5	-150	* AG	1415	1.0	.0	15.3
N. Harriso NBDX	*	5	150	5	750	* AG	1639	1.0	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	922	1.0	.0	18.8
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	438	1.0	.0	15.3
Q. 20th St EBAX	*	-750	-12	-150	-12	* AG	786	1.0	.0	15.3
R. 20th St EBDX	*	150	-12	750	-12	* AG	0	1.0	.0	13.5
S. 20th St WBAX	*	750	9	150	9	* AG	0	1.0	.0	13.5
T. 20th St WBDX	*	-150	9	-750	9	* AG	1046	1.0	.0	11.8

JOB: 19th Street
RUN: 2030wP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-21	1.8
2. NW	*	-20	16	1.8
3. SW	*	-18	-21	1.8
4. NE	*	14	17	1.8
5. ES mdblk	*	150	-21	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-20	150	1.8
11. SW mdblk	*	-18	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-21	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-20	600	1.8
19. SW blk	*	-18	-600	1.8
20. NE blk	*	14	600	1.8

JOB: 19th Street
RUN: 2030wP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.3	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	169.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	7.	.3	.0	.0	.0	.1	.0	.0	.0	.0
4. NE	261.	.4	.0	.1	.0	.0	.0	.0	.0	.0
5. ES mdblk	275.	.1	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	103.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	72.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	267.	.1	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.3	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	188.	.4	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	272.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	82.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	269.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-12 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S	Z0= 100. CM	ALT= 13. (M)
BRG= WORST CASE	VD= .0 CM/S	
CLAS= 7 (G)	VS= .0 CM/S	
MIXH= 1000. M	AMB= .0 PPM	
SIGTH= 10. DEGREES	TEMP= 10.0 DEGREE (C)	

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	984	1.4	.0	13.5
B. Harrison NBD	*	9	0	9	150	* AG	2368	1.1	.0	13.5
C. Harrison NBL	*	5	-150	0	0	* AG	367	1.7	.0	10.0
D. Harrison SBA	*	-9	150	-9	0	* AG	1531	1.5	.0	20.5
E. Harrison SBD	*	-9	0	-9	-150	* AG	1263	1.1	.0	10.0
F. Harrison SBL	*	-2	150	0	0	* AG	0	1.0	.0	10.0
G. Lakeside EBA	*	-150	-11	0	-11	* AG	250	1.5	.0	10.0
H. Lakeside EBD	*	0	-11	150	-11	* AG	0	1.0	.0	10.0
I. Lakeside EBL	*	-150	-12	0	0	* AG	1384	1.7	.0	10.0
J. Lakeside WBA	*	150	0	0	0	* AG	0	1.0	.0	10.0
K. Lakeside WBD	*	0	0	-150	0	* AG	885	1.6	.0	10.0
L. Lakeside WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	1351	1.0	.0	13.5
N. Harriso NBDX	*	9	150	9	750	* AG	2368	1.0	.0	13.5
O. Harriso SBAX	*	-9	750	-9	150	* AG	1531	1.0	.0	20.5
P. Harriso SBDX	*	-9	-150	-9	-750	* AG	1263	1.0	.0	10.0
Q. Lakesid EBAX	*	-750	-11	-150	-11	* AG	1634	1.0	.0	10.0
R. Lakesid EBDX	*	150	-11	750	-11	* AG	0	1.0	.0	10.0
S. Lakesid WBAX	*	750	0	150	0	* AG	0	1.0	.0	10.0
T. Lakesid WBDX	*	-150	0	-750	0	* AG	885	1.0	.0	10.0

JOB: 19th Street
RUN: 2030wP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-21	7	1.8
3. SW	*	-15	-17	1.8
4. NE	*	17	7	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	7	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	7	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-21	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	17	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	7	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	7	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-21	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	17	600	1.8

JOB: 19th Street
RUN: 2030wP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	277.	.5	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	169.	.5	.0	.0	.0	.0	.1	.0	.0	.0
3. SW	7.	.6	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	263.	.7	.0	.2	.0	.0	.0	.0	.0	.0
5. ES mdblk	273.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	102.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	78.	.6	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	268.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.4	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	6.	.4	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	190.	.5	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	272.	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	270.	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	353.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	188.	.5	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-13 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Harrison NBA	*	9	-150	9	0	* AG	2997	1.5	.0	18.8
B. Harrison NBD	*	9	0	9	150	* AG	1720	1.1	.0	15.3
C. Harrison NBL	*	2	-150	0	0	* AG	13	1.6	.0	10.0
D. Harrison SBA	*	-7	150	-7	0	* AG	964	1.3	.0	18.8
E. Harrison SBD	*	-7	0	-7	-150	* AG	1408	1.1	.0	17.0
F. Harrison SBL	*	-2	150	0	0	* AG	3	1.6	.0	10.0
G. Grand Av EBA	*	-150	-12	0	-12	* AG	1036	1.7	.0	13.5
H. Grand Av EBD	*	0	-12	150	-12	* AG	2547	1.7	.0	10.0
I. Grand Av EBL	*	-150	-9	0	0	* AG	392	1.6	.0	10.0
J. Grand Av WBA	*	150	12	0	12	* AG	1155	1.7	.0	13.5
K. Grand Av WBD	*	0	12	-150	12	* AG	1333	1.7	.0	10.0
L. Grand Av WBL	*	150	9	0	0	* AG	448	1.7	.0	10.0
M. Harriso NBAX	*	9	-750	9	-150	* AG	3010	1.0	.0	18.8
N. Harriso NBDX	*	9	150	9	750	* AG	1720	1.0	.0	15.3
O. Harriso SBAX	*	-7	750	-7	150	* AG	967	1.0	.0	18.8
P. Harriso SBDX	*	-7	-150	-7	-750	* AG	1408	1.0	.0	17.0
Q. Grand A EBAX	*	-750	-12	-150	-12	* AG	1428	1.0	.0	13.5
R. Grand A EBDX	*	150	-12	750	-12	* AG	2547	1.0	.0	10.0
S. Grand A WBAX	*	750	12	150	12	* AG	1603	1.0	.0	13.5
T. Grand A WBDX	*	-150	12	-750	12	* AG	1333	1.0	.0	10.0

JOB: 19th Street
RUN: 2030wP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	20	-19	1.8
2. NW	*	-18	19	1.8
3. SW	*	-17	-21	1.8
4. NE	*	18	21	1.8
5. ES mdblk	*	150	-19	1.8
6. WN mdblk	*	-150	19	1.8
7. WS mdblk	*	-150	-21	1.8
8. EN mdblk	*	150	21	1.8
9. SE mdblk	*	20	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	18	150	1.8
13. ES blk	*	600	-19	1.8
14. WN blk	*	-600	19	1.8
15. WS blk	*	-600	-21	1.8
16. EN blk	*	600	21	1.8
17. SE blk	*	20	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	18	600	1.8

JOB: 19th Street
RUN: 2030wP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	288.	.8	.3	.0	.0	.0	.0	.0	.0	.3
2. NW	100.	.6	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	80.	.8	.1	.0	.0	.0	.0	.0	.0	.3
4. NE	187.	.8	.3	.0	.0	.0	.0	.0	.0	.1
5. ES mdblk	279.	.8	.0	.0	.0	.0	.0	.0	.0	.5
6. WN mdblk	99.	.6	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.5	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	258.	.5	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.6	.4	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.4	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	13.	.5	.2	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	186.	.5	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.5	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.4	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	353.	.5	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	8.	.4	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.4	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-14 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	5	-150	5	0	* AG	1067	1.3	.0	15.3
B. Broadway NBD	*	5	0	5	150	* AG	1113	1.1	.0	13.5
C. Broadway NBL	*	2	-150	0	0	* AG	127	1.6	.0	10.0
D. Broadway SBA	*	-7	150	-7	0	* AG	702	1.3	.0	18.8
E. Broadway SBD	*	-7	0	-7	-150	* AG	856	1.1	.0	17.0
F. Broadway SBL	*	-2	150	0	0	* AG	57	1.6	.0	10.0
G. 20th Str EBA	*	-150	-5	0	-5	* AG	319	1.5	.0	15.3
H. 20th Str EBD	*	0	-5	150	-5	* AG	389	1.1	.0	13.5
I. 20th Str EBL	*	-150	-2	0	0	* AG	29	1.6	.0	10.0
J. 20th Str WBA	*	150	5	0	5	* AG	485	1.5	.0	15.3
K. 20th Str WBD	*	0	5	-150	5	* AG	506	1.1	.0	13.5
L. 20th Str WBL	*	150	2	0	0	* AG	78	1.6	.0	10.0
M. Broadwa NBAX	*	5	-750	5	-150	* AG	1194	1.0	.0	15.3
N. Broadwa NBDX	*	5	150	5	750	* AG	1113	1.0	.0	13.5
O. Broadwa SBAX	*	-7	750	-7	150	* AG	759	1.0	.0	18.8
P. Broadwa SBDX	*	-7	-150	-7	-750	* AG	856	1.0	.0	17.0
Q. 20th St EBAX	*	-750	-5	-150	-5	* AG	348	1.0	.0	15.3
R. 20th St EBDX	*	150	-5	750	-5	* AG	389	1.0	.0	13.5
S. 20th St WBAX	*	750	5	150	5	* AG	563	1.0	.0	15.3
T. 20th St WBDX	*	-150	5	-750	5	* AG	506	1.0	.0	13.5

JOB: 19th Street
RUN: 2030wP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	14	-14	1.8
2. NW	*	-18	14	1.8
3. SW	*	-17	-14	1.8
4. NE	*	14	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	14	-150	1.8
10. NW mdblk	*	-18	150	1.8
11. SW mdblk	*	-17	-150	1.8
12. NE mdblk	*	14	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	14	-600	1.8
18. NW blk	*	-18	600	1.8
19. SW blk	*	-17	-600	1.8
20. NE blk	*	14	600	1.8

JOB: 19th Street
RUN: 2030wP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	352.	.3	.0	.1	.0	.0	.0	.0	.0	.0
2. NW	172.	.3	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	8.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	187.	.4	.1	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	83.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	8.	.3	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	187.	.3	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.1	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.1	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-15 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	981	1.7	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	929	1.4	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	391	1.7	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	717	1.6	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	777	1.2	.0	11.8
F. Broadway SBL	*	-5	150	0	0	* AG	66	1.6	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	696	1.3	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	914	1.1	.0	11.8
I. Grand Av EBL	*	-150	-5	0	0	* AG	105	1.6	.0	10.0
J. Grand Av WBA	*	150	5	0	5	* AG	493	1.3	.0	15.3
K. Grand Av WBD	*	0	5	-150	5	* AG	966	1.1	.0	13.5
L. Grand Av WBL	*	150	2	0	0	* AG	137	1.6	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	1372	1.0	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	929	1.0	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	783	1.0	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	777	1.0	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	801	1.0	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	914	1.0	.0	11.8
S. Grand A WBAX	*	750	5	150	5	* AG	630	1.0	.0	15.3
T. Grand A WBDX	*	-150	5	-750	5	* AG	966	1.0	.0	13.5

JOB: 19th Street
RUN: 2030wP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	14	1.8
3. SW	*	-16	-17	1.8
4. NE	*	15	14	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	15	600	1.8

JOB: 19th Street
RUN: 2030wP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.4	.1	.0	.0	.0	.0	.0	.0	.0
2. NW	169.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	82.	.4	.0	.0	.0	.0	.0	.0	.0	.1
4. NE	187.	.4	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	98.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.3	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	262.	.2	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	351.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.3	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	9.	.3	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	187.	.3	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	276.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	84.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	174.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	7.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-16 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Broadway NBA	*	9	-150	9	0	* AG	853	1.7	.0	13.5
B. Broadway NBD	*	9	0	9	150	* AG	1253	1.7	.0	10.0
C. Broadway NBL	*	5	-150	0	0	* AG	200	1.6	.0	10.0
D. Broadway SBA	*	-9	150	-9	0	* AG	918	1.7	.0	13.5
E. Broadway SBD	*	-9	0	-9	-150	* AG	952	1.4	.0	10.0
F. Broadway SBL	*	-5	150	0	0	* AG	234	1.7	.0	10.0
G. 27th Str EBA	*	-150	-7	0	-7	* AG	378	1.3	.0	18.8
H. 27th Str EBD	*	0	-7	150	-7	* AG	563	1.1	.0	17.0
I. 27th Str EBL	*	-150	-2	0	0	* AG	104	1.6	.0	10.0
J. 27th Str WBA	*	150	7	0	7	* AG	843	1.3	.0	15.3
K. 27th Str WBD	*	0	7	-150	7	* AG	816	1.1	.0	11.8
L. 27th Str WBL	*	150	2	0	0	* AG	54	1.6	.0	10.0
M. Broadwa NBAX	*	9	-750	9	-150	* AG	1053	1.0	.0	13.5
N. Broadwa NBDX	*	9	150	9	750	* AG	1253	1.0	.0	10.0
O. Broadwa SBAX	*	-9	750	-9	150	* AG	1152	1.0	.0	13.5
P. Broadwa SBDX	*	-9	-150	-9	-750	* AG	952	1.0	.0	10.0
Q. 27th St EBAX	*	-750	-7	-150	-7	* AG	482	1.0	.0	18.8
R. 27th St EBDX	*	150	-7	750	-7	* AG	563	1.0	.0	17.0
S. 27th St WBAX	*	750	7	150	7	* AG	897	1.0	.0	15.3
T. 27th St WBDX	*	-150	7	-750	7	* AG	816	1.0	.0	11.8

JOB: 19th Street
RUN: 2030wP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-17	1.8
2. NW	*	-17	14	1.8
3. SW	*	-15	-18	1.8
4. NE	*	15	16	1.8
5. ES mdblk	*	150	-17	1.8
6. WN mdblk	*	-150	14	1.8
7. WS mdblk	*	-150	-18	1.8
8. EN mdblk	*	150	16	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-15	-150	1.8
12. NE mdblk	*	15	150	1.8
13. ES blk	*	600	-17	1.8
14. WN blk	*	-600	14	1.8
15. WS blk	*	-600	-18	1.8
16. EN blk	*	600	16	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-15	-600	1.8
20. NE blk	*	15	600	1.8

JOB: 19th Street
RUN: 2030wP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	350.	.5	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	170.	.4	.0	.0	.0	.0	.1	.0	.0	.0
3. SW	8.	.4	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	189.	.4	.2	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.2	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.2	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.4	.2	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	171.	.4	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	8.	.4	.0	.0	.0	.0	.2	.0	.0	.0
12. NE mdblk	188.	.5	.0	.3	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.2	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.2	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.3	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.3	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-17 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 19th Street
RUN: 2030wP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= .5 M/S Z0= 100. CM ALT= 13. (M)
BRG= WORST CASE VD= .0 CM/S
CLAS= 7 (G) VS= .0 CM/S
MIXH= 1000. M AMB= .0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	733	1.3	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	882	1.1	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	122	1.6	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	684	1.3	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	614	1.1	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	181	1.6	.0	10.0
G. Grand Av EBA	*	-150	-9	0	-9	* AG	970	1.7	.0	13.5
H. Grand Av EBD	*	0	-9	150	-9	* AG	1153	1.6	.0	10.0
I. Grand Av EBL	*	-150	-5	0	0	* AG	35	1.6	.0	10.0
J. Grand Av WBA	*	150	9	0	9	* AG	1240	1.7	.0	13.5
K. Grand Av WBD	*	0	9	-150	9	* AG	1340	1.4	.0	11.8
L. Grand Av WBL	*	150	5	0	0	* AG	24	1.6	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	855	1.0	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	882	1.0	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	865	1.0	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	614	1.0	.0	11.8
Q. Grand A EBAX	*	-750	-9	-150	-9	* AG	1005	1.0	.0	13.5
R. Grand A EBDX	*	150	-9	750	-9	* AG	1153	1.0	.0	10.0
S. Grand A WBAX	*	750	9	150	9	* AG	1264	1.0	.0	13.5
T. Grand A WBDX	*	-150	9	-750	9	* AG	1340	1.0	.0	11.8

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-15	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-15	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-15	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: 19th Street
RUN: 2030wP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.4	.0	.0	.0	.0	.0	.0	.2	.0
2. NW	98.	.5	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	80.	.4	.0	.0	.0	.0	.0	.0	.0	.2
4. NE	260.	.5	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.4	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	98.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.4	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	353.	.3	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.3	.0	.0	.0	.1	.0	.0	.0	.0
11. SW mdblk	7.	.3	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	188.	.3	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-18 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Telegrap NBA	*	9	-150	9	0	* AG	680	1.4	.0	13.5
B. Telegrap NBD	*	9	0	9	150	* AG	1016	1.1	.0	11.8
C. Telegrap NBL	*	5	-150	0	0	* AG	238	1.7	.0	10.0
D. Telegrap SBA	*	-9	150	-9	0	* AG	1040	1.4	.0	13.5
E. Telegrap SBD	*	-9	0	-9	-150	* AG	837	1.1	.0	11.8
F. Telegrap SBL	*	-5	150	0	0	* AG	170	1.6	.0	10.0
G. 27th Str EBA	*	-150	-9	0	-9	* AG	659	1.4	.0	13.5
H. 27th Str EBD	*	0	-9	150	-9	* AG	722	1.1	.0	11.8
I. 27th Str EBL	*	-150	-5	0	0	* AG	256	1.7	.0	10.0
J. 27th Str WBA	*	150	9	0	9	* AG	886	1.4	.0	13.5
K. 27th Str WBD	*	0	9	-150	9	* AG	1432	1.1	.0	11.8
L. 27th Str WBL	*	150	5	0	0	* AG	78	1.6	.0	10.0
M. Telegra NBAX	*	9	-750	9	-150	* AG	918	1.0	.0	13.5
N. Telegra NBDX	*	9	150	9	750	* AG	1016	1.0	.0	11.8
O. Telegra SBAX	*	-9	750	-9	150	* AG	1210	1.0	.0	13.5
P. Telegra SBDX	*	-9	-150	-9	-750	* AG	837	1.0	.0	11.8
Q. 27th St EBAX	*	-750	-9	-150	-9	* AG	915	1.0	.0	13.5
R. 27th St EBDX	*	150	-9	750	-9	* AG	722	1.0	.0	11.8
S. 27th St WBAX	*	750	9	150	9	* AG	964	1.0	.0	13.5
T. 27th St WBDX	*	-150	9	-750	9	* AG	1432	1.0	.0	11.8

JOB: 19th Street
RUN: 2030wP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	17	-16	1.8
2. NW	*	-17	16	1.8
3. SW	*	-16	-17	1.8
4. NE	*	16	17	1.8
5. ES mdblk	*	150	-16	1.8
6. WN mdblk	*	-150	16	1.8
7. WS mdblk	*	-150	-17	1.8
8. EN mdblk	*	150	17	1.8
9. SE mdblk	*	17	-150	1.8
10. NW mdblk	*	-17	150	1.8
11. SW mdblk	*	-16	-150	1.8
12. NE mdblk	*	16	150	1.8
13. ES blk	*	600	-16	1.8
14. WN blk	*	-600	16	1.8
15. WS blk	*	-600	-17	1.8
16. EN blk	*	600	17	1.8
17. SE blk	*	17	-600	1.8
18. NW blk	*	-17	600	1.8
19. SW blk	*	-16	-600	1.8
20. NE blk	*	16	600	1.8

JOB: 19th Street
RUN: 2030wP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	278.	.4	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	98.	.4	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	7.	.4	.0	.0	.0	.2	.0	.0	.0	.0
4. NE	262.	.4	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.1
6. WN mdblk	98.	.4	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	81.	.3	.0	.0	.0	.0	.0	.0	.1	.0
8. EN mdblk	263.	.3	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	352.	.3	.1	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	172.	.3	.0	.0	.0	.2	.0	.0	.0	.0
11. SW mdblk	7.	.3	.0	.0	.0	.0	.1	.0	.0	.0
12. NE mdblk	188.	.3	.0	.1	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.2	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	97.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.2	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	354.	.2	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.3	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	6.	.2	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	187.	.3	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-19 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
17. SE blk	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	.5 M/S	Z0=	100. CM	ALT=	13. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	10. DEGREES	TEMP=	10.0 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. Northgat NBA	*	4	-150	4	0	* AG	4	1.5	.0	10.0
B. Northgat NBD	*	4	0	4	150	* AG	931	1.7	.0	10.0
C. Northgat NBL	*	2	-150	0	0	* AG	0	1.0	.0	10.0
D. Northgat SBA	*	-5	150	-5	0	* AG	137	1.5	.0	10.0
E. Northgat SBD	*	-5	0	-5	-150	* AG	4	1.1	.0	10.0
F. Northgat SBL	*	-5	150	0	0	* AG	270	1.6	.0	10.0
G. West Gra EBA	*	-150	-7	0	-7	* AG	759	1.4	.0	10.0
H. West Gra EBD	*	0	-7	150	-7	* AG	1029	1.1	.0	10.0
I. West Gra EBL	*	-150	-5	0	0	* AG	356	1.7	.0	10.0
J. West Gra WBA	*	150	5	0	5	* AG	1389	1.5	.0	13.5
K. West Gra WBD	*	0	5	-150	5	* AG	951	1.1	.0	10.0
L. West Gra WBL	*	150	2	0	0	* AG	0	1.0	.0	10.0
M. Northga NBAX	*	4	-750	4	-150	* AG	4	1.0	.0	10.0
N. Northga NBDX	*	4	150	4	750	* AG	931	1.0	.0	10.0
O. Northga SBAX	*	-5	750	-5	150	* AG	407	1.0	.0	10.0
P. Northga SBDX	*	-5	-150	-5	-750	* AG	4	1.0	.0	10.0
Q. West Gr EBAX	*	-750	-7	-150	-7	* AG	1115	1.0	.0	10.0
R. West Gr EBDX	*	150	-7	750	-7	* AG	1029	1.0	.0	10.0
S. West Gr WBAX	*	750	5	150	5	* AG	1389	1.0	.0	13.5
T. West Gr WBDX	*	-150	5	-750	5	* AG	951	1.0	.0	10.0

JOB: 19th Street
RUN: 2030wP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. SE	*	10	-14	1.8
2. NW	*	-12	12	1.8
3. SW	*	-12	-14	1.8
4. NE	*	10	14	1.8
5. ES mdblk	*	150	-14	1.8
6. WN mdblk	*	-150	12	1.8
7. WS mdblk	*	-150	-14	1.8
8. EN mdblk	*	150	14	1.8
9. SE mdblk	*	10	-150	1.8
10. NW mdblk	*	-12	150	1.8
11. SW mdblk	*	-12	-150	1.8
12. NE mdblk	*	10	150	1.8
13. ES blk	*	600	-14	1.8
14. WN blk	*	-600	12	1.8
15. WS blk	*	-600	-14	1.8
16. EN blk	*	600	14	1.8
17. SE blk	*	10	-600	1.8
18. NW blk	*	-12	600	1.8
19. SW blk	*	-12	-600	1.8
20. NE blk	*	10	600	1.8

JOB: 19th Street
RUN: 2030wP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. SE	353.	.4	.0	.2	.0	.0	.0	.0	.0	.0
2. NW	97.	.5	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	8.	.3	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	259.	.4	.0	.1	.0	.0	.0	.0	.0	.0
5. ES mdblk	278.	.3	.0	.0	.0	.0	.0	.0	.0	.2
6. WN mdblk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	82.	.4	.0	.0	.0	.0	.0	.0	.2	.0
8. EN mdblk	263.	.4	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	358.	.1	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	167.	.2	.0	.1	.0	.0	.0	.0	.0	.0
11. SW mdblk	3.	.1	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	191.	.3	.0	.2	.0	.0	.0	.0	.0	.0
13. ES blk	277.	.3	.0	.0	.0	.0	.0	.0	.0	.0
14. WN blk	96.	.3	.0	.0	.0	.0	.0	.0	.0	.0
15. WS blk	83.	.3	.0	.0	.0	.0	.0	.0	.0	.0
16. EN blk	264.	.3	.0	.0	.0	.0	.0	.0	.0	.0
17. SE blk	359.	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	173.	.2	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	1.	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	186.	.2	.0	.0	.0	.0	.0	.0	.0	.0

JOB: 19th Street
RUN: 2030wP-20 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

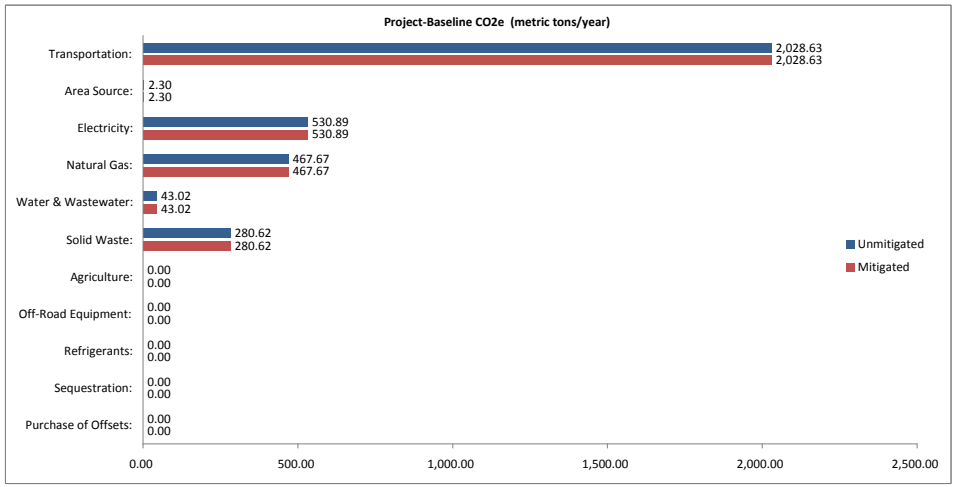
RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. NW	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NE	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5. ES mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6. WN mdblk	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
7. WS mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8. EN mdblk	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9. SE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10. NW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11. SW mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12. NE mdblk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13. ES blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
14. WN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
15. WS blk	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0
16. EN blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
17. SE blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18. NW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19. SW blk	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20. NE blk	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0

Summary Results

Project Name: 19th Street
Project and Baseline Years: 2020 N/A

Results	Unmitigated Project-Baseline CO2e (metric tons/year)	Mitigated Project-Baseline CO2e (metric tons/year)
Transportation:	2,028.63	2,028.63
Area Source:	2.30	2.30
Electricity:	530.89	530.89
Natural Gas:	467.67	467.67
Water & Wastewater:	43.02	43.02
Solid Waste:	280.62	280.62
Agriculture:	0.00	0.00
Off-Road Equipment:	0.00	0.00
Refrigerants:	0.00	0.00
Sequestration:	N/A	0.00
Purchase of Offsets:	N/A	0.00
Total:	3,353.13	3,353.13

Baseline is currently: **OFF**
Baseline Project Name:
Go to Settings Tab to Turn On Baseline



Detailed Results

Unmitigated	CO2 (metric tpy)	CH4 (metric tpy)	N2O (metric tpy)	CO2e (metric tpy)	% of Total
Transportation*:				2,028.63	60.50%
Area Source:	1.65	0.00	0.00	2.30	0.07%
Electricity:	530.04	0.00	0.00	530.89	15.83%
Natural Gas:	466.47	0.04	0.00	467.67	13.95%
Water & Wastewater:	42.95	0.00	0.00	43.02	1.28%
Solid Waste:	1.94	13.27	N/A	280.62	8.37%
Agriculture:	0.00	0.00	0.00	0.00	0.00%
Off-Road Equipment:	0.00	0.00	0.00	0.00	0.00%
Refrigerants:	N/A	N/A	N/A	0.00	0.00%
Sequestration:	N/A	N/A	N/A	N/A	N/A
Purchase of Offsets:	N/A	N/A	N/A	N/A	N/A
Total:				3,353.13	100.00%

Baseline	CO2 (metric tpy)	CH4 (metric tpy)	N2O (metric tpy)	CO2e (metric tpy)	% of Total
Transportation*:				0.00	N/A
Area Source:	0.00	0.00	0.00	0.00	N/A
Electricity:	0.00	0.00	0.00	0.00	N/A
Natural Gas:	0.00	0.00	0.00	0.00	N/A
Water & Wastewater:	0.00	0.00	0.00	0.00	N/A
Solid Waste:	0.00	0.00	N/A	0.00	N/A
Agriculture:	0.00	0.00	0.00	0.00	N/A
Off-Road Equipment:	0.00	0.00	0.00	0.00	N/A
Refrigerants:	N/A	N/A	N/A	0.00	N/A
Sequestration:	N/A	N/A	N/A	N/A	N/A
Purchase of Offsets:	N/A	N/A	N/A	N/A	N/A
Total:				0.00	0.00%

* Several adjustments were made to transportation emissions after they have been imported from URBEMIS.
After importing from URBEMIS, CO2 emissions are converted to metric tons and then adjusted to account for the "Pavley"
regulation. Then, CO2 is converted to CO2e by multiplying by 100/95 to account for the contribution of other GHGs (CH4, N2O, and HFCs [from leaking air conditioners]).
Finally, CO2e is adjusted to account for th low carbon fuels rule.

Mitigated	CO2 (metric tpy)	CH4 (metric tpy)	N2O (metric tpy)	CO2e (metric tpy)	% of Total
Transportation*:				2,028.63	60.50%
Area Source:	1.65	0.00	0.00	2.30	0.07%
Electricity:	530.04	0.00	0.00	530.89	15.83%
Natural Gas:	466.47	0.04	0.00	467.67	13.95%
Water & Wastewater:	42.95	0.00	0.00	43.02	1.28%
Solid Waste:	1.94	13.27	N/A	280.62	8.37%
Agriculture:	0.00	0.00	0.00	0.00	0.00%
Off-Road Equipment:	0.00	0.00	0.00	0.00	0.00%
Refrigerants:	N/A	N/A	N/A	0.00	0.00%
Sequestration:	N/A	N/A	N/A	0.00	0.00%
Purchase of Offsets:	N/A	N/A	N/A	0.00	0.00%
Total:				3,353.13	100.00%

Transportation

Baseline is Currently: OFF

Target Year:	2020	2020	
Unmitigated Transportation	**Project**	**Baseline**	**Project-Baseline**
Operational Emissions from URBEMIS (CO2 tons/year)	2,680.71	0.00	
Metric Ton Adjustment (CO2 metric tons/year)	2,432.59	0.00	
Pavley Regulation Adjustment (CO2 metric tons/year):	2,076.72	0.00	
US EPA Adjustment (CO2e metric tons/year):	2,186.02	0.00	
Low Carbon Fuels Rule Adjustment (CO2e metric tons/year)	2,028.63	0.00	
Total (CO2e metric tons/year):			**2,028.63**

Target Year:	2020	2020	
Mitigated Transportation	**Project**	**Baseline**	**Project-Baseline**
Operational Vehicles from URBEMIS (CO2 tons/year):	2,680.71	0.00	
Metric Ton Adjustment (CO2 metric tons/year):	2,432.59	0.00	
Pavley Regulation Adjustment (CO2 metric tons/year):	2,076.72	0.00	
US EPA Adjustment (CO2e metric tons/year):	2,186.02	0.00	
Low Carbon Fuels Adjustment (CO2e metric tons/year):	2,028.63	0.00	
Total (CO2e metric tons/year):			**2,028.63**

The BGM User's Manual describes in detail each step used to convert URBEMIS's transportation CO2 emissions to total CO2e.
These steps include converting from English to Metric units, adjusting for the Pavley Rule, converting CO2 to CO2e, and adjusting for the Low Carbon Fuels Rule.

Reference

U.S. EPA assumption that GHG emissions from other pollutants - CH4, N20, and hydrofluorcarbons (HFCs) from leaking air conditioners account for 5 percent of emissions from vehicles, after accounting for global warming potentail of each GHG.

Jump to the Following Transportation Related Tabs:
Transportation Detail for Operational Mitigation
Land Use Detail

	Don't Need to Adjust this amt	Unadjusted Amount Affected by Pavley	Adjusted	Adusted	Adusted	Adusted	Adjusted
	Not Affected by Pavley	LDA/ LDT1/ LDT2/ MDV	LDA	LDT1	LDT2	MDV	4 totaled
Pavley Calculations - Project Unmitigated	399.23	2,033.35	812.08	254.97	414.38	196.06	1,677.49
Pavley Calculations - Baseline Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pavley Calculations - Project Mitigated	399.23	2,033.35	812.08	254.97	414.38	196.06	1,677.49
Pavley Calculations - Baseline Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Pavley Adjustment

											12.00	13.00	14.00	15.00	16.00
Year	% LDA CO2 Emissions	% LDT1 CO2 Emissions	% LDT2 CO2 Emissions	% MDV CO2 Emissions	% LDA/LDT1/LDT2/MDV	% everything else	% CO2 Reduction - LDA	% CO2 Reduction - LDT1	% CO2 Reduction - LDT2	% CO2 Reduction MDV	LDA				
2009	41.59%	12.33%	19.61%	9.71%	83.26%	16.74%	0.00%	0.00%	0.07%	0.08%	0.0000	0.0000	0.0006	0.0007	0.0013
2010	41.72%	12.39%	19.54%	9.61%	83.26%	16.74%	0.35%	0.25%	0.45%	0.48%	0.0020	0.0022	0.0036	0.0044	0.0122
2011	41.83%	12.45%	19.50%	9.50%	83.27%	16.73%	1.75%	1.34%	1.31%	1.29%	0.0102	0.0117	0.0106	0.0117	0.0442
2012	41.89%	12.50%	19.47%	9.40%	83.27%	16.73%	4.07%	3.27%	2.60%	2.44%	0.0237	0.0286	0.0209	0.0221	0.0953
2013	41.94%	12.56%	19.46%	9.32%	83.28%	16.72%	6.31%	5.26%	3.88%	3.61%	0.0366	0.0460	0.0313	0.0328	0.1466
2014	41.98%	12.62%	19.46%	9.27%	83.33%	16.67%	8.48%	7.26%	5.17%	4.83%	0.0492	0.0634	0.0416	0.0438	0.1980
2015	42.00%	12.67%	19.47%	9.24%	83.38%	16.62%	10.74%	9.38%	6.54%	6.17%	0.0623	0.0819	0.0527	0.0560	0.2529
2016	42.05%	12.76%	19.50%	9.23%	83.54%	16.46%	12.96%	11.56%	7.94%	7.54%	0.0751	0.1008	0.0639	0.0684	0.3082
2017	42.02%	12.81%	19.51%	9.21%	83.55%	16.45%	15.03%	13.58%	9.27%	8.88%	0.0871	0.1184	0.0746	0.0806	0.3608
2018	41.98%	12.84%	19.52%	9.21%	83.55%	16.45%	16.94%	15.43%	10.54%	10.16%	0.0983	0.1345	0.0848	0.0923	0.4099
2019	41.95%	12.87%	19.53%	9.21%	83.57%	16.43%	18.72%	17.13%	11.74%	11.40%	0.1087	0.1492	0.0945	0.1035	0.4559
2020	41.92%	12.89%	19.55%	9.22%	83.59%	16.41%	20.37%	18.69%	12.89%	12.59%	0.1183	0.1628	0.1037	0.1143	0.4990
2025	41.92%	12.96%	19.67%	9.28%	83.82%	16.18%	26.87%	24.86%	17.60%	17.42%	0.1560	0.2164	0.1414	0.1581	0.6719
2030	42.15%	13.03%	19.76%	9.32%	84.26%	15.74%	30.60%	28.71%	20.63%	20.47%	0.1770	0.2497	0.1655	0.1856	0.7779
2035	42.21%	13.11%	19.80%	9.35%	84.47%	15.53%	32.38%	31.17%	22.43%	22.29%	0.1871	0.2708	0.1799	0.2021	0.8400
2040	42.24%	13.14%	19.90%	9.44%	84.72%	15.28%	33.27%	32.61%	23.60%	23.53%	0.1922	0.2832	0.1890	0.2131	0.8775

Area Source

Baseline is currently: OFF

Unmitigated Area Source	Project	Baseline	Project-Baseline
Landscaping Emissions from URBEMIS (CO2 metric tons/year):	0.463	0.000	
Hearth Emissions from URBEMIS (CO2 metric tons/year):	1.189	0.000	
Wood Burning Fireplaces (N2O metric tons/year):	0.000	0.000	
Natural Gas Fireplaces (N2O metric tons/year):	0.002	0.000	
Wood Burning Stoves (CH4 metric tons/year):	0.000	0.000	
Natural Gas Fireplaces (CH4 metric tons/year):	0.002	0.000	
Total (CO2e metric tons/year):	2.301	0.000	
Total (CO2e metric tons/year):			**2.301**

Mitigated Area Source	Project	Baseline	Project-Baseline
Landscaping Emissions from URBEMIS (CO2 metric tons/year):	0.463	0.000	
Hearth Emissions from URBEMIS (CO2 metric tons/year):	1.189	0.000	
Wood Burning Fireplaces (N2O metric tons/year):	0.000	0.000	
Natural Gas Fireplaces (N2O metric tons/year):	0.002	0.000	
Wood Burning Stoves (CH4 metric tons/year):	0.000	0.000	
Natural Gas Fireplaces (CH4 metric tons/year):	0.002	0.000	
Total (CO2e metric tons/year):	2.301	0.000	
Total (CO2e metric tons/year):			**2.301**

The URBEMIS area source calculations include five separate categories: 1) natural gas fuel combustion, 2) hearth fuel combustion, 3) landscape maintenance equipment, 4) consumer products, and 5) architectural coatings. This Area Source tab imports CO2 emissions calculated by URBEMIS for hearths and landscape maintenance equipment only. BGM then calculates N2O and CH4 emissions for woodstoves and fireplaces and uses the resulting emissions to calculate CO2e. The consumer products and architectural coatings categories within URBEMIS do not generate GHG emissions and, consequently, are not used by BGM. Also, URBEMIS' estimate of CO2 from natural gas fuel combustion is not used by BGM. Instead, BGM calculates natural gas use and the resulting CO2 emissions in the Electricity and Natural Gas tab.

Electricity and Natural Gas

Baseline is currently: OFF

Unmitigated Electricity	Project	Baseline	Project-Baseline
CO2 metric tons/year CO2:	530.044	0.000	
CH4 metric tons/year CH4:	0.004	0.000	
N2O metric tons/year:	0.002	0.000	
CO2e metric tons/year:	530.892	0.000	
CO2e metric tons/year:			530.89

Mitigated Electricity	Project	Baseline	Project-Baseline
CO2 metric tons/year CO2:	530.044	0.000	
CH4 metric tons/year CH4:	0.004	0.000	
N2O metric tons/year:	0.002	0.000	
CO2e metric tons/year:	530.892	0.000	
CO2e metric tons/year:			530.89

Unmitigated Natural Gas	Project	Baseline	Project-Baseline
CO2 metric tons/year:	466.47	0.000	
CH4 metric tons/year:	0.04	0.000	
N2O metric tons/year:	0.00	0.000	
CO2e metric tons/year:	467.67	0.000	
CO2e metric tons/year:			467.67

Mitigated Natural Gas	Project	Baseline	Project-Baseline
CO2 metric tons/year:	466.475	0.000	
CH4 metric tons/year:	0.044	0.000	
N2O metric tons/year:	0.001	0.000	
CO2e metric tons/year:	467.670	0.000	
CO2e metric tons/year:			467.67



Project Climate Zone Location: ○ Zone 4 ● Zone 5

*** Select Mitigation Measures on the Mitigation Tab ===> Mitigation

For detailed climate zone map see: http://capabilities.itron.com/CpusWeb/FCZMap.aspx

Clear All User Overrides

PROJECT Residential:

	Number of units (from URBEMIS)	Estimated Electricity Use/Year (kwh/ residence)	Total Residential Electricity Use (mwh /year)	User Override of Residential Electricity Use (mwh/year)	CO2 (metric tons/year)	CH4 (metric tons/yr)	N2O (metric tons/yr)	Estimated Natural Gas Use (MMBtu/residence/year)	Estimated Natural Gas use (MM Btu/year)	User Override of Natural Gas Use (MM Btu/year)	CO2 (metric tons/yr)	CH4 (metric tons/yr)	N2O (metric tons/yr)	Elec Use	Gas Use
Single Family Residential	0.000	6,047.000	0.000		0.000	0.0000	0.0000	49.600	0.000		0.000	0.000	0.000	0.00	0.00
Multi Family Residential	370.000	3,685.000	1,363.450		497.709	0.0041	0.0023	22.500	8,325.000		440.923	0.042	0.001	1,363.45	8,325.00

PROJECT Nonresidential:

Land Use Type	Square Footage (1,000) from URBEMIS	Estimated Electricity Use/Year (Megawatt-hours)	User Override of Electricity Use/Year (Megawatt-hours)	CO2 (metric tons/yr)	CH4 (metric tons/yr)	N2O (metric tons/yr)	Estimated Natural Gas Use/Year (MM Btu)	User Override of Natural Gas Use (MM Btu/Year)	CO2 (metric tons/yr)	CH4 (metric tons/yr)	N2O (metric tons/yr)	Elect Use	Gas Use
Day-Care Center	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Elementary School	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Junior High School	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
High School	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Junior College	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
University/College	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Library	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Place of Worship	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
City Park	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Racquet Club	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Racquetball/Health	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Quality Restaurant	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
High Turnover/Sit-Down Restaurant	2.82	88.58		32.33	0.0003	0.0001	482.44		25.55	0.00241	0.00005	88.58	482.44
Fast Food w/Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Fast Food w/o Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Hotel	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Motel	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Free-Standing Discount Store	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Free-Standing Discount Superstore	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Discount Club	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Regional Shopping Center	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Electronic Superstore	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Home Improvement Superstore	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Strip Mall	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Hardware/Paint Store	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Supermarket	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Convenience Market	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Convenience Market w/gas pumps	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Gasoline Service Station	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Bank w/Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
General Office Building	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Office Park	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Government Office Building	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Government Civic Center	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Pharmacy w/Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Pharmacy w/o Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Medical Office Building	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Hospital	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Warehouse	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
General Light Industry	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
General Heavy Industry	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Industrial Park	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
Manufacturing	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000	0.00	0.00
												1,452.03	8,807.44 Unmitigated
												1,452.03	8,807.44 Mitigated
												1,452.03	8,807.44 Mitigated %

BASELINE Residential:

	Number of units (from URBEMIS)	Estimated Electricity Use/Year (kwh/ residence)	Total Residential Electricity Use (mwh /year)	User Override of Residential Electricity Use (mwh/year)	CO2 (metric tons/year)	CH4 (metric tons/yr)	N2O (metric tons/yr)	Estimated Natural Gas Use (MMBtu/residence/year)	Estimated Natural Gas use (MM Btu/year)	User Override of Natural Gas Use (MM Btu/year)	CO2 (metric tons/yr)	CH4 (metric tons/yr)	N2O (metric tons/yr)
Single Family Residential	0.000	6,047.000	0.000		0.000	0.0000	0.0000	49.600	0.000		0.000	0.000	0.000
Multi Family Residential	0.000	3,685.000	0.000		0.000	0.0000	0.0000	22.500	0.000		0.000	0.000	0.000

BASELINE Nonresidential:

Land Use Type	Square Footage (1,000) from URBEMIS	Estimated Electricity Use/Year (Megawatt-hours)	User Override of Electricity Use/Year (Megawatt-hours)	CO2 (metric tons/yr)	CH4 (metric tons/yr)	N2O (metric tons/yr)	Estimated Natural Gas Use/Year (MM Btu)	User Override of Natural Gas Use (MM Btu/Year)	CO2 (metric tons/yr)	CH4 (metric tons/yr)	N2O (metric tons/yr)
Day-Care Center	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Elementary School	49.70	273.62		99.88	0.0008	0.0005	973.11		51.54	0.00486	0.00010
Junior High School	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
High School	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Junior College	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
University/College	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Library	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Place of Worship	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
City Park	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Racquet Club	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Racquetball/Health	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Quality Restaurant	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
High Turnover/Sit-Down Restaurant	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Fast Food w/Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Fast Food w/o Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Hotel	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Motel	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Free-Standing Discount Store	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Free-Standing Discount Superstore	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Discount Club	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Regional Shopping Center	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Electronic Superstore	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Home Improvement Superstore	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Strip Mall	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Hardware/Paint Store	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Supermarket	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Convenience Market	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Convenience Market w/gas pumps	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Gasoline Service Station	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Bank w/Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
General Office Building	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Office Park	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Government Office Building	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Government Civic Center	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Pharmacy w/Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Pharmacy w/o Drive Through	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Medical Office Building	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Hospital	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Warehouse	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
General Light Industry	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
General Heavy Industry	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Industrial Park	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000
Manufacturing	0.00	0.00		0.00	0.0000	0.0000	0.00		0.00	0.00000	0.00000

Greenhouse Gas Emission Factors

	CO2	CH4	N2O	
Electricity	804.54	0.0067	0.0037	
Units	lbs CO2/mwh	lbs CH4/mwh	lbs N2O/MWH	Source: Climate Action Registry General Reporting Protocol, Version 3.1, January, 2009.
Natural Gas	53.06	0.005	0.0001	
Units	CO2 (kg CO2/MMBtu)	CH4 (kg/MMBtu)	N2O(kg/MMBtu)	Source: Climate Action Registry General Reporting Protocol, Version 3.1, January, 2009.

Summary	Climate Zone 4 Summary		Climate Zone 5 Summary	
	Electric (kwh/sf)	Natural Gas (MM Btu/sf)	Electric (kwh/sf)	Natural Gas (MM Btu/sf)
All Commercial	13.64	0.02949	13.19	0.03169
Small Office (<30,000 sf)	17.37	0.00975	14.49	0.02999
Large Office (>= 30,000 sf)	23.51	0.02639	15.25	0.02328
Restaurant	35.97	0.21255	31.41	0.17108
Retail	12.82	0.00301	12.65	0.00551
Food Store	44.34	0.02577	40.26	0.04135
Refrigerated Warehouse	10.12	0.00388	24.86	0.01869
Unrefrigerated Warehouse	4.26	0.00440	4.56	0.00169
School	6.65	0.02271	5.51	0.01958
College	9.75	0.02754	12.70	0.04185
Health	23.03	0.11871	18.40	0.11073
Lodging	9.33	0.04695	10.03	0.03915
Miscellaneous	9.81	0.02965	8.98	0.02724
All Offices	21.35	0.02052	15.14	0.02426
All Warehouses	5.82	0.00426	7.71	0.00433

Water and Wastewater

Baseline is currently: OFF

Unmitigated Water and Wastewater	Project	Baseline	Project-Baseline
CO2 metric tons/year:	42.9505	0.0000	
CH4 metric tons/year:	0.0004	0.0000	
N20 metric tons/year:	0.0002	0.0000	
CO2e metric tons/year:	43.0192	0.0000	
CO2e metric tons/year:			**43.02**

Mitigated Water and Wastewater	Project	Baseline	Project-Baseline
CO2 metric tons/year:	42.9505	0.0000	
CH4 metric tons/year:	0.0004	0.0000	
N20 metric tons/year:	0.0002	0.0000	
CO2e metric tons/year:	43.0192	0.0000	
CO2e metric tons/year:			**43.02**

Clear All User Overrides

***** Select Mitigation Measures on the Mitigation Tab ===>** Mitigation

	User Override of Model Estimates (af/yr)	Model Estimate (af/yr)	Total Gallons/year	Indoor Gallons/Year	Outdoor Gallons/year	Mitigated Indoor Gallons/Year	Mitigated Outdoor Gallons/year	Total Mitigated kwh/year
Baseline Water Demand		6.20	2,021,146	0.00	0.00	0.00	0.00	
Project Water Demand		77.05	25,111,799	15,577,974.39	9,533,824.23	15,577,974.39	9,533,824.23	
Net Increase in Water Demand		70.85	23,090,653	15,577,974.39	9,533,824.23	15,577,974.39	9,533,824.23	
						84292.42	33368.38	117,660.80

Houshold Size	
Single Family	Multi-family
2.94	2.65

Land Use Type	Square feet per employee	
1	Warehouse	1,700.00
2	Public Assembly	1,300.00
3	Lodging	1,300.00
4	Food Sales	1,000.00
5	Retail and Service	900.00
6	Education	766.00
7	Public Order and Safety	750.00
8	Food Service	600.00
9	Other	550.00
10	Health Care	500.00
11	Office	400.00

Energy Information Administration Special Topics 1995 Building Activities Other, Square feet per employee.
http://www.eia.doe.gov/emeu/consumptionbriefs/cbecs/pbawebsite/office/office_howmanyempl.htm

PROJECT	
% indoor water use	0.620
% outdoor water use	0.380
Total	1.00

BASELINE	
% indoor water use	0.000
% outdoor water use	0.000
Total	0.00

Project Water Demand - Indoor	84292.42	kwh/year
Project Water Demand - Outdoor	33368.38	kwh/year
Total	117660.80	kwh/year

Baseline Demand - Indoor	0.00	kwh/year	
Baseline Demand - Outdoor	0.00	kwh/year	
Total	0.00	kwh/year	

Greenhouse Gas Emission Factors	CO2	CH4	N2O
Electricity	804.54	0.0067	0.0037
Units	#/mwh	#/mwh	#/mwh

from California Climate Action Registry, 2009

Table ES-1. Recommended revised water-energy proxies

	Indoor Uses		Outdoor Uses	
	Northern California kWh/MG	Southern California kWh/MG	Northern California kWh/MG	Southern California kWh/MG
Water Supply and Conveyance	2,117	9,727	2,117	9,727
Water Treatment	111	111	111	111
Water Distribution	1,272	1,272	1,272	1,272
Wastewater Treatment	1,911	1,911	0	0
Regional Total	5,411	13,022	3,500	11,111

from Navigant, 2006

Gallons Per Acre Foot:	325,900.00

Solid Waste

Baseline is currently: OFF

Unmitigated Solid Waste	Project	Baseline	Project - Baseline
Truck Haul CO2 (metric tons/year):	1.94	0.00	
Truck Haul CH4 (metric tons/year):	0.0000	0.0000	
Truck Haul CO2e (metric tons/year):	1.94	0.00	
Landfill Offgasing (CO2e metric tons/year):	278.68	0.00	
Total Solid Waste (CO2e metric tons/year):	280.62	0.00	
Total Solid Waste (CO2e metric tons/year):			**280.62**

Mitigated Solid Waste	Project	Baseline	Project - Baseline
Truck Haul CO2 (metric tons/year):	1.94	0.00	
Truck Haul CH4 (metric tons/year):	0.0000	0.0000	
Truck Haul CO2e (metric tons/year):	1.94	0.00	
Landfill Offgasing (CO2e metric tons/year):	278.68	0.00	
Total Solid Waste (CO2e metric tons/year):	280.62	0.00	
Total Solid Waste (CO2e metric tons/year):			**280.62**

***** Select Mitigation Measures on the Mitigation Tab ===>** Mitigation

Project Landfill disposal option: Select 1 of 3 options — ○ Landfilling only ◉ Landfilling with Flaring to Burn Methane ○ Landfilling with Energy Recovery

Baseline Landfill disposal option: Select 1 of 3 options — ○ Landfilling only ◉ Landfilling with Flaring to Burn Methane ○ Landfilling with Energy Recovery

Clear All User Overrides

Project	Defaults	User Override
Average Round Trip Truck Haul Distance (miles):	40.00	
Solid Waste Truck Capacity (tons):	15.00	
Round Trips/Year:	29.03	
Miles per Year:	1,161.17	

Baseline	Defaults	User Override
Avg Round Trip Truck Haul Distance (miles):	40.00	
Solid Waste Truck Capacity (tons):	15.00	
Round Trips/Year:	0.00	
Miles per Year:	0.00	

PROJECT Residential Land Use (From URBEMIS)	Units	Estimated Solid Waste Generation Rate (tons/residence/yr)	Estimated Solid Waste Generation/Year (tons)	User Override of Solid Waste Generated/Year (tons)	CO2e (metric tons/year)	Solid Waste Generated/Year (tons)
Single Family Residential	0.00	2.23	0.00		0.00	0.00
Multi-Family Residential	370.00	1.17	432.90		277.06	432.90
PROJECT Nonresidential Land Use (From URBEMIS)	Square Footage (1,000) from URBEMIS	Estimated Solid Waste Generation Rate (tons/sf/yr)	Estimated Solid Waste Generation/Year (tons)	User Override of Solid Waste Generated/Year (tons)	CO2 (metric tons/yr)	
Day-Care Center	0.00	0.0013	0.00		0.00	0.00
Elementary School	0.00	0.0013	0.00		0.00	0.00
Junior High School	0.00	0.0013	0.00		0.00	0.00
High School	0.00	0.0013	0.00		0.00	0.00
Junior College	0.00	0.0013	0.00		0.00	0.00
University/College	0.00	0.0013	0.00		0.00	0.00
Library	0.00	0.0013	0.00		0.00	0.00
Place of Worship	0.00	0.0013	0.00		0.00	0.00
City Park	0.00	0.0000	0.00		0.00	0.00
Racquet Club	0.00	0.0057	0.00		0.00	0.00
Racquetball/Health	0.00	0.0057	0.00		0.00	0.00
Quality Restaurant	0.00	0.0009	0.00		0.00	0.00
High Turnover/Sit-Down Restaurant	2.82	0.0009	2.54		1.62	2.54
Fast Food w/Drive Through	0.00	0.0009	0.00		0.00	0.00
Fast Food w/o Drive Through	0.00	0.0009	0.00		0.00	0.00
Hotel	0.00	0.0108	0.00		0.00	0.00
Motel	0.00	0.0108	0.00		0.00	0.00
Free-Standing Discount Store	0.00	0.0046	0.00		0.00	0.00
Free-Standing Discount Superstore	0.00	0.0046	0.00		0.00	0.00
Discount Club	0.00	0.0046	0.00		0.00	0.00
Regional Shopping Center	0.00	0.0046	0.00		0.00	0.00
Electronic Superstore	0.00	0.0046	0.00		0.00	0.00
Home Improvement Superstore	0.00	0.0046	0.00		0.00	0.00
Strip Mall	0.00	0.0024	0.00		0.00	0.00
Hardware/Paint Store	0.00	0.0024	0.00		0.00	0.00
Supermarket	0.00	0.0057	0.00		0.00	0.00
Convenience Market	0.00	0.0024	0.00		0.00	0.00
Convenience Market w/gas pumps	0.00	0.0024	0.00		0.00	0.00
Gasoline Service Station	0.00	0.0024	0.00		0.00	0.00
Bank w/Drive Through	0.00	0.0108	0.00		0.00	0.00
General Office Building	0.00	0.0108	0.00		0.00	0.00
Office Park	0.00	0.0108	0.00		0.00	0.00
Government Office Building	0.00	0.0108	0.00		0.00	0.00
Government Civic Center	0.00	0.0108	0.00		0.00	0.00
Pharmacy w/Drive Through	0.00	0.0024	0.00		0.00	0.00
Pharmacy w/o Drive Through	0.00	0.0024	0.00		0.00	0.00
Medical Office Building	0.00	0.0108	0.00		0.00	0.00
Hospital	0.00	0.0108	0.00		0.00	0.00
Warehouse	0.00	0.0026	0.00		0.00	0.00
General Light Industry	0.00	0.0011	0.00		0.00	0.00
General Heavy Industry	0.00	0.0011	0.00		0.00	0.00
Industrial Park	0.00	0.0011	0.00		0.00	0.00
Manufacturing	0.00	0.0026	0.00		0.00	0.00
			435.44		278.68	435.44

User Provided Blank Land Use Data: Project Data

Land Use Name	Solid Waste Generation/Year (tons)	CO2e (metric tons/year)
		0.00
		0.00
		0.00

APPENDIX D

NOISE AND VIBRATION TECHNICAL DATA

TABLE Existing-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Madison Street
NOTES: 19th Street - Existing

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12000 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.04

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	68.4	143.2

TABLE Existing-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Harrison Street
NOTES: 19th Street - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 13200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.45

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	72.5	152.4

TABLE Existing-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - Grand Avenue to 21st Street
NOTES: 19th Street - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 27000 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 63.56

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	55.6	114.6	244.5

TABLE Existing-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Jackson Street - 17th Street to 19th Street
NOTES: 19th Street - Existing

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2900 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	55.5

TABLE Existing-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Alice Street - 17th Street to 19th Street
NOTES: 19th Street - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1700 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.63

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Existing-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - 19th Street to 20th Street
NOTES: 19th Street - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 9300 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 58.93

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	58.5	121.2

TABLE Existing-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Alice Street to Jackson Street
NOTES: 19th Street - Existing

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1500 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.08

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Existing-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Harrison Street to Alice Street
NOTES: 19th Street - Existing

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3000 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.09

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	56.8

TABLE Existing-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 20th Street - Webster Street to Harrison Street
NOTES: 19th Street - Existing

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 6700 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 57.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	98.0

TABLE Near Term (2015)-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Madison Street
NOTES: 19th Street - Near Term (2015)

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14900 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn			
70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	78.3	165.1

TABLE Near Term (2015)-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Harrison Street
NOTES: 19th Street - Near Term (2015)

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

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* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	88.9	188.4

TABLE Near Term (2015)-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - Grand Avenue to 21st Street
NOTES: 19th Street - Near Term (2015)

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 37900 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.03

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	68.3	143.1	306.2

TABLE Near Term (2015)-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Jackson Street - 17th Street to 19th Street
NOTES: 19th Street - Near Term (2015)

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.37

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	59.2

TABLE Near Term (2015)-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Alice Street - 17th Street to 19th Street
NOTES: 19th Street - Near Term (2015)

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1900 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.11

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Near Term (2015)-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - 19th Street to 20th Street
NOTES: 19th Street - Near Term (2015)

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.77

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	75.9	159.9

TABLE Near Term (2015)-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Alice Street to Jackson Street
NOTES: 19th Street - Near Term (2015)

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 1800 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 52.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Near Term (2015)-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Harrison Street to Alice Street
NOTES: 19th Street - Near Term (2015)

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3500 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	62.9

TABLE Near Term (2015)-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 20th Street - Webster Street to Harrison Street
NOTES: 19th Street - Near Term (2015)

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 11800 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 59.97

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	67.6	141.6

TABLE Near Term (2015) Plus Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Madison Street
NOTES: 19th Street - Near Term (2015) Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14900 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.98

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	78.3	165.1

TABLE Near Term (2015) Plus Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Harrison Street
NOTES: 19th Street - Near Term (2015) Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18800 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.99

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	90.8	192.4

TABLE Near Term (2015) Plus Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - Grand Avenue to 21st Street
NOTES: 19th Street - Near Term (2015) Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 38700 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	69.2	145.0	310.5

TABLE Near Term (2015) Plus Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Jackson Street - 17th Street to 19th Street
NOTES: 19th Street - Near Term (2015) Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3300 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.51

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	60.5

TABLE Near Term (2015) Plus Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Alice Street - 17th Street to 19th Street
NOTES: 19th Street - Near Term (2015) Plus Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2100 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.54

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Near Term (2015) Plus Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - 19th Street to 20th Street
NOTES: 19th Street - Near Term (2015) Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 14500 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.86

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	76.9	162.1

TABLE Near Term (2015) Plus Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Alice Street to Jackson Street
NOTES: 19th Street - Near Term (2015) Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2900 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	55.5

TABLE Near Term (2015) Plus Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Harrison Street to Alice Street
NOTES: 19th Street - Near Term (2015) Plus Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3800 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	66.4

TABLE Near Term (2015) Plus Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 20th Street - Webster Street to Harrison Street
NOTES: 19th Street - Near Term (2015) Plus Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 12400 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 60.18

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	69.8	146.3

TABLE Cumulative (2030) w/o Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Madison Street
NOTES: 19th Street - Cumulative (2030) w/o Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18600 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	90.1	191.1

TABLE Cumulative (2030) w/o Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Harrison Street
NOTES: 19th Street - Cumulative (2030) w/o Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	88.9	188.4

TABLE Cumulative (2030) w/o Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - Grand Avenue to 21st Street
NOTES: 19th Street - Cumulative (2030) w/o Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 43400 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.62

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	74.3	156.4	335.1

TABLE Cumulative (2030) w/o Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Jackson Street - 17th Street to 19th Street
NOTES: 19th Street - Cumulative (2030) w/o Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3700 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	65.2

TABLE Cumulative (2030) w/o Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Alice Street - 17th Street to 19th Street
NOTES: 19th Street - Cumulative (2030) w/o Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 53.75

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Cumulative (2030) w/o Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - 19th Street to 20th Street
NOTES: 19th Street - Cumulative (2030) w/o Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18300 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.87

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	89.2	189.0

TABLE Cumulative (2030) w/o Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Alice Street to Jackson Street
NOTES: 19th Street - Cumulative (2030) w/o Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2400 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Cumulative (2030) w/o Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Harrison Street to Alice Street
NOTES: 19th Street - Cumulative (2030) w/o Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.55

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	70.9

TABLE Cumulative (2030) w/o Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 20th Street - Webster Street to Harrison Street
NOTES: 19th Street - Cumulative (2030) w/o Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16000 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.29

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	81.9	173.0

TABLE Cumulative (2030) with Project-01
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Madison Street
NOTES: 19th Street - Cumulative (2030) with Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18600 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	90.1	191.1

TABLE Cumulative (2030) with Project-02
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Lakeside Drive - Jackson Street to Harrison Street
NOTES: 19th Street - Cumulative (2030) with Project

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* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 23400 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 62.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	104.5	222.4

TABLE Cumulative (2030) with Project-03
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - Grand Avenue to 21st Street
NOTES: 19th Street - Cumulative (2030) with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 44200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 65.70

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	75.2	158.3	339.2

TABLE Cumulative (2030) with Project-04
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Jackson Street - 17th Street to 19th Street
NOTES: 19th Street - Cumulative (2030) with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3700 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.00

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	65.2

TABLE Cumulative (2030) with Project-05
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Alice Street - 17th Street to 19th Street
NOTES: 19th Street - Cumulative (2030) with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 2400 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 54.12

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	0.0

TABLE Cumulative (2030) with Project-06
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: Harrison Street - 19th Street to 20th Street
NOTES: 19th Street - Cumulative (2030) with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 18600 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.94

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	90.1	191.1

TABLE Cumulative (2030) with Project-07
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Alice Street to Jackson Street
NOTES: 19th Street - Cumulative (2030) with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 3500 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 55.76

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	62.9

TABLE Cumulative (2030) with Project-08
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 19th Street - Harrison Street to Alice Street
NOTES: 19th Street - Cumulative (2030) with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 4500 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 6 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 56.85

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	0.0	74.2

TABLE Cumulative (2030) with Project-09
FHWA ROADWAY NOISE LEVEL ANALYSIS

RUN DATE: 10/13/2009
ROADWAY SEGMENT: 20th Street - Webster Street to Harrison Street
NOTES: 19th Street - Cumulative (2030) with Project

---

* * ASSUMPTIONS * *

AVERAGE DAILY TRAFFIC: 16200 SPEED (MPH): 25 GRADE: .5

TRAFFIC DISTRIBUTION PERCENTAGES

	DAY	NIGHT
AUTOS	88.08	9.34
M-TRUCKS	1.65	0.19
H-TRUCKS	0.66	0.08

ACTIVE HALF-WIDTH (FT): 18 SITE CHARACTERISTICS: SOFT

---

* * CALCULATED NOISE LEVELS * *

Ldn AT 50 FT FROM NEAR TRAVEL LANE CENTERLINE (dB) = 61.34

DISTANCE (FEET) FROM ROADWAY CENTERLINE TO Ldn

70 Ldn	65 Ldn	60 Ldn	55 Ldn
0.0	0.0	82.5	174.4

APPENDIX E

WIND MEMORANDUMS

LSA
FEB 15 2007
RECEIVED
Berkeley

Donald Ballanti
Certified Consulting Meteorologist

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February 13, 2007

Shannon Allen
LSA Associates
2215 Fifth Street
Berkeley, CA. 94710

Subject: Wind Tunnel Study Results for the 222 19th Street Project, Oakland

Dear Ms. Allen:

I am pleased to submit this letter-report providing the results of the wind tunnel tests for the subject project. The purpose of the wind tunnel tests was to determine compliance of the project with the City of Oakland's wind threshold of significance:

> *Create winds exceeding 36 mph for more than 1 hour during daylight hours during the year*

Such a wind analysis only needs to be done if the project's height is 100 feet or greater (measured to the roof) and one of the following conditions exist: (a) the project is located adjacent to a substantial water body (i.e., Oakland Estuary, Lake Merritt or San Francisco Bay); or (b) the project is located in Downtown. Being located near Lake Merritt, the project is subject to the threshold of significance.

SUMMARY

A scale model of the existing site, the proposed project and the surrounding cityscape was constructed and tested in a boundary-layer wind tunnel facility at the University of California at Davis. Velocity measurements were made at 25 measurement locations within pedestrian areas adjacent or near the project site. Wind speed was measured for

north-northwest, west and south-southeast wind directions, which represent the wind directions with the highest average wind speeds and those from which peak winds occur in Oakland.

The wind data were used by a computer program to predict frequencies of wind speeds exceeding the hazard criteria at each of the measurement points utilizing a 5-year database from Alameda Naval Air Station.

METHODOLOGY

A 1-inch equals 50 feet scale model of the project site and several surrounding blocks was built and added to the existing model created for past wind tunnel studies. The scale model was then tested in a Boundary Layer wind tunnel at the University of California, Davis, under the direction of Dr. Bruce White.

Simulation of the boundary layer in the natural wind is achieved by turbulence generators placed upwind of the test section. This allows for adjustment in the wind characteristics to provide for different model scales and varying terrain upwind of the project. The velocity measurements in this study were made with a hot wire anemometer. A total of 25 measurement locations were selected within pedestrian areas adjacent or near the project site. The attached Figure 1 shows the location of measurement sites.

Prior to testing, the speed and turbulence profiles of the flow within the wind tunnel were measured and documented to ensure that the approach flow within the tunnel has an appropriate boundary layer for the scale of the model and the nature of the surrounding terrain.

Wind speed was measured within the project site at a scale height of 5 feet. Testing was conducted for north-northwest, west and south-southeast wind directions. These wind directions are used by a computer program developed by Environmental Science Associates to process wind tunnel data for sites in Oakland, California utilizing a 5-year database from Alameda Naval Air Station. The program combines data from the different wind directions to predict frequencies of wind speeds exceeding the hazard criteria at each of the measurement points. The wind directions tested are those with the highest average wind speeds and those from which peak winds occur.

The wind computer program utilizes "equivalent wind speed" (EWS) to account for the greater danger inherent in gusty winds. EWS denotes the mean hourly wind speed

adjusted to account for the expected turbulence intensity or gustiness at the site. When the measured turbulence intensity at a point is greater than 15%, the equivalent wind speed is calculated by multiplying the mean velocity at the point by a weighting factor according to the following formula:

EWS = Vm (2*TI + 0.7) where:
V_m = mean pedestrian-level wind speed
TI = turbulence intensity

RESULTS

Attached Table 1 shows the predicted windspeed that would be exceeded 1 hour per year (during daylight hours) for each measurement point for existing conditions and with the proposed project. The criterion is that the wind exceeded 1 hour per year should not exceed 36 MPH. Any value exceeding 36.0 MPH would be considered an exceedance of the wind hazard threshold.

The area around the project currently meets the wind hazard threshold. With the proposed project, two exceedances of the wind hazard criterion are forecast to occur at point 8 located north of the project near the east edge of Snow Park and point 13 located at the southwest corner of the proposed building. The duration of the exceedances would be 13 hours per year.

A cumulative test was conducted considering other nearby projects that are under review (where adequate detail on design are available), approved or under construction. Under cumulative conditions the exceedances at points 8 and 13 would still exist, with a duration of 7 hours per year.

The project would have a potentially significant impact on the wind environment based on the City of Oakland wind hazard criterion.

MITIGATION

The wind tunnel model used in the tests does not include existing or proposed street trees. Street trees are known to have a beneficial effect on wind, reducing street-level pedestrian winds, so the wind tunnel tests can be considered to be conservative in nature. The area near where the project exceedances occur (locations 8 and 13) would, in fact, be affected by existing or relocated trees. A relocated arbor with vines

would also be located due west of the project building. This is another wind sheltering element not included in the scale model.

To eliminate the anticipated exceedances of the hazard criterion at locations 8 and 13, the landscape plan for the entry plaza south of the project building and patio west of the project building should provide for additional streets trees, planters, kiosks and other amenities designed to reduce winds near the southwest and northwest corners of the building. Appropriate landscaping should be able to reduce wind speeds at these locations by 10% or more, which would eliminate the predicted exceedance of the hazard criterion.

I hope you find this analysis useful. Please call if you have any questions.

Sincerely,

Donald Ballanti
Certified Consulting Meteorologist

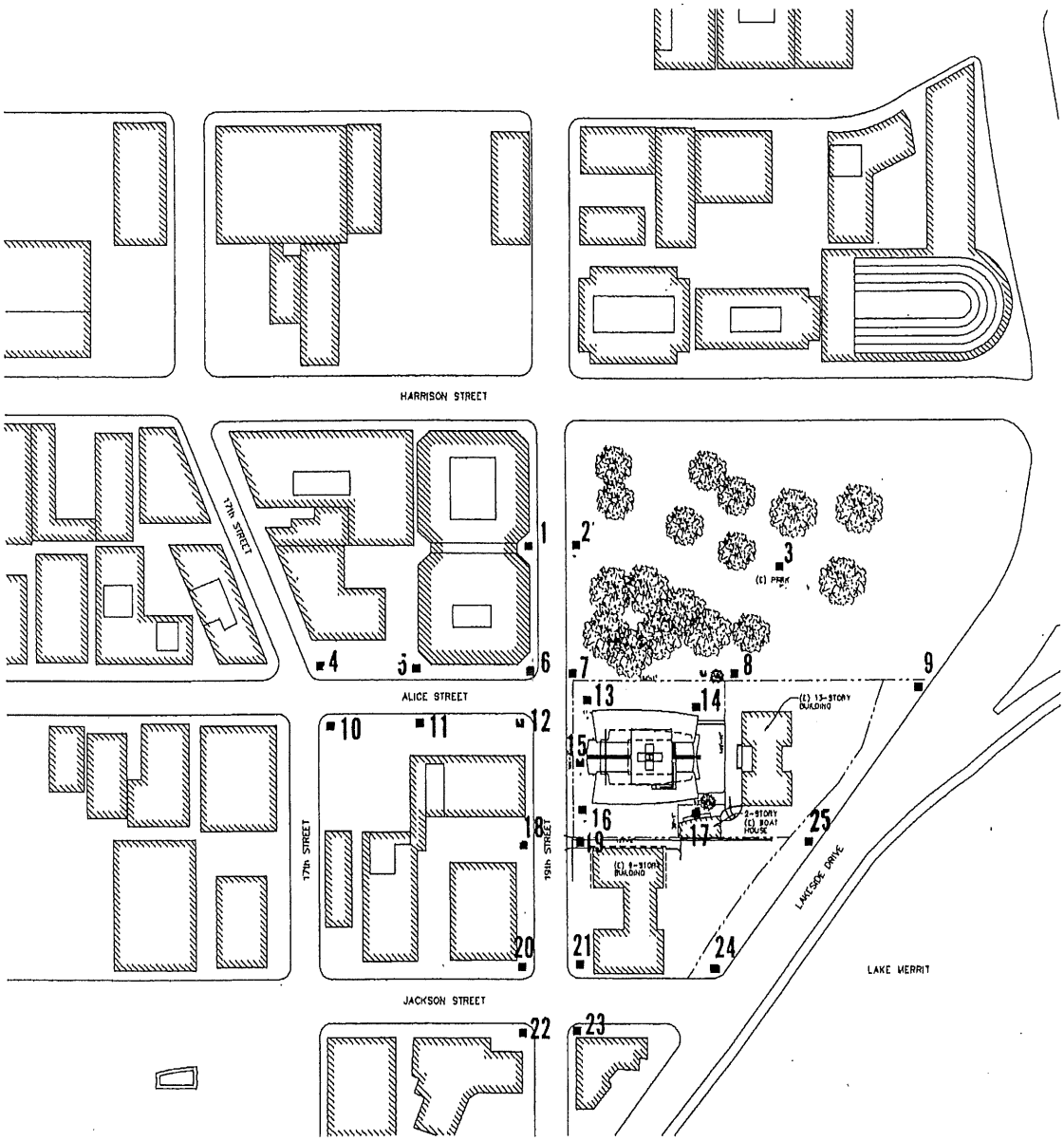
Attachments

Table 1: Wind Hazard Analysis

References		Existing Setting			Project				Cumulative			
Location Number	*Hazard Criterion Speed (mph)*	*Measured Equivalent Wind Speed (mph)*	*Hours per year Wind Speed Exceeds Hazard Criterion*	exceeds	*Measured Equivalent Wind Speed (mph)*	*Hours per year Wind Speed Exceeds Hazard Criterion*	*Hours Change Relative to Existing Setting*	exceeds	*Measured Equivalent Wind Speed (mph)*	*Hours per year Wind Speed Exceeds Hazard Criterion*	*Hours Change Relative to Project*	exceeds
1	36	22			21				23			
2	36	26			31				30			
3	36	26			28				30			
4	36	23			22				24			
5	36	24			31				30			
6	36	31			34				32			
7	36	26			33				33			
8	36	23			39	*6*	*6*	s	37	*3*	*-3*	p
9	36	32			30				33			
10	36	24			26				28			
11	36	35			28				29			
12	36	21			23				26			
13	36	28			40	*7*	*7*	s	38	*4*	*-3*	p
14	36	33			35				36			
15	36	23			28				28			
16	36	31			26				26			
17	36	25			30				31			
18	36	27			28				29			
19	36	27			28				30			
20	36	27			27				27			
21	36	25			23				22			
22	36	19			19				20			
23	36	23			21				22			
24	36	25			25				27			
25	36	27			33				33			
Average mph and %		26 mph	*0 hr*		28 mph	*13 hr*	*13 hr*		29 mph	*7 hr*	*-6 hr*	

Exceedances				Total	2			Total	2	
Counts	*Total*	0	e	*Existing*	0	e	*Existing or Project*	2	
	Existing	0	e	*New, due to scenario*	2	s	*New, due to scenario*	0	s
				New, at new location	0	n	*New, at new location*	0	n
				Eliminated	0	-	*Eliminated*	0	-

Figure 1: Measurement Locations



Donald Ballanti
Certified Consulting Meteorologist

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May 13, 2008

Shannon Allen, AICP
LSA Associates, Inc.
2215 Fifth Street
Berkeley, CA

Subject: Wind Impacts of the 222 19th Street Project Current Design

Dear Ms. Allen:

At your request I have undertaken a review of the current plans and elevations for the 222 19th Street project in Oakland in light of design changes that have occurred since the wind tunnel tests were conducted. The wind tunnel testing was conducted on a scale model based on plans and elevations dated June 15, 2006. The purpose of this letter is to discuss potential wind impacts of the design plans dated October 29, 2007.

The design changes that have occurred since the wind tunnel tests were conducted that might affect wind can be summarized as:

- Addition of minor articulation and cutouts in the building faces to create balcony space at various levels of the building.
- Removal of a small setback at the 35th level, with increased complexity in the floors above this level.
- Modification of the penthouse/roof treatment to provide a taller but more tapered shape.
- Modification of the layout of the lowest floors.

The changes to the design do little to change the height/bulk or overall shape of the structure. There is little difference between the new design and the design tested in the wind tunnel aerodynamically; the new design would have essentially the same massing, orientation and exposure as the earlier design. It would not intercept more wind than the old design and the largest changes occur at the very highest levels which would have upper floors would have the least effect on ground level winds.

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I believe the changes to the design would result in little change in sidewalk pedestrian areas and that if wind tunnel tests were conducted for the new design that the results would be very similar to the results for the earlier design described in my wind tunnel report.[1] I do not believe that wind tunnel testing is justified based on the design changes as the earlier results can be reliably used for the current design.

If you have any questions about this analysis, please call.

Sincerely,

Donald Ballanti
Certified Consulting Meteorologist

[1] Letter from Donald Ballanti, Certified Consulting Meteorologist, to Shannon Allen, LSA Associates, dated February 13, 2007.

APPENDIX F

HISTORIC RESOURCES TECHNICAL REPORTS

CAREY & CO. INC.
ARCHITECTURE

222 19th Street Emerald Views Residential Project
Oakland, California

Historic Resources Technical Report
April 10, 2009

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I. Introduction & Methodology

LSA Associates, Inc. has engaged Carey & Co., Inc. to prepare a historic resources technical report of the 222 19th Street Condominiums project site in Oakland, California. This report provides LSA Associates with a description of the project site and environs, as well as a historical summary of the area. This report also includes an analysis of potential impacts to identified historical resources in or near the project site, and recommended measures for mitigating those impacts.

Carey & Co. prepared this evaluation by conducting a reconnaissance level survey of the project site and conducting archival research concerning the general area. A site visit was carried out on April 21, 2006. During the site visit, Carey & Co. evaluated the existing conditions, historic features, and architectural significance of the site and surrounding buildings. In particular, Carey & Co. verified that the recognized historical resources in or near the project site have retained sufficient integrity to maintain their recognized status. Carey & Co. also researched the history of the project area and environs using the Oakland Cultural Heritage Survey, Sanborn Fire Insurance Maps, Oakland City Directories, historic newspapers, photographs, and other primary sources available at libraries or through the internet. Carey & Co. also reviewed the Statement of Significance for the Schilling Gardens prepared by Finola Reid (Reid, 2007).

This report includes five appendices:

A. Potential Historical Resources In or Adjacent to Project Site
B. Project Location Map
C. Photographs of Project Area
D. Oakland Cultural Heritage Survey, Department of Parks and Recreation Historic Resource Inventory (DPR) Forms, 200 Lakeside Drive and 244 Lakeside Drive
E. Response to Reid Report

II. Summary of Findings

The project site is currently occupied by historic landscaped gardens and is adjacent to two historic 1920s apartment buildings and two associated historic garages. The gardens and four structures are listed on the California Register of Historical Resources, have been found to be eligible for the National Register of Historic Places, and are contributors to two local historic districts. The project site is also adjacent to a public park that is a contributor to a local historic district. In proposing a 42-story condominium tower on the site of the gardens, the proposed project would require complete or near-complete removal of the gardens, and thus would impact the gardens significantly. The proposed project would also significantly impact the four historic structures in the immediate vicinity of the project site (and the local historic districts to which they contribute) by fundamentally altering the structures' setting, which has been identified as a central component of the structures' historic significance.

III. Project Description

The proposed project is a 42-story residential tower that would include 370 units and five levels of below-grade parking. The tower would be approximately 457 feet tall. The residential tower would have an approximate footprint of 12,200 square feet. The below-grade parking structure has a slightly larger "footprint," as it extends outward from all four sides of the tower. All structures and plantings currently on site would be removed or relocated as part of the proposed project.

The wider east and west sides (approximately 135 feet) of the 42-story tower would curve slightly outwards, while the narrower north and south sides (approximately 76 and 104 feet, respectively) would

curve slightly inward. The first three floors would be clad in pre-cast simulated stone panels with aluminum spandrel panels, while floors 4 through 42 would be sheathed in light-green glass. The tower would include a vertical design element on the north and south sides of the building, consisting of notched aluminum composite panel structure. The tower would terminate in a split pyramidal roof-form, with louvered sloped planes. The roof-top feature would be constructed of horizontal brushed stainless steel louvers, separated by a continuous vertical gap. The tower is setback approximately 50 feet from the Regillus apartment building, approximately 55 feet from the 244 Lakeside Drive apartment building, approximately 30 feet from the Schilling Garage, and approximately 37 feet from Snow Park.

IV. SITE DESCRIPTION

The project site and its immediate surroundings are described below.

Schilling Gardens (Project Site)

The proposed project site (222 19th Street, APN 8-634-3) is located in downtown Oakland on the northern edge of the Gold Coast District, adjacent to the Kaiser Center and Lake Merritt District. The site is approximately 31,770 square feet (0.73 acres), and is currently developed with private, formal gardens associated with the historic August Shilling estate. Two historic apartment buildings border the project site: the 12-story apartment building at 244 Lakeside Drive to the north and the 8-story Regillus Apartments at 200 Lakeside Drive to the east. The Shilling house previously stood on the site currently occupied by the Regillus apartment building. A two-story garage, the only building remaining from the Schilling estate, abuts the northeast corner of the project site, as does a larger garage associated with the Regillus apartment building. Snow Park is located immediately west of the site, with commercial and retail high-rise buildings beyond Harrison Street. An office building and a senior housing building lie to the south of the project site, across 19th Street. The northernmost buildings of the Historic Lakeside Apartments District sit a block-and-a-half south of the project site.

The gardens on the project site consist of a semi-elliptical central lawn extending from the rear of the apartment building at 244 Lakeside, with formal garden areas to the east, south and west that slope upwards away from the lawn. A semi-circular stone walkway surrounds the lawn and separates it from the formal gardens. Several benches and smaller footpaths mark the gardens as well. According to the Oakland Cultural Heritage Survey, these gardens include "rich plantings of trees, shrubs, and herbacous flowering plants, including many unusual or exotic specimens" (see Appendix D). The eastern garden area includes azaleas, tree ferns, holly trees, and laurel trees. The western garden area includes magnolia trees, Japanese maple trees, cedar trees, quince, roses, and a variety of other plants. Stone steps lead to a fountain, one of several elements located in the southern garden area. Lower planting areas (closer to the lawn) feature trees, shrubs, and flowers; and upper planting areas have mature redwood trees and a small green house. A rustic-style concrete arbor, composed of imitation tree trunk posts and tree branch beams draped with wisteria and roses, lines the southern boundary of the project site. This arbor, including the wisteria and roses, is part of the original Schilling Gardens. The date of the rest of the flora remains unclear.

A chain link fence surrounds the site and is intermittently covered with vines and bushes. A decorative chain link gate with medallion and paved entrance provide restricted access from 19th Street. The southern and eastern edges of the project site contain a rock embankment, covered in ivy, rising to a maximum of nine feet above the adjacent property. The eastern embankment lines the driveway of the Regillus building and the southern embankment runs along 19th Street.

244 Lakeside Drive
The apartment building at 244 Lakeside Drive, which was completed in 1925, is a reinforced concrete structure of H-shaped plan open to the north and south. The design is in a somewhat unusual two part vertical composition with the shaft rising directly from the understated ground floor, which is treated as a high basement. A highly decorated twelfth-floor level crowns the high shaft. An additional thirteenth floor extends along the stem of the "H," topped with center elevator tower. The main entrance is set in a slightly advancing second-floor pavilion filling the base of the north lightcourt, approached by a double staircase leading to a tile-floored terrace. Front landscaping includes a semi-circular fountain against the stairwalls. The stucco walls are painted a uniform cream color and are embellished with cast cement ornament concentrated around the first floor entrance pavilion and at the twelfth and thirteenth floors. Entry area railings, balustrades, light poles, marquee, door frame, and window grills are of wrought iron. The ornamentation is Spanish Renaissance/Baroque in style and includes twisted column orders with highly decorative friezes, decorative panels, cartouches, human figures and animal heads.

Schilling Garage
On the east side of 244 Lakeside Drive is a two-story, reinforced concrete garage with stucco cladding and Beaux Arts styling. The garage, which dates to 1910, was originally part of the Schilling estate. The garage's footprint is approximately rectangular with a slightly curved west side. Entrance to the garage is on the main north elevation from a driveway along the main building's east side. According to the Oakland Cultural Heritage Survey, the upper level was originally used for carriages and had a revolving floor for turning the carriages around and rehitching the horses. The main north elevation is designed as an enframed pavilion in a two-part vertical composition dominated in the upper level by a large pair of slightly recessed French doors framed by Ionic columns. An entablature extends around the top below a classical balustrade. A belt cornice divides the two levels. The lower level has paired sliding wood doors, each with a large diagonally braced lower panel and two small glazed upper panels. Wall surfaces are scored to imitate a common wall with the adjacent Regillus Apartments garage.

Regillus Apartments and Garage, 200 Lakeside Drive
The Regillus, which was completed in 1922, is a freestanding, eight-story (plus basement), reinforced concrete apartment building situated on a sloped, landscaped site. The basement elevations are exposed on the Jackson Street and Lakeside Drive sides. Although its address is currently 200 Lakeside Drive, the main public entrance has always been on 19th Street at the rear of a broad light court formed by the U-shaped plan of the building. The building is visible from a wide area across Lake Merritt. The building has cast cement ornamental details, a stucco finish, and a sloped tile roof. The entrance marquee and sconces are in iron and glass. The four elevations are fully treated in a three-part vertical composition with restricted base and ornamental top floor level set off by encircling bracketed balconies. Smaller balconies within the shaft of one and two bays' breadth enliven and balance the façades. Ornamentation, described as "Venetian" in the 1922 *Oakland Tribune Yearbook*, perhaps because of the balconies, upper level detail, and the roof, is broadly Renaissance/Baroque in derivation. Notable features include the one-story pavilion entry with its iron and glass marquees (reminiscent of turn-of-the-century French apartment houses) below the apartment's name and decorative detail. The Lakeside elevation has advancing end sections corresponding with the U-plan wings and a first floor terrace with Classical balustrade extending across the center section over the exposed basement level. A handsome branching stairway extending from the center of the terrace leads down to a carefully maintained rear garden, dominated by several large conifers.

On the west side of the garden, at the northwest corner of the property, is a two-story stucco reinforced concrete garage with an entrance on the second level from 19th Street. Surfaces are gray tinted stucco, scored to imitate stone ashlar. The facades are divided into undifferentiated bays consisting of tripled

windows with small upper lights set within slightly recessed wall sections. A simple entablature and plain parapet extend along the top. The garage is bordered on the Lakeside Drive side by a row of mature Lombardy poplars and has a common wall with the former Schilling carriage house (Schilling Garage) that is now part of the 244 Lakeside Drive complex.

Local Areas of Primary Importance
The project site intersects or is immediately adjacent to two local historic districts: the Lake Merritt Area of Primary Importance (API) and the 244 Lakeside Drive Building Group API.

Lake Merritt API
According to the Oakland Cultural Heritage Survey, the Lake Merritt API includes "Lake Merritt itself, the parklands on its shores, the buildings within those parks, and all buildings fronting on the lake which were constructed over 50 years ago and are now reasonably intact. Some newer structures, compatible with the older ones, are also within district boundaries." As of 1986, when the API was established, the API included approximately 85 buildings, structures, objects, and cultural landscapes. Additional structures have since surpassed 50 years of age and/or may have gained historical significance in their own right and may now also be considered contributors.[1]

244 Lakeside Drive Building Group API
The 244 Lakeside Drive Building Group API was defined in 1984 as part of the OCHS, and includes three contributors: the 244 Lakeside Drive Apartments, the Schilling Garage and the Schilling Gardens. The 244 Lakeside Drive Building Group API lies entirely within the larger Lake Merritt API, and its contributors are also contributors to the Lake Merritt API.

V. Previous Evaluations of Historical Significance

There are five resources on or immediately adjacent to the project site that are listed in the City of Oakland's Local Register of Historical Resources. According to the Office of Historic Preservation's *Directory of Properties in the Historic Property Data File for Alameda County*, four of these resources are on the California Register of Historical Resources.

Resource	OHP Rating	OCHS Rating
200 Lakeside Dr. – Regillus Apartments and Garage	3B	A1+
244 Lakeside Dr. – Lakeside Drive Apartments	3B	A1+
244 Lakeside Dr. – Schilling Gardens	3D	A1+
244 Lakeside Dr. – Schilling House Garage	3D	B1+
Snow Park	N/A	C1+

A resource rated "3D" by the California Office of Historic Preservation (OHP) appears eligible for the National Register as a contributor to a National Register-eligible district through survey evaluation, while a resource rated "3B" appears eligible for the National Register both individually and as a contributor to a National Register-eligible district through survey evaluation. As described in greater detail below, these resources are thus each historical resources for purposes of the California Environmental Quality Act (CEQA). Based on Carey & Co.'s site reconnaissance and archival research, we concur with the previous evaluations.

[1] Oakland Cultural Heritage Resources Survey, "Lake Merritt District (Portion within Adams Point Neighborhood), Historic Resource Inventory, DPR 523, June 30, 1986.

The Oakland City Planning Department surveyed the Regillus Apartments and the complex at 244 Lakeside Drive, including the Lakeside Drive Apartments and the Schilling Garage and garden, as part of the Oakland Cultural Heritage Survey (OCHS), and the City of Oakland's local register of historical resources includes each resource. The OCHS gives the Schilling Gardens a rating of "A1+".[2] A resource given an "A" rating is of "highest importance," representing "an outstanding architectural example or extreme historical importance." Oakland has a total of about 150 such properties. A resource given a "1" rating is in an API or National Register-quality district, while the "+" indicates that the building is a contributor to the API in which it is located. In this case, the API is the 244 Lakeside Drive Building Group. Thus the Schilling Gardens' A1+ rating indicates that it is a resource of highest importance that is also a contributing resource to an area of primary importance.

Based on OCHS evaluation sheets supplied to the consultant by City of Oakland Historic Preservation Planner Betty Marvin, the Regillus Apartments and Garage (which were evaluated together) and the Lakeside Drive Apartments were also given OCHS ratings of A1+, while the Schilling Garage received an OCHS rating of B1+. A resource given a "B" rating is of "major importance," representing an "especially fine architectural example [and/or] major historical importance." Thus the Schilling Garage's B1+ rating indicates that it is a resource of major importance that is also a contributing resource to an area of primary importance. There are a total of about 600 B-rated properties in Oakland. The Regillus Apartments and Garage are contributors to the Lake Merritt API, while the Schilling Garage, Schilling Gardens and Lakeside Drive Apartments are contributors to the 244 Lakeside Drive Building Group API (and thus also to the Lake Merritt API).

The fifth historical resource in the vicinity of the project site, Snow Park, was evaluated in the 1980s as part of the Oakland Cultural Heritage Survey. It was given a rating of C1+ based on the park's visual character, the presence of several old trees, and the park's historic association with the former house/museum. A resource given a "C" rating is of "secondary importance," representing a "superior or visually important example." C-rated resources, of which there are approximately ten thousand in Oakland, "warrant limited recognition."[3] Snow Park's C1+ rating indicates that it is a resource of secondary importance that is a contributing resource to an area of primary importance, in this case the Lake Merritt API. Thus, while it has not been deemed eligible for the National or California Registers, it is listed in Oakland's Local Register of Historical Resources.

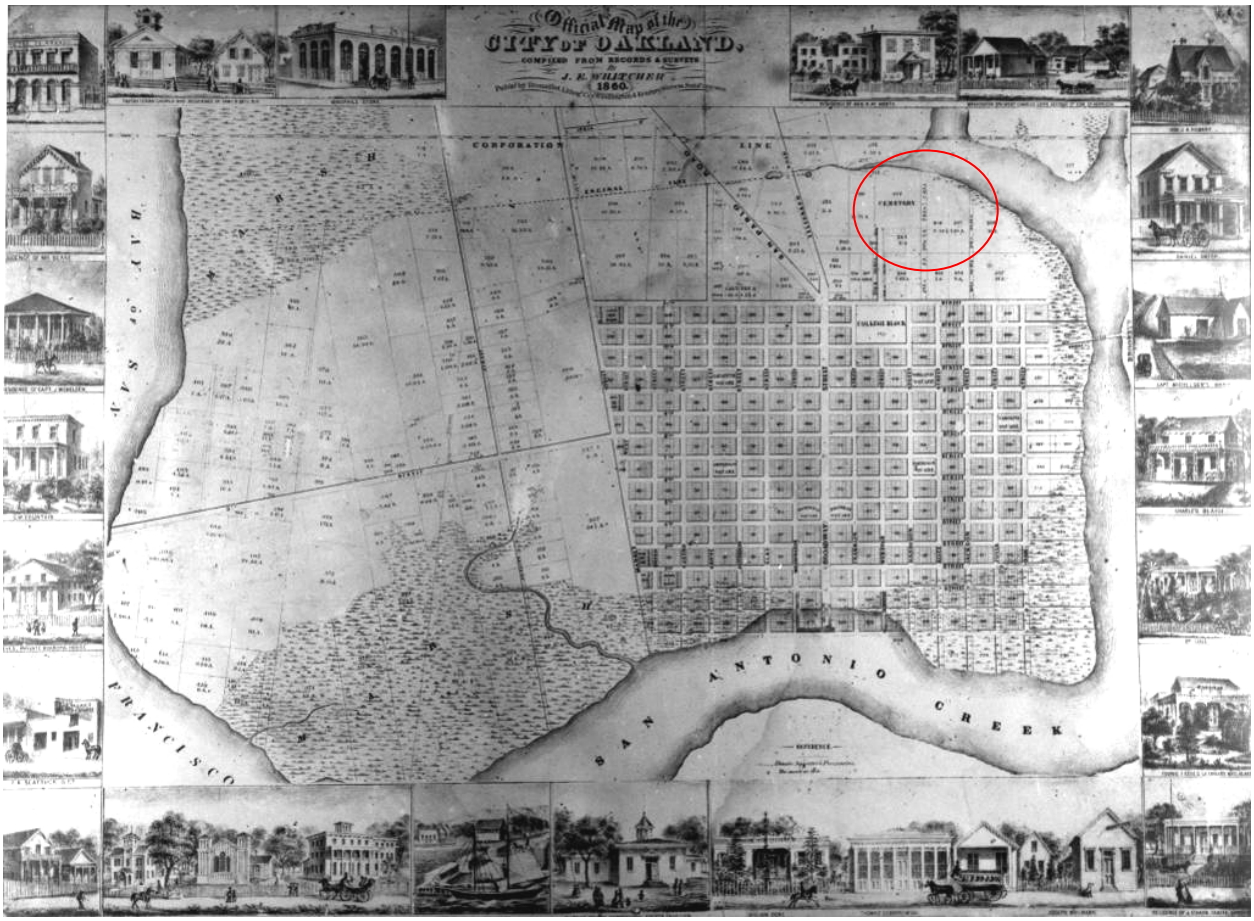
VI. HISTORIC CONTEXT

The following descriptions of the layout and historical significance of the Schilling Gardens and its surroundings are drawn from the State Department of Parks and Recreation (DPR) forms completed as part of the Oakland Cultural Heritage Survey (the complete forms are included in Appendix D), updated as needed through Carey & Co.'s more recent site visit and archival research.

[2] Community and Economic Development Agency (CEDA) website, "Summary of Historical and Architectural Rating System," Oakland, California, http://www.oaklandnet.com/government/ceda/revised/planningzoning/HistoricPreservation/HP-overviewH.html.

[3] Community and Economic Development Agency (CEDA), "Summary of Historical and Architectural Rating System," Oakland, California, http://www.oaklandnet.com/government/ceda/revised/planningzoning/HistoricPreservation/HP-overviewH.html. Accessed April 3, 2008.

Lake Merritt and Public Recreation in Oakland



Map of Oakland in 1860. The part of San Antonio Slough that would become Lake Merritt appears at the upper right, just above the bridge. Speckled areas represent marshlands. Note, the word "cemetery" is marked next to the future Schilling estate, on the site of Snow Park (parcels circled in red). Oakland History Room, Oakland Public Library (OPL).

To this day the City of Oakland can lay claim to being the only city in the world with a centrally located natural, tidal, saltwater lake. The lake originated as a tidal slough, known as San Antonio Slough, with grassy marshes exposed along the edges during low tide, then covered with a sheet of water at high tide. Four major creeks flowed from the hills into the slough, and all waterways dumped the city's sewage in this central body of water. In 1869, while he was mayor, Dr. Samuel Merritt funded the construction of a dam at Twelfth Street, thus creating Lake Peralta, popularly known as Lake Merritt. At first the lake produced a rank odor, for the dam reduced the strength of the tide and the city's sewage could no longer flow from the slough into the estuary and beyond.[4]

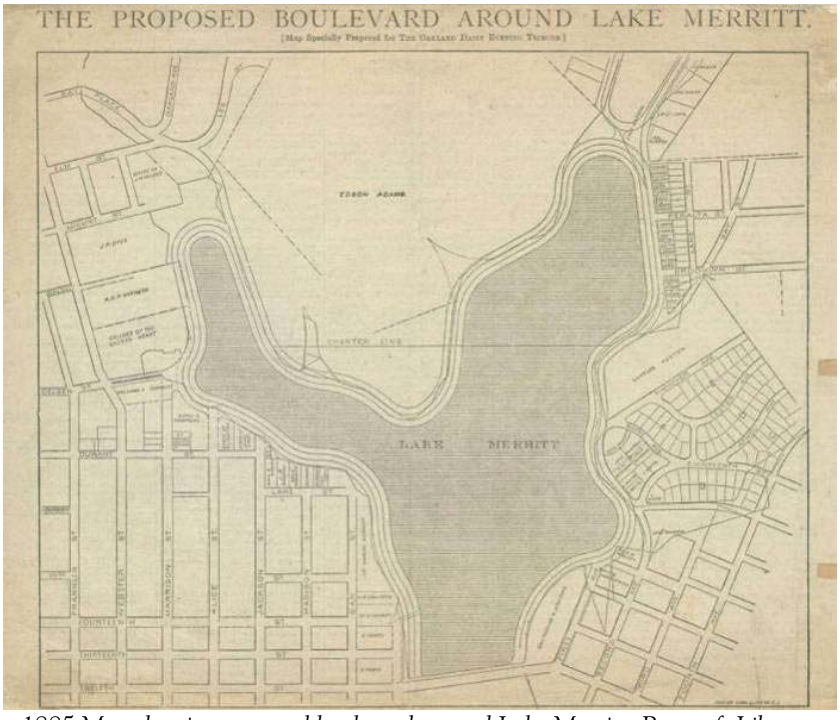
Urban parks gained popularity during the nineteenth century. American cities began to grow at an astonishingly rapid pace from the 1830s on, resulting in overcrowding, unsanitary conditions, and a large heterogeneous population of non-agricultural workers. Park advocates believed that exposure of the general public to high quality outdoor environments would encourage individuals to improve the quality of their own lives, leading to improvement in the condition of society as a whole. Until the mid-

[4] Beth Bagwell, *Oakland: The Story of a City* (Oakland, 1982), 123-128; John Heintz, "The Early Development of Lake Merritt, Oakland, California: 1852-1907" (Masters thesis, California State University, Hayward, 1992), 3, 20.

nineteenth century, however, private homes opened their elaborate gardens to the general public without charge, for few cities featured public recreational spaces.[5] Oakland was no exception.



Map of Oakland, ca. 1869, showing the dam that created Lake Merritt. The rest of the inlet to the estuary had not yet been culverted. OPL.



1885 Map showing proposed boulevard around Lake Merritt. Bancroft Library.

[5] Roy Rosenzweig and Elizabeth Blackmar, *The Park and the People: A History of Central Park* (Ithaca, 1992); Roy Rosenzweig, *Eight Hours for What We Will: Workers and Leisure in an Industrial City, 1870-1920* (New York, 1983).

Once the city solved the sewage problem, Lake Merritt became a prime site for real estate and recreation. Tensions between public and private interests in the lake soon arose, leading to contentious and decades-long debates about public access versus private property rights. Mansions sprang up along the shores of Lake Merritt, resulting in one of the most exclusive residential enclaves in the San Francisco Bay Area. City residents could rent skiffs, dinghies, and canoes from lakeside homeowners, and Edson Adams, one of the founders of Oakland, owned a vast amount of undeveloped land on the north shores that residents used for picnicking and other activities, but no official public property surrounded the lake. As noted above, homeowners sometimes opened their estates to the public for recreational purposes as well. Proposals for creating a grand boulevard around the lake and a public park on the Adams' property first surfaced during the 1880s, but attempts to fund such public projects with bond measures failed multiple times. The Southern Pacific Railroad proved to be the most important landowner. It had acquired the lake itself in 1868 as part of a larger legal settlement between the City of Oakland and the Oakland Waterfront Company. For a time, Collis P. Huntington, one of the Big Four who had built the Central Pacific portion of the transcontinental railroad, wanted to fill in the lake and build a train station on it for the Southern Pacific Railroad.[6]

Oakland officially acquired the lake in 1891, but only during the administration of Mayor Frank Mott, between 1905 and 1915 (by which time most of the old mansions had been torn down), did such ideas become a reality. During the thirty-year interim, Oakland residents depended on the generosity of private homeowners to gain access to their prized lake and its surrounding shoreline.[7] And by the early twentieth century, August Schilling's grounds had come to be the most famous and most popular of lakeside gardens.

August Schilling & Co.

August Schilling immigrated from Bremen, Germany, to San Francisco in 1870, at the age of sixteen. After fabricating optical instruments for a time, he found work at J. A. Folger & Co., a prominent coffee, tea, and spice company in San Francisco. Five years later Schilling had risen to the ranks of partner, but in 1881 he parted with Folger and teamed up with George F. Volkmann, also from Bremen, to form A. Schilling & Company. Within two decades, A. Schilling & Co. established itself as the West Coast leader in spices.

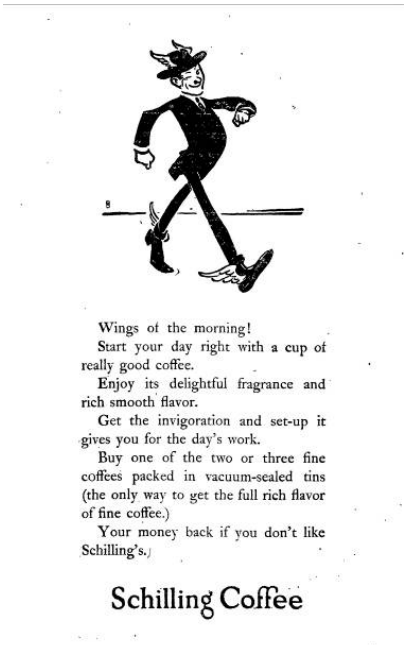
As was customary at the time, A. Schilling & Co. adulterated its products, cutting coffee with chicory, artificially coloring tea, mixing almond shells with cinnamon. From the outset, however, Schilling produced pure baking powder, consisting of refined grape cream of tartar and English bicarbonate of soda. The baking powder proved popular – indeed, it became the backbone of the business – prompting the company to revolutionize the spice industry by producing an entire line of unadulterated goods known as "Schilling's Best." Packaged in red boxes with gold lettering, these products dominated the grocery store spice shelves and set a new industry standard for quality. So ubiquitous and distinctive did Schilling spices become that the color of the packaging was known as "Schilling red" in the printing trade. As one writer has commented, Schilling spices were "familiar to anyone who was ever in a grocery store anywhere between San Francisco and the Mississippi River" and filled cupboards in homes throughout the west.[8]

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[6] Bagwell, *Oakland*, 123-128; Heintz, "Lake Merritt," 60-92, 118.
[7] Ibid.
[8] Daniel G. Volkmann, "Sixty-Five Years of A. Schilling & Company," (San Francisco, 1949); George Rathmell, "The Spice Boys: Schilling & Volkmann," *The Nob Hill Gazette*, September 2001. Both reprinted at http://www.allelementsdesign.com/schilling, accessed February 1, 2008.









Advertisements for and a grocery store display of A. Schilling & Co. products. The coffee ad appeared in the Oakland Tribune, November 6, 1920, p. 2; the others are from http://www.allelementsdesign.com/schilling/company/spices/ads.html, accessed February 1, 2008.

A. Schilling & Co. also implemented innovative business practices that earned it a widespread reputation for treating employees and customers with respect. Most significantly, the company listed the ingredients of its products on the packaging, a convention that predated by several years the 1906 Pure Food and Drug Act's requirement that such information be included on all food labels. Offices also closed at noon for lunch, a tradition that the industry followed for decades to come, and Schilling not only offered money back to dissatisfied customers, but also allowed them to keep the product. In 1931, upon the fiftieth anniversary of the company's founding, a number of leading California politicians and businessmen expressed sentiments similar to those of Angelo Rossi, mayor of San Francisco: "You have

established a reputation for integrity, efficiency and civic spirit which is a credit to you and a help to all of our citizens."[9]

August Schilling died in 1934, marking the end of an era.[10] The company had survived many economic highs and lows, but the next dozen years presented the greatest challenges. Following Schilling's death, employees and members of the Volkmann family bought his shares in the corporation. In 1940 the corporation dissolved into a partnership with no change in ownership, only to be reincorporated in 1946, following the death of George F. Volkmann. World War II put a strain on the international spice industry and, as home baking declined in popularity so did demand for baking powder. Schilling ceased production of its once revolutionary product in 1945. McCormick & Co., Inc., of Baltimore, bought A. Schilling & Co. in 1947. It continued to use the Schilling name for decades, and combined the red and white Schilling packaging with the red, white, and blue label of the McCormick brand. Today, the red tops and banner of McCormick spices still evoke A. Schilling & Co., the spice giant of the West Coast.[11]

Schilling Estate and Gardens

The fortune that August Schilling amassed in the spice industry allowed him to purchase property in the San Francisco Bay Area's most exclusive locations. For the last twelve years of his life, Schilling spent most of his time at an apartment building in San Francisco's Nob Hill neighborhood, or at Portola Hall, his vast country estate in San Mateo County. For more than thirty years, however, Schilling resided primarily at a Victorian mansion on the shores of Lake Merritt. According to the Oakland Cultural Heritage Survey, the August Schilling estate was "one of the grand nineteenth century residences that characterized the Lakeside neighborhood prior to its twentieth-century development as an apartment district." The Schilling house stood on the east end of the estate facing Jackson Street, on the site currently occupied by the Regillus Apartments. Lakeside Drive had not yet been constructed, and the north side of the Schilling property directly bordered Lake Merritt. Sanborn maps indicate that Schilling modified the house over the years, but he spent more energy on the vast gardens surrounding the home, gardens that came to be among the most celebrated in all of Oakland.





Left: Seely residence and grounds ca. 1880s, as they looked when August Schilling bought the land. OPL. Right: Gates from Lake Merritt to Schilling's gardens, ca. 1910. Oakland Heritage Alliance.

[9] Ibid.; Angelo Rossi to August Schilling, August 31, 1931, in August Schilling and George F. Volkmann, *Greeting to August Schilling on the Golden Anniversary of A. Schilling and Company, September 8, 1931* (San Francisco, 1931).
[10] At the time of his death, August Schilling's fortune amounted to $640,000 (the equivalent of over $13 million in 2007), and included shares in A. Schilling & Co., Leslie Salt, Holzwarth Gas Turbine Company, and properties in San Francisco and Woodside. "Family Given Vast Estate of Schilling," San Francisco *Chronicle*, August 17, 1934.
[11] Daniel G. Volkmann, "Sixty-Five Years of A. Schilling & Company," (San Francisco, 1949); George Rathmell, "The Spice Boys: Schilling & Volkmann," *The Nob Hill Gazette*, September 2001. Both reprinted at http://www.allelementsdesign.com/schilling, accessed February 1, 2008.

Schilling loved plants, particularly exotic ones, and was known to have designed the gardens associated with his properties outside of Oakland. In 1903, for example, A. Schilling & Co. constructed a Classic Revival factory and office building at the corner of Second and Folsom in San Francisco, and rebuilt it after the San Francisco earthquake and fires of 1906. A Japanese tea garden occupied the space between the factory and office buildings, which August Schilling designed. Schilling also developed the grounds of Portola Hall and landscaped it with rare species and "tender plants of highest modern cultivation."[12]



Japanese tea garden at Schilling factory, San Francisco, 1904, from http://www.allelementsdesign.com, accessed February 1, 2008.

In all likelihood, August Schilling was involved in designing the gardens at his estate in Oakland as well. City directories first list August Schilling at the former estate of Jonas Seely in 1889. The gardens were well known and open to the public at all times until 1900, at which point vandalism to gardens compelled Schilling open the gates for special occasions only. He hung a black and gold lettered sign over the Jackson Street entrance to notify the public that were welcome to enter the gardens when the gates were open and why they were no longer welcome at all times. The gardens reached a new level of local acclaim after 1900 when Schilling bought several acres of land immediately to the west and expanded them.[13] At their height, the gardens occupied the entire 244 and 200 Lakeside Drive sites. The remaining gardens are approximately 188 feet by 185 feet, roughly one-third the size of the original gardens. No records enumerate the plantings or describe exactly the plan of the site, but historic photographs and postcards show an abundance of palm trees, ferns, and (then) exotic plants, willow trees, rose bushes, eucalyptus trees, and redwoods. The gardens also included fountains, benches, a playhouse, and other lawn furniture. (See postcards, photos, and Sanborn maps on following pages.)

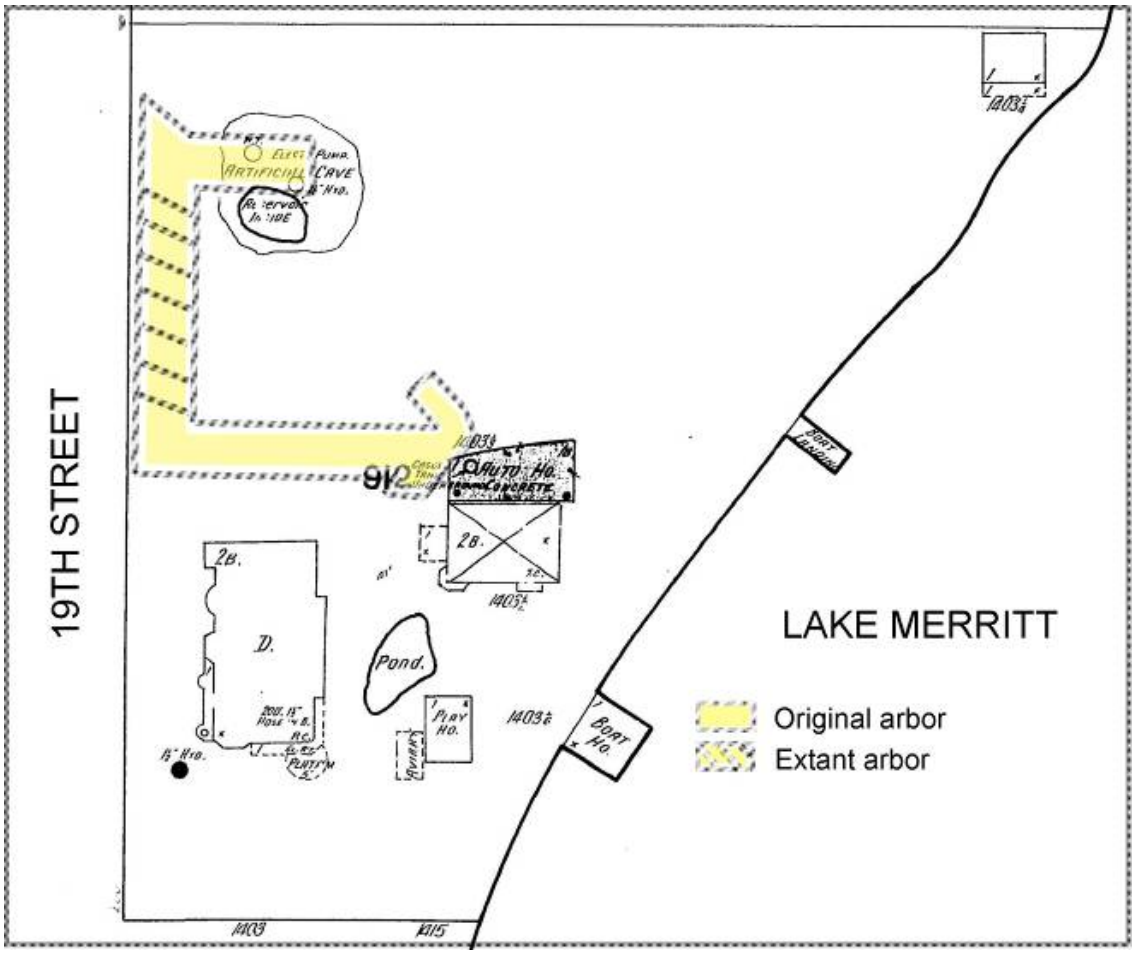
The most distinctive feature of the post-1900 expansion was the construction of a concrete arbor, called the "hanging gardens", which was designed to imitate bare trees. While wisteria and roses soon covered the exterior and created a canapé overhead, the interior housed electrical wiring for outdoor lighting. According to files in the Oakland Cultural Heritage Survey, the arbor was built by Japanese craftsmen. Rustic arbors, built of natural or artificial tree trunks and branches, and similar types of romantically primitive or picturesque structures, such as Schilling's now-vanished cave, were highly characteristic of late nineteenth-century landscaping design, reflecting the influence of Alexander Jackson Downing and

[12] *Portola Hall: A Description of the County Estate of August Schilling Situated on the Wooded Slopes of the Portola Hill, San Mateo County, California* (San Francisco: Leighton Press, [n.d.]). 5, 10-11.
[13] "August Schilling Buy the Shafter Place," San Francisco *Call*, January 24, 1900, p. 11; DeWitt Jones, ed., *Oakland's Parks and Playgrounds* (Oakland, 1935), 273-274.

others. The execution of such structures in concrete recalls more common small-scale concrete "tree branch" garden fences and furniture; a large-scale concrete arbor, however, was highly unusual.[14]



Left: Concrete Arbor, not long after construction. Note light bulbs. Right: Vines beginning to cover arbor. OPL.



Schilling estate and gardens, ca. 1912. Shaded area indicates original concrete arbor, ca. 1903. Recreated from 1903 and 1912 Sanborn maps.

[14] 244 Lakeside Drive Apts. file, Oakland Cultural Heritage Survey, Planning Department, Oakland, California.

Schilling altered the arbor to accommodate other changes in the garden. Originally, the arbor formed a u-shape; it ran from the center of the property, next to the servants' house, southwest to Nineteenth Street, and then ran northwest, parallel to Nineteenth Street, before turning northeast for a short distance, not far from the northwest property line. By 1910, only the portion running parallel to Nineteenth Street – the portion that survives today – remained standing. That year, Schilling hired Bluxome and Co. to construct a $10,000 Italianate, reinforced concrete garage that required access from Nineteenth Street; a driveway thus replaced the long northeast-to-southwest ell of the concrete arbor. Around the same time, Schilling built an artificial cave, complete with a reservoir inside, at the northwest corner of the garden. This addition required the removal of the short southwest-to-northeast ell of the arbor.[15]





Postcards depicting the Schilling Gardens. Oakland Heritage Alliance.

The Schilling estate became an Oakland institution. Influential residents of San Francisco and the East Bay congregated there; society pages frequently detailed parties that the Schillings hosted for up to 500 people in their home and gardens. Reporters consistently described the gardens as "fascinating" and "among the most picturesque on this side of the bay."[16] Like other private residences along Lake Merritt, the Schilling estate appears to have served the public as well. Two boat houses provided moorings for recreational sailors and, on at least one occasion, the Oakland *Tribune* reported that a party of young adults anchored their boat at the gate to the Schilling Gardens and invited themselves in for a stroll. The Schilling family was vacationing in Europe at the time and apparently had left the gates open to the public. One of the evening strollers fell into the pond.[17] The gardens garnered international attention too; a celebrated Dutch artist of the period, Mynheer Antoon Molkenboer, traveled to San Francisco to document in oils the grim aftermath of the earthquake and fires of 1906. He made a special trip to Oakland to create a painting of the Schilling Gardens, which, along with the San Francisco paintings, exhibited at a New York gallery on Fifth Avenue.[18] People who did not visit the grounds directly could purchase any of several postcards that depicted the Schilling Gardens, or "Schilling Park," rendering the gardens a cheap and popular form of public consumption.[19]

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[15] "En Route Home," Oakland *Tribune*, March 12, 1910; Sanborn Fire Insurance Co., "Oakland," (1902-1903), map no. 149; (1911-1912), map no. 166; *Architect and Engineer*, 35 (December 1913), 83.
[16] "Mrs. Schilling's Large Affair," Oakland *Tribune*, October 8, 1904, p. 7; "News of Society Across the Bay," San Francisco *Call*, June 26, 1909, p. 12; "Tea at Schilling Home Beside the Lake," Oakland *Tribune*, April 19, 1913, p. 10.
[17] "Fall into Lake While Strolling in Garden," Oakland *Tribune*, August 8, 1914, p. 14.
[18] "Paintings of Ruins," New York *Times*, November 18, 1906, p. 7; "The Meddler," Oakland *Tribune*, December 1, 1906, p. 8.
[19] See postcards of the Schilling Gardens at Oakland Heritage Alliance, http://www.oaklandheritage.org/schilling1.htm.

Regillus Apartments and 244 Lakeside Drive

August Schilling sold his Lake Merritt estate around 1921. Over the next five years, two luxury apartment buildings, the Regillus (1922) and 244 Lakeside Drive (1924-1925), replaced the Victorian mansion. As noted earlier, previous surveys have determined the two apartment buildings eligible for the national register both as individual structures and as elements of a district. While these structures led to the destruction of sections of the Schilling Gardens, developers incorporated the remaining gardens into the building designs and referred to them as key selling points.



Modern Eight Story Apartment House To Be Built on Shore of Lake Merritt

New eight-story apartment house which is to be constructed on the Schilling property at Nineteenth and Jackson streets, facing Lake Merritt. This shows how the building will actually look when constructed.



Investigate— Buy Carefully

Investigate the practicability and actual operation of the community home idea at 244 Lakeside Drive. You can inspect a community apartment which has been completed and successfully operated for more than a year. Two homes are still available.

The structure is surrounded by nearly two acres of beautifully landscaped gardens, in the heart of Oakland—twelve minutes' walk from the city hall. The garden at the rear of the building with its large frontage on 19th street will eventually nearly repay the cost of one of these homes.

244 LAKESIDE DRIVE

Shown by Appointment—Phone Lakeside 81

Above: Publicity for Regillus Apartment building, Oakland Tribune, June 25, 1921. Right: Ad for 244 Lakeside Drive, Oakland Tribune, August 7, 1927.

Architect Willis Lowe (1882-1969) designed the Regillus apartment building for contractor and real estate developer Percival A. Palmer (1885-1970) in 1921. Lowe was a graduate of the University of California Berkeley and developed a reputation as "one of the foremost San Francisco architects" in the twenty-fives years leading up to plans for the Regillus. He worked on several projects with Palmer, a trained civil engineer whom the *Oakland Tribune* described as "a leader in building circles of Oakland, San Francisco, and other cities in California."[20] The garage was built separately under Building Permit 67210, issued March 26, 1922, which shows Palmer as the owner and contractor and the cost as $20,000. The original plans again show Willis Lowe as the architect. According to the Oakland Cultural Heritage Survey, the Regillus "is a good example of its style but is most distinguished by its siting, landscaping and prominence on Lake Merritt…. Like its neighbor, 244 Lakeside Drive, the Regillus exemplifies the great era of apartment building for the rich of the 1920s and was probably the first of these structures to have been built in Oakland, particularly on the shores of Lake Merritt (*Oakland Tribune*, February 9, 1969). Referred to as 'the finest in the West' (*Oakland Tribune Yearbook*, 1922) and considered by some to be the best address in Oakland (*Oakland Tribune*, March 30, 1975), the Regillus is the residential

[20] "Contains Forty Apartment Homes of distinction," Oakland *Post-Enquirer*, April 8, 1922.

counterpart of some of the city's most prominent skyscrapers of the same era in its clientele and its impact on the image and character of the city."

Initial reports about the Regillus noted specifically that "the gardens around the home will be maintained."[21] The Oakland *Post* later published a three-quarter-page spread on the Regillus in 1922, just before it opened. In addition to touting the apartment building as a tribute to Oakland's growth and "the last word in the builders' art, combining artistry, durability, modernism and every convenience," the article emphasized the structure and site's link to the Schilling family and estate. Designed to house wealthy and prominent business and political leaders, the Regillus would carry on the tradition of the Schilling estate as "the gathering place for the leading men and women of the bay district" and "the social center of the city." Tenants would further enjoy the "enchant[ing]" Schilling Gardens, with their palms, grottoes, plants, and flowers. A new iron fence enclosed the gardens and provided privacy for the residents, underscoring indirectly the semi-public access to the gardens in previous decades.[22]

The Regillus underwent a careful $1,000,000 renovation in 1974-75 (*Oakland Tribune*, March 30, 1975). Further renovation occurred in the late 1970s when it was converted to condominiums (*Oakland Tribune*, September 19, 1978 and January 4, 1979). It continues to operate as one of Oakland's finest, large, multiple-unit residences and retains much of its original opulence. According to the Oakland Cultural Heritage Survey, the Regillus' "large-scale, distinctive monumental design and prominent Lake Merritt location make it an especially familiar, visual landmark in Oakland, closely identified with the image of Lake Merritt."

Two years after the Regillus opened, plans commenced to build a $500,000, 12-story, 20-unit luxury apartment complex at the northern quarter of the former Schilling estate. In 1925 Maury Diggs (1880-1953) designed and served as structural engineer for 244 Lakeside Drive. He was among the most enterprising and colorful of Oakland's early twentieth-century architects. An obituary in the January 20, 1953 *Oakland Tribune* describes him as "a sportsman, promoter and inventor." Between 1926 and 1928 he lived at 244 Lakeside Drive too, reflecting his tendency to become personally involved with his major projects. His other large buildings in Oakland include the 1925-26 Latham Square Building at 1601-15 Telegraph Avenue and, in association with Weeks and Day, the 1927-28 Fox Oakland Theater complex at 1807 Telegraph Avenue. In addition to his roles as architect, contract and engineer for both of these projects, Diggs acted as financial organizer (serving as secretary of a development corporation) and, when the buildings were finished, project manager. His projects outside of Oakland included Bay Meadows, Golden Gate Fields and Hollywood Race Tracks, the San Jose State Teachers College and San Quentin Prison. Early in his career he worked as California State Architect. After retiring from architecture, Diggs became an inventor, and his innovations included new types of paint and insecticide.

Like the Regillus, newspaper reports and promotional literature touted 244 Lakeside Drive as a tribute to Oakland's progress. And again, this literature emphasized the Schilling Gardens as a unique selling point. According to the Oakland Cultural Heritage Survey, the Schilling Estate sold the southwestern third to

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[21] "Modern Eight Story apartment House to be Built on Shore of Lake Merritt," Oakland *Tribune*, June 25, 1921, p. 1.

[22] The *Blue Book and Club Directory*, a leading social register of the period, listed eight residents of the Regillus in 1925 and ten in 1927. These residents included several important business and political figures, including department store operator Sherwood B. Swan, of Swan's 10th Street Market, construction company president Dwight Hutchinson, Henry Kennedy Jackson of the well-known Jackson's Furniture Store, real estate developer Frank J. Woodward, theater manager Rex William Midgley, and Judge William H. Langdon. "Contains Forty Apartment Homes of Distinction," Oakland *Post-Enquirer*, April 8, 1922. Oakland – Apartment Buildings folder in Pamphlet Files, Oakland History Room, Oakland Public Library.

the Lakeside Apartment owners as a separate parcel with the condition that the "hanging gardens" remain intact. To that end, one writer wrote, "The beautiful Schilling grounds in the rear have been purchased and remain intact… and the acquisition of these grounds excludes any possibility of future construction which could cut off any part of the view."[23] Real estate advertisements in 1927 further argued that "the garden at the rear… will eventually nearly repay the cost of one of these homes."[24] Three years later reporters continued to note the lawns, gardens, and city-owned [open space] property that surrounded the building and lent it both physical beauty and good investment value.[25]

The Bechtel Family

One of the original residents of 244 Lakeside Drive was the Warren A. Bechtel family. Born in 1872 on a stock farm in Freeport, Illinois, William Bechtel worked as a laborer at an Oklahoma railroad yard before moving to Oakland in 1904. Upon his arrival in California, Bechtel joined the E. B. and A. L. Stone contracting firm, for whom he superintended construction of the Richmond Belt line Railroad and in grading the Santa Fe from Richmond to Oakland. Bechtel took his first subcontracting job in 1906. He founded Bechtel Company (later Bechtel Corporation and Bechtel Group) in 1925 and soon developed one of the best known contracting and engineering firms in the west for building irrigation ditches, rail lines, and natural gas and oil pipelines, including one from Texas to Chicago, the longest oil pipeline at the time. Among Bechtel's greatest accomplishments was to play a pivotal role in organizing the Six Companies, a conglomeration of six firms under one head, to bid successfully for the $50 million contract to build Hoover Dam. At the time of Warren Bechtel's death in 1931, his company was under contract to build the San Francisco-Oakland Bay Bridge. Bechtel's sons, Stephen D., Kenneth K., and Warren A., Jr., took over control of the company. [26]

Stephen D. Bechtel (1900-1989) led Bechtel Group from 1935 to 1960. As *Time* magazine wrote, "He and his company did build not just pipelines and refineries but also airports, ships, power plants, dams, factories, bridges, hotels, transit systems and even an entire city (Jubail, Saudi Arabia) in 140 countries on six continents." Among the most famous and difficult of those projects was the Trans Mountain Oil Pipeline across the Canadian Rockies from Alberta to Vancouver. In 1947 Bechtel Group constructed then the world's longest pipeline across Saudi Arabia, establishing a longtime relationship with the Arabian kingdom. During his tenure as president, annual revenues grew from less than $20 million to over $460 million. At times condemned as one of the most secretive corporations in the country and overly influential in high government offices, Bechtel Group became undeniably one of the most powerful and best known engineering and contracting firms in the world. Indeed, *Time* magazine listed Stephen D. Bechtel as one of the 100 most important people of the twentieth century.[27]

Bechtel's resume expanded beyond the family business as well. During World War II, he was chairman of California shipbuilding Corporation and director of Marinship Corporation. In addition to his business ventures, Stephen Bechtel served as chairman of the Business Advisory Council of the U. S. Department of Commerce; on President Eisenhower's Advisory Committee on a National Highway Program; as a consultant to the National Security Commission; and as the director of the Stanford Research Institute. Stanford University also elected Bechtel to the Board of Trustees in 1959.[28]

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[23] "New Apartment Home Structure Marks Progress," Oakland *Tribune*, May 20, 1926m p. 8-M.
[24] Advertisement, Oakland *Tribune*, August 7 & 14, 1927, Development Section, p. 1.
[25] "Lake Homes to be Auctioned," Oakland *Tribune*, November 12, 1930, p. D-11.
[26] "Death Takes Bechtel of Bay Bridge," Oakland *Tribune*, August 28, 1933, p. 1; "Bechtel Estate Set at $153, 693," in ibid., May 22, 1941, p. 13.
[27] "Time 100: The Most Important People of the Century: Stephen Bechtel," *Time*, December 7, 1998; Andrew Pollack, "Stephen D. Bechtel Is Dead at 88," *The New York Times*, March 15, 1989.
[28] "Engineer-Builder Bechtel Gets Trustee Post at Stanford," Oakland *Tribune*, November 22, 1959, p. 29.

While Stephen Bechtel was building the family business and fortune, he and his wife Laura Peart Bechtel and their children lived at 244 Lakeside Drive. They became so identified with the building that locals referred to it as the Bechtel Building and the ballroom was named the Stephen D. Bechtel ballroom. By the 1950s the Bechtel name had also become associated with the former Schilling Gardens, with Laura Bechtel occasionally guiding tours of the "delightful" gardens. The reputation of the Bechtel gardens continued for decades. In 1975, when the neighboring Regillus apartment building was undergoing renovations, for example, a reporter for the Oakland *Tribune* noted as a selling point that the "[a]partments on the west side look out upon Stephen Bechtel's famed gardens."[29]

Snow Park

In 1900 Francis Cutting married Sarah Kendall. The former had grossed a fortune in the canneries, the Railroad, and mining in Alaska and California, while the latter owned most of the property bounded by Harrison, Alice, 19th, and 20th Streets. They built a 30-room Richardsonian house in 1903 on the parcel located to the northeast of the Schilling estate, between 19th Street and Lake Merritt.[30] This land may have been the site of a cemetery dating to the late 1850s; its immediate previous owner was Edward Tompkins, a prominent lawyer, senator, early regent of the University of California, and significant benefactor to the university.[31] Three other structures stood to the northeast of Cutting's estate and abutted Harrison Street; two of these likely dated to the 1880s, while Cutting probably built the third for his son, Frederick Cutting, at the same time that he built his own house. With the eastern border of Cutting's land abutting the Schilling Gardens and the northern border abutting Lake Merritt, Cutting's house stood in a large, park-like setting. Francis Cutting died in 1913 and subsequent ownership remains unclear until 1922.





Left: Residence of Francis Cutting/site of future Snow Museum. OPL. Right: Snow Park, Carey & Co., April 2006.

Big game hunter Henry Snow, donated his collection of taxidermy animals to the City of Oakland in 1922. The city intended to build a permanent structure to house the animals and decided to use the former Cutting residence as a temporarily site for them. The permanent museum never materialized, so the Cutting residence became the official site of the Snow Museum. Elephants, bears, leopards, lions, birds, and snakes filled the rooms of the former house. A small zoo occupied the grounds for a time as well. Of the three houses on Harrison Street, only the one built for Frederick Cutting remained standing

[29] Suzette, "Farewell Fete are Crowing Calendar," Oakland *Tribune*, April 13, 1959, p. 27; "Regillus Building Regal Once Again," in *ibid.*, March 30, 1975, p. 4-C.
[30] File folder for Snow Park, Oakland Cultural Heritage Survey.
[31] Available information about the possible cemetery site is inconclusive, but for information see 1860 map of Oakland, OPL; Bagwell, *Oakland*, 137; file folder for Snow Park, Oakland Cultural Heritage Survey.

in 1951, at which time the Board of Education occupied it, and virtually all of the outbuildings on the Cutting estate had disappeared. While 244 Lakeside Drive and the Regillus Apartment building altered the waterfront setting to the south and east of the Cutting estate, the park-like setting to the north and west only grew, and the remaining Schilling Gardens to the south of 244 Lakeside Drive remained relatively unchanged.[32]

Developers began to eye the Snow Museum site during the 1950s. Sheraton Hotels were nearly successful in leasing the land and obtaining permission to build a towering hotel in 1959. Residents protested this idea and it ultimately failed. Instead, the city designated the area for permanent public use. The following six years saw a dramatic decline in the popularity of a natural history museum like the Snow Museum. It closed in 1967 and the city demolished the structure in 1970. Since then, Snow Park has provided open green space for Oakland residents across from the western shores of Lake Merritt.[33]

VII. Regulatory Framework: Federal, State and Local Significance Criteria

The regulatory background provided below offers an overview of federal, state and local criteria used to assess historic significance.

Federal Criteria

National Register Bulletin Number 15, *How to Apply the National Register Criteria for Evaluation*, describes the Criteria for Evaluation as being composed of two factors. First, the property must be "associated with an important historic context."[34] The National Register identifies four possible context types, of which at least one must be applicable at the national, state, or local level. As listed under Section 8, "Statement of Significance," of the National Register of Historic Places Registration Form, these are:

A. Property is associated with events that have made a significant contribution to the broad patterns of our history.

B. Property is associated with the lives of persons significant in our past.

C. Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.

D. Property has yielded, or is likely to yield, information important to prehistory or history.[35]

Second, for a property to qualify under the National Register's Criteria for Evaluation, it must also retain "historic integrity of those features necessary to convey its significance."[36] While a property's significance relates to its role within a specific historic context, its integrity refers to "a property's physical features

[32] William W. Sturm, "Oakland History Notes: The Snow Museum," *Oakland Heritage Alliance News* (Fall 1996), 20; Sanborn Fire Insurance Co., "Oakland, California" (1889), map no. 25g, (1903), map no. 149, (1911), map no. 166, (1951), map no. 166.
[33] "Hotel Plan Faces City Council Fight," Oakland *Tribune*, September 23, 1959, p. 2; "Planning Board Will Hold Weekly Meetings," Oakland *Tribune*, November 9, 1961, p. 23; Sturm, "Snow Museum."
[34] National Park Service, National Register Bulletin 15, 3.
[35] National Park Service, National Register Bulletin 16A, 75
[36] National Park Service, National Register Bulletin 15, 3.

and how they relate to its significance."[37] To determine if a property retains the physical characteristics corresponding to its historic context, the National Register has identified seven aspects of integrity:

> Location is the place where the historic property was constructed or the place where the historic event occurred.
>
> Design is the combination of elements that create the form, plan, space, structure, and style of a property.
>
> Setting is the physical environment of a historic property.
> Materials are the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.
> Workmanship is the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory.
>
> Feeling is a property's expression of the aesthetic or historic sense of a particular period of time.
>
> Association is the direct link between an important historic event or person and a historic property.[38]

Since integrity is based on a property's significance within a specific historic context, an evaluation of a property's integrity can only occur after historic significance has been established.[39]

State Criteria
California Office of Historic Preservation's Technical Assistance Series #6, *California Register and National Register: A Comparison*, outlines the differences between the federal and state processes. The context types to be used when establishing the significance of a property for listing on the California Register are very similar, with emphasis on local and state significance. They are:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States; or

2. It is associated with the lives of persons important to local, California, or national history; or

3. It embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values; or

4. It has yielded, or is likely to yield, information important to prehistory or history of the local area, California, or the nation.[40]

Like the NRHP, evaluation for eligibility to the California Register requires an establishment of historic significance before integrity is considered. California's integrity threshold is slightly lower than the

[37] Ibid, 44.
[38] Ibid, 44-45.
[39] Ibid, 45.
[40] California Office of Historic Preservation, Technical Assistance Series 6, 1.

federal level. As a result, some resources that are historically significant but do not meet NRHP integrity standards may be eligible for listing on the California Register.[41]

California's list of special considerations is shorter and more lenient than the NRHP. It includes some allowances for moved buildings, structures, or objects, as well as lower requirements for proving the significance of resources that are less than 50 years old and a more elaborate discussion of the eligibility of reconstructed buildings.[42]

In addition to separate evaluations for eligibility to the California Register, the state will automatically list resources if they are listed or determined eligible for the NRHP through a complete evaluation process.[43]

California Historical Resource Status Codes
The California Historic Resource Status Codes (status codes) are a series of ratings created by the California Office of Historic Preservation (SHPO) to quickly and easily identify the historic status of resources listed in the state's historic properties database. These codes were revised in August 2003 to better reflect the many historic status options available to evaluators. The following are the seven major status code headings:

1. Properties listed in the National Register or the California Register.
2. Properties determined eligible for listing in the National Register or the California Register.
3. Appears eligible for National Register or California Register through Survey Evaluation.
4. Appears eligible for National Register or California Register through other evaluation.
5. Properties recognized as historically significant by local government.
6. Not eligible for listing or designation.
7. Not evaluated for National Register or California Register or needs revaluation.

Evaluation

Schilling Gardens
The Schilling Gardens appears to be eligible for the NRHP and CRHR under Criteria B/2 and C/3. The gardens are not known to be associated with significant events or broad patterns in local, regional, state, or national history, nor are they likely to yield information important to prehistory or history of the local area or nation. Thus, the gardens do not appear to be eligible for the NRHP/CRHR under Criteria A/1 or D/4. August Schilling, founder and longtime president of the most important spice company on the West Coast, and one of the most important spice companies in the United States, originally owned the subject property and oversaw the creation of the gardens. The gardens therefore appear to be eligible under Criterion B, for its close association with the life of a person important to history. The rustic style, concrete arbor stands as an unusual turn-of-the-century garden structure. It contributed to the gardens' popularity as a quasi-public recreation spot along Lake Merritt and serves as the most tangent reminder of one of nineteenth-century Oakland's best-known showplaces, the Schilling estate. The arbor and retaining wall, both constructed by Japanese gardeners, embody distinctive characteristics of a period in landscape gardening and a method of construction. They also possess artistic value and render the Schilling Gardens eligible under Criterion C/3.

[41] Ibid, 1.
[42] Ibid, 2.
[43] All State Historical Landmarks from number 770 onward are also automatically listed on the California Register. (California Office of Historic Preservation, Technical Assistance Series 5, 1.)

The gardens retain sufficient integrity to convey its historical significance. Although portions of the concrete arbor have been demolished, these changes date to the first decade of the twentieth century, while August Schilling owned and lived on the property. These changes, then, are well within the gardens' period of significance, which extends from the 1890s, when Schilling first planted his garden until 1920, when he sold the property to developers and moved to San Mateo County. The portion of the arbor that still stands has undergone some deterioration, but has not been altered in any significant way over the past century. Several other elements of the original gardens survive too, including the wisteria and roses that grace the concrete arbor, a large holly tree, one of the now several redwood trees, a camperdown elm, and paired wrought iron gates with the initials "A" and "S" at the west end of the 19th Street frontage. The gates are now mostly covered with chain link and wood slates. According to the Oakland Cultural Heritage Survey, the high ivy-covered rubble stone embankment along the 19th Street frontage east of the gates is also probably part of the original Schilling Gardens. Though the demolition of the Schilling mansion and construction of the Regillus and 244 Lakeside Drive apartment buildings altered the original setting of the Shilling Gardens, the extant garden appears to have remained largely unaltered since the 1920s (save new plantings and the removal of Schilling's above-ground cave). The garden retains sufficient integrity of location, setting, design, materials, workmanship, feeling, and association to convey its historical significance.

Schilling Garage

Although one can associate the Schilling Garage with the rise of a car culture in California and the United States, it is not particularly important in expressing that broad historical pattern. Therefore, the Schilling Garage does not appear eligible under Criterion A/1. The garage is unlikely to yield information important to prehistory or history and, therefore, does not appear to be eligible under Criterion D/4. August Schilling, an important figure in the history of the spice industry, commissioned the design and construction of the garage, which is the only building remaining from the once grand Schilling estate in Oakland. The garage may be the only extant building associated with August Schilling, as both the Schilling factory in San Francisco and Portola Hall, his estate in San Mateo, appear to have been demolished. The Schilling Garage thus appears to be eligible under Criterion B/2. The Schilling Garage is also significant as an early example of two trends in architectural history at the time: reinforced concrete construction and Beaux Arts styling. The elegant, Classical design of a small, functional structure is unusual and serves as a good example of attempts to fuse beauty with modern technology in the early twentieth century. The garage appears to be eligible for the NRHP/CRHR under Criterion C/3, as a good example of a particular architecture style and method of construction.

The garage has never been moved and does not appear to have been altered at all. Its original setting changed significantly with the construction of the Regillus and 244 Lakeside Drive apartment buildings during the 1920s, but the building continued to be used as a garage and it retains a high degree of integrity of location, design, materials, workmanship, feeling, and association. Thus the Schilling Garage retains sufficient integrity to convey its historic significance.

Regillus Apartments and Garage

Constructed in 1921, the Regillus Apartments and Garage were the first luxury apartments built along the shores of Lake Merritt. Its construction initiated a period of development in the city of Oakland intended to renew the popularity of the lake as a site where affluent and influential citizens lived and gathered for social occasions or other events, much as they did during the nineteenth century. The earthquake and fires of 1906 had led large groups of less wealthy, less educated, and more culturally diverse population to settle in Oakland, which prompted the city's elite relocated to affluent enclaves like Piedmont. The Regillus, however, was received with much fanfare and attracted from the outset some of the city's most influential citizens. As such, the Regillus appears to be eligible for the

NRHP/CRHR under Criterion A/1, for its association with broad patterns in local history. Architect Willis Lowe, both influential leaders in their respective fields, teamed up with developer Percival Palmer to create the Regillus. The Beaux-Arts influenced, Italianate building was notable for its reinforced concrete construction and monumental style; luxurious details, like sizeable apartments, profuse application of Italian marble, and imported furniture for public spaces; and modern conveniences, including two rapid elevators (among several other elevators), bathrooms equipped with showers, and a fire-proof garage equipped with mechanics and tolls for light repairs. The building thus appears to be eligible under Criterion C/3, for embodying the distinctive characteristics of a type, period, and method of construction, as well as for possessing high artistic value. The building is not known to be associated with persons important to local, state, or national history, nor is it likely to yield information important to the prehistory or history the Oakland, the San Francisco Bay Area, California, or the nation. It thus does not appear to be eligible for the NRHP/CRHR under Criteria B/2 or D/4.

The Regillus Apartments and Garage appears to retain a high degree of integrity. 244 Lakeside Drive was constructed just two years after the Regillus; thus, it does not compromise the Regillus' integrity of setting. The Regillus has not been moved, and thus retains integrity of location. Its immediate setting also has high integrity, being little changed since the construction of 244 Lakeside Drive two years after its own completion. Finally, the Regillus' exterior does not appear to have undergone any significant alterations, rendering integrity of design, materials, workmanship, feeling, and association all very high.

244 Lakeside Drive

Like its neighbor, the Regillus, 244 Lakeside Drive contributed to the development of Lake Merritt's shores as a destination point for prominent citizens in a an effort to restore the prestige of lakeside living to its nineteenth-century grandeur. It was marketed with as much fanfare as the Regillus, and served as a home to some of Oakland's most influential business and cultural leaders from the day it opened. The success of the Regillus and 244 Lakeside Drive undoubtedly influenced the development of a third luxury tower, the Bellevue-Staten, restoring Lake Merritt's nineteenth century status as one of the most prestigious residential areas in the city. 244 Lakeside Drive therefore appears to be eligible for the NRHP/CRHR under Criterion A/1, for its association with broad patterns in local history.

Some of Oakland's most distinguished citizens of the 1920s and 1930s called 244 Lakeside Drive their home, including *Oakland Tribune* publisher and political magnate Joseph R. Knowland, and William A. and Stephen D. Bechtel, founder and the founder's son, respectively, of the internationally known Bechtel engineering and construction firm, then called the Bechtel and Utah Construction Company and based in Oakland. So closely associated is the building and its gardens with the Bechtel family (who were original tenants and lived in the building for decades) that a ballroom has been name the Stephen D. Bechtel Ballroom and 244 Lakeside Drive is sometimes referred to as the Bechtel Building. It appears to be eligible for the NRHP/CRHR under Criterion B/2, for its association with persons important to history.

244 Lakeside Drive also appears to be eligible for the NRHP/CRHR under Criterion C/3, as a distinctive architectural type, the work of a master, and as possessing high artistic value. According to the Oakland Cultural Heritage Survey, the apartment building at 244 Lakeside Drive is "one of Oakland's best examples of an early twentieth-century high-rise apartment building in its use of materials and quality of detail." It is also the work of an important early twentieth-century architect, Maury Diggs. Stylistically, 244 Lakeside Drive marked a shift away from heavy, monumental Beaux-Arts Classicism of the Regillus by combining a more streamlined Art Deco aesthetic with a Spanish Baroque style, the latter of which was popular in California for romanticizing the state's Spanish past. In assessing the building's significance, the Oakland Cultural Heritage Survey concludes that "most important… are [the

building's] siting, landscaping and city wide familiarity by virtue of its prominent Lake Merritt location." The 244 Lakeside Drive apartment building exemplifies both the great era of luxury apartment building in the 1920s and the prominent garden siting of nineteenth-century upper class homes. Its large scale, distinctive design and prominent Lake Merritt location make the complex an especially familiar visual landmark in Oakland. Together with its neighbor, the Regillus, it dominates the middle portion of Lake Merritt's west shore and is closely identified with the image of the lake itself.

The apartment building is unlikely to yield information important to prehistory or history, and does not appear eligible under Criterion D/4.

Like the Regillus, 244 Lakeside Drive appears to retain a high degree of integrity. It has not been moved and the exterior does not appear to have been altered in any significant way. Thus 244 Lakeside Drive retains integrity of location, setting, design, materials, workmanship, feeling, and association.

Snow Park
Unlike the Schilling Gardens, Snow Park was never an elaborately landscaped public space. Instead, the park was a fairly simple and open grassy area surrounding the Cutting Residence/Snow Museum. The site of Snow Park was a destination for nearly fifty years, from 1922 until 1970, when the Snow Museum was open. But it has never been a destination or otherwise achieved significance since 1970, when the Snow Museum was demolished and Snow Park opened in its current manifestation as a public park. In contrast to the Schilling Gardens, traces of Snow Park's association with historic events or figures are long gone. As William Sturm has observed, "today Snow Park is bereft of tangible reminders of Henry Snow's museum."[44] As a result, Snow Park does not appear eligible for consideration as a historic resource at the state or federal level under Criterion A/1. Francis and Sarah Kendall Cutting were prominent local residents, but the house that links them to the property is not longer extant. Therefore, Snow Park does not appear to be eligible under Criterion B/2 or C/3. Snow Park may be the site of a cemetery that dates to the City of Oakland's early history, but more research would have to be completed to determine if the site is eligible for the NRHP/CRHR under Criterion D/4.

While Snow Park retains a high degree of integrity from when it was opened in 1970, it appears to possess insufficient historic significance to be eligible for either the NRHP or the CRHR.

City of Oakland Criteria
The Historic Preservation Element of the City of Oakland's General Plan specifies the City's many goals and policies pertaining to the identification, preservation and rehabilitation of historic properties. As defined in Policy 1.1 of the Element, "Areas of Primary Importance (APIs) are historically or visually cohesive areas or property groups which usually contain a high proportion of individual properties with ratings of 'C' or higher and appear eligible for the National Register of Historic Places either as a district or as a historically-related complex."[45] Policy 3.8 of the Element stipulates that, "[f]or purposes of environmental review under the California Environmental Quality Act," the City of Oakland's Local Register of Historical Resources includes, *inter alia*, "[t]hose Potential Designated Historic Properties that have an existing rating of "A" or "B" or are located within an Area of Primary Importance."[46] Potential Designated Historic Properties include those properties surveyed as part of the OCHS.

As further specified in Policy 3.8,

[44] Sturm.
[45] City of Oakland, Historic Preservation Element of the General Plan, May 1999, 3-2.
[46] Ibid., 5-10.

> Complete demolition of a Historical Resource will normally be considered a significant effect that cannot be mitigated to a level less than significant and will, in most cases, require preparation of an Environmental Impact Report.
>
> A proposed addition or alteration to a Historical Resource that has the potential to disqualify a property from Landmark or Preservation District eligibility or may have substantial adverse effects on the property's Character-Defining Elements will normally, unless adequately mitigated, be considered to have a significant effect.[47]

The City of Oakland has adopted CEQA Thresholds/Criteria of Significance Guidelines "offered as guidance in preparing all environmental review documents (including Initial Studies and EIRs)."[48] These guidelines are intended to "to help clarify and standardize analysis and decision-making in the environmental review process in the City of Oakland." Where possible, the thresholds should be used unless the location of the project or other unique factors warrants the use of different thresholds. In those situations where different thresholds are proposed, justification must be provided and the City Planning Department must approve the use of such. These thresholds are intended to supplement provisions in the CEQA Guidelines for determining the significance of environmental effects, including Sections 15064, 15064.5, 15065, 15382 and Appendix G.

Cultural and Historic Resources
According to the Guidelines, a project would have a significant impact on the environment if it would:

- Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines §15064.5. Specifically, a substantial adverse change includes physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the historical resource would be "materially impaired." The significance of an historical resource is "materially impaired" when a project demolishes or materially alters, in an adverse manner, those physical characteristics of the resource that convey its historical significance and that justify its inclusion on, or eligibility for inclusion on an historical resource list (including the California Register of Historical Resources, the National Register of Historical Resources, Local Register, or historical resources survey form (DPR Form 523) with a rating of 1-5);

- Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines §15064.5;

- Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature; or

- Disturb any human remains, including those interred outside of formal cemeteries.

Evaluation

As detailed above, the Regillus Apartments and Garage, the Schilling Garage, the Schilling Gardens and the Lakeside Drive Apartments have all been given "A" or "B" ratings through the Oakland Cultural Heritage Survey (OCHS) and are contributors to an API. As a result, these resources are on the City of

[47] Ibid.
[48] City of Oakland, CEQA Thresholds/Criteria of Significance Guidelines, May 31, 2007.

Oakland's Local Register of Historical Resources and thus should be considered historical resources for purposes of environmental review under CEQA. While given a "C" rating, Snow Park was found to be a contributor to the Lake Merritt API. As a result, it is a resource on the City of Oakland's Local Register of Historical Resources and thus should also be considered a historical resource for purposes of environmental review under CEQA Based on Carey & Co.'s site reconnaissance and archival research, we concur with these evaluations and see no reason the classifications should be changed.

VIII. REGULATORY FRAMEWORK: CALIFORNIA ENVIRONMENTAL QUALITY ACT

When a proposed project may cause a substantial adverse change in the significance of an historical resource, the California Environmental Quality Act (CEQA) requires a city or county to carefully consider the possible impacts before proceeding (Public Resources Code Section 21084.1). CEQA equates a substantial adverse change in the significance of a historical resource with a significant effect on the environment (Section 21084.1). The Act explicitly prohibits the use of a categorical exemption within the CEQA Guidelines for projects which may cause such a change (Section 21084).

A "substantial adverse change" in the significance of a historical resource is defined as "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired." Further, that the significance of an historic resource is "materially impaired" when a project:

- "demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in the California Register of Historical Resources; or
- "demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources… or its identification in an historical resources survey…, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
- "demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA." (Guidelines Section 15064.5(b))

For the purposes of CEQA (Guidelines Section 15064.5), the term "historical resources" shall include the following:

1. A resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in, the California Register of Historical Resources (Pub. Res. Code Section 5024.1, Title 14 CCR, Section 4850 et.seq.).

2. A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.

3. Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California, may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing in the CRHR (Public Resources Code Section 5024.1, Title 14 CCR, Section 4852) as follows:

A. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

B. Is associated with the lives of persons important in our past;

C. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or

D. Has yielded, or may be likely to yield, information important in prehistory or history. (Guidelines Section 15064.5)

IX. Impacts and Mitigation Measures

Historical resources include properties eligible for listing on the National Register of Historic Places, the California Register of Historical Resources or a local register of historical resources (as defined at Public Resources Code §5020.1(k)). According to Public Resources Code §15064.5(b), a project would have a significant effect on an historic resource if it would "cause a substantial adverse change in the significance" of that resource. Specifically, "[s]ubstantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired."

The proposed project entails clearance and significant excavation of the project site. The proposed project would have a significant impact on the Schilling Gardens, which would be removed, as well as on adjacent historical resources (244 Lakeside Drive Apartments, Schilling Garage, and Regillus Apartments and Garage, Snow Park, the Lake Merritt API and the 244 Lakeside Drive Building Group API. Potential impacts to these adjacent historical resources could be of two types:

- Impacts to the integrity of the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage, considered either as individual historical resources previously found eligible for the National Register of Historic Places, or as contributors to Areas of Primary Importance (APIs) within Oakland.

- Construction-related impacts to adjacent historical resources related to clearance of the project site and construction of a 42-story structure with five levels of underground parking.

The proposed project would not have an impact on the historic significance of Snow Park, a locally recognized historic resource. The proposed project would not alter the park's integrity of setting, given that the park has long been surrounded by large-scale development, including the Kaiser Center at 300 Lakeside Drive and the office building at 1999 Harrison Street.

Impacts to Schilling Gardens

Impact 1: Implementation of the proposed project would result in the removal of the Schilling Gardens, a recognized historic resource. While the concrete arbor may be retained and moved onsite by the project applicant, none of the garden's other character-defining features, including the wrought iron gate, the retaining wall, the redwood trees, or the variegated flora, would remain.

Mitigation Measure 1a: Documentation of the Schilling Gardens shall be prepared in accordance with the guidelines established for the Historic American Landscapes Survey (HALS). This documentation shall include three components:

1) Photographs: An architectural photographer with HALS experience shall photograph the Schilling Gardens in accordance with HALS' "Guidelines for Photography" (http://www.nps.gov/history/hdp/standards/HALS/HALSPhotographyGuidelines.pdf). If large-format photography is not possible, 35mm photography is acceptable, if the negatives are processed according to HALS standards. Photographs should include documentation of all structures and each of the individual garden areas.

2) Drawings: A landscape architect shall prepare drawings of the Schilling Gardens in accordance with HALS' "Guidelines for Drawings" (http://www.nps.gov/history/hdp/standards/HALS/HALSDrawingsGuidelines.pdf). These drawings shall include a site plan that identifies all landscape features, including identification of all plant materials.

3) Historical Overview: Using the above site history as a starting point, a historical overview of the Schilling Gardens shall be prepared in accordance with HALS' "Guidelines for Historical Reports" (http://www.nps.gov/history/hdp/standards/HALS/HALSHistoryGuidelines.pdf). This overview shall include discussion of the garden's relationship to the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage.

This documentation shall be filed with the Oakland Historical Society, the Oakland History Room of the Main Library in Oakland and the Bancroft Library at the University of California, Berkeley.

Mitigation Measure 1b: The project applicant shall consult with the Oakland Historical Society and the Oakland Landmarks Preservation Advisory Board regarding salvage of materials from the Gardens for public display or reuse in other locations. Such salvage could include both structural elements and plant material. Clearance of the Gardens should not commence until any significant historic features or materials have been identified and their removal completed.

While implementation of Mitigation Measures 1a and 1b would reduce the project's impact on the Schilling Gardens, that impact would remain ***significant and unavoidable***.

Impacts to Adjacent Historical Resources

Impact 2: Implementation of the proposed project would cause a substantial adverse change in the historical significance of the 244 Lakeside Drive Apartments and the Regillus Apartments, two recognized historical resources. Specifically, the project would compromise these historical resources' integrity of setting. The proposed project would thereby also cause a substantial adverse change in two Areas of Primary Importance (APIs): the 244 Lakeside Drive Building Group API and the Lake Merritt API.

At 42 stories and over 450 feet in height, the proposed project is markedly out of scale with the 244 Lakeside Drive Apartments (12 stories) and the Regillus Apartments (8 stories). The proposed tower, which would be approximately 50 feet from the 244 Lakeside Drive Apartments and 55 feet from the Regillus, would visually overwhelm both of these buildings, compromising their historic status as dominant lakeside landmarks. In addition, by partially standing between the buildings, the proposed tower intervenes in a continuous sequence of historical resources, and disrupts their continuity.

As described in the State Department of Parks and Recreation (DPR) form for 244 Lakeside Drive that was completed as part of the Oakland Cultural Heritage Survey (see page in Appendix D labeled "page 2 of 13"), the historic setting of the 244 Lakeside and Regillus apartment buildings is a key part of their significance:

> Together with its neighbor, the Regillus, [244 Lakeside Drive] dominates the middle portion of Lake Merritt's west shore and is closely identified with the image of the lake itself. The 19th Street garden frontage and rear elevation terminate the view along Alice Street from the south and, with the tall trees, provide an attractive focal point for viewing the handsome group of early 20th century apartment buildings along Alice Street between 14th and 17th Streets. The landscaping also provides a visual addition to Snow Park to the west.

All aspects of the apartment buildings' setting described above would be compromised by addition of the proposed tower. More specifically, as described above, both the Regillus and 244 Lakeside Drive apartment buildings were built to take advantage of the Schilling Gardens. Addition of a large tower and removal of gardens, then, would significantly reduce these grand, early twentieth century apartment buildings' integrity of setting.

Mitigation Measure 2: To better reflect the scale and design of the adjacent historic apartment buildings, the opaque balcony treatments proposed for floors four through nine on all four elevations of the tower shall be continued upwards four additional stories, to the 13th story:



With this modification, the more purely green glass portion of the tower, which is least in keeping with the design of the adjacent historic buildings, would not extend below the rooflines of any of those buildings.

While implementation of the documentation specified in Mitigation Measure 2 would reduce the project's impact on adjacent historical resources, the impact to those resources (and the Schilling Gardens) would remain ***significant and unavoidable***.

Construction-related Impacts to Adjacent Historical Resources
Finally, construction-related impacts have the potential to cause a substantial adverse change in the significance of the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage. Each of these recognized historical resources is within 50 feet of the project site, and thus may be susceptible to significant ground vibration and other impacts generated by excavation and construction associated with the proposed project. The below-grade parking garage will be 5 feet from the east property line and 18.75 feet from the north property line.

If implemented, Mitigation Measures 3a, 3b and 3c would reduce construction-related impacts to adjacent historical resources to **less-than-significant**.

Impact 3a. The proposed project would entail significant excavation and dewatering immediately adjacent to the foundations of the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage. This excavation has the potential to destabilize the foundations of the adjacent historical resources.

Mitigation Measure 3a. A registered structural engineer, with a minimum of five years of experience in the rehabilitation and restoration of historic buildings, will determine whether, due to the nature of the excavations, soils, method of soil removal and dewatering, and the existing foundation of the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage, the potential for settlement would require underpinning and/or shoring of any of these buildings. If underpinning and/or shoring is determined to be necessary, appropriate designs would be prepared. All documents prepared in accordance with this Measure would be reviewed and approved by the City of Oakland's Historic Preservation Officer.

Impact 3b. The proposed project would require below-grade excavation and foundation work, as well as installation of screw piles and new building framing. This may produce groundborne vibrations from construction that would result in potentially significant adverse impacts to the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage.

According to the project plans, construction of five basement levels and a foundation is anticipated, requiring below-ground excavation of approximately 60 feet. Instead of pile driving, screw piles will be used to construct the building's foundation. Screw piles consist of steel or concrete piles with either the tip or the entire pile formed in a helical screw shape that are literally screwed into the ground. (Screw piles can also be cast in situ.) Installation of screw piles is not accompanied by the hammer impact noise and vibration created by driving piles. The elimination of a pile-driving hammer allows the installation of screw piles adjacent to existing structures without the danger of settlement or damage to existing footings, walls, other structural components, or nearby equipment.

Even though pile driving is not being used as a construction method, historic structures immediately adjacent to the project site may still be significantly impacted by the proximity of heavy machinery. When large enough, groundborne vibrations deriving from construction-related activities can have a significant adverse impact on adjacent structures. When assessing annoyance from groundborne noise, vibration is typically expressed as root mean square (rms) velocity in units of decibels of 1 micro-inch per second. To distinguish vibration levels from noise levels, the unit is written as "VdB." Human perception to vibration starts at levels as low as 67 VdB and sometimes lower. Annoyance due to vibration in residential settings starts at approximately 70 VdB. The damage threshold for buildings considered of particular historical significance or that are particularly fragile structures is approximately 96 VdB; the

damage threshold for other structures is 100 VdB.[49] Typical groundborne vibration levels measured at a distance of 50 feet from heavy construction equipment in full operation, such as bulldozers or other heavy tracked equipment, range up to approximately 94 VdB. This is just below the damage threshold for historic or fragile buildings. Thus, there would be no construction impacts to structures located more than 50 feet from any proposed construction.

Construction-related impacts do have the potential, however, to cause a substantial adverse change in the significance of the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage, each of which is within 50 feet of heavy construction equipment in operation on the project site. Because it could produce vibrations exceeding the 96 VdB threshold, the operation of heavy construction equipment within 50 feet of these resources could impact them adversely. In addition, given the proximity of proposed construction, construction-related machinery and materials could come into contact with these resources if the machinery and materials are not used and stored appropriately.

Mitigation Measure 3b. Prior to excavation, a historic preservation architect (who meets the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation, Professional Qualifications Standards) would, along with the structural engineer, undertake existing conditions studies of the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage. The purpose of the study would be to establish the baseline condition of the buildings prior to construction, including the location and extent of any visible cracks or spalls. The documentation would take the form of written descriptions and photographs, and shall include those physical characteristics of the resources that convey their historic significance and that justify their inclusion on, or eligibility for inclusion on, the California Register of Historical Resources and the local register. The documentation would be reviewed and approved by the City of Oakland's Historic Preservation Officer.

The historical architect and structural engineer shall monitor the 244 Lakeside Drive Apartments, the Schilling Garage, and the Regillus Apartments and Garage during construction and report any changes to existing conditions, including, but not limited to, expansion of existing cracks, new spalls, or other exterior deterioration. Initial construction activities shall be monitored and if vibrations are above threshold levels, modifications shall be made to reduce vibrations to below established levels. Monitoring reports shall be submitted to the city's historic preservation officer on a periodic basis. The structural engineer would consult with the historic preservation architect, especially if any problems with character defining features of a historic resource are discovered. If in the opinion of the structural engineer, in consultation with the historic preservation architect, substantial adverse impacts to historical resources related to construction activities are found during construction, the monitoring team shall so inform the project sponsor or sponsor's designated representative responsible for construction activities. The project sponsor shall adhere to the monitoring team's recommendations for corrective measures, including halting construction in situations where construction activities would imminently endanger historical resources. The historic preservation officer shall establish the frequency of monitoring and reporting. The monitoring should be fairly frequent – once a week – during below grade work, tapering off to once a month during aboveground construction.

The project sponsor would respond to any claims of damage by inspecting the affected property promptly, but in no case more than five working days after the claim was filed and received by the project sponsor's designated representative. Any new cracks or other changes in the structures will be compared to pre-construction conditions and a determination made as to whether the proposed project could have caused

[49] Harris, C.M., *Handbook of Acoustical Measurements and Noise Control,* 1998.

such damage. In the event that the project is demonstrated to have caused any damage, such damage would be repaired to the pre-existing condition.

Site visit reports and documents associated with claims processing would be provided to the City of Oakland's Historic Preservation Officer.

Mitigation Measure 3c. The historic preservation architect shall establish a training program for construction workers involved in the project that emphasizes the importance of protecting historical resources. This program shall include information on recognizing historic fabric and materials, and directions on how to exercise care when working around and operating equipment near the historic structures, including storage of materials away from historic buildings. It will also include information on means to reduce vibrations from demolition and construction, and monitoring and reporting any potential problems that could affect the historical resources in the area. A provision for establishing this training program shall be incorporated into the contract, and the contract provisions would be reviewed and approved by the City of Oakland's Historic Preservation Officer.

With implementation of Measures 3a, 3b and 3c, the potential for project construction-related impacts to identified historical resources would be reduced to ***less-than-significant***.

X. BIBLIOGRAPHY

_____, Advertisement, Oakland *Tribune*, August 7 & 14, 1927, Development Section, p. 1.

_____, "August Schilling Buy the Shafter Place," San Francisco *Call*, January 24, 1900, p. 11.

_____, "Bechtel Estate Set at $153,693," Oakland *Tribune*, May 22, 1941, p. 13.

_____, "Concrete Garage for Mr. A. Schilling," *Architect and Engineer*, 35 (December 1913): 83.

_____, "Contains Forty Apartment Homes of distinction," Oakland *Post-Enquirer*, April 8, 1922.

_____, "Death Takes Bechtel of Bay Bridge," Oakland *Tribune*, August 28, 1933, p. 1.

_____, "Engineer-Builder Bechtel Gets Trustee Post at Stanford," Oakland *Tribune*, November 22, 1959, p. 29.

_____, "En Route Home," Oakland *Tribune*, March 12, 1910.

_____, "Fall into Lake While Strolling in Garden," Oakland *Tribune*, August 8, 1914, p. 14.

_____, "Family Given Vast Estate of Schilling," San Francisco *Chronicle*, August 17, 1934.

_____, "Hotel Plan Faces City Council Fight," Oakland *Tribune*, September 23, 1959, p. 2.

_____, "Lake Homes to be Auctioned," Oakland *Tribune*, November 12, 1930, p. D-11.

_____, "The Meddler," Oakland *Tribune*, December 1, 1906, p. 8.

_____, "Modern Eight Story apartment House to be Built on Shore of Lake Merritt," Oakland *Tribune*, June 25, 1921, p. 1.

_____, "Mrs. Schilling's Large Affair," Oakland *Tribune*, October 8, 1904, p. 7.

_____, "New Apartment Home Structure Marks Progress," Oakland *Tribune*, May 20, 1926, p. 8-M.

_____, "News of Society Across the Bay," San Francisco *Call*, June 26, 1909, p. 12.

_____, "Paintings of Ruins," New York *Times*, November 18, 1906, p. 7.

_____, "Planning Board Will Hold Weekly Meetings," Oakland *Tribune*, November 9, 1961, p. 23.

_____, *Portola Hall: A Description of the County Estate of August Schilling Situated on the Wooded Slopes of the Portola Hill, San Mateo County, California* (San Francisco: Leighton Press, [n.d.]).

_____, Postcards of the Schilling Gardens at Oakland Heritage Alliance, http://www.oaklandheritage.org/schilling1.htm, accessed February 13, 2008.

_____, "Regillus Building Regal Once Again," Oakland *Tribune*, March 30, 1975, p. 4-C.

_____, *San Francisco Blue Book and Club Directory* (San Francisco: Jed J. Hoag and Arthur H. Page, Publishers, 1924).

_____, *San Francisco Social Register* (New York: Social Register Association, 1927).

_____, "Tea at Schilling Home Beside the Lake," Oakland *Tribune*, April 19, 1913, p. 10.

_____, "Time 100: The Most Important People of the Century: Stephen Bechtel," *Time*, December 7, 1998, http://www.time.com/time/time100/builder/profile/bechtel.html, accessed January 22, 2008

Bagwell, Beth, *Oakland: The Story of a City* (Oakland: Oakland Heritage Alliance, 1982).

California Office of Historic Preservation, *California Register of Historical Resources: The Listing Process*, Technical Assistance Series 5, Sacramento, CA: California Department of Parks and Recreation, n.d.

California Office of Historic Preservation, *California Register and National Register: A Comparison*, Technical Assistance Series 6, Sacramento, CA: California Department of Parks and Recreation, 2001.

California Office of Historic Preservation, *Directory of Properties in the Historic Property Data File for Alameda County*, Sacramento, CA, August 2005, 267.

California Office of Historic Preservation, *User's Guide to the California Historical Resource Status Codes & Historic Resources Inventory Directory*, Technical Assistance Bulletin 8, Sacramento, CA: California Department of Parks and Recreation, 2004.

City of Oakland, Historic Preservation Element of the General Plan, May 1999.

City of Oakland, CEQA Thresholds/Criteria of Significance Guidelines, May 31, 2007. http://www.oaklandnet.com/government/ceda/revised/pdf/7_Attachment_G_CEQA_Thresholds_053107.pdf. Accessed April 4, 2008.

Community and Economic Development Agency (CEDA), "Summary of Historical and Architectural Rating System," Oakland, California, http://www.oaklandnet.com/government/ceda/revised/planningzoning/HistoricPreservation/HP-overviewH.html. Accessed April 3, 2008.

Heintz, John, "The Early Development of Lake Merritt, Oakland, California: 1852-1907" (Masters thesis, California State University, Hayward, 1992).

The Jaeger Company, *Historic American Landscapes Survey Guidelines for Drawings*, Prepared for National Park Service, U.S. Department of the Interior, May 18, 2004 (revised July 2005).

Lamb, Tom, *Historic American Landscapes Survey Guidelines for Photography*, Prepared for National Park Service, U.S. Department of the Interior, January 2004 (revised July 2005).

National Park Service, *How to Apply the National Register Criteria for Evaluation*, National Register Bulletin 15, Washington, DC: United States Department of the Interior, 1997.

National Park Service, *How to Complete the National Register Registration Form*, National Register Bulletin 16A, Washington, DC: United States Department of the Interior, 1997.

Oakland – Apartment Buildings, folder in Pamphlet Files, Oakland History Room, Oakland Public Library.

Oakland City Planning Department, Department of Parks and Recreation Historic Resource Inventory (DPR) Forms for "Lakeside Drive (244) Complex" and "Regillus Apartments and Garage," *Oakland Cultural Heritage Survey*, Oakland, CA.

Pollack, Andrew, "Stephen D. Bechtel Is Dead at 88," *The New York Times*, March 15, 1989, http://query.nytimes.com, accessed January 22, 2008.

Rathnell, George, "The Spice Boys: Schilling & Volkmann," *The Nob Hill Gazette*, September 2001. Reprinted at http://www.allelementsdesign.com/schilling, accessed February 1, 2008.

Reid, Finola, "Statement of Significance, August Schilling's Garden, 222 19th Street, Oakland," July 2007.

Robinson, Judith Helm, Noel D. Vernon and Catherine C. Lavoie, *Historic American Landscapes Survey Guidelines for Historical Reports*, Prepared for National Park Service, U.S. Department of the Interior, January 2005 (revised July 2005).

Rosenzweig, Roy, *Eight Hours for What We Will: Workers and Leisure in an Industrial City, 1870-1920* (New York: Cambridge University Press, 1983).

Rosenzweig, Roy and Elizabeth Blackmar, *The Park and the People: A History of Central Park* (Ithaca: Cornell University Press, 1992).

Sanborn Fire Insurance Co., "Oakland, California," (1889), Map no. 25g; (1902-1903), map no. 149; (1911-1912), map no. 166; (1950), map no. 166.

Schilling, August, and George F. Volkmann, *Greeting to August Schilling on the Golden Anniversary of A. Schilling and Company, September 8, 1931* (San Francisco: A. Schilling & Co., 1931).

Sturm, William W., "Oakland History Notes: The Snow Museum," *Oakland Heritage Alliance News* (Fall 1996): 20.

Suzette, "Farewell Fete are Crowning Calendar," Oakland *Tribune*, April 13, 1959, p. 27.

U.S. Department of the Interior, *The Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring and Reconstructing Historic Buildings*, Washington, DC: United States Department of the Interior, 1995.

Volkmann, Daniel G., "Sixty-Five Years of A. Schilling & Company" (San Francisco, 1949), reprinted at http://www.allelementsdesign.com/schilling, accessed February 1, 2008.

APPENDIX E: RESPONSE TO REID REPORT

We have reviewed Finola Reid's July 2007 report entitled "Statement of Significance, August Schilling's Garden, 222 19th Street, Oakland." The report, which, unfortunately, shows little understanding of either the California Environmental Quality Act or the California Register of Historical Resources, does not lead us to modify the conclusions of our evaluation, namely that the proposed project would have significant impacts on the Schilling Gardens, the 244 Lakeside Drive complex (including the Schilling Garage) and the Regillus Apartments and Garage, each if which should be considered historical resources for purposes of CEQA. Specific aspects of Reid's report are addressed below.

1) In reviewing the historic record, Reid claims that

> If the [Schilling Gardens] were of significant historic importance in its own right because of its design or layout, disregarding any of Mr. Schilling's spice trade activities, there surely would be some records or accounts in [repositories related to late 19th century/early 20th century plant expeditions and horticultural societies] (4).

While the absence of such evidence certainly does not increase the Gardens' significance, it also does not necessarily hurt it. As described above, and in Reid's report, the Schilling Gardens were considered an exotic and popular attraction at the time of their creation and early development. They do not need to have merited recognition "on a national or international scale," as Reid implies, in order to be deemed sufficiently significant to be eligible for the California Register of Historical Resources (5). Moreover, because the gardens have been deemed significant by the City of Oakland due to their association with August Schilling, the issue of whether or not the plants in the garden are rare examples is irrelevant to the garden's status as a significant resource.

2) Reid recognizes that, as a private estate garden previously open to the public, the Schilling Gardens are a rare historical resource:

> In its heyday Mr. Schilling's residence would have been one of many grandiose mansions with private gardens that graced the Lake Merritt lakeshore landscape. Those old mansions and their gardens have long disappeared or been redeveloped and built on, making this a rare survivor of that period….Remarkably the garden has survived to the present day despite the various changes of ownership since it was first laid out (5-6).

3) In describing the elements of the Gardens that would have been particularly charming to early 20th Century visitors, Reid calls out two features: (1) the wrought iron gate with Schilling's initials and (2) the concrete arbor with electrical light fittings and overhead ironwork and wisteria (6). It is important to note that these elements remain in the existing gardens, in their original locations.

4) Reid states that the City of Oakland's decision not to buy the Schilling Gardens when they were offered to the City in 2005 implies that the gardens are not of historical significance. This claim, which, by extension, would bring into question the historic significance of any resource that has not been acquired by the City, is without merit. The City of Oakland has strictly limited funds with which to acquire private parcels for public use, and a limited interest in doing so. A consideration of the Schiller Gardens' historic significance would have played a minor to nonexistent role in the City's decision not to acquire the gardens.

5) Reid incorrectly suggests that modifications to Snow Park are part of the proposed project:

> The proposed landscape designs for the new apartment development present a unique opportunity to re-join Snow Park visually to the old Schilling Gardens site. Opening up the garden site and re-establishing the link between the two areas as part of the new development would ensure that Snow Park would be given much needed investment and a new lease of life. A programme of restoration to include tree planting, the addition of colourful floral display borders and the general upgrading of Snow Park would ameliorate loss of the garden and would benefit all citizens of Oakland (7).

Leaving aside the issue of how constructing a 450-foot tower on top of a garden would help connect the site to an adjacent park, no such improvements to Snow Park are included in the proposed project. Thus the question of whether or not such improvements would ameliorate the loss of the Schilling Gardens is moot. No such amelioration could occur, because no such improvements are proposed.

6) Reid claims that "with its character and setting hugely altered, the garden lies waiting for re-development in accordance with its zoning for residential use" (18). While the integrity of the Gardens' *setting* has certainly been compromised, that alone is insufficient to render the Gardens' ineligible for the California Register. In fact, as described above, much of the character of the original garden remains. As Reid notes, this is particularly striking, given the many changes in ownership and the tendency for landscaped gardens to be changed over time (2). As part of the Oakland Cultural Heritage Survey, the Schilling Gardens were found to be eligible for the California Register in 1983. In our site reconnaissance and archival research, we did not find evidence of changes to the Gardens' since that time that would warrant overturning the 1983 determination.

7) Reid claims of the Garden that "[b]ecause of its history there is a perception and local opinion that it is of sufficient historic significance to warrant protection and preservation, despite the fact that the area is zoned for residential development" (18). As explained above, that perception is well founded. The issue of the land being zoned residential is irrelevant; as made clear in the regulatory sections above, the assessment of the Gardens' historical significance and its eligibility for the California Register should be conducted independently of any zoning considerations.

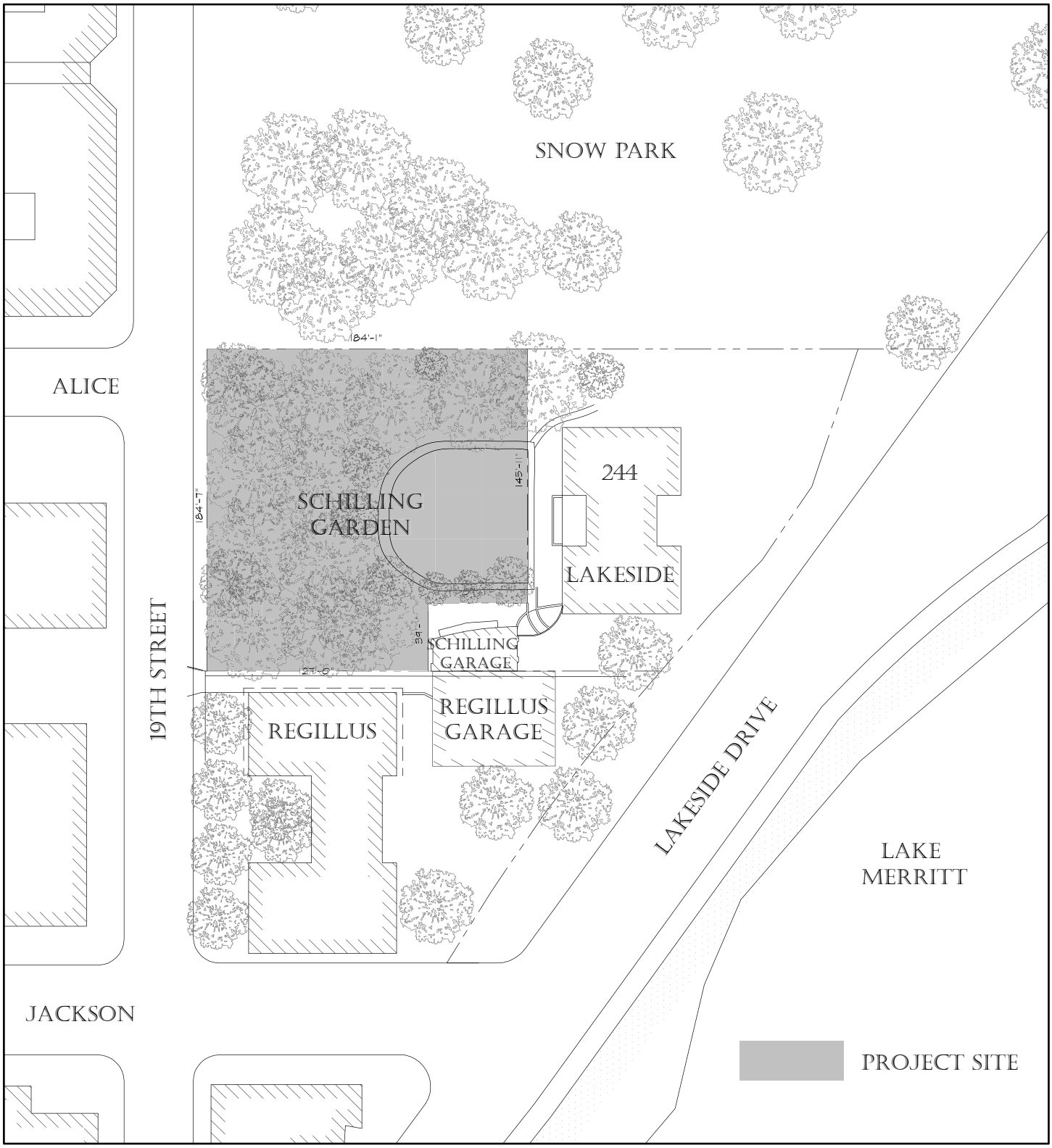
Appendix A

Potential Historical Resources In or Adjacent to Project Site

Historic Resources Technical Report, 222 19th Street, Oakland
Carey & Co., Inc.

Appendix A: Potential Historic Resources In or Adjacent to Project Site

Building Name	Date of Construction	Historic Significance
Schilling Gardens	c. 1900	Previously found NR-eligible
244 Lakeside - Apartment Building	1925	Previously found NR-eligible
244 Lakeside - Garage	1910	Previously found NR-eligible
Regillus Apartments	1922	Previously found NR-eligible
Regillus Apartments - Garage	1922	Previously found NR-eligible
Snow Park	1970	Locally significant



CAREY & CO. INC.
ARCHITECTURE

Appendix B: Project Location

Residential Condominiums Project
222 19th Street, Oakland

N

0' 30' 60' 120'

SCALE: 1" = 60'-0"

Appendix C

Photographs of Project Area

Appendix C: Photos of Project Site and Surroundings



244 Lakeside Drive, north elevation

Appendix C: Photos of Project Site and Surroundings



South elevation of 244 Lakeside Drive and central lawn of Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



Regillus Apartments, north elevation

Appendix C: Photos of Project Site and Surroundings



West elevation of Regillus Apartments and central lawn of Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



Regillus Apartments Garage (top) and Schilling House Garage (bottom)



Regillus Apartments Garage and Schilling House Garage

Appendix C: Photos of Project Site and Surroundings



West elevation of 244 Lakeside Drive and Schilling Gardens from Snow Park

Appendix C: Photos of Project Site and Surroundings



Schilling Gardens, south elevation (19th Street)



Detail of decorative gates. Note the initials "A" and "S."

Appendix C: Photos of Project Site and Surroundings



Rock embankment, east side of Schilling Gardens



East garden, Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



Central lawn panorama, Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



Central lawn panorama with Regillus Apartments

Appendix C: Photos of Project Site and Surroundings





West garden, Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



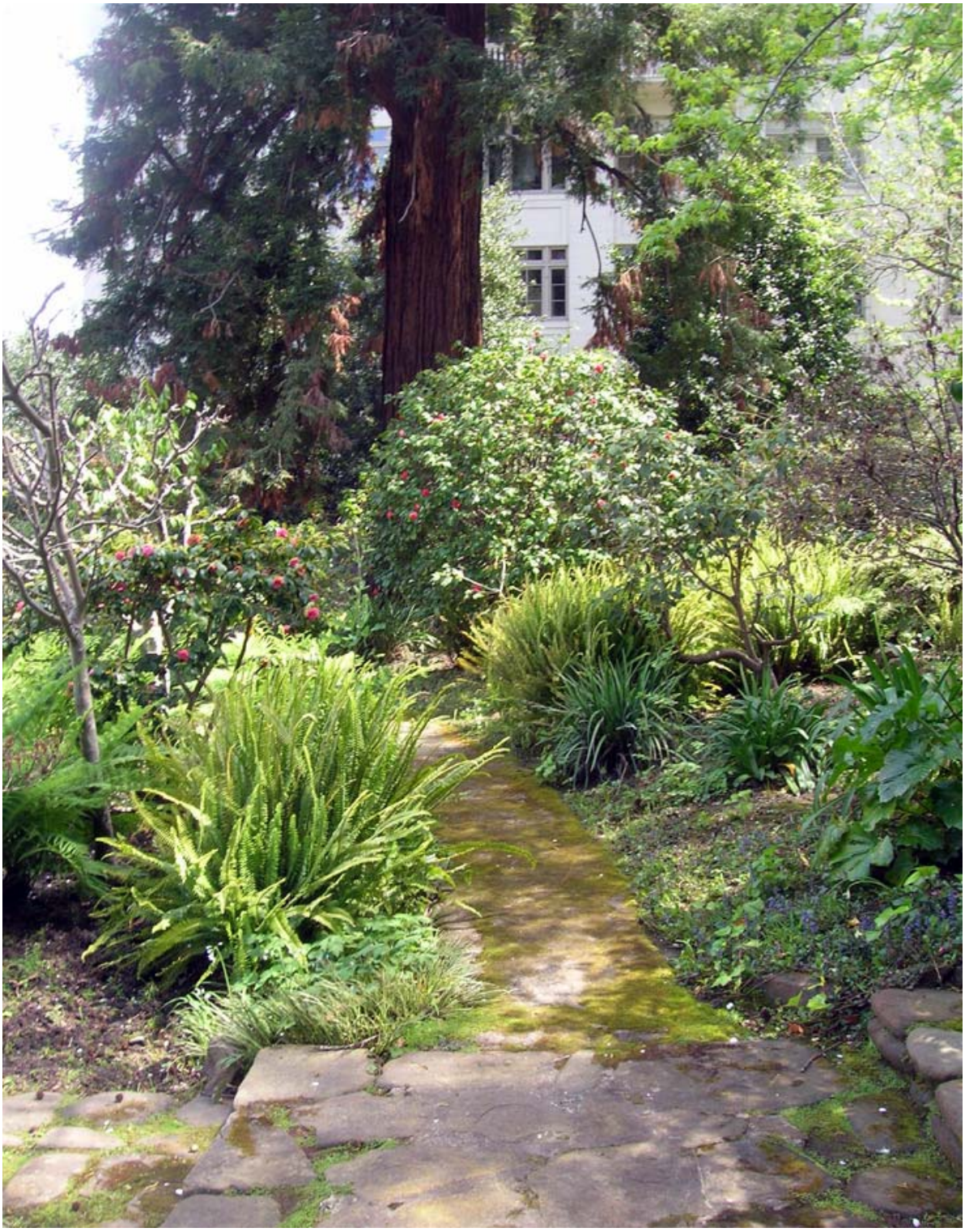
South garden, Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



South garden steps and fountain, Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



South garden, Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



Concrete arbor, Schilling Gardens

Appendix C: Photos of Project Site and Surroundings





Concrete arbor (detail) and greenhouse, Schilling Gardens

Appendix C: Photos of Project Site and Surroundings



South side embankment (19th Street), Schilling Gardens

Appendix D

Oakland Cultural Heritage Survey
Department of Parks and Recreation Historic Resource Inventory (DPR) Forms
200 Lakeside Drive and 244 Lakeside Drive

Historic Resources Technical Report, 222 19th Street, Oakland
Carey & Co., Inc.

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

HISTORIC RESOURCES INVENTORY

Ser. No. —
HABS ___ HAER ___ NR 3
UTM: A N4184310E564980 B
C ___ D

IDENTIFICATION

1. Common name: Regillus Apartments and Garage
2. Historic name: Same
3. Street or rural address: 200 Lakeside Drive (southwest corner Jackson Street); formerly 212 19th Street
   City Oakland Zip 94612 County Alameda
4. Parcel number: 8-634-4 through 8-634-53
5. Present Owner: Multiple-see continuation pages 3 & 4 Address: Varied
   City ___ Zip ___ Ownership is: Public ___ Private x
6. Present Use: 40 apartments and garage Original use: same

DESCRIPTION

7a. Architectural style: Beaux Arts Derivative with Mediterranean Renaissance/Baroque ornament.

7b. Briefly describe the present *physical description* of the site or structure and describe any major alterations from its original condition:

Exterior: The Regillus is an eight-story with basement, freestanding, reinforced concrete apartment building situated on a sloped landscaped site across Lakeside Drive from Lake Merritt near downtown Oakland, California. The basement elevations are exposed on the Jackson Street and Lakeside Drive sides. Although its address is currently 200 Lakeside Drive, the main public entrance has always been on 19th Street at the rear of a broad light court formed by the U-shaped plan of the building. The building is visible from a wide area across Lake Merritt. The building has cast cement ornamental details, a stucco finish, and a sloped tile roof. The entrance marquee and sconces are in iron and glass. The four elevations are fully treated in a three-part vertical composition with restricted base and ornamental top floor level set off by encircling bracketed balconies. Smaller balconies within the shaft of one and two bays breadth enliven and balance the facades. Ornamentation, described as "Venetian" in the 1922 Oakland Tribune Yearbook, perhaps because of the balconies, upper level detail, and the roof, is broadly Renaissance/Baroque in derivation.

(see continuation page 5)



8. Construction date: Estimated ___ Factual 1921-22
9. Architect Willis C. Lowe
10. Builder Palmer and Peterson
11. Approx. property size (in feet) Frontage 168 Depth 210 or approx. acreage ___
12. Date(s) of enclosed photograph(s) 1982 & 1983

275-30A 200 Lakeside Dr.; Regillus Apts.: (South & East elevations)

DPI

13. Condition: Excellent X Good ____ Fair ____ Deteriorated ____ No longer in existence ____

14. Alterations: None apparent

15. Surroundings: (Check more than one if necessary) Open land ____ Scattered buildings ____ Densely built-up X
Residential X Industrial ____ Commercial ____ Other: Lake Merritt and Lakeside Park

16. Threats to site: None known X Private development ____ Zoning ____ Vandalism ____
Public Works project ____ Other: ____

17. Is the structure: On its original site? X Moved? ____ Unknown? ____

18. Related features: 244 Lakeside Drive (front and rear)

SIGNIFICANCE

19. Briefly state historical and/or architectural importance (include dates, events, and persons associated with the site.)

The Regillus Apartments, designed in 1921-1922 by architect Willis Lowe for contractor and real estate developer Percival A. Palmer, is a good example of its style but is most distinguished by its siting, landscaping, and prominence on Lake Merritt. Like its neighbor, 244 Lakeside Drive, (see SHRI form) the Regillus exemplifies the great era of apartment building for the rich of the 1920's and was probably the first of these structures to have been built in Oakland (Oakland Tribune, February 9, 1969). Referred to as "the finest in the West" (Tribune Yearbook 1922 and considered by some to be the best address in Oakland (Oakland Tribune, March 30, 1975), the Regillus is the residential counterpart of some of the city's most prominent skyscrapers of the same era in its clientele and its impact on the image and character of the city.

Building permit 63470, issued August 26, 1921 for the Regillus, identifies the owner as Percival A. Palmer, the builder as Palmer's construction firm, Palmer and Peterson, and the cost as $430,000. The original plans show the architect as Willis C. Lowe. A captioned rendering of the Regillus in the 1922 Oakland Tribune Yearbook indicates that the building was to be completed early that year, and describes Palmer as a "well-known contractor and builder".

(see continuation page seven)

20. Main theme of the historic resource: (If more than one is checked, number in order of importance.)
Architecture X Arts & Leisure ____
Economic/Industrial ____ Exploration/Settlement ____
Government ____ Military ____
Religion ____ Social/Education ____

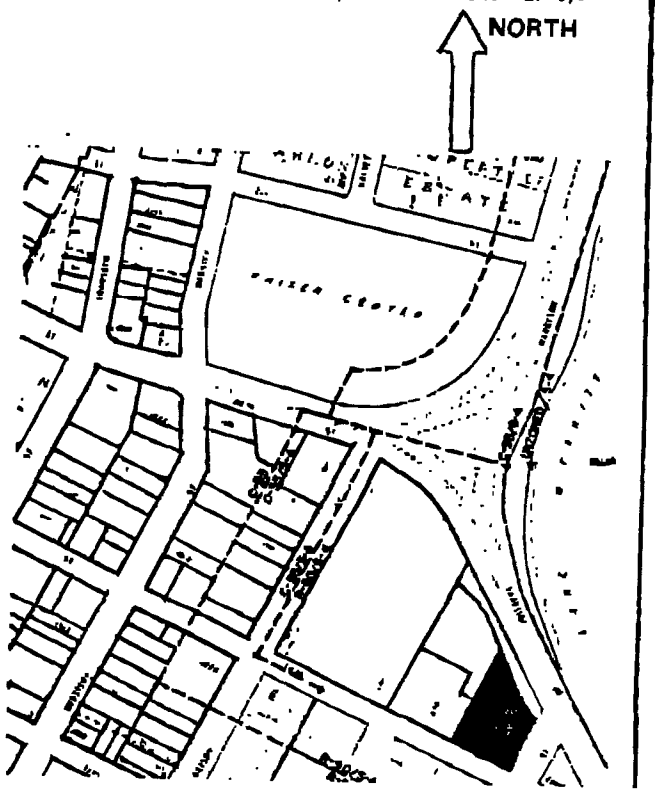
21. Sources (List books, documents, surveys, personal interviews and their dates). Building permits 63470 and 67210. Blue Book and Club Directory 1925 and 1927. 1925 and 1927 Oakland Directories and 1925 and 1926 San Francisco Directories. 1922 Oakland Tribune Yearbook 45. Oakland Tribune 2/9/69, 3/30/75, 9/19/79 and 1/14/79.*

22. Date form prepared April 30, 1983
By (name) Staff and Consultants
Organization Oakland Cultural Heritage Survey
Address: City Planning Dept., City Hall
City Oakland, CA Zip 94612
Phone: (415) 273-3941

© 1985 City of Oakland

*Observer, 1/2/26, 7/3/26 and 12/25/26.

Locational sketch map (draw and label site and surrounding streets, roads, and prominent landmarks):



HISTORIC RESOURCES INVENTORY

Street or rural address: 200 Lakeside Drive (southwest corner Jackson Street); formerly 212 19th Street

7b. Physical Description (continued from page 1)

Notable features include the one-story pavilion entry with its iron and glass marquee, (reminiscent of turn-of-the-century French apartment houses) below the apartment's name and decorative detail.

The Lakeside Drive elevation has advancing end sections corresponding with the U-plan wings and a first floor terrace with Classical balustrade extending across the center section over the exposed basement level. A handsome branching stairway extending from the center of the terrace leads down to a carefully maintained rear garden, dominated by several large conifers.

On the west side of the garden, at the northwest corner of the property, is a two-story stucco reinforced concrete garage with an entrance on the second level from 19th Street. Surfaces are gray tinted stucco, scored to imitate stone ashlar. The facades are divided into undifferentiated bays consisting of tripled windows with small upper lights set within slightly recessed wall sections. A simple entablature and plain parapet extend along the top. The garage is bordered on the Lakeside Drive side by a row of mature Lombardy populars (Populus nigra 'Italica') and has a common wall with the former Schilling carriage houses now part of the 244 Lakeside Drive complex.

Interior: Inside, the main building contains maids' quarters for each apartment on the basement floor, a first floor lobby, and 40 apartments of 4, 5 and 6 rooms. The lobby has a marble tile floor, decorated columns, beamed ceiling and chandeliers. A lounge with fireplace connects the lobby to the rear terrace. The apartments themselves include living rooms with marble wood burning fireplaces. Original finishes, including brass hardware and marble showers were of the best materials.



290-33 200 Lakeside Dr.; Garage:
(East elevation)

HISTORIC RESOURCES INVENTORY

Street or rural address: 200 Lakeside Drive (southwest corner Jackson Street); formerly 212 19th Street



275-26A 200 Lakeside Dr.; (front entrance)



290-30 200 Lakeside Dr.;Regillus Apts.: (Stairway to rear - lobby)

HISTORIC RESOURCES INVENTORY

Street or rural address: 200 Lakeside Drive (southwest corner Jackson Street); formerly 212 19th Street

19. Historical and/or Architectural Importance (continued from page 2)

Palmer is listed in the 1922 directory as a resident of the Regillus.

The Regillus was built on the site of the August Schilling estate, one of the grand nineteenth century residences that characterized the Lakeside neighborhood prior to its twentieth century development as an apartment district. A portion of Schilling's famous gardens, which were open to the public, is still preserved to the west of the Regillus behind 244 Lakeside Drive (see SHRI form). At the time of the Regillus's construction, Lakeside Drive had not yet been built, and the building's rear yard fronted directly on Lake Merritt with private boathouses for the tenants (1922 Oakland Tribune Yearbook), continuing the tradition that had been established by the nineteenth century houses around the Lake.

The Regillus was described in a 1926 issue of The Observer as "home to some of our best people" and "the setting for many of our select social gatherings". This reputation is reflected in the Blue Book and Club Directory, a leading social register of the period, which in 1925 listed eight residents of the Regillus and in 1927 ten. These residents included several important business and political figures including department store operator Sherwood B. Swan, of Swan's 10th Street Market, construction company president Dwight Hutchinson, Henry Kennedy Jackson of the well-known Jackson's Furniture Store, real estate developer Frank J. Woodward, theater manager Rex William Midgley, and Judge William H. Langdon. City directories indicate that some of these individuals maintained more than one residence, Palmer and Jackson also having houses in Piedmont and Hutchinson also listed in San Francisco's St. Francis Hotel. Those using the Regillus as a second residence may have been attracted by its convenient proximity to the workplaces and nighttime entertainment of downtown Oakland.

The garage was built separately under Building Permit 67210, issued March 26, 1922, which shows Palmer as the owner and contractor and the cost as $20,000. The original plans again show Willis Lowe as the architect.

The Regillus underwent a careful $1,000,000 renovation in 1974-75. (Oakland Tribune, March 30, 1975) Further renovation occurred in the late 1970's when it was converted to condominiums. (Oakland Tribune, September 19, 1978 and January 14, 1979). It continues to operate as one of Oakland's finest, large, multiple-unit residences and retains much of its original opulence. Its large-scale, distinctive monumental design and prominent Lake Merritt location make it an especially familiar, visual landmark in Oakland, closely identified with the image of Lake Merritt.

Architect Willis Lowe, based in San Francisco, appears to have had a close professional relationship with Palmer. In addition to the Regillus , Lowe and Palmer collaborated in Oakland on the 1922-23 Medical Building at 1900-8 Franklin Street/363-7 19th Street (see SHRI form) and the 1924-25 Ray Building at 1918-28 Broadway. Between 1935 and 1949 Lowe was chief airport engineer for Pan American, mapping out and directing construction of the airline's island airports prior to the first clipper passenger flight in the 1930's (Oakland Tribune, February 9, 1979).

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

HISTORIC RESOURCES INVENTORY

Ser. No. _____
HABS ____ HAER ____ NR 3 SHL ____ Loc ____
UTM: A 10/564940/4184240 B _____
C _____ D _____

IDENTIFICATION

1. Common name: Lakeside Drive (244) Complex
2. Historic name: Lakeside Drive Apartments, Schilling (August) House Garage and Garden
3. Street or rural address: 244 Lakeside Drive
   City Oakland Zip 94612 County Alameda
4. Parcel number: 8-634-1 and 3
5. Present Owner: Lakeside Corp. Address: 155 Sansome St.
   City San Francisco Zip 94104 Ownership is: Public _____ Private X
6. Present Use: Apartments, garage, garden Original use: Same

DESCRIPTION

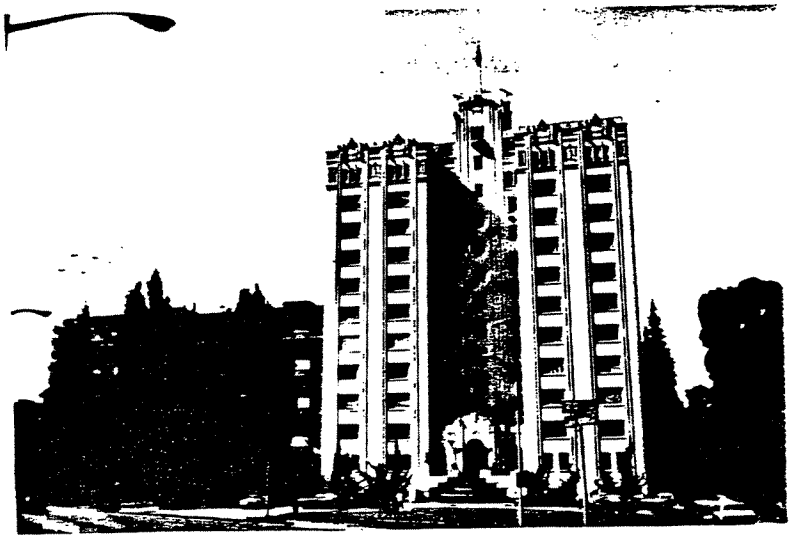
7a. Architectural style: Beaux Arts derivative

7b. Briefly describe the present *physical description* of the site or structure and describe any major alterations from its original condition:

On a mid block lot across Lakeside Drive from Lake Merritt and going through to 19th Street, the Lakeside Drive (244) Complex is a twelve-story 20-unit apartment building and a 2-story garage, both set in a large, partly historic garden. The apartment building is visible from a wide area across Lake Merritt. It is set back from and at an angle to Lakeside Drive, approached by a curving driveway. Open 35' side yards are used on the right (west) as landscaping that relates to the adjoining Snow Park, and on the left (east) for a driveway to the garage on the eastern lot line behind the main building. The two structures are connected by a one-story curved concrete wall penetrated by a curved center stairway leading to the rear garden which occupies roughly the southern half of the site (parcel 8-634-3).

244 Lakeside Drive (front), the apartment building, is a reinforced concrete structure of H-shaped plan open to the north and south. The design is in a somwhat unusual two part vertical composition with the shaft rising directly

(see continuation page 5)



8. Construction date: Estimated _____ Factual c.1901
25
9. Architect Various, see continuation page 3
10. Builder Various, see continuation page 3
11. Approx. property size (in feet) Frontage _____ Depth _____ or approx. acreage 1.41
12. Date(s) of enclosed photograph(s)

269-28A Lakeside Drive (244) Comp
7/82

13. Condition: Excellent X Good X Fair ___ Deteriorated ___ No longer in existence ___

14. Alterations: Much original landscaping changed

15. Surroundings: (Check more than one if necessary) Open land ___ Scattered buildings ___ Densely built-up X
Residential X Industrial ___ Commercial ___ Other: Lake Merritt, Lakeside Park, Snow Park

16. Threats to site: None known X Private development ___ Zoning ___ Vandalism ___
Public Works project ___ Other: ___

17. Is the structure: On its original site? X Moved? ___ Unknown? ___

18. Related features: 200 Lakeside Drive (Regillus Apartments)

SIGNIFICANCE

19. Briefly state historical and/or architectural importance (include dates, events, and persons associated with the site.)

The Lakeside Drive Complex exemplifies both the great era of luxury apartment building in the 1920s and the prominent garden siting of 19th century upper-class homes. The combination has resulted in occupancy by some of Oakland's prominent citizens from the apartment building's opening and continuing today. Its large scale, distinctive design and prominent Lake Merritt location make the complex an especially familiar visual landmark in Oakland. Together with its neighbor, the Regillus, it dominates the middle portion of Lake Merritt's west shore and is closely identified with the image of the lake itself. The 19th Street garden frontage and rear elevation terminate the view along Alice Street from the south and, with the tall trees, provide an attractive focal point for viewing the handsome group of early 20th century apartment buildings along Alice Street between 14th and 17th Streets (see SHRI form for Lakeside Apartment District). The landscaping also provides a visual addition to Snow Park to the west.

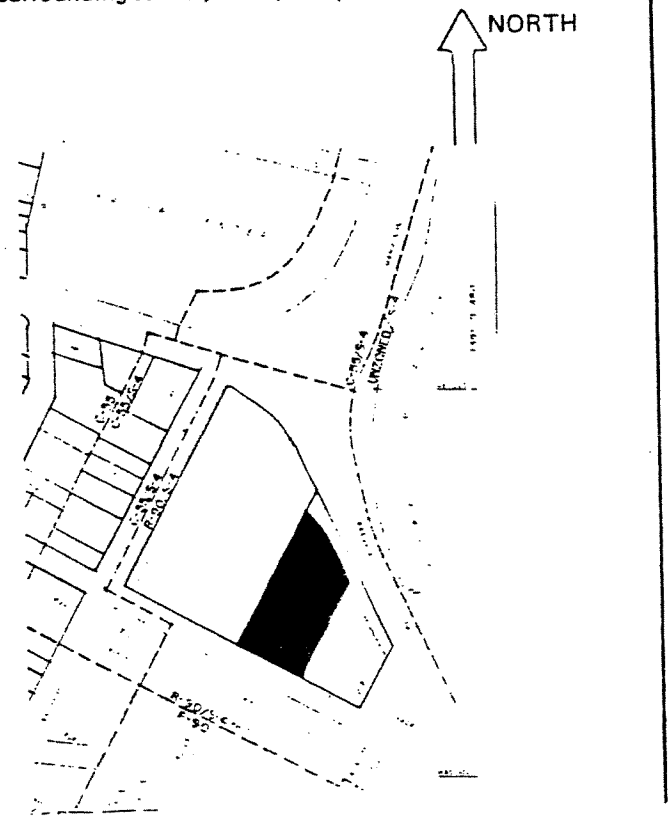
(see continuation page 10)

20. Main theme of the historic resource: (If more than one is checked, number in order of importance.)
Architecture 1 Arts & Leisure ___
Economic/Industrial ___ Exploration/Settlement ___
Government ___ Military ___
Religion ___ Social/Education 2

21. Sources (List books, documents, surveys, personal interviews and their dates).
Assessor's Block Books
Sanborn maps
Building permits, plans & specifications
Oakland Directories
(see continuation page 9)

22. Date form prepared December 31, 1984
By (name) Staff
Organization Oakland Cultural Heritage Survey
Address: City Planning Dept., City Hall
City Oakland Zip 94612
Phone: (415) 273-3941

Locational sketch map (draw and label site and surrounding streets, roads, and prominent landmarks):



© 1985 City of Oakland

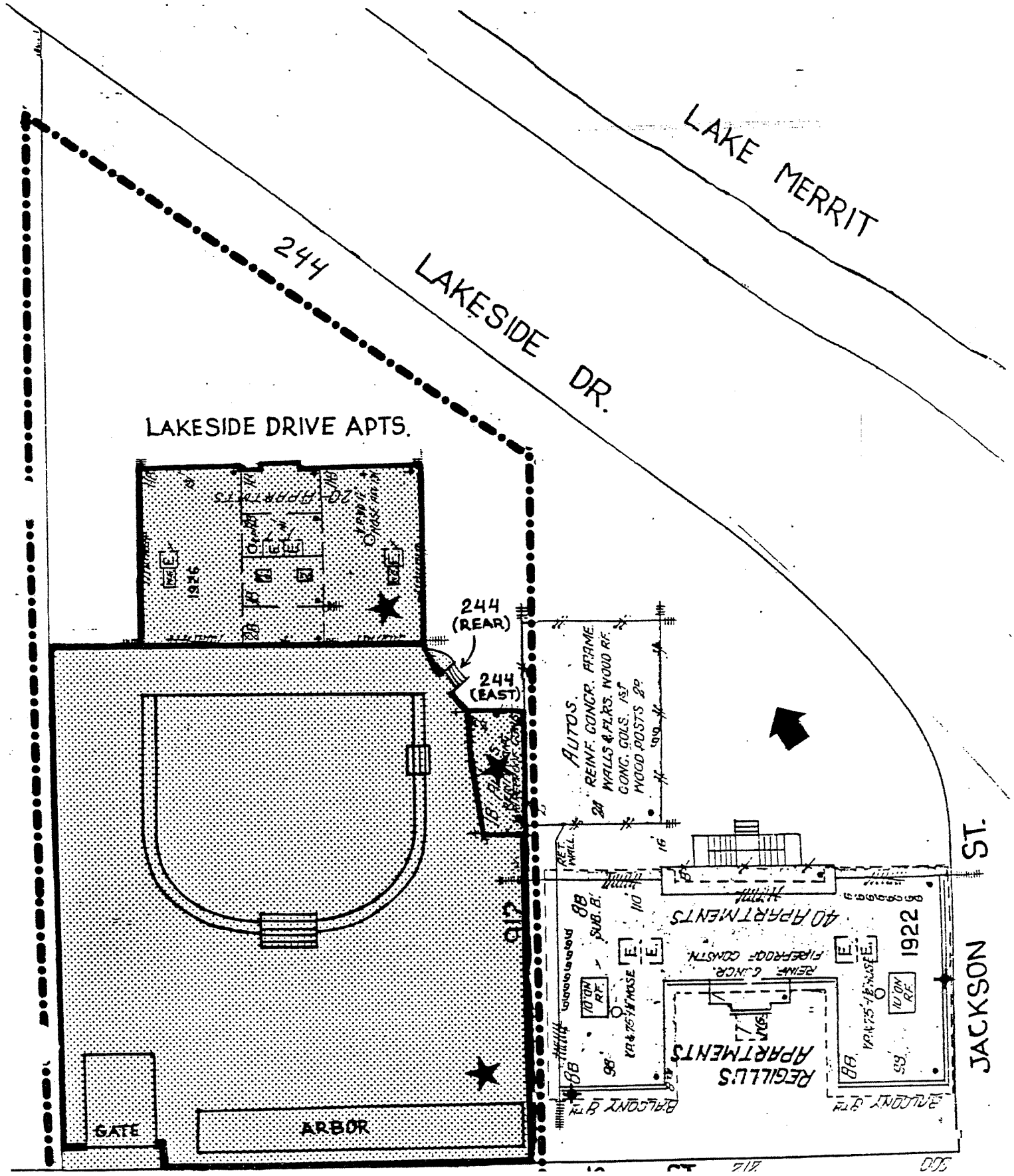
Street or rural address: Lakeside Drive (244) Complex

Address Common Name Historic Name	Date, Cost Architect Builder	Source
244 Lakeside Dr. (front) 244 Lakeside Drive Apartments Lakeside Drive Apartments	1924-25, $500,000 Maury I. Diggs Same	Permit #99600
244 Lakeside Dr. (east side) ...Garage Schilling (August) House Garage	1909-10, $2,000 Unknown Bluxome & Company	Assessor's Block Book, 1910
244 Lakeside Dr. (rear) ... Garden Schilling Gardens (portion)	c.1901, unknown August Schilling Unknown	Assessor's Block Books Jones, Oakland Parks..., 1935: 273-74



269-33A Left to right: garage, steps to garden, apartment building edge, Lakeside..., 7/82

Street or rural address: Lakeside Drive (244) Complex



7b. Physical Description (continued from page 1)

from the understated ground floor treated as a high basement. The shaft is crowned by a highly decorated twelfth floor level. An additional thirteenth floor extends along the stem of the "H", topped with center elevator tower. The main entrance is set in a slightly advancing second-floor pavilion filling the base of the north lightcourt, approached by a double staircase leading to a tile-floored terrace. Front landscaping includes a semi-circular fountain against the stairwalls. The stucco walls are painted a uniform cream color and are embellished with cast cement ornament concentrated around the first floor entrance pavilion and at the twelfth and thirteenth floors. Entry area railings, balustrades, light poles, marquee, door frame and window grills are of wrought iron. The ornamnetation is Spanish Renaissance/Baroque in style and includes twisted column orders with highly decorative friezes, decorative panels, cartouches, human figures and animal heads.

Inside, the main level consists of a central entrance and elevator lobby sequence flanked by a banquet hall-ballroom and a billiard room with servants' rooms and owners' store rooms at the rear. The richest of these spaces was originally the main lobby with colored glass skylight, ornamental tile columns, iron staircase and lamp, and mahogony doors, but the original surface treatments have been remodeled. The ballroom's cast plaster ornament remains intact. Upstairs, the third through tenth floors are shown on the original plans as two apartments apiece, each with 3 bedrooms and baths, a kitchen, laundry, service entrance, breakfast room, dining room, and living room with fireplace. The eleventh and twelfth floors are similar with some variations. The center section's thirteenth floor is shown as a "sun room".

244 Lakeside Drive (east side) is a two-story, stuccoed, reinforced concrete garage in Beaux Arts style. The plan is approximately rectangular with a slightly curved west side. Entrance to the lower level is on the main north elevation from a driveway along the main building's east side. The upper level, now used as a garden house, is entered from the south side where because of the sloped terrain only the upper level is exposed. According to the management, the upper level was originally used for carriages and had a revolving floor for turning the carriages around and rehitching the horses. The main north elevation is designed as an enframed pavilion in a two-part vertical composition dominated in the upper level by a large pair of slightly recessed French doors framed by Ionic columns. An entablature extends around the top below a classical balustrade. A belt cornice divides the two levels. The lower level has paired sliding wood doors, each with a large diagonally braced lower panel and two small glazed upper panels. Wall surfaces are scored to imitate stone and are almost entirely covered by vines. The east side of the structure is a common wall with the adjacent Regillus Apartments garage (see SHRI form for 200 Lakeside Drive).

244 Lakeside Drive (rear) is an approximately 188'X185' rear garden containing elements of the turn-of-the-century August Schilling Gardens, which occupied the entire 244 and 200 Lakeside Drive sites, approximately three times the remaining garden acreage. It is currently designed with a large semi-elliptical central lawn area extending from the rear of the apartments and bordered by rich plantings of trees, shrubs, and herbacous flowering plants, including many unusual or exotic specimens. Informal stone paths pass through the perimeter plantings. Parallel to 19th Street there still exists a section of Schilling's rustic-style concrete arbor

(see continuation page 6)

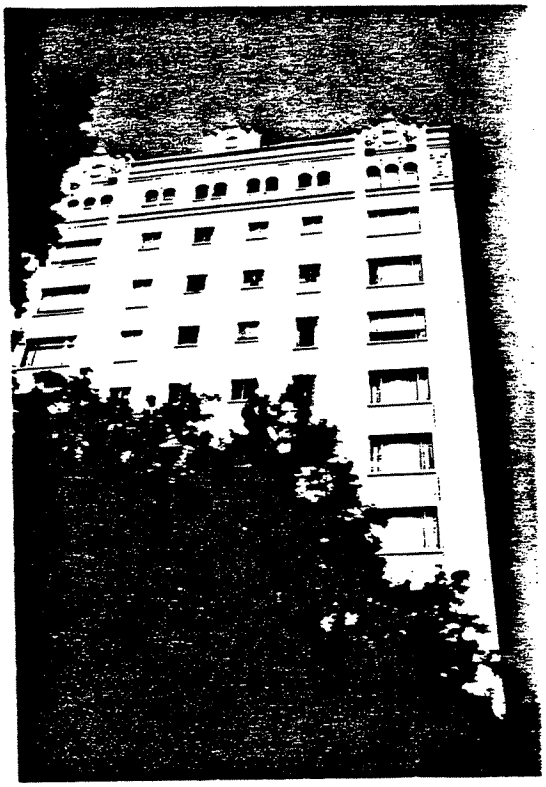
7b. Physical Description (continued from page 5)

composed of imitation tree trunk posts and tree branch beams, draped with original wisteria and roses. Other surviving elements from the Schilling Gardens include one of the several existing redwood trees, a large holly tree, a camperdown elm, tree ferns, and paired wrough iron gates with the initials "A.S." at the west end of the 19th Street frontage. The gates are now mostly covered with chain link and wood slates. Also probably part of the Schilling Garden is a high rubble stone embankment largely hidden by ivy along the 19th Street frontage east of the gates. Originally the gardens were densely landscaped with exotic plants and rare ferns along with fountains and statuary (Jones and old photos). There was also an "artificial cave" (1912-48 Sanborn map). The arbor along the 19th Street frontage once extended a perpendicular arm at the east and down to the auto garage and a shorter arm at the west end (1930-11 Sanborn map). The arbor formerly had electric light fixtures.



295-4 Garden, 244 Lakeside Dr.
looking southwest from lawn,
1983

Street or rural address: Lakeside Drive (244) Complex



269-35A East elevation, 244 Lakeside Dr. apartment, 7/82



269-27A Apartment, 244 Lakeside Dr., 7/82

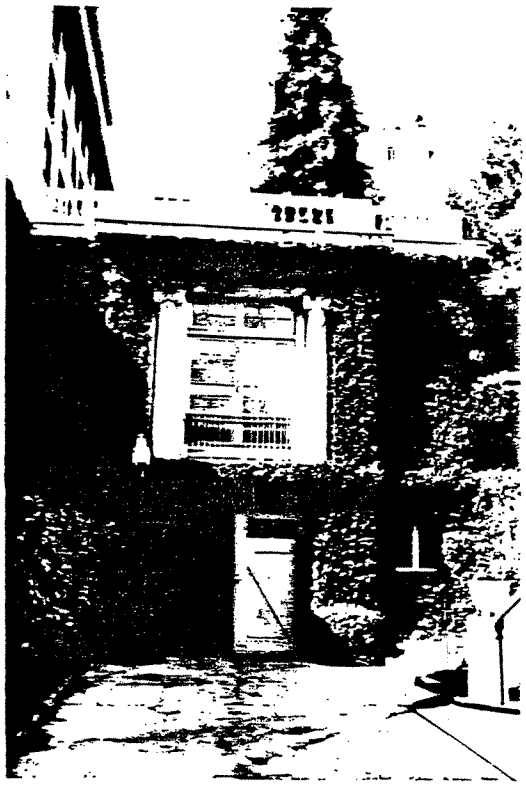


269-29A Entry, 244 Lakeside Dr. apartment, 7/82

Street or rural address: Lakeside Drive (244) Complex



269-36A Lakeside... garage looking south from driveway beside apartment, 7/82



269-32A Garage, 244 Lakeside Drive, 7/82



278-9A Garden, 244 Lakeside Dr., 19th St. side, looking east, 7/82

Street or rural address: Lakeside Drive (244) Complex

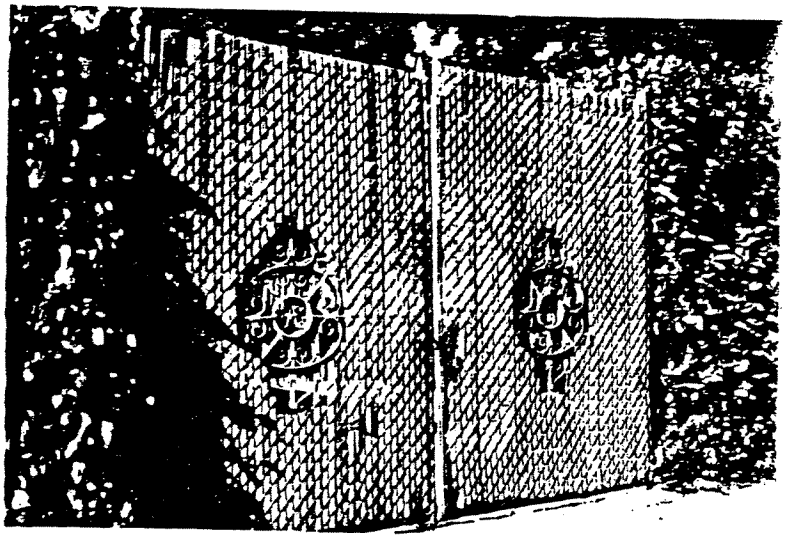


290-35 Tree ferns in garden arbor, 244 Lakeside Dr., 1983



290-36 Vine-covered concrete "tree" in garden arbor 244 Lakeside Dr., 1983

278-12A Garden, 244 Lakeside Dr., 19th St. gate, 7/82



19. Historical and/or Architectural Importance (continued from page 2)

For the first two decades of the 20th century the August Schilling Estate occupied the three parcels now developed with the Lakeside Drive Apartments and the Regillus Apartments (see SHRI form for 200 Lakeside Drive). The Schilling house was on the east end of the estate facing Jackson Street on the site currently occupied by the Regillus Apartments. Lakeside Drive had not yet been constructed, and the north side of the Schilling property directly bordered Lake Merritt. The rest of the estate was devoted to the garden, with a servants' house and the still extant automobile garage in the center and several small outbuildings along the lake perimeter.

The Schilling Gardens were developed beginning in the 1890s by August Schilling, cofounder of the well known coffee, tea and spice firm, A. Schilling & Co., based in San Francisco. They were open to the public at certain times, and their rich and varied collection of exotic plants and fanciful structures made the gardens one of Oakland's favorite attractions. Schilling, a German immigrant, came to San Francisco in the 1870s and founded A. Schilling & Company in partnership with George F. Volkman (O'Brien). In 1892, Schilling bought as his residence the house at the northwest corner of 19th and Jackson Streets built about 1882 by Jonas Seely (Knave). In 1900-01 (Assessor's Block Book) Schilling acquired the large parcel to the west containing the Judge O.L. Shafter residence. He removed the Shafter House and developed the combined sites into the Schilling Gardens. Described as "a great flower fancier", Schilling may have designed much of the gardens himself. In 1903 he had planned a miniature Japanese garden with arched bridge and goldfish pond at the Schilling Company's new building at 2nd and Folsom Streets in San Francisco. The layout also included a geranum-planted hillside topped by a conservatory (O'Brien).

The opening of elaborate private homes and gardens without charge to the general public was a common nineteenth century practice. The Schilling Estate was one of several private parks open to the public in Oakland. In New York City, owners of the Fifth Avenue mansions would throw open their doors to public viewing on Sunday afternoons. These customs were stimulated in part by the belief that exposure of the general public to high quality environments would encourage individuals to improve the quality of their own lives, leading to improvement in the condition of society as a whole.

Jones states that the concrete arbor, called the "hanging gardens", was built later than the rest of the garden complex and was one of its most celebrated features. The arbor's appearance on a 1903 Sanbon Map, but not on a 1901 map, dates it sometime between 1901 and 1903. According to the present management of 244 Lakeside Drive, the arbor was built by Japanese craftsmen. Rustic arbors, built of natural or artificial tree trunks and branches, and similar types of romantically primitive or picturesque structures, such as Schilling's now-vanished cave, were highly characteristic of late nineteenth century landscaping design, reflecting the influence of Alexander Jackson Downing and others. The execution of such structures in concrete recalls more common small-scale concrete "tree branch" garden fences and furniture.

The appearance of $2,000 worth of new improvements on the parcel comprising the Schilling Estate in the 1910 city tax assessment block books with the note "concrete garage about complete" indicates that the garage annex was mostly built in 1910,

(see continuation page 11)

19. Historical and/or Architectural Importance (continued from page 10)

although possibly begun in 1909. The 1911 block book, with the garage valued at $2,000, also shows Schilling owning three autos, valued at $1,500, $2,000 and $300. Architect & Engineer shows the garage built by Bluxom & Company, a San Francisco firm created in 1907 to specialize in reinforced concrete construction, which also built a Sloat Blvd., S.F., water pumping station similar to Willis Polk's P.G.& E. Station G.

The Schilling House remained standing until 1921 when it was sold to Percival A. Palmer who in 1921-2 developed the Regillus Apartments on its site. The northwestern third of the property was developed with the 244 Lakeside Apartments in 1924-25. At about the same time the Schilling Estate sold the southwestern third to the Lakeside Apartment owners as a separate parcel with the condition that the "hanging gardens" remain intact (Jones).

Building permit 99600, issued February 13, 1925 for 244 Lakeside Drive shows owner as Lake Drive Corporation, architect and builder as Maury Diggs, and cost as $500,000. Original plans indicate that Diggs was also the structural engineer. The introduction to the 1926 directory (p.20) indicates that the building was finished during 1925 and describes it as "... a beautiful building constructed by Architect M.I. Diggs and a group of his business associates" and "the first community-owned apartment building in Oakland". A photograph of the building in the 1927 directory (p.20) indicates that it was originally called the Lake Drive Apartments.

Maury I. Diggs (1880-1953) was among the most enterprising and colorful of Oakland's early 20th century architects. An obituary in the January 20, 1953 Oakland Tribune describes him as "a sportsman, promoter and inventor". He is listed in the 1926 through at least 1928 directories as a resident of 244 Lakeside Drive, reflecting his tendency to become personally involved with his major projects. He had previously lived in Piedmont. His other large buildings in Oakland include the 1925-26 Latham Square Building at 1601-15 Telegraph Avenue and, in association with Weeks and Day, the 1927-28 Fox Oakland Theater complex at 1807 Telegraph Avenue (see SHRI forms). For both of these projects, Diggs acted as financial organizer (serving as secretary of a development corporation) and, when the buildings were finished, project manager, in addition to his roles as architect. contractor and engineer. In at least some of his projects he had a substantial financial interest himself. His projects outside of Oakland included Bay Meadows, Golden Gate Fields and Hollywood Race Tracks, the San Jose State Teachers College and San Quentin Prison. Early in his career he worked as California State Architect. After retiring from architecture, Diggs became an inventor, his innovations including new types of paint and insect killer.

The original organization of 244 Lakeside Drive as a community apartment is reflected in an attractive brochure in the possession of the present management, which describes each unit as a "home" and includes photographs of some of the apartments and other interiors, opulently decorated and furnished in the style of the large houses of the period. According to the present management, the condominium-like concept was too innovative for the time, and the building was soon converted to rental units.

The 1926 and 1927 City directories indicate that original or early residents of the building included some of Oakland's most important figures, including

(see continuation page 12)

19. Historical and/or Architectural Importance (continued from page 11)

Oakland Tribune publisher and political magnate Joseph R. Knowland, and William A. and Stephen D. Bechtel of the internationally known Bechtel engineering and construction firm, then called the Bechtel and Utah Construction Company and based in Oakland. A second brochure in the possession of the management, which appears to have been prepared when the building was changed to rentals, identifies Knowland as corporation president and William A. Bechtel as vice-president. The 1967 directory still lists S.D. Bechtel as a resident. According to the management, most of the early residents wished to be relived of the concerns of running a home and were attracted to 244 Lakeside Drive for its combination of apartment house convenience and home-like environment. Many of the residents had been friends or business associates prior to moving into the building.

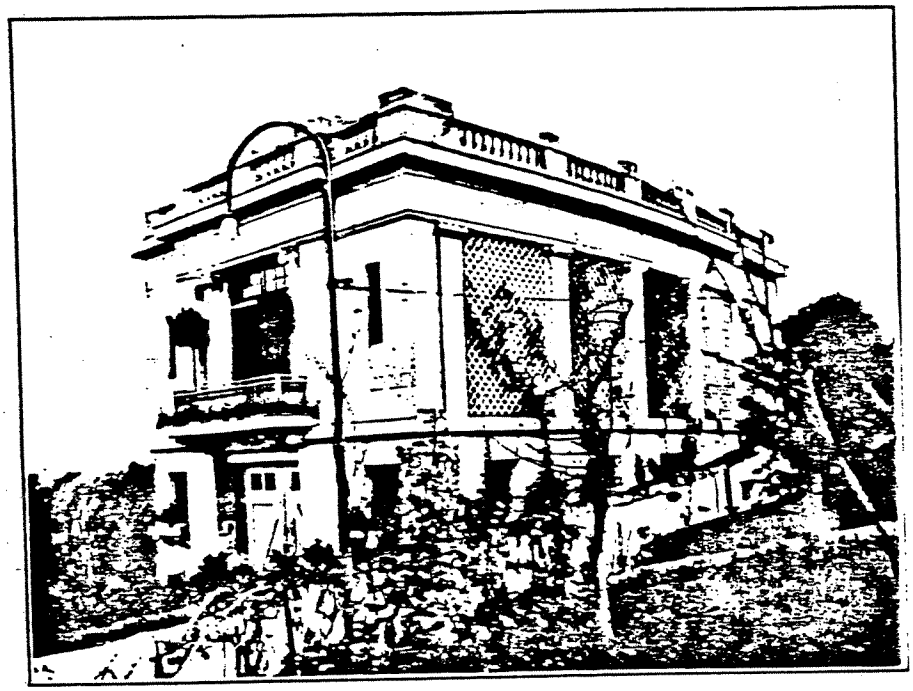
The work of an important early 20th century architect, Maury I. Diggs, the main structure is one of Oakland's best examples of an early 20th century highrise apartment building in its use of materials and quality of detail. It is also significant as the residence during te 1920s of some of Oakland's most distinquished citizens and for its pioneering community ownership arrangement. Most important, however, are its siting, landscaping and citywide familiariety by virtue of its prominent Lake Merritt location.

The surviving elements of the Schilling Gardens are significant as the last reminder of one of nineteenth century Oakland's best-known showplaces, illustrative of some of the social attitudes peculiar to its era, and a type of garden with few surviving local examples. The rustic style arbor section is especially significant as an extremely unusual turn-of-the-century garden element constructed in concrete. The garage is significant for its associations with the Schilling complex, as an early example of reinforced concrete construction and, in its Beau Arts influenced styling, an unusually elegant example of its type.

The complex as a whole appears eligible for listing on the National Reigster of Historic Places. Its apartment building and garden components also appear individually eligible for the Register.

21. Sources (continued from page 2)

Brochures c.1926 and c.1927 for 244 Lakeside Drive
(in possession of the management)
Jones, De witt, ed. Oakland Parks and Playgrounds, 1935: 273-274
Knave, Oakland Tribune, 18 Mar. 1962
O'Brien, Robert, "Riptides: The Two Young Men From Bremen"
San Francisco Chronicle, 7 May 1947: 16
Flint, Leslie, The Heart of Oakland: A Walking Guide to Lake Merritt,
Camron Stanford House Preservation Association, c.1979: 13, 15
Architect & Engineer, Dec. 1913: 83; Nov. 1913: 83.



Concrete Garage for Mr. A. Schilling on Shore of Lake Merritt, Oakland
Blurome & Company, Builders

Garage, 244 Lakeside Dr.
1913 view
Source: Architect & Engineer

Appendix E

Response to Reid Report

Historic Resources Technical Report, 222 19th Street, Oakland
Carey & Co., Inc.

APPENDIX E: RESPONSE TO REID REPORT

We have reviewed Finola Reid's July 2007 report entitled "Statement of Significance, August Schilling's Garden, 222 19th Street, Oakland." The report, which, unfortunately, shows little understanding of either the California Environmental Quality Act or the California Register of Historical Resources, does not lead us to modify the conclusions of our evaluation, namely that the proposed project would have significant impacts on the Schilling Gardens, the 244 Lakeside Drive complex (including the Schilling Garage) and the Regillus Apartments and Garage, each if which should be considered historical resources for purposes of CEQA. Specific aspects of Reid's report are addressed below.

1) In reviewing the historic record, Reid claims that

> If the [Schilling Garden] were of significant historic importance in its own right because of its design or layout, disregarding any of Mr. Schilling's spice trade activities, there surely would be some records or accounts in [repositories related to late 19th century/early 20th century plant expeditions and horticultural societies] (4).

While the absence of such evidence certainly does not increase the Gardens' significance, it also does not necessarily hurt it. As described above, and in Reid's report, the Schilling Gardens were considered an exotic and popular attraction at the time of their creation and early development. They do not need to have merited recognition "on a national or international scale," as Reid implies, in order to be deemed sufficiently significant to be eligible for the California Register of Historical Resources (5). Moreover, because the gardens have been deemed significant by the City of Oakland due to their association with August Schilling, the issue of whether or not the plants in the garden are rare examples is irrelevant to the garden's status as a significant resource.

2) Reid recognizes that, as a private estate garden previously open to the public, the Schilling Gardens are a rare historical resource:

> In its heyday Mr. Schilling's residence would have been one of many grandiose mansions with private gardens that graced the Lake Merritt lakeshore landscape. Those old mansions and their gardens have long disappeared or been redeveloped and built on, making this a rare survivor of that period….Remarkably the garden has survived to the present day despite the various changes of ownership since it was first laid out (5-6).

3) In describing the elements of the Gardens that would have been particularly charming to early 20th Century visitors, Reid calls out two features: (1) the wrought iron gate with Schilling's initials and (2) the concrete arbor with electrical light fittings and overhead ironwork and wisteria (6). It is important to note that these elements remain in the existing gardens, in their original locations.

4) Reid states that the City of Oakland's decision not to buy the Schilling Gardens when they were offered to the City in 2005 implies that the gardens are not of historical significance. This claim, which, by extension, would bring into question the historic significance of any resource that has not been acquired by the City, is without merit. The City of Oakland has strictly limited funds with which to acquire private parcels for public use, and a limited interest in doing so. A consideration of the Schiller Gardens' historic significance would have played a minor to nonexistent role in the City's decision not to acquire the gardens.

5) Reid incorrectly suggests that modifications to Snow Park are part of the proposed project:

> The proposed landscape designs for the new apartment development present a unique opportunity to re-join Snow Park visually to the old Schilling garden site. Opening up the garden site and re-establishing the link between the two areas as part of the new development would ensure that Snow Park would be given much needed investment and a new lease of life. A programme of restoration to include tree planting, the addition of colourful floral display borders and the general upgrading of Snow Park would ameliorate loss of the garden and would benefit all citizens of Oakland (7).

Leaving aside the issue of how constructing a 450-foot tower on top of a garden would help connect the site to an adjacent park, no such improvements to Snow Park are included in the proposed project. Thus the question of whether or not such improvements would ameliorate the loss of the Schilling Gardens is moot. No such amelioration could occur, because no such improvements are proposed.

6) Reid claims that "with its character and setting hugely altered, the garden lies waiting for re-development in accordance with its zoning for residential use" (18). While the integrity of the Gardens' *setting* has certainly been compromised, that alone is insufficient to render the Gardens' ineligible for the California Register. In fact, as described above, much of the character of the original garden remains. As Reid notes, this is particularly striking, given the many changes in ownership and the tendency for landscaped gardens to be changed over time (2). As part of the Oakland Cultural Heritage Survey, the Schilling Gardens were found to be eligible for the California Register in 1983. In our site reconnaissance and archival research, we did not find evidence of changes to the Gardens' since that time that would warrant overturning the 1983 determination.

7) Reid claims of the Garden that "[b]ecause of its history there is a perception and local opinion that it is of sufficient historic significance to warrant protection and preservation, despite the fact that the area is zoned for residential development" (18). As explained above, that perception is well founded. The issue of the land being zoned residential is irrelevant; as made clear in the regulatory sections above, the assessment of the Gardens' historical significance and its eligibility for the California Register should be conducted independently of any zoning considerations.

APPENDIX G

ARCHAEOLOGICAL AND PALEONTOLOGICAL RESOURCES STUDY

AN ARCHAEOLOGICAL AND PALEONTOLOGICAL RESOURCES STUDY FOR THE 19TH STREET RESIDENTIAL CONDOMINIUMS PROJECT

OAKLAND, ALAMEDA COUNTY, CALIFORNIA



LSA

September 2006

AN ARCHAEOLOGICAL AND PALEONTOLOGICAL RESOURCES STUDY FOR THE 19TH STREET RESIDENTIAL CONDOMINIUMS PROJECT

OAKLAND, ALAMEDA COUNTY, CALIFORNIA

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LSA

September 12, 2006

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Figure 1: Project Vicinity Map 2

A. INTRODUCTION

A project to develop a 42-floor residential tower containing 370 condominiums and five-floors of subsurface parking is proposed for 0.75 acres at 222 19th Street, Oakland, Alameda County, California (Figure 1). The residential tower would have an approximate footprint of 12,200 square feet, and excavation for subsurface parking and building foundation would extend approximately 60-feet below grade. LSA Associates, Inc. (LSA), conducted this archaeological and paleontological resources study in support of an environmental impact report being prepared by LSA for the proposed project. Carey & Co. Inc. is preparing a built environment historic resources technical report for the project area's landscaped gardens and the adjacent buildings.

The purpose of this study is to (1) identify archaeological resources that may meet the California Environmental Quality Act (CEQA) definition of a historical resource or unique archaeological resource and may be affected by the proposed project; and (2) identify paleontological resources (fossils) that may be significant and may be affected by the project.

The archaeological resources study consisted of a literature review, a records search, consultation with potentially interested parties, and a field survey of the project area. LSA's archaeological survey found no evidence of surface archaeological deposits. The project area has, however, the possibility of containing unidentified archaeological deposits that may meet the CEQA definition of historical resources, and construction monitoring for archaeological resources is recommended. The president of the Alameda County Historical Society, Ed Clausen, stated that he would like the existing gates initialed A.S. (for August Schilling) to be preserved and the gardens maintained to whatever extent possible. Please refer to the Study Results and Recommendations sections for details.

The paleontological resources study consisted of a fossil locality search and a literature review. No previously recorded paleontological resources were identified within the project area. There is, however, the possibility of paleontological resources in the Pleistocene alluvium and the Pleistocene Merritt Sands within the project area. A qualified paleontologist should monitor initial project ground disturbing activities at or below six feet from the original ground surface. Please refer to the Study Results and Recommendations sections for details.

B. LEGISLATIVE CONTEXT

1. California Environmental Quality Act (CEQA)

CEQA applies to all discretionary projects undertaken or subject to approval by the state's public agencies (California Code of Regulations [CCR] Title 14(3) §15002(i)). CEQA states that it is the policy of the State of California to "take all action necessary to provide the people of this state with… historic environmental qualities…and preserve for future generations examples of the major periods of California history" (Public Resources Code [PRC] §21001(b), (c)). Under the provisions of CEQA, "A project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment" (CCR Title 14(3) §15064.5(b)).



LSA

FIGURE 1

N

0 500 1000
FEET

LEGEND

PROJECT AREA

19th Street Residential Condominiums
Project Vicinity Map

SOURCE: GOOGLE, LSA ASSOCIATES, INC., 2006.

I:\SDZ0601 19th street\figures\Fig_1.ai (04/21/06)

In the City of Oakland, an "historical resource" under CEQA is a resource which meets any of the following criteria:

- A resource listed in, or determined eligible for listing in, the California Register of Historical Resources;
- A resource included in Oakland's Local Register of historical resources, unless the preponderance of evidence demonstrates that it is not historically or culturally significant;
- A resource identified as significant (e.g., rated 1-5) in a historical resource survey recorded on Department of Parks and Recreation Form 523, unless the preponderance of evidence demonstrates that it is not historically or culturally significant;
- Meets the criteria for listing on the California Register of Historical Resources; or
- A resource that is determined by the Oakland City Council to be historically or culturally significant even though it does not meet the other four criteria listed here.

A historical resource consists of "Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California . . . Generally, a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing in the California Register of Historical Resources" (CCR Title 14(3) §15064.5(a)(3)).

CEQA requires that historical resources and unique archaeological resources be taken into consideration during the CEQA planning process (CCR Title 14(3) §15064.5; PRC §21083.2). If feasible, adverse effects to the significance of historical resources must be avoided or the effects mitigated (CCR Title 14(3) §15064.5(b)(4)). The significance of an historical resource is materially impaired when a project demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for the California Register of Historical Resources. If there is a substantial adverse change in the significance of a historical resource, the preparation of an environmental impact report may be required (CCR Title 14(3) §15065(a)).

If the cultural resource in question is an archaeological site, CEQA (CCR Title 14(3) §15064.5(c)(1)) requires that the lead agency first determine if the site is a historic resource as defined in CCR Title 14(3) §15064.5(a). If the site qualifies as a historical resource, potential adverse impacts must be considered in the same manner as a historical resource (California Office of Historic Preservation 2001a:5). If the archaeological site does not qualify as a historical resource but does qualify as a unique archaeological site, then the archaeological site is treated in accordance with PRC §21083.2 (CCR Title 14(3) §15069.5(c)(3)). In practice, most archaeological sites that meet the definition of a unique archaeological resource will also meet the definition of a historical resource (Bass, Herson, and Bogdan 1999:105).

CEQA defines a "unique archaeological resource" as an archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets one or more of the following criteria:

- Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information; or

- Has a special and particular quality such as being the oldest of its type or the best available example of its type; or
- Is directly associated with a scientifically recognized important prehistoric or historic event or person (PRC §21083.2(g)).

If an impact to a historical or archaeological resource is significant, CEQA requires feasible measures to minimize the impact (CCR 14(3) §15126.4 (a)(1)). Mitigation of significant impacts must lessen or eliminate the physical impact that the project will have on the resource. Generally, the use of drawings, photographs, and/or displays does not mitigate the physical impact on the environment caused by demolition or destruction of a historical resource. However, CEQA requires that all feasible mitigation be undertaken even if it does not mitigate impacts to a less than significant level (California Office of Historic Preservation 2001b:6; see also CCR Title 14(3) §15126.5 (a)(1)).

2. California Register of Historical Resources

The California Register of Historical Resources (California Register) is a guide to cultural resources that must be considered when a government agency undertakes a discretionary action subject to CEQA. The California Register helps government agencies identify, evaluate, and protect California's historical resources (California Office of Historic Preservation 2001b:1), and indicates which properties are to be protected from substantial adverse change (PRC §5024.1(a)). Any resource listed in, or eligible for listing in, the California Register is to be considered during the CEQA process (California Office of Historic Preservation 2001b:4).

A cultural resource is evaluated under four California Register criteria to determine its historical significance. A resource must be significant at the local, state, or national level in accordance with one or more of the following criteria:

1) Is associated with events that have made a significant contribution to the broad pattern of California's history and cultural heritage;
2) Is associated with the lives of persons important in our past;
3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4) Has yielded, or may be likely to yield, information important in prehistory or history.

In addition to meeting one or more of the above criteria, the California Register requires that sufficient time must have passed to allow a "scholarly perspective on the events or individuals associated with the resource." Fifty years is used as a general estimate of the time needed to understand the historical importance of a resource (California Office of Historic Preservation 1999:3; CCR Title 14(11.5) §4852 (d)(2)). The State of California Office of Historic Preservation recommends documenting, and taking into consideration in the planning process, any cultural resource that is 45 years or older (California Office of Historic Preservation 1995:2).

The California Register also requires a resource to possess integrity, which is defined as "the authenticity of a historical resource's physical identity evidenced by the survival of characteristics that existed during the resource's period of significance. Integrity is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association" (California Office of Historic Preservation 1999:2).

Resources that are significant, meet the age guidelines, and possess integrity will generally be considered eligible for listing in the California Register.

3. City of Oakland Historic Preservation Element: Archaeological Resources

In 1994, the City of Oakland adopted the Historic Preservation Element (HPE) of its General Plan. Objective 4 of this Element addresses prehistoric and historic archaeological resources and outlines a policy for discretionary projects involving ground disturbance in archaeologically sensitive areas to protect significant archaeological resources. The policy's aim is "to protect known and undiscovered archaeological resources by requiring archaeological protection procedures for discretionary ground disturbance activities located in archaeologically sensitive areas." Procedures to this end include:

- mapping areas of archaeological potential;
- conducting archival studies for discretionary projects in areas of high archaeological sensitivity;
- determining whether ground disturbing activities could damage archaeological resources;
- conducting a surface archaeological reconnaissance; and
- recommending subsequent actions, e.g., monitoring ground disturbance for archaeological resources or archaeological excavation.

4. Public Resources Code §5097.5

California Public Resources Code §5097.5 prohibits excavation or removal of any "vertebrate paleontological site…or any other archaeological, paleontological or historical feature, situated on public lands, except with express permission of the public agency having jurisdiction over such lands." Public lands are defined to include lands owned by or under the jurisdiction of the state or any city, county, district, authority or public corporation, or any agency thereof. Section 5097.5 states that any unauthorized disturbance or removal of archaeological, historical, or paleontological materials or sites located on public lands is a misdemeanor.

5. Human Remains

Section 7050.5 of the California Health and Safety Code states that in the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the remains are discovered has determined whether or not the remains are subject to the coroner's authority. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission within 24 hours of this identification. The Native American Heritage Commission will identify a Native American Most Likely Descendant to inspect the site and provide recommendations for the proper treatment of the remains and associated grave goods.

6. Paleontological Resources

Paleontological resources are fossilized remains of plants and animals, and associated deposits. CEQA requires that a determination be made as to whether a project would directly or indirectly destroy a unique paleontological resource or site or unique geological feature (CEQA Appendix G(v)(c)). If an impact is significant, CEQA requires feasible measures to minimize the impact (CCR Title 14(3) §15126.4 (a)(1)). California Public Resources Code §5097.5 also applies to paleontological resources (see above).

The Society of Vertebrate Paleontology has identified vertebrate fossils, their taphonomic and associated environmental indicators, and fossiliferous deposits as significant nonrenewable paleontological resources. Botanical and invertebrate fossils and assemblages may also be considered significant resources (Conformable Impact Mitigation Guidelines Committee 1995).

C. PROJECT AREA

The project area consists of approximately 0.75 acres at 222 19th Street in downtown Oakland, Alameda County, California (Figure 1). The proposed project area is the former Schilling Gardens, developed in the 1890s by August Schilling of the Schilling Spice Company.

The project area consists of level urban terrain situated just west of Lake Merritt, at approximately 20 feet above mean sea level, as shown on the *Oakland West, CA.* 7.5-minute topographic quadrangle (USGS 1993). Project area soils consist of urban land-Danville complex. Urban land consists of altered or mixed fill soils that are usually covered by urban structures, including roads, buildings, and parking lots. Danville soils are a silty clay loam that are very deep, 6.5 or more feet deep, and formed in alluvium derived from sedimentary rock (Welch 1975:25). Geologically, the dune sands (Merritt Sand) that underlie the project area's soils were derived by wind erosion and deposits of stream sediments, and extend to a maximum depth of 50 feet (Wagner, Bortugno, and McJunkin 1990). These Late Pleistocene sand deposits, which are up to 40,000 years old (40ka), were deposited with and are underlain by Late Pleistocene sediments (between 10ka and 70ka) that are at least 150 feet thick (Helley et al. 1979). The project area is near the historical margins of an extensive estuary (dammed to create Lake Merritt) (Helley et al. 1979; Nichols and Wright 1971) which supported a native coastal saltmarsh flora of perennial graminoids and succulent forbs (Küchler 1977:24).

The project area currently contains landscaped gardens and a green house and a potting shed at the southwest corner of the property.

D. BACKGROUND RESEARCH

1. Archaeological Resources

A records search and literature review were done to (1) identify recorded cultural resources within, and cultural resources studies of, the project area, (2) assess the likelihood of unrecorded cultural resources based on archaeological , ethnographic, and historical information, and the distribution of nearby cultural resources, and (3) obtain information for the cultural settings portion of the report.

Records Search. A records search (#05-1190) of the project area and a ¼ mile radius was conducted on June 7, 2006, at the Northwest Information Center (NWIC) of the California Historical Resources Information System, Sonoma State University, Rohnert Park, California. The NWIC, an affiliate of the State of California Office of Historic Preservation, is the official state repository of cultural and archaeological resource records and reports for Alameda County.

No archaeological resource surveys have been previously conducted within or adjacent to the project area and no archaeological sites have been recorded within or adjacent to the project area.

LSA reviewed the following cultural resource inventories:

- *California Inventory of Historic Resources* (California Department of Parks and Recreation 1976);
- *Five Views: An Ethnic Historic Site Survey for California* (California Office of Historic Preservation 1988);
- *California Historical Landmarks* (California Office of Historic Preservation 1996);
- *California Points of Historical Interest* (California Office of Historic Preservation 1992); and
- *Directory of Properties in the Historic Property Data File* (California Office of Historic Preservation, April 6, 2006). The directory includes the listings of the National Register of Historic Places, National Historic Landmarks, the California Register of Historical Resources, California Historical Landmarks, and California Points of Historical Interest.

No archaeological resources listed in these inventories are within or immediately adjacent to the project area.

Literature Review. LSA reviewed publications and maps for archaeological, historical, ethnographic, and environmental information about the project area and its vicinity. The maps reviewed noted that the project area once contained a dwelling and an "artificial cave" (Sanborn Map Company 1889, 1911, 1950). The References Consulted section lists the literature reviewed.

2. Paleontological Resources

Background research consisted of a fossil locality search and a literature review. This research was done to identify geologic units, paleontological studies, fossil localities (i.e., a location at which paleontological resources have been documented), and the types of fossils that may be within or adjacent to the project area.

Fossil Locality Search. A fossil locality search was conducted online on June 6th, 2006, using the Berkeley Natural History Museums (BNHM) online database, specifically the data from the University of California Museum of Paleontology (UCMP), Berkeley.

The locality search identified 14 fossil localities within five miles of the project area. No fossils were identified within or adjacent to the project area. The fossil localities produced 60 significant vertebrate fossils from Pleistocene alluvium and the Merritt Sands Formation which are the same geological formations that underlie the project area.

Literature Review. LSA reviewed paleontological and geological literature relevant to the project area and its vicinity. This review identified the Pleistocene alluvium and the Pleistocene Merritt Sands within and adjacent to the project area, which are known to contain paleontological resources. See References Consulted for the literature reviewed.

E. CONSULTATION

On July 13, 2006, LSA faxed a letter with maps depicting the project area to the Native American Heritage Commission (NAHC) in Sacramento requesting a review of their sacred lands file for any Native American cultural resources that might be affected by the proposed project. Ms. Debbie Pilas-

Treadway, NAHC Environmental Specialist III, responded in a faxed letter dated July 17, 2006, that the sacred lands file showed no known Native American sites "in the immediate project area".

On July 13, 2006, LSA sent a letter and maps depicting the project area to the Alameda County Historical Society, asking if they had any information or concerns about the project area. Ed Clausen, historical society president, responded on July 14, 2006. He stated that he and the historical society were aware of the project plans and would like the gates with the initials A.S. (for August Schilling) to be maintained as part of the new building plan or be offered to an appropriate agency or museum. The Historical Society does not have a facility that could accept the gates. The Society also requested that the gardens be maintained to whatever extent possible.

F. FIELD SURVEY

1. Archaeological Resources

On July 14, 2006, LSA archaeologist Randy Groza conducted a pedestrian field survey of the project area. The survey covered the entire project area of approximately 0.75 acres of landscaped gardens. Approximately 25 percent of the project area is a landscaped lawn with limited ground visibility. A small concrete pad leads from the entry gate on 19th Street into the gardens. A greenhouse is east of the entry and a potting shed is to the west. The remainder of the project area consists of redwood trees, non-native plants, and an extensive arbor area covered with ivy. An irrigation system runs through the garden and, due to leaking pipes, approximately 10 percent of the ground was exposed more than one foot deep. The exposed areas and the back dirt were carefully examined for the presence of archaeological materials. Small patches of ground were also exposed by trowel to identify archaeological materials that may be present. The survey was documented in field notes, maps, and photographs.

2. Paleontological Resources

The urbanization of the project area precluded an effective field survey. Therefore, a paleontological field survey was not conducted.

G. CULTURAL OVERVIEW

California was probably settled by native Californians between 12,000 and 6,000 years ago (Moratto 1984:76). Penutian peoples migrated into central California around 4,500 year ago and were firmly settled around San Francisco Bay by 1,500 years ago. The descendants of the native groups who lived between the Carquinez Strait and the Monterey area prefer to be called Ohlone although they are often referred to by the name of their linguistic group, Costanoan (Margolin 1978). Oakland is located within the territory of the Huchiun who spoke Chochenyo, one of eight Costanoan languages. Huchiun territory extended from Wildcat and San Pablo Creeks in the city of Richmond south to Mission San Jose (Levy 1978:485-486; Milliken 1995:243).

Intensive Hispanic exploration of the Bay Area began in the late eighteenth century. Ohlone culture was radically transformed when European settlers moved into northern California. These settlers established the mission system and exposed the Ohlone to diseases to which they had no immunity. Mission San Francisco de Asís (Mission Dolores) was founded in 1776. Situated directly across the Bay from what is today the city of Oakland, the Mission drew native people from the entire Bay area. Mission records indicate that the Huchiun moved to Mission Dolores from 1787 until 1805 (Milliken

1995:243). Following the dissolving of the mission system in 1834, native people in the Bay Area moved to ranchos, where they worked as manual laborers (Levy 1978).

By 1852 Oakland was incorporated and was officially recognized by the state in 1854. Horace W. Carpentier, an attorney, received rights to the entire waterfront in his role as a town trustee. The soon-to-be first mayor of Oakland transferred his property rights to his family who sold them to the Central Pacific Railroad. Oakland was unable to "assert jurisdiction" over the waterfront until 1911 (Hoover et al. 1990:18-19).

In 1869, the 160-acre Lake Merritt, located west and adjacent to the project area, was recognized by the state as a waterfowl sanctuary. The Lake, named after Samuel B. Merritt, was created after San Antonio Slough was dammed. By 1889, a two-story house was built within the project area (Sanborn Map Company 1889) and replaced shortly thereafter by August Schilling (of Schilling spices fame) with an arbor, decorative gardens (Sanborn Map Company 1903), and an artificial cave (Sanborn Map Company 1911). The project area currently consists of a garden area which has been greatly altered over the years.

H. PALEONTOLOGICAL OVERVIEW

The project area lies on coastal plains near the eastern shore of San Francisco Bay. The sediments that underlie the project area are Quaternary (recent-2 ma) alluvial deposits (Helley et al. 1979; Wagner et al. 1990). The Hayward Fault runs northwest to southeast a few miles east of the project area. East of this fault, Mesozoic rocks of the Franciscan Complex rise up to form the Oakland Hills. Quaternary alluvium eroded from these hills formed the coastal plains along eastern San Francisco Bay. From the base of the Oakland Hills, sediments are progressively younger towards the bay, and much of the earth above sea level along the bay margin consists of recent artificial fill (Wagner et al., 1990). Deposits within the project area consist of the following geological units, described in stratigraphic sequence from youngest to oldest:

Artificial Fill. The project area lies on Artificial Fill, which in turn overlie the Pleistocene alluvium and Merritt Sands in the East Bay. Large amounts of artificial fill have been brought to the East Bay margins to expand the amount of developable land above sea level. This fill, which is mostly unconsolidated earth, is highly unlikely to contain significant fossil resources. The thickness of this fill is undetermined at the project area but consists most likely of a thin layer easily penetrated by project ground disturbing construction.

Younger Quaternary Alluvium. This unit has not been mapped within the project area but often overlies the Older Quaternary alluvium and Merritt sands in the East Bay. Helley and Graymer (1997) described the alluvium of this age closest to the project area as silty clay to clay basin deposits. Older portions of this alluvium may also be bedded medium-to-fine-grained sand. Though generally not considered paleontologically significant, these alluvial deposits contain vertebrate and invertebrate fossils of extant, modern taxa (Helley et al., 1979). These deposits are generally between 0 and 10 feet thick and it is possible that older Pleistocene alluvium and Merritt sands, both of which contain significant fossil resources, may lie directly under local soils, artificial fill, or at the ground surface.

Merritt Sands. These Late Pleistocene aged (10 – 40 ka) eolian, or wind deposited, sands underlie most of downtown Oakland and underlie portions of the project area. The deposits are generally

loose, well-sorted sands that measure roughly 50 feet thick and display dune morphology (Helley et al., 1972; Helley et al., 1979; Helley and Graymer, 1997). Pleistocene sediments in this region contain the same significant paleontological resources contained in Older Quaternary Alluvium (discussed below).

Older Quaternary Alluvium. Underlying the Merritt Sands and younger Quaternary alluvium in the project area are Late Pleistocene (between 10ka and 70ka) alluvial sedimentary deposits (Helley et al. 1979; Wagner et al. 1990). Locally, these sediments contain invertebrate and extinct vertebrate fossils, many of which are representative of the Rancholabrean land mammal age (Bell et al. 2004). Fossils found in alluvium of this age include, but are not limited to bison, mammoth, ground sloths, saber-toothed cats, dire wolves, cave bears, rodents, birds, reptiles and amphibians (Bell et al. 2004; Helley et al., 1979; Helley et al. 1972; Hertlein 1951; Savage 1951; Stirton 1951).

I. STUDY RESULTS

1. Archaeological Resources

No archaeological resources were identified in the project area. LSA's research, however, indicates that the project area is sensitive for prehistoric and historic archaeological resources, as indicated by the distribution of prehistoric sites near estuarine environments, which would have provided abundant marine and terrestrial animal and plant resources for Oakland's native inhabitants. Prehistoric archaeological resources are recorded near the periphery of Lake Merritt (e.g., CA-ALA-5 and CA-ALA-22) and the general area is considered to be one of "extreme" archaeological sensitivity (Quaternary Research Group 1976). Historical features, consisting of a two-story dwelling and "artificial cave", are depicted on Sanborn (1889, 1911, 1950) maps. The two-story dwelling was razed in the 1890s for August Schilling's garden, and an artificial cave was in the project area from at least 1911 until the early 1950s. While neither of these features is currently present in the project area, associated subsurface archaeological deposits may be present. Such deposits may include building foundations; hollow filled features, e.g., privies and artificial caves; and trash deposits.

2. Paleontological Resources

There is a high possibility that ground disturbing construction in the geological units that underlie the project area would affect paleontological resources.

J. RECOMMENDATIONS

This study identified a high sensitivity for archaeological and paleontological resources. Recommendations for the treatment of archaeological and paleontological resources and human remains discovered during project activities are presented below.

Project personnel should not collect or move any archaeological or paleontological materials, or human remains and associated materials. Fill soils used for construction purposes should not contain archaeological or paleontological materials.

Alameda County Historical Society president, Ed Clausen, stated that he would like the existing gates initialed A.S. (for August Schilling) to be maintained as part of the development or offered to an appropriate agency or museum for curation. Mr. Clausen also requested that the gardens be maintained to whatever extent possible.

1. Archaeological Resources

Background research indicates that the project area is highly sensitive for prehistoric and historical archaeological deposits that may meet California Register eligibility requirements. Project ground disturbing construction may damage such resources, resulting in a significant impact to cultural resources.

Archaeological Resources Monitoring. To avoid adverse effects to possible archaeological resources, LSA recommends that a qualified archaeologist monitor or direct project ground-disturbing activities. Prior to ground disturbance, pre-field preparation by the archaeologist should take into account specific details of project construction plans, and information from available archaeological, historical, and geotechnical studies. The historical studies should include, but not be limited to, a review of Sanborn Insurance Maps, historical photographs, and other appropriate historical materials to identify archaeologically sensitive areas for monitoring. Archaeological monitors must be empowered to halt construction activities at the location of the discovery to review possible archaeological materials and to protect the resource while the finds are being evaluated. Monitoring should continue until, in the archaeologist's judgment, cultural resources are not likely to be encountered.

If deposits of prehistoric or historical archaeological materials are encountered during project activities, all work within 25 feet of the discovery should be redirected until the archaeological monitor can assess the situation and provide recommendations. It is recommended that adverse effects to such deposits be avoided by project activities. If such deposits cannot be avoided, they should be evaluated for their California Register of Historical Resources eligibility. If the deposits are not eligible, avoidance is not necessary. If the deposits are eligible, they will need to be avoided by adverse effects or such effects must be mitigated. Mitigation can include, but is not necessarily limited to, excavation of the deposit in accordance with a data recovery plan (see *CEQA Guidelines* Section 15126.4(b)(3)(C)) and standard archaeological field methods and procedures; laboratory and technical analyses of recovered archaeological materials; preparation of a report detailing the methods, findings, and significance of the archaeological site and associated materials; and accessioning of archaeological materials and a technical report at a curation facility. Educational public outreach may also be appropriate.

Upon completion of the assessment, the archaeologist should prepare a report documenting the methods and results, and provide recommendations for the treatment of the archaeological materials discovered. The report should be submitted to the project proponent, the City of Oakland, and the Northwest Information Center.

Accidental Discovery of Archaeological Materials. If deposits of prehistoric or historical archaeological materials are encountered during grading, demolition, and/or construction, and an archaeological monitor is not present, the City of Oakland's Standard Condition of Approval 47c should apply:

> Should an archaeological artifact or feature be discovered on-site during project construction, all activities within a 50-foot radius of the find would be halted until the findings can be fully investigated by a qualified archaeologist to evaluate the find and assess the significance of the find according to the CEQA definition of a historical or unique archaeological resource. If the deposit is determined to be significant, the project applicant and the qualified archaeologist shall meet to determine the appropriate

> avoidance measures or other appropriate measure, subject to approval by the City of Oakland, which shall assure implementation of appropriate measure measures recommended by the archaeologist. Should archaeologically-significant materials be recovered, the qualified archaeologist shall recommend appropriate analysis and treatment, and shall prepare a report on the findings for submittal to the Northwest Information Center.

Prehistoric materials can include flaked-stone tools (e.g. projectile points, knives, choppers) or obsidian, chert, basalt, or quartzite toolmaking debris; bone tools; culturally darkened soil (i.e., midden soil often containing heat-affected rock, ash and charcoal, shellfish remains, faunal bones, and cultural materials); and stone milling equipment (e.g., mortars, pestles, handstones). Prehistoric archaeological sites often contain human remains. Historical materials can include wood, stone, concrete, or adobe footings, walls and other structural remains; debris-filled wells or privies; and deposits of wood, glass, ceramics, metal, and other refuse.

2. Encountering Human Remains

If human remains are encountered during grading, demolition, and/or construction, the City of Oakland's Standard Condition of Approval 48 should apply:

> In the event that human skeletal remains are uncovered at the project site during construction or ground-breaking activities, all work shall immediately halt and the Alameda County Coroner shall be contacted to evaluate the remains, and following the procedures and protocols pursuant to Section 15064.5 (e)(1) of the CEQA Guidelines. If the County Coroner determines that the remains are Native American, the City shall contact the California Native American Heritage Commission (NAHC), pursuant to subdivision (c) of Section 7050.5 of the Health and Safety Code, and all excavation and site preparation activities shall cease within a 50-foot radius of the find until appropriate arrangements are made. If the agencies determine that avoidance is not feasible, then an alternative plan shall be prepared with specific steps and timeframe required to resume construction activities. Monitoring, data recovery, determination of significance and avoidance measures (if applicable) shall be completed expeditiously.

3. Paleontological Resources

The Merritt Sands and the Older Quaternary Alluvium that underlie the project area are highly sensitive for paleontological resources and there is a high possibility that significant paleontological resources can be discovered during project ground-disturbing activities below the approximately six-foot deep project area soil and fill layer (Welch 1975). If paleontological resources are encountered in the soil layer, they should be handled according to the accidental discovery section below.

Paleontological Resources Monitoring. To avoid adverse effects to paleontological resources, we recommended that a qualified paleontologist monitor initial project ground-disturbing activities. Prior to ground disturbance, pre-field preparation by the paleontologist should take into account specific details of project construction plans, and information from available paleontological, geological, and geotechnical studies. Limited subsurface investigations may be appropriate for defining areas of paleontological sensitivity prior to ground disturbance. The paleontologist should monitor initial project ground disturbing activities at or below six feet from the original ground surface. The

paleontologist can then determine whether further monitoring, periodic site reviews, or no further monitoring is appropriate.

Paleontological monitors must be empowered to halt construction activities at the location of a discovery to review the possible paleontological material and to protect the resource while it is being evaluated. Monitoring should continue until, in the paleontologist's judgment, paleontological resources are not likely to be discovered.

If paleontological resources are discovered during project activities, all work within 25 feet of the discovery should be redirected until the paleontological monitor has assessed the situation and made recommendations regarding their treatment. It is recommended that adverse effects to paleontological resources be avoided by project activities. If avoidance is not feasible, the paleontological resources should be evaluated for their significance. If the resources are not significant, avoidance is not necessary. If the resources are significant, they must be avoided by adverse effects, or such effects must be mitigated. Mitigation may include monitoring, recording the fossil locality, data recovery and analysis, a technical data recovery report, and accessioning the fossil material and technical report to a paleontological repository. Educational public outreaching may also be appropriate.

Upon project completion, a report should be prepared documenting the methods and results of the monitoring. The report should be submitted to the project proponent and City of Oakland.

Accidental Discovery of Paleontological Resources. If paleontological deposits are encountered during grading, demolition, and/or construction, and a paleontological monitor is not present, the City of Oakland's Standard Condition of Approval 49 should apply:

> In the event of an unanticipated discovery of a paleontological resource during construction, excavations within 50 feet of the find shall be temporarily halted or diverted until the discovery is examined by a qualified paleontologist (per Society of Vertebrate Paleontology standards (SVP 1995,1996)). The qualified paleontologist shall document the discovery as needed, evaluate the potential resource, and assess the significance of the find under the criteria set forth in Section 15064.5 of the CEQA Guidelines. The paleontologist shall notify the appropriate agencies to determine procedures that would be followed before construction is allowed to resume at the location of the find. If the City determines that avoidance is not feasible, the paleontologist shall prepare an excavation plan for mitigating the effect of the project on the qualities that make the resource important, and such plan shall be implemented. The plan shall be submitted to the City for review and approval.

K. REFERENCES CONSULTED

Bass, Ronald E., Albert I. Herson, and Kenneth M. Bogdan
1999 *CEQA Deskbook: A Step-by-Step Guide on How to Comply with the California Environmental Quality Act*. Solano Press Books, Point Arena, California.

Bell, C.J., E.L. Lundelius, Jr., A.D. Barnosky, R.W. Graham, E.H. Lindsay, D.R. Ruez, Jr., H.S. Semken, Jr., S.D. Webb, and R.J. Zakrzewski
2004 The Blancan, Irvingtonian, and Rancholabrean Mammal Ages. In *Late Cretaceous and Cenozoic Mammals of North America*, Edited by M.O. Woodburne, pp. 232-314. Columbia University Press, New York.

Bowman, J. N.
1951 Adobe Houses in the San Francisco Bay Region. In *Geologic Guidebook of the San Francisco Bay Counties; History Landscape, Geology, Fossils, Minerals, Industry, and Routes to Travel*, prepared by Olaf P. Jenkins, pp. 54-67. Bulletin 154. State of California Division of Mines, San Francisco.

California Department of Parks and Recreation
1976 *California Inventory of Historic Resources*. California Department of Parks and Recreation, Sacramento.

California Office of Historic Preservation
1988 *Five Views: An Ethnic Sites Survey for California.* California Department of Parks and Recreation, Sacramento.
1992 *Points of Historical Interest.* California Department of Parks and Recreation, Sacramento.
1996 *California Historical Landmarks.* California Department of Parks and Recreation, Sacramento.
1999 *California Register and National Register: A Comparison.* Technical Assistance Series 6. California Department of Parks and Recreation, Sacramento.
2001a *California Environmental Quality Act (CEQA) and Historical Resources*. Technical Assistance Series 1. California Department of Parks and Recreation, Sacramento.
2001b *California Register of Historical Resources: Q&A for Local Governments*. Technical Assistance Series 4. California Department of Parks and Recreation, Sacramento.
2005 *Directory of Properties in the Historic Property Data File*, April 6, 2006. Department of Parks and Recreation, Sacramento.

Chaney, Ralph W.
1951 Prehistoric Forests of the San Francisco Bay Region. In *Geology Guidebook of the San Francisco Bay Counties: History, Landscape, Geology, Fossils, Minerals, Industry, and Routes to Travel*, prepared by Olaf P. Jenkins, pp. 193-202. Bulletin 154. California Division of Mines, San Francisco.

Conformable Impact Mitigation Guidelines Committee
1995 Assessment and Mitigation of Adverse Impacts to Nonrenewable Paleontologic Resources: Standard Guidelines. *Society of Vertebrate Paleontology News Bulletin* 163:22-27.

Gudde, Erwin G.
1998 *California Place Names: The Origin and Etymology of Current Geographical Names*. Fourth edition, revised and enlarged by William Bright. University of California Press, Berkeley.

Helley, E.J. and R.W. Graymer.
1997 *Quaternary Geology of Contra Costa County, and surrounding parts of Alameda, Marin, Sonoma, Solano, Sacramento, and San Joaquin Counties, California: A digital database*. United States Geological Survey Open-File Report 97-97. Menlo Park, California.

Helley, E., K. LaJoie, and D. Burke
1972 *Geologic Map of the Late Cenozoic Deposits of Alameda County, California.* Miscellaneous Field Studies Map MF-429. United States Geological Survey, Washington, D.C.

Helley, E.J, K.R. La Joie, W.E. Spangle, and M.L. Blair
1979 *Flatland Deposits of the San Francisco Bay Region - their geology and engineering properties, and their importance to comprehensive planning.* Geological Survey Professional Paper 943. U.S. Geological Survey and Department of Housing and Urban Development, Washington, D.C.

Hertlein, L.G.
1951 Invertebrate Fossils and Fossil Localities in the San Francisco Bay Area. In *Geology Guidebook of the San Francisco Bay Counties: History, Landscape, Geology, Fossils, Minerals, Industry, and Routes to Travel*, prepared by Olaf P. Jenkins, pp. 187-192. Bulletin 154. California Division of Mines, San Francisco.

Hoover, Mildred Brooke, Hero Eugene Rensch, Ethel Rensch, and William N. Abeloe
1990 *Historic Spots in California*. Fourth edition, revised by Douglas E. Kyle. Stanford University Press, Stanford, California.

Kroeber, Alfred L.
1925 *Handbook of the Indians of California.* Bureau of American Ethnology Bulletin 78. Smithsonian Institution, Washington, D.C. Reprinted 1976 by Dover Publications, New York.

Küchler, A. W.
1977 *The Map of the Natural Vegetation of California*. University of Kansas, Lawrence.

Levy, Richard
1978 Costanoan. In *California*, edited by Robert F. Heizer, pp. 485-495. Handbook of North American Indians, Volume 8; William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C.

Milliken, Randall
1995 *A Time of Little Choice, The Disintegration of Tribal Culture in the San Francisco Bay Area 1769-1810*. Ballena Press Anthropological Papers No. 43. Menlo Park, California.

Moratto, Michael J.
1984 *California Archaeology*. Academic Press, Orlando, Florida.

Nelson, N. C.
1909 Shellmounds of the San Francisco Bay Region. *University of California Publications in American Archaeology and Ethnology* 7(4). Berkeley.

Nichols, Donald R. and Nancy A. Wright
1971 *Preliminary Map of Historic Margins of Marshland, San Francisco, California.* U.S. Geological Survey Open File Map. U.S. Geological Survey in Cooperation with the U.S. Department of Housing an Urban Development, Washington, D.C.

Quaternary Research Group
1976 *Archaeological Sensitivity in Alameda County*. Berkeley, California.

Sanborn Map Company
1889 *Oakland*. New York.
1903 *Oakland*. New York.
1911 *Oakland*. New York.
1950 *Oakland*. New York.

Savage, Donald
1951 Late Cenozoic Vertebrates of the San Francisco Bay Region. *University of California Publications Bulletin of the Department of Geological Sciences* 28(10):215-314. Berkeley.

Sowers, Janet M.
1993 *Creek and Watershed Map of Oakland and Berkeley*. Revised 1995, 2000. Oakland Museum of California, Oakland, California.

Stirton, R. A.
1951 *Prehistoric Land Animals of the San Francisco Bay Region.* In *Geology Guidebook of the San Francisco Bay Counties: History, Landscape, Geology, Fossils, Minerals, Industry, and Routes to Travel*, prepared by Olaf P. Jenkins, pp. 177-186. Bulletin 154. State of California Division of Mines, San Francisco.

United States Geological Survey
1899 *San Francisco, California* 15 minute-topographic quadrangle. United States Geological Survey, Washington, D.C.
1915 *San Francisco, California* 15 minute-topographic quadrangle. United States Geological Survey, Washington, D.C.
1942 *San Francisco, Calif.* 15-minute topographic quadrangle. United States War Department, Washington, D.C.
1959 *Oakland West, Calif.* 7.5-minute topographic quadrangle. Photo revised 1980. United States Geological Survey, Washington, D.C.
1993 *Oakland West, CA.* 7.5-minute topographic quadrangle. United States Geological Survey, Washington, D.C.

Wagner, D. L., E. J. Bortugno, and R. D. McJunkin
1990 *Geologic Map of the San Francisco-San Jose Quadrangle, California*, 1:250,000. Map No. 5A. Regional Geologic Map Series. California Division of Mines and Geology, Sacramento.

Welch, Lawrence E.
1975 *Soil Survey of Alameda County, California, Western Part*. United States Department of Agriculture, Soil Conservation Service, Santa Rosa, California.

APPENDIX H

ARBORISTS MEMORANDUM

LSA ASSOCIATES, INC.
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510.540.7344 FAX

CARLSBAD
FORT COLLINS
FRESNO
IRVINE
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROCKLIN
SAN LUIS OBISPO
SEATTLE
S. SAN FRANCISCO

November 6, 2009

Heather Klein, Planner III
City of Oakland
250 Frank H. Ogawa Plaza, Suite 3315
Oakland, CA 94612

Subject: Arborist Survey Report - Updated
Emerald Views Residential Development Project, Oakland, California

Ms. Klein:

This letter provides the results of the tree survey LSA conducted at the approximately 31,827 square-foot property located at 222 19th Street, Oakland, California (APN 008-634-003). The purpose of the tree survey is to identify and determine the condition of trees protected by ordinance[1] occurring within the boundary of the above mentioned property.

The project site is currently developed with a private, English garden associated with the historic August Shilling Estate. The proposed project is a 42-story residential tower that would provide 370 units and five levels of below-grade parking. The below-grade parking structure would be set back 5 inches from the south, east and west property lines, and 18.75 feet from the north property line. The footprint for the below-grade parking is shown in the attached Tree Survey. Excavation for the five levels of below-ground parking and building foundations would extend approximately 60 feet below the existing ground surface. The proposed project would require the removal of all vegetation on site; however, the project applicant may transplant/incorporate some of the existing vegetation into the project landscape.

Methods

LSA certified arborist, Timothy Milliken (WE5539A), visited the project site on April 24, 2008. A total of 32 protected trees were surveyed. The survey included all coast live oak trees measuring four inches in diameter and greater, as well as all other trees measuring nine inches in diameter or larger. The survey consisted of the following steps:

1. Identifying each live tree to species;
2. Positioning each tree on the project map (Tree Map);
3. Measuring the trunk diameter of each tree at a point 4.5 feet above the natural grade (DBH);
4. If an individual tree had multiple trunks, the diameters of all trunks were totaled;
5. Determine the protected status of each tree as defined by municipal code; the health and structural condition of each tree was evaluated as being either:

   Good – Trees with good health and structure that have potential for longevity on site.

[1] Trees protected by ordinance - OMC Title 12, Chapter 12.36 defines a protected tree as any coast live oak larger than 4 inches in diameter at DBH, or any tree that is larger than 9 inches DBH, except eucalyptus trees or Monterey pines.

Fair – Trees with somewhat declining health and/or structural defects that can be abated with treatment. The tree will require more intense management and monitoring, and may have a shorter life span than those in the 'good' category if located in or adjacent to developed areas.

Poor – Trees in poor health or with significant structural defects that cannot be mitigated. Trees in this category are expected to continue to decline, regardless of treatment. The species or individual tree may have characteristics that are undesirable for landscapes, and generally are unsuited for use in developed areas.

This information has been recorded in the attached table, Results of Protected Tree Survey.

Results

In the process of conducting this survey a total of 32 protected trees were identified; the types of trees within the survey area are summarized below. Within the footprint of the proposed development there are 30 protected trees. Outside of the footprint and within 10 feet of the planned construction area there are two protected trees (these trees are identified on the Tree Map and Results of Protected Tree Survey table as "A" and "B"). The proposed development would avoid impacts to three trees as seen when comparing the location of trees on and adjacent to the site with the limit of impact shown by proposed below grade basement[1] and the proposed landscaping plan[2]. A total of 25 protected trees would be directly impacted (permanently removed) by the proposed development.

Summary Table: Protected Trees in the Survey Area

Species	Common Name	Trees within Survey Area	Trees in Good Condition	Trees in Fair Condition	Trees in Poor Condition	Remove or Retain
Trees Observed Within Development Footprint						
Azara sp.	Azara	2	2	0	0	Remove
Cornus sp.	Dogwood	1	0	1	0	Remove
Ilex sp.	Holly tree	4	1	0	0	Remove
Liquidambar styraciflua	Sweet gum	5	5	0	0	Remove 1 Retain 4 (transplant)
Magnolia sp.	Magnolia	4	2	0	2	Remove
Olea europea	Olive	1	1	0	0	Retain (transplant)
Prunus cerrasus	Cherry	4	4	0	0	Remove
Quercus agrifolia	Coast live oak	2	2	0	0	Remove
Quercus suber	Cork oak	1	1	0	0	Remove
Sequoia sempervirens	Coast redwood	5	4	1	0	Remove
Ulmus Americana	Elm	1	0	0	1	Remove
Total		**30**	**25**	**2**	**3**	

[1] Page A2.02 , and of the project sheet (10-29-2007) submitted to the City of Oakland for 222 19th Street, Oakland, CA, prepared by ib+a, San Francisco, CA.

[2] Schematic Planting Plan (10-29-2007) submitted to the City of Oakland for Lake Merritt Tower, Oakland, CA, prepared by ib+a, San Francisco, CA, and APDW, Inc. Sausalito, CA.

Species	Common Name	Trees within Survey Area	Trees in Good Condition	Trees in Fair Condition	Trees in Poor Condition	Remove or Retain
Trees Observed Outside of Development Footprint						
Eugenia brasiliensis	Brazil cherry	1	1	0	0	Retain
Diospyros sp	Persimmon	1	1	0	0	Retain
Total		**2**	**2**	**0**	**0**	

Conclusion

Protected trees within the proposed development footprint – A total of 30 protected trees were counted within the proposed development footprint. A review of the project sheets and landscape plan shows that development of the site would significantly impact (permanent removal) all of the trees within project boundary, except for the one specimen olive and four sweet gum trees that are to be transplanted. The olive would make a good specimen and an effort to transplant it on site should be made. However, although the sweet gums are good specimens, these trees would require a large effort and expense to properly save for transplanting. The methodology for transplanting trees is best left to an expert in the field of specimen tree relocation.

Protected trees outside the proposed development footprint, but within ten feet of planned construction area – Two protected trees occur outside the proposed development, but within ten feet of the planned construction area. Implementation of the proposed project is not anticipated to impact these trees; however, there may be temporary impacts such as root or branch pruning, or impacts to their root zone. In addition, the canopy of a large tree within Snow Park, east of Tree B, may need to be trimmed to provide clearance away from the project boundary.

Recommendations – Trees to be retained should be enclosed in a tree protection zone (TPZ) to prevent direct damage to the trees and their growing environment during the construction process. This arborist report recommends that a TPZ be established around the trees at a distance that is at or beyond the dripline by installing a temporary fence around the tree. The fencing should be installed before site preparation, construction activities, or tree trimming begins and should consist of blaze orange barrier fencing supported by metal "T rail" fence posts.

Heavy machinery should not be allowed to operate or park within the Tree Protection Zone. If it is necessary for heavy machinery to operate within the dripline of the trees to be retained, then a layer of mulch or pea gravel at least 4 inches in depth should be placed on the ground beneath the dripline. A 3/4 inch sheet of plywood should be placed on top of the mulch. The plywood and mulch will reduce compaction of the soil within the dripline. Debris or materials shall not be placed within Tree Protection Zones or against tree trunks. It may be necessary to trim the canopy of a tree to allow the movement of construction machinery. Although no specific branch or branches are recommended for removal, planned tree work should consider removing dead, crossed and/or malformed limbs. All branches to be removed should be pruned back to an appropriate sized laterally or to the trunk by following proper pruning guidelines. It is recommended that a professional tree company with certified arborists be retained to do this work.

Tree Replacement Plantings – Pursuant to Condition 41 of the City of Oakland's Standard Conditions of Approval, a total of seven replacement plantings would be required. These replacement plantings are for the five native coast redwoods, and two native coast live oaks that would be removed

for site development. Condition 41 mandates that if sufficient space (315 square feet per each planted coast redwood, and 700 square feet for each planted native live oak, madrone, buckeye, bay, or other acceptable native tree) exists in the proposed landscape plan, then replacement trees shall be at least of 24 inch box size, or 15 gallon size where appropriate and approved by the city arborist. If sufficient space is not available for planting on site, then an in lieu fee is required by the city.

LSA appreciates the opportunity to provide this report. Please feel free to contact me if you have questions or comments on this report.

Sincerely,

LSA ASSOCIATES, INC.

Timothy Milliken
International Society of Arboriculture (ISA) Certified Arborist WC-5539A

Attached: Tree Map
Results of Protected Tree Survey table

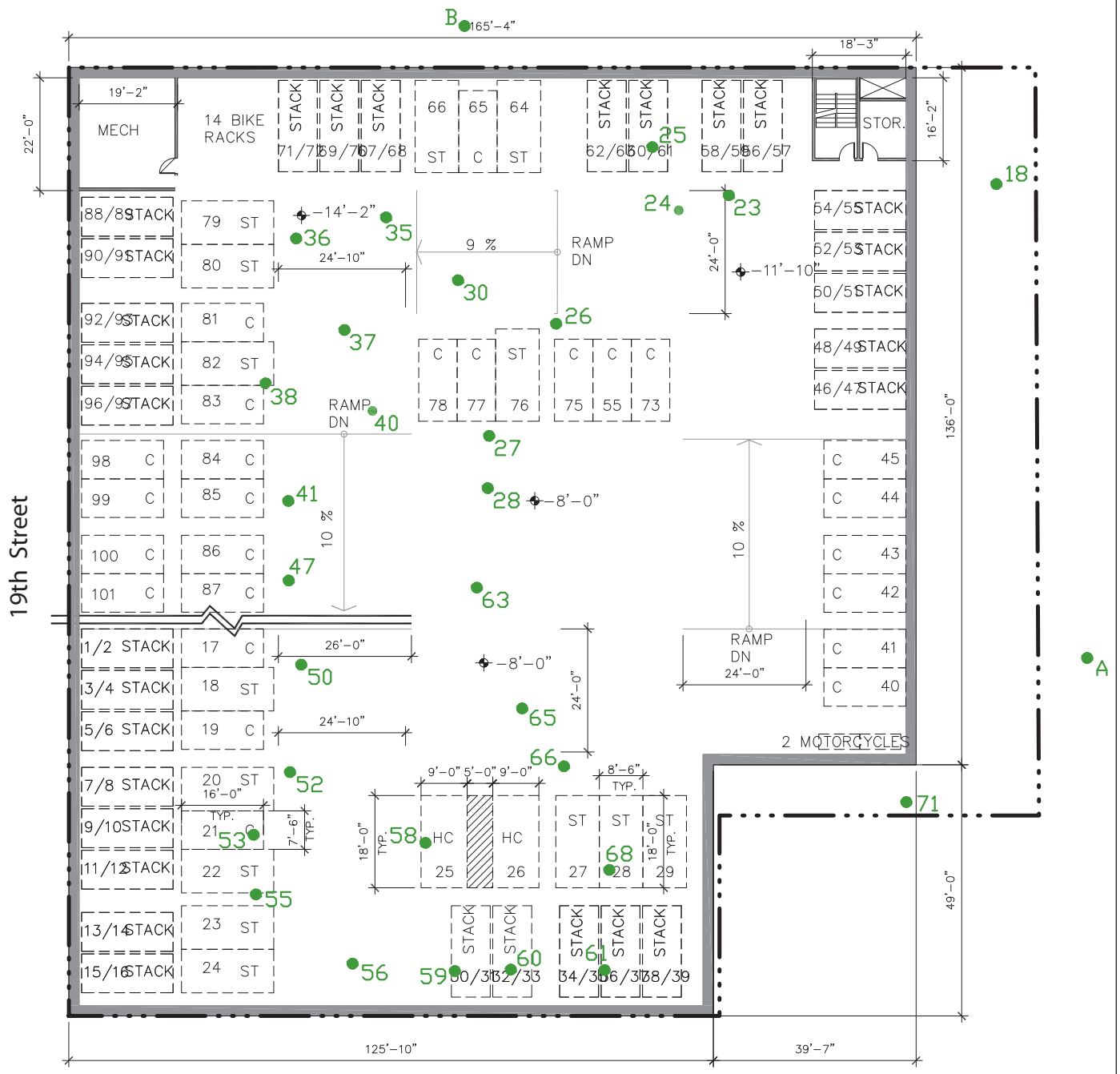
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Results of Protected Tree Survey
Emerald Views Residential Development

Tree Identifier	Common Name (Species Name)	Diameter (Inches)	Condition	Remove [1]	Retain	Status [2]
18	Olive *Olea europea*	39	Good	No	Yes; to be salvaged	Protected
23	Magnolia *Magnolia sp.*	24	Good	Yes	No	Protected
24	Magnolia *Magnolia sp.*	12	Good	Yes	No	Protected
25	Cork oak *Quercus suber*	16	Good	Yes	No	Protected
26	Cherry *Prunus cerasus*	10	Good	Yes	No	Protected
27	Cherry *Prunus cerasus*	9	Good	Yes	No	Protected
28	Azara *Azara sp.*	9	Good	Yes	No	Protected
30	Magnolia *Magnolia sp.*	9	Poor	Yes	No	Protected
35	Coast redwood *Sequoia sempervirens*	40	Fair	Yes	No	Protected
36	Coast redwood *Sequoia sempervirens*	44	Good	Yes	No	Protected
37	Coast redwood *Sequoia sempervirens*	55	Good	Yes	No	Protected
38	Coast redwood *Sequoia sempervirens*	67	Good	Yes	No	Protected
40	Magnolia *Magnolia sp.*	10	Poor	Yes	No	Protected
41	Sweet Gum *Liquidambar styraciflua*	14	Good	Yes	No	Protected
47	Sweet Gum *Liquidambar styraciflua*	16	Good	Yes	No	Protected
50	Sweet Gum *Liquidambar styraciflua*	19	Good	Yes	No	Protected
52	Dogwood *Cornus sp.*	11	Fair	Yes	No	Protected
53	Sweet Gum *Liquidambar styraciflua*	14	Good	Yes	No	Protected
55	Sweet Gum *Liquidambar styraciflua*	21	Good	Yes	No	Protected
56	Holly tree *Ilex sp.*	10	Good	Yes	No	Protected
58	Coast redwood *Sequoia sempervirens*	64	Good	Yes	No	Protected
59	Holly tree *Ilex sp.*	9	Good	Yes	No	Protected
60	Holly tree *Ilex sp.*	9	Good	Yes	No	Protected
61	Holly tree *Ilex sp.*	20	Good	Yes	No	Protected
63	Azara *Azara sp.*	12	Good	Yes	No	Protected
65	Cherry *Prunus cerasus*	10	Good	Yes	No	Protected

Tree Identifier	Common Name (Species Name)	Diameter (Inches)	Condition	Remove [1]	Retain	Status [2]
66	Cherry *Prunus cerasus*	11	Good	Yes	No	Protected
68	Elm *Ulmus americana*	15	Poor	Yes	No	Protected
71	Live Oak *Quercus agrifolia*	28	Good	Yes	No	Protected
A [3]	Persimmon *Diospyros sp.*	10	Good	No	Yes	Protected
B	Brazil cherry *Eugenia brasiliensis*	13	Good	No	Yes	Protected

1 Trees to be removed or retained determined by position on tree map relative to proposed development footprint.
2 A protected tree is a native tree that is greater than 4" DBH, or any ornamental tree with a DBH greater than 9" with the exception of eucalyptus or Monterey pine.
3. Protected trees outside of the building footprint but within 10 feet of the planned construction area are identified in alphabetical sequence.



LSA

PROJECT BOUNDARY

PARKING GARAGE FOOTPRINT

1 PROTECTED TREE AND TREE IDENTIFIER – WITHIN CONSTRUCTION AREA

A PROTECTED TREE AND TREE IDENTIFIER – WITHIN 10 FEET OF CONSTRUCTION AREA

N

0 15 30
FEET

Emerald Views Residential Development

Tree Map

SOURCE: IB+A (10/29/07)

I:\SDZ0601 19th street\figures\Tree Map.ai (11/09/09)

LSA

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2215 FIFTH STREET
BERKELEY, CALIFORNIA 94710

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CARLSBAD
COLMA
FORT COLLINS
IRVINE
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROCKLIN
SAN LUIS OBISPO

MEMORANDUM

DATE: September 29, 2011

TO: File

FROM: Shannon Allen, Principal/Project Manager

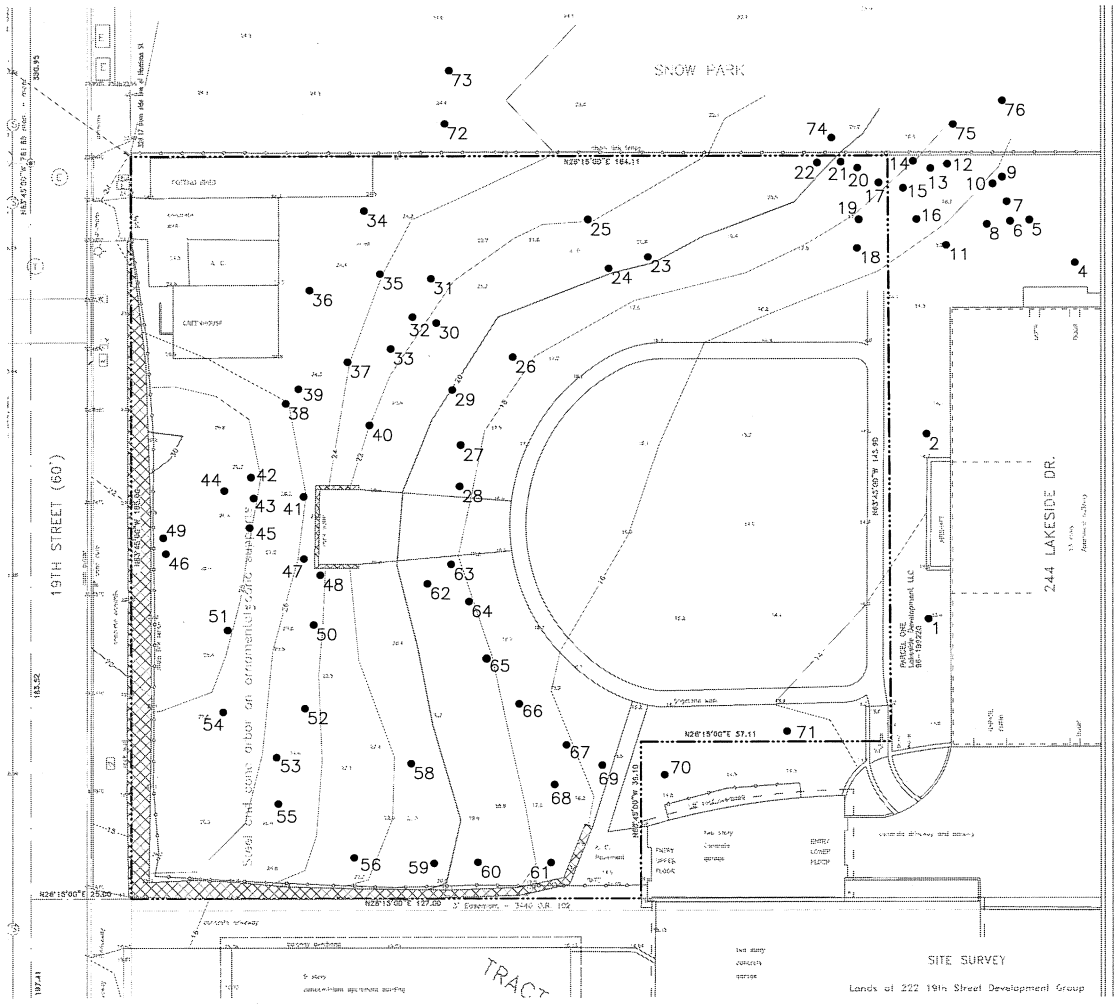
SUBJECT: Emerald Views Draft EIR, Project Construction – Tree Impacts

As indicated in the applicant's Draft Construction Utilization Plan, primary access for all construction material delivery and off-haul would be provided by Lakeside Drive, between Snow Park and the 244 Lakeside Drive Apartments (secondary access would be on 19th Street as necessary). The tree survey conducted for the project in 2008 included the trees north on the project site, where construction access is proposed (see attached map and corresponding table below). Approximately 14 trees on the 244 Lakeside Drive site, 12 of which are protected, could be impacted or require removal. One tree (Tree Number 3) is a native species that would require replacement.

Tree Number	Common Name (Species Name)	Diameter (Inches)	Condition	Status [1]
3	Oak *Quercus agrifolia*	46	Good	Protected
4	Japanese maple *Acer palmatum*	7	Good	Not protected
5	Honeysuckle *Lonicera sp.*	22	Good	Protected
6	Tree fern *Cyathea sp.*	10	Good	Protected
7	Tree fern *Cyathea sp.*	10	Good	Protected
8	Tree fern *Cyathea sp.*	11	Good	Protected
9	Tree fern *Cyathea sp.*	10	Good	Protected
10	Tree fern *Cyathea sp.*	10	Good	Protected
11	Tree fern *Cyathea sp.*	9	Good	Not protected
12	Tree fern *Cyathea sp.*	11	Good	Protected
13	Tree fern *Cyathea sp.*	16	Good	Protected
14	Tree fern *Cyathea sp.*	14	Good	Protected
15	Tree fern *Cyathea sp.*	10	Good	Protected
16	Tree fern *Cyathea sp.*	13	Good	Protected

[1] Protected tree is a native tree that is greater than 4" DBH, or any ornamental tree with a DBH greater than 9" with the exception of eucalyptus or Monterey pine.

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LSA

0 15 30
FEET

PROJECT BOUNDARY

1 TREE AND TREE NUMBER

FIGURE 1

19th Street Tower
Tree Map

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APPENDIX I

PHASE I SITE ASSESSMENT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

MAY 2008

19TH STREET RESIDENTIAL CONDOMINIUM PROJECT
222 19th Street
Oakland, California

For:

LSA Associates
Berkeley, California

Y6253-00.00462

5900 Hollis Street, Suite D • Emeryville, CA 94608 • (510) 420-8686

BASELINE

ENVIRONMENTAL CONSULTING

22 May 2008
Y6253-00.00462

Ms. Shannon Allen
LSA Associates
2215 Fifth Street
Berkeley, California 94710

Subject: **Phase I Environmental Site Assessment for the 19th Street Residential Condominium Project, at 222 19th Street, Oakland, California**

Dear Ms. Allen:

Please find enclosed our report documenting the activities and findings of a Phase I Environmental Site Assessment prepared for the 19th Street Residential Condominium Project located at 222 19th Street in Oakland, California. If you have any questions or comments, please do not hesitate to contact us at your convenience.

Sincerely,

Yane Nordhav
Principal
Professional Geologist No. 4009

Reginald Ramirez
Civil Engineer
Professional Engineer No. C 72258

YN:RR:km

Enclosure

5900 Hollis Street, Suite D • Emeryville, CA 94608 • (510) 420-8686 • FAX: (510) 420-1707
Emeryville *Petaluma* *San Francisco*

PHASE I ENVIRONMENTAL SITE ASSESSMENT

MAY 2008

19TH STREET RESIDENTIAL CONDOMINIUM PROJECT
222 19th Street
Oakland, California

For:

LSA Associates
Berkeley, California

Y6253-00.00462

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EXECUTIVE SUMMARY
PHASE I ENVIRONMENTAL SITE ASSESSMENT
19th Street Residential Condominium Project
Oakland, California

BASELINE Environmental Consulting (BASELINE) prepared this Phase I Environmental Site Assessment (Phase I ESA) for the 19th Street Residential Condominium Project (Project) located at 222 19th Street (site) in Oakland, California. This Phase I ESA was prepared for LSA Associates, Inc. in support of environmental review of the proposed Project pursuant to the California Environmental Quality Act.

The purpose of this investigation was to identify recognized environmental conditions (RECs) in connection with the Project site based on historical and current land uses and to provide recommendations for further action(s).

The scope of work for this Phase I ESA included: a review of historical land use information, including aerial photographs, City directory information, historical topographic maps, historical records from the City of Oakland (City) Planning Department, and Sanborn fire insurance maps; an interview with the Project site owner; a review of federal, state, and local regulatory agency files and databases; a Vapor Intrusion Assessment in accordance with ASTM Standard Method E 2600-08; a site reconnaissance; and the development of recommendations for further action(s).

BASELINE performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05. Based on information reviewed for this Phase I ESA, this assessment has identified the following potential REC and *de minimis* conditions.

Potential Recognized Environmental Condition

- A review of the database report identified two petroleum release sites under active regulatory agency oversight within one-quarter mile of the Project site. The releases of petroleum from the two active sites could potentially affect conditions at the Project site during construction, when groundwater extraction is required to lower the water table to construct the proposed below-grade parking. Although the information available from each active release site did not suggest that they have affected conditions at the Project site, the petroleum releases from these active sites are considered a potential REC because of their potential to impact the Project site during construction.

De Minimis Conditions

- Use of the Project site as an ornamental garden since the early 1900s to the present may have involved the use of horticultural chemicals, which have the potential to leave harmful chemical residues that could persist in shallow soils for many decades. The potential for harmful residues to be present in shallow soils is considered a *de minimis* condition because it would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- Based on a review of historical land use resources, the garage on the adjoining property to the northeast contained an underground gasoline tank in 1911. The records review did not reveal any evidence that would suggest a release associated with the underground tank had occurred at the garage location. In addition, the subsequent 1950 Sanborn map did not indicate the presence of the tank. Therefore, the tank is considered a *de minimis* condition because there was no evidence of a release of petroleum that could impact the Project site.

- A vapor intrusion evaluation conducted as part of this Phase I ESA found that a potential Vapor Intrusion Condition (VIC) at the Project site would not be expected based on the site history of the Project site. In addition, the adjoining properties would not be expected to create a potential VIC at the Project site based on the lack of active hazardous materials release cases at those sites. No other information for the Project site, adjoining properties, or sites within one-tenth mile of the Project site was identified to indicate potential issues related to volatile chemicals.

- The site reconnaissance identified an ornamental garden, greenhouse, and garden shed at the Project site. The proposed development would require removal of the garden shed and greenhouse, which could contain lead and/or asbestos in paints and building materials, based on their ages. Demolition of the greenhouse and garden shed could disperse lead and/or asbestos into the atmosphere where they could pose a health and safety risk to construction workers and/or the neighboring community. Since lead and asbestos, if present, in paint and building materials do not present a threat to human health and the environment unless they are released without controls, this condition is considered a *de minimis* condition.

Based on the findings of this investigation, BASELINE recommends:

- Prior to Project development, a soil investigation should be performed at the Project site to characterize shallow soils to determine if residues of horticultural chemicals are present that could affect the proposed Project. The scope of the soil investigation should include sampling and analysis of shallow soils that will be disturbed by the proposed development for organochlorine pesticides and select heavy metals. The soil analytical results should be compared against applicable hazardous waste criteria and screening values considered protective of human health. Based on analytical results, the soil investigation report should provide recommendations regarding management and disposal of affected soils during Project construction and potential impact on construction worker health and safety and adjacent land uses.

- Prior to Project development, a groundwater investigation should be performed to obtain groundwater quality data in the event that a permit for discharge of extracted groundwater into the local sanitary sewer system is required during Project development. The scope of the groundwater investigation should include sampling and analysis of groundwater near the east and west corners of the Project site to determine whether petroleum releases from off-site sources have migrated onto the Project site. Based on analytical results, the groundwater investigation report should provide recommendations regarding management and proper treatment (if appropriate) of affected groundwater.

- Prior to Project development, the greenhouse and garden shed should be surveyed for the presence of lead and asbestos by a qualified professional. Asbestos-containing materials within the greenhouse and garden shed should be abated prior to demolition. Lead-based paint that is securely adhered to materials may be disposed of along with construction debris. If the paint is otherwise loose or peeling, it should be disposed of in accordance with applicable laws and regulations. Any hazardous wastes must be appropriately managed, labeled, transported, and disposed of in accordance with applicable requirements.

- If an existing irrigation well is considered for future use, the well's construction log should be reviewed for compliance with the California Well Standard and the Alameda County Public Works Agency (ACPWA). However, if there is no intention to continue use of the irrigation well, the well should be destroyed in accordance with ACPWA requirements.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
19th Street Residential Condominium Project
Oakland, California

1. INTRODUCTION

This report presents the activities and findings of a Phase I Environmental Site Assessment (Phase I ESA) for the 19th Street Residential Condominium Project (Project) located at 222 19th Street (Project site) in Oakland, California (Figure 1). The proposed Project consists of construction of a 42-story residential tower and five levels of below-grade parking at the Project site. BASELINE Environmental Consulting (BASELINE) conducted this Phase I ESA for LSA Associates, Inc. in support of environmental review of the proposed Project pursuant to the California Environmental Quality Act.

The purpose of this investigation was to identify recognized environmental conditions (RECs) in connection with the Project site based on historical and current land uses and to provide recommendations for further action(s). As defined in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* established by ASTM International in Designation E 1527-05, an REC is:

> *The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include* de minimis *conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be* de minimis *are not recognized environmental conditions.*

The scope of work for this Phase I ESA included: a review of historical land use information, including aerial photographs, City directory information, historical topographic maps, historical records from the City of Oakland (City) Planning Department, and Sanborn fire insurance maps; interview with the Project site owner; a review of federal, state, and local regulatory agency files and databases; a Vapor Intrusion Assessment in accordance with ASTM Standard Method E 2600-08; a site reconnaissance; and development of recommendations for further action(s). No soil, groundwater, or air quality testing was performed for this Phase I ESA. All Phase I activities were performed in accordance with ASTM Standard Method E 1527-05.

2. SITE DESCRIPTION

The Project site is a single parcel (APN 008-0634-003) in Oakland, California, approximately three-quarters of an acre in area (Figures 1 and 2). The Project site contains an ornamental garden, central lawn, paved walkways, several trees, a greenhouse, a garden shed, and a rock embankment along the southeast and southwest Project site boundaries. The Project site is located near the intersection of Alice and 19th Streets and is bordered by a 12-story apartment

building to the northeast, a 2-story garage to the east, an 8-story apartment building to the southeast, 19th Street to the southwest, and Snow Park, a City park, to the northwest (Figure 2). The Project site slopes down gently toward the northwest and is approximately 26 feet above mean sea level (Treadwell & Rollo, 2006; EDR, 2008).

Geotechnical data from nearby properties indicated that soils underneath the Project site likely consist of medium dense sand, silty sand, and gravel, with intermittent layers of stiff to very stiff sandy clay and clay (Treadwell & Rollo, 2006). Groundwater data from previous investigations indicated that groundwater at the Project site would be expected to be encountered between five and ten feet below ground surface (Treadwell & Rollo, 2006). The nearest surface water body is Lake Merritt, located approximately 300 feet northeast of the Project site (Figure 1). Groundwater data available from a nearby active remediation site indicated that the groundwater flow direction in the Project site vicinity is toward the northeast (Gettler-Ryan, 2007), which is consistent with the topography of the Project site vicinity.

3. PROJECT DESCRIPTION

The proposed Project involves the construction of a 42-story residential tower that would provide 370 residential units. The proposed residential tower would also provide parking in five garage levels located below-grade. Other features of the proposed Project include landscaped areas surrounding the residential tower that would create approximately 20,000 square feet of common open space area, a café and an outdoor patio at the main entrance level, a viewing gallery on the 40th floor, and a roof terrace.

4. HISTORICAL LAND USES

Historical land uses at the Project site and adjoining properties were determined through review of readily available aerial photographs from 1939 through 1998, Sanborn fire insurance maps from 1889 through 1969, and a historical cultural heritage survey from the City Planning Department. Information obtained from these land use resources were verified using City directory information and historical topographic maps from 1915 through 1980. The aerial photographs, City directory information, historical topographic maps, Oakland Cultural Heritage Survey, and Sanborn fire insurance maps are included in Appendices A through E, respectively.

Land use at the Project site was residential from at least 1889, the date of the earliest land use resource available for the Project site. Several residences were apparent at and near the Project site on the 1889 Sanborn map. The Project site contained a residence, which was part of a large residential property owned by Judge O.L. Shafter (Shafter property); this property consisted of the Project site and the adjoining property to the northeast (City of Oakland, 1985). Adjoining properties to the southwest were vacant in 1889.

Between 1900 and 1901, August Schilling purchased the Shafter property and combined this property with his adjoining property to the southeast to form a large contiguous property known as the Schilling Estate (City of Oakland, 1985). The Shafter residence on the Project site was removed after the purchase and the combined parcels were redeveloped (City of Oakland, 1985).

In 1903, the Schilling Estate contained an ornamental garden, an arbor, and several structures, including a redeveloped residence, a servants' house, and boat houses along the shores of Lake

Merritt, based on Sanborn map information. The Schilling residence, servants' house, a boat house, and a few small buildings appeared on the southeast portion of the Schilling Estate (immediately to the southeast of the Project site), while the arbor was apparent along the Project site boundaries on the southeast and southwest. The northwest portion of the Schilling Estate (immediately to the northeast of the Project site) contained several small outbuildings and a boat house along the shores of Lake Merritt. Adjoining portions of the Schilling Estate contained ornamental gardens. The 1903 Sanborn map also indicated a redeveloped residence on the property to the northwest, while properties to the southwest, across 19th Street, remained vacant.

By 1911, most of the Project site vicinity was developed for residential use. Residences were apparent at properties to the northwest and southwest of the Schilling Estate, based on Sanborn map information. The Schilling Estate had undergone several modifications since 1903, and in 1911, the estate contained an artificial cave, pond, playhouse, aviary, and a newly completed garage. The southwest portion of the Schilling Estate (the Project site) contained the artificial cave, but the arbor indicated on the 1903 Sanborn map was no longer mapped. The artificial cave, which contained an indoor reservoir, water tank, and electrical equipment, was last noted on a Sanborn map dated 1950. The garage was built in 1910 near the center of the estate (to the east of the Project site). The 1911 Sanborn map indicated a gasoline tank underneath the garage. In addition to the garage, the 1911 Sanborn map showed one small outbuilding on the northwest portion of the estate. All but one of the small outbuildings on the northwest portion of the estate, shown on the 1903 Sanborn map, had been removed. The southeast portion of the estate (southeast of the Project site) contained the pond, playhouse, and aviary in addition to the Schilling residence and the former servants' house.

The Schilling Estate remained intact until 1921, when a developer purchased the southeast portion of the estate and constructed the current 8-story apartment building southeast of the Project site (City of Oakland, 1985) (Figure 2). Between 1924 and 1925, the remaining portion of the former Schilling Estate was sold and divided into two parcels; the current 12-story apartment building northeast of the Project site was constructed on the north parcel in 1926 while the south parcel (the Project site) remained an ornamental garden up to the present (City of Oakland, 1985) (Figure 2). No other land uses were noted at the former Schilling Estate parcels in available historical land use resources. No changes were noted on these parcels after 1926, with the exception of a greenhouse and garden shed on the southwest portion of the Project site that were first noted on an aerial photograph from 1958.

By 1950, land use on the adjoining property to the northwest of the Project site had changed from residential to commercial. The 1950 Sanborn map showed the adjoining residence had been converted to a museum and an office building fronting Harrison Street had been constructed to the northwest of the Project site. Based on City directory records, the museum property was listed as a residence until at least 1925, and as government offices and a museum from 1933 through at least 1967. The office building fronting Harrison Street was no longer shown on the 1953 Sanborn map, indicating the removal of this building between 1950 and 1953. The museum was present to the northwest of the Project site until at least 1969, the date of the most recent Sanborn map available for the Project site. An aerial photograph from 1982 showed the current Snow Park had been developed on this parcel, indicating the museum was removed sometime between 1969 and 1982.

Land uses on the southwest corner of Alice and 19th Streets, southwest of the Project site, remained residential until at least 1954, based on City directory records. Sanborn maps from 1957 through 1969 and the aerial photograph from 1982 showed a parking lot at this adjoining property. The current commercial office building was first noted on an aerial photograph dated 1993, indicating its construction between 1982 and 1993.

Land uses on the southeast corner of Alice and 19th Streets, southwest of the Project site, remained residential until at least 1960, based on Sanborn map information. Between 1960 and 1964, the current apartment complex was constructed on that property and adjoining areas to the south, based on Sanborn map information.

Historical Land Uses Associated with Hazardous Materials

The use of the Project site as an ornamental garden since the early 1900s may have involved the use of chemicals such as pesticides, herbicides, fertilizers, and/or fungicides. Most horticultural chemicals in use today have short persistence, and quickly degrade into less harmful compounds. However, some classes of chemicals commonly used in the past contained persistent organic (e.g., organochlorine pesticides) and inorganic (e.g., heavy metals such as mercury, copper, lead, and arsenic) compounds that could remain in shallow soils for many decades. If these classes of agricultural chemicals were applied at the Project site, harmful chemical residues could be present in shallow soils and could pose a health and safety risk to construction workers or to future occupants of the Project site and/or require special soil management and disposal procedures during construction. Since the potential for harmful chemical residues to be present in shallow soils at the Project site would not be the subject of an enforcement action by appropriate governmental agencies, this potential condition would not be considered a REC, but rather a *de minimis* condition.

Based on a review of historical land use resources, the garage on the adjoining property to the northeast contained an underground gasoline tank in 1911. The historical land use resources did not provide additional evidence that would indicate whether the underground tank is still present at the garage location. The subsequent 1950 Sanborn map did not indicate the presence of the tank.

5. INTERVIEW

An interview questionnaire was filled out by David O'Keefe, Project site owner, and is included in Appendix F. The interview questionnaire, based on ASTM Standard Method E 1527-05, discloses information and/or specialized knowledge of the user that may be helpful in identifying RECs in connection with the Project site.

David O'Keefe indicated on the interview questionnaire that he is not aware of any environmental liens against the property, land use limitations associated with the Project site, or the presence of contamination at the Project site. In addition, he indicated on the interview questionnaire knowledge regarding the previous use of the Project site as landscaped gardens and the presence of a private well on the Project site used for irrigation purposes.

6. REGULATORY AGENCY DATABASE REVIEW

BASELINE contacted Environmental Data Resources, Incorporated (EDR), an environmental resource service, to conduct a search of federal, state, and local regulatory agency databases pertaining to past and present hazardous materials use and release on properties at and near the Project site within the search distance required by the ASTM Standard (EDR, 2008). BASELINE reviewed the EDR report to assess which listed facilities would have a significant potential impact on the Project site. Factors used to screen the listed properties included: distance to the Project site, known or presumed direction of groundwater flow, and type and magnitude of hazardous materials release.

Properties with known hazardous materials use and/or release within one-quarter mile of the Project site were evaluated to determine whether they could potentially affect conditions at the Project site (Figure 3 and Table 1). Fifteen sites associated with hazardous materials use and/or release were identified within one-quarter mile of the Project site (Figure 3 and Table 1). The Project site and adjoining properties to the northeast, southwest, and northwest were not identified in the database report. The adjoining property to the southeast, the Regillus Condominiums site at 200 Lakeshore Drive, was listed in the database report (Site 2 on Figure 3 and Table 1) and is discussed below. The complete environmental database report is included in Appendix G.

Sites Associated with Use, Storage, Generation, and Disposal of Hazardous Materials

Three sites were listed as generators of RCRA[1] hazardous waste: two sites (Sites 14 and 15) were registered as small-quantity generators, indicating the generation of between 100 and 1,000 kilograms (kg) of hazardous waste per month, and one site (Site 1) was registered as a large-quantity generator, indicating the generation of over 1,000 kg of hazardous waste, or over one kg of acutely hazardous waste per month (Figure 3 and Table 1). Three sites were listed on the state's Hazardous Waste Information System (HAZNET), indicating disposal of hazardous waste and the completion of a hazardous waste manifest collected by the state (Sites 1, 2, and 15 on Figure 3 and Table 1). Site 2, the Regillus Condominiums property at 200 Lakeside Drive, adjoins the Project site to the southeast (Figure 3). No hazardous waste violations were reported for any of the hazardous waste generators.

Seven sites were listed in databases associated with active and inactive underground storage tanks (USTs) and/or historical USTs (Sites 1, 4, 5, 6, 7, 12, and 15 on Figure 3 and Table 1). Site 1, the Kaiser Center at 300 Lakeside Drive, was also listed on the Bay Area Air Quality Management District's Toxic Emissions Inventory from 1997 through 2004, indicating the controlled emission of toxic chemicals and/or priority pollutants into the atmosphere under permit (Figure 3 and Table 1).

The adjoining property to the northeast, which is a suspected underground tank site, was not listed in databases associated with underground tanks. No evidence of previous registration or removal of an underground tank on the adjoining property to the north was available from the

[1] Resource Conservation and Recovery Act, the primary federal law addressing the transport, storage, and disposal of hazardous materials.

database report. In addition to a lack of evidence to support the historical or current presence of an underground tank on the adjoining property to the north, the database report did not identify this adjoining property in databases associated with hazardous materials release, suggesting that a release of hazardous materials has not occurred on the adjoining property. Based on the above information, the suspected underground tank, if present, would not be expected to affect conditions at the Project site if a release of petroleum has not occurred on the adjoining property. Since there is no evidence to suggest that a release of petroleum has occurred on the adjoining property to the north, the tank, if present, would be considered a *de minimis* condition.

Reported Hazardous Materials Release Sites

Ten sites were identified in databases associated with hazardous materials release (Sites 1, 2, 3, 6, 8, 9, 10, 11, 12, and 13 on Figure 3 and Table 1). Nine out of the ten sites, including the adjoining Regillus Condominiums property (Site 2 on Figure 3 and Table 1), were listed on the state Cortese database (Sites 1, 2, 3, 6, 8, 9, 10, 12, and 13 on Figure 3 and Table 1). The Cortese database is a compilation of other state hazardous materials databases and has not been updated since 2001, making it less current than other databases reviewed. Out of the ten sites with hazardous materials releases, seven sites were listed on at least one other release database such as the Alameda County Contaminated Site List, the Leaking Underground Storage Tank, or the Spills, Leaks, Investigations, and Cleanups database (Sites 1, 8, 9, 10, 11, 12, and 13 on Figure 3 and Table 1). Three Cortese database sites, which include the adjoining property Site 2, were not listed on any other release database, suggesting that these sites may be former release sites no longer tracked by regulatory agencies.

Five of the hazardous materials release sites have been closed, indicating that remediation has been performed or was not necessary (Sites 1, 9, 10, 11, and 13 on Figure 3 and Table 1). Sites 8 (a former Chevron gasoline station) and 12 (Douglas Motor Service ["DMS"]) are under active regulatory agency oversight (Figure 3 and Table 1) and are discussed further below.

The former Chevron site was located on the southwest corner of Harrison and 17th Streets, approximately 850 feet southwest of the Project site (Site 8 on Figure 3). Groundwater quality underlying the former Chevron site and downgradient areas were affected by a subsurface release of gasoline that was discovered in 1987 (EDR, 2008; Gettler Ryan, 2007). The September 2007 groundwater monitoring event at the former Chevron site reported concentrations of total petroleum hydrocarbons as gasoline (TPH-g) and benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds above laboratory reporting limits in two or more samples (Gettler Ryan, 2007). The highest concentrations for TPH-g (8,000 micrograms per liter [µg/L]) and BTEX (310, 97, 55, and 131 µg/L, respectively) compounds were reported in the water sample collected from a perimeter well in the downgradient direction (Gettler Ryan, 2007). The September 2007 groundwater monitoring event reported a groundwater flow direction to the northeast, which is toward the Project site (Gettler Ryan, 2007).

The DMS site is located on Webster Street between 17th and 19th Streets, approximately 1,000 feet west of the Project site (Site 12 on Figure 3). In 1992, a 1,000-gallon and two 500-gallon USTs were removed from the DMS site (Pangea, 2007). Soil samples collected from the UST excavation contained TPH-g and benzene up to 1,500 and 12 milligrams per kilogram (mg/kg), respectively (Pangea, 2007). Remediation of petroleum-affected groundwater, which was has

been performed at the DMS site since 1998, involved the use of oxygen-releasing compounds in 1998 followed by the use of hydrogen peroxide in 1999 to enhance the biodegradation of dissolved-phase hydrocarbons in groundwater (Pangea, 2007). In October 2007, remedial activities included the operation of a soil vapor extraction and air sparging system (Pangea, 2007). The results of the October 2007 groundwater monitoring event reported that groundwater samples collected from perimeter wells did not contain petroleum compounds above laboratory reporting limits, indicating that the petroleum plume is stable and would not be expected to migrate toward the Project site (Pangea, 2007).

Based on information available from each active release site, the releases of petroleum from the former Chevron and DMS sites have affected groundwater at and near the respective release sites. The available groundwater data from each active release site indicated that the petroleum plume near the former Chevron site has migrated off-site, while the petroleum plume appears to be stable in the vicinity of the DMS site. The petroleum plumes from each active release site could affect conditions at the Project site during construction, when extraction of groundwater is required to lower the water table by about 50 feet to construct the proposed five levels of below-grade parking. The extraction of groundwater would likely create a depression in water levels that would be greatest at the Project site and decrease with distance away from the Project site. The depression could induce a groundwater flow gradient that is toward the Project site. The size and shape of the depression would be affected by the rate of extraction and characteristics of the affected aquifer. Depending on the extraction system used during construction, the resulting cone of depression could potentially draw contaminated groundwater from the former Chevron and/or DMS sites into the Project site. Contaminated groundwater that is extracted may require treatment prior to discharge into the local sanitary sewer system.

Although the information available from each active release site did not suggest that they have affected conditions at the Project site, the petroleum releases from these active release sites are a potential REC because of their potential to affect conditions at the Project site during construction.

Orphan Sites

The EDR report included an orphan summary, which contained sites with known hazardous materials use and release, but with poor or inadequate address information; these sites may be within the search distance established by the ASTM Standard Method E 1527-05. The orphan sites were evaluated to determine whether they could be proximate to the Project site and potentially affect conditions at the Project site.

The orphan summary listed 39 sites with corresponding address and database information. Based on available address information, and available information regarding the releases, none of the orphan sites were located within one-quarter mile of the Project site, and would not be expected to affect conditions at the Project site.

7. VAPOR INTRUSION CONDITION EVALUATION

This section presents a screening evaluation to determine whether a Vapor Intrusion Condition (VIC) exists or is likely to exist at the Project site. This evaluation was conducted in accordance with the *Standard Practice for Assessment of Vapor Intrusion into Structures on Property*

Involved in Real Estate Transactions established by ASTM International in Designation E 2600-08. The ASTM Standard Method E 2600-08 defines a VIC as:

> *The presence or likely presence of any contaminant of concern in the indoor air environment of existing or planned structures on a property caused by the release of vapor from contaminated soil or groundwater either on the property or within close proximity to the property, at a concentration that presents or may present an unacceptable health risk to occupants. The term is not intended to include* de minimis *conditions that do not normally represent an unacceptable health risk to occupants and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.*

ASTM Standard Method E 2600-08 provides a four-tier screening process to determine whether a potential VIC exists. The screening process starts at Tier 1 and continues through each successive tier until a potential VIC is ruled out or confirmed. Tier 1 uses non-numeric information such as physical setting, site history, distance from potential contamination, conduits for migration of contaminants, and groundwater flow direction to ascertain whether or not a potential VIC exists. In addition, Tier 1 requires an evaluation of petroleum release sites within one-tenth mile (528 feet) of the Project site to determine whether they could create a potential VIC at the Project site. The VIC evaluation described in this section was based on a Tier 1 screening process.

The historical land use information reviewed for this Phase I ESA did not identify any land use on the Project site associated with the use of petroleum or other volatile chemicals. Historical land use associated with use of petroleum was identified on the adjoining property to the northeast, based on the 1911 Sanborn map that indicated a gasoline tank underneath the garage; however, a subsequent Sanborn map from 1950 did not identify the presence of a tank. The database report did not identify the garage location in databases associated with releases of petroleum from an underground tank, suggesting that a petroleum release has not occurred at this location. The adjoining property to the southeast was identified in the Cortese database, a release database that has not been updated by the state. The database report did not identify the adjoining property to the southeast in any other release database, suggesting that the release that occurred on this property is no longer tracked by regulatory agencies. No other site associated with the use of petroleum or other volatile chemicals was identified within one-tenth mile of the Project site. Based on the above information, the conditions on the Project site and adjoining properties to the northeast and southeast would not be expected to create a potential VIC at the Project site.

8. CURRENT LAND USE AND SITE RECONNAISSANCE

A BASELINE professional engineer conducted a visual reconnaissance of the Project site on 15 April 2008. The site reconnaissance was conducted to document current land uses and evidence of storage, generation, release, and disposal of hazardous materials at the Project site and adjoining properties. Observations on adjoining properties were made from public rights-of-way. Photographs taken during the reconnaissance of the Project site are shown on Figures 4 and 5. Observations made during the site reconnaissance are described below.

Project Site

The Project site contained an elaborate garden with walkways, a rock embankment along the southeast and southwest perimeters, redwood trees, a large arbor structure with faux tree trunks as supporting members, several varieties of flowering plants and shrubs, a greenhouse, a garden shed, and central lawn (Photograph 4a on Figure 4). The greenhouse and garden shed were the only buildings noted on the Project site; these buildings are on the southwest portion of the Project site near an access gate fronting 19th Street.

The garden shed contained gardening tools and supplies including topsoil, mulch, fertilizers, and a lawnmower (Photograph 4b on Figure 4). The greenhouse also contained items related to gardening, including a submersible pump and potting mix (Photograph 5a on Figure 5). An active well fitted with a submersible pump was noted adjacent to the garden shed, and was apparently used for irrigation of the garden. No evidence of spills of agricultural chemicals was noted at the greenhouse and garden shed area during the site reconnaissance. No other evidence of hazardous materials use or release was noted at the Project site.

The construction of the proposed residential condominium would require the removal of the greenhouse and garden shed. The greenhouse and garden shed were first noted on an aerial photograph dated 1958, indicating that these structures could potentially contain lead and/or asbestos since these materials were widely used in paints and building materials prior to 1980. If present, lead and asbestos could be dispersed during demolition, where they could potentially pose a health and safety risk to construction workers and/or the neighboring community. Since lead and asbestos, if present, in paint and building materials do not present a threat to human health and the environment unless they are released without controls, this condition is considered a *de minimis* condition.

Adjoining Properties

Land uses at properties surrounding the Project site included apartment buildings, garages, a commercial building, and a community park (Figure 2). The garage built in 1910 was observed on the adjoining property to the northeast (Photograph 5b on Figure 5). No evidence of an underground tank was observed on this adjoining property. The land uses noted during the site reconnaissance were consistent with land uses determined from a review of historical land use resources. No signs of distressed vegetation, stained soils, odors, or other evidence that would suggest hazardous materials release were observed from properties adjoining the Project site. Sumps, drums, transformers, tanks, standpipes, ponds, basins, or other containment structure of hazardous materials or associated structures were not identified during the site reconnaissance.

9. DATA GAPS

The ASTM Standard Method E 1527-05 requires the identification of data gaps, along with actions taken to address these gaps, and an opinion as to whether these gaps are significant. Information sources at intervals of greater than a five-year time span between sources from the present to 1940 or the first developed use, whichever is earlier, can be considered a data gap. In addition, a lack of or the inability to obtain information required by the ASTM Standard (i.e., site reconnaissance or interview with the owner/key site manager) may constitute a data gap.

The 1889 Sanborn map is the earliest land use resource available for the Project site, and it indicated a developed use at the Project site at this time. After 1889, land use resources were not available at intervals equivalent to or less than five years. While this constitutes a data gap, it is not considered significant because available historical sources for the Project site indicated consistent use of the Project site as a residence or garden throughout its developed history.

10. FINDINGS

Based on information reviewed for this Phase I ESA, this assessment has identified the following potential REC and *de minimis* conditions.

Potential Recognized Environmental Condition

- A review of the database report identified two petroleum release sites under active regulatory agency oversight within one-quarter mile of the Project site. The releases of petroleum from the two active sites could potentially affect conditions at the Project site during construction, when groundwater extraction is required to lower the water table to construct the proposed below-grade parking. Although the information available from each active release site did not suggest that they have affected conditions at the Project site, the petroleum releases from these active sites are considered a potential REC because of their potential to impact the Project site during construction.

De Minimis Conditions

- Use of the Project site as an ornamental garden since the early 1900s to the present may have involved the use of horticultural chemicals, which have the potential to leave harmful chemical residues that could persist in shallow soils for many decades. The potential for harmful residues to be present in shallow soils is considered a *de minimis* condition because it would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- Based on a review of historical land use resources, the garage on the adjoining property to the northeast contained an underground gasoline tank in 1911. The database records review did not reveal any evidence that would suggest a release associated with the underground tank had occurred at the garage location. In addition, the subsequent 1950 Sanborn map did not indicate the presence of the tank. Therefore, the tank is considered a *de minimis* condition because there was no evidence of a release of petroleum that could impact the Project site.

- A vapor intrusion evaluation conducted as part of this Phase I ESA found that a potential VIC at the Project site would not be expected based on the site history of the Project site. In addition, the adjoining properties would not be expected to create a potential VIC at the Project site based on the lack of active hazardous materials release cases at those sites. No other information for the Project site, adjoining properties, or sites within one-tenth mile of the Project site was identified to indicate potential issues related to volatile chemicals.

- The site reconnaissance identified an ornamental garden, greenhouse, and garden shed at the Project site. The proposed development would require removal of the garden shed and greenhouse, which could contain lead and/or asbestos in paints and building materials, based on their ages. Demolition of the greenhouse and garden shed could disperse lead and/or asbestos into the atmosphere where they could pose a health and safety risk to construction workers and/or the neighboring community. Since lead and asbestos, if present, in paint and building materials do not present a threat to human health and the environment, unless they are released uncontrollably, this condition is considered a *de minimis* condition.

11. CONCLUSIONS

BASELINE has performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05. This assessment has revealed no evidence of RECs in connection with the property except for the following:

- A review of the database reports identified two petroleum release sites under active regulatory agency oversight within one-quarter mile of the Project site. The releases of petroleum from the two active sites could potentially affect conditions at the Project site during construction, when groundwater extraction is required to lower the water table to construct the proposed below-grade parking. Although the information available from each active release site did not suggest that they have affected conditions at the Project site, the petroleum releases from these active sites are considered a potential REC because of their potential to impact the Project site during construction.

12. RECOMMENDATIONS

- Prior to Project development, a soil investigation should be performed at the Project site to characterize shallow soils to determine if residues of horticultural chemicals are present that could affect the proposed Project. The scope of the soil investigation should include sampling and analysis of shallow soils that will be disturbed by the proposed development for organochlorine pesticides and select heavy metals. The soil analytical results should be compared against applicable hazardous waste criteria and screening values considered protective of human health. Based on analytical results, the soil investigation report should provide recommendations regarding management and disposal of affected soils during Project construction and potential impact on construction worker health and safety and adjacent land uses.

- Prior to Project development, a groundwater investigation should be performed to obtain groundwater quality data in the event that a permit for discharge of extracted groundwater into the local sanitary sewer system is required during Project development. The scope of the groundwater investigation should include sampling and analysis of groundwater near the east and west corners of the Project site to determine whether petroleum releases from off-site sources have migrated onto the Project site. Based on analytical results, the groundwater investigation report should provide recommendations regarding management and proper treatment (if applicable) of affected groundwater.

- Prior to Project development, the greenhouse and garden shed should be surveyed for the presence of lead and asbestos by a qualified professional. Asbestos-containing materials within the greenhouse and garden shed should be abated prior to demolition. Lead-based paint that is securely adhered to materials may be disposed of along with construction debris. If the paint is otherwise loose or peeling, it should be disposed of in accordance with applicable laws and regulations. Any hazardous wastes must be appropriately managed, labeled, transported, and disposed of in accordance with applicable requirements.

- If an existing irrigation well is considered for future use, the well's construction log should be reviewed for compliance with the California Well Standard and the Alameda County Public Works Agency (ACPWA). However, if there is no intention to continue use of the irrigation well, the well should be destroyed in accordance with ACPWA requirements.

13. LIMITATIONS

This Phase I report is intended to provide an understanding of the current environmental conditions at the Project site. BASELINE's interpretations and conclusions regarding this information and presented in this report are based on the expertise and experience of BASELINE in conducting similar assessments and current federal, state, and local regulations and standards.

In evaluating the site, BASELINE has also relied upon representations and information furnished by individuals noted in the report with respect to existing operations and property conditions and historic uses of the property. Accordingly, BASELINE accepts no responsibility for any deficiency, misstatements, or inaccuracy contained in this report as a result of misstatements, omissions, misrepresentations, or fraudulent information provided by the persons interviewed or documents reviewed.

BASELINE's objective is to perform our work with care, exercising the customary thoroughness and competence of earth science, environmental, and engineering consulting professionals, in accordance with the standard for professional services for a consulting firm at the time these services were provided. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental conditions and potential liability at a particular site. Therefore, BASELINE cannot act as insurers and cannot "certify or underwrite" that a site is free of environmental contamination, and no expressed or implied representation or warranty is included or intended in this report except that the work was performed within the limits prescribed with the customary thoroughness and competence of our profession.

The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration at the Project site, analysis of the data, and re-evaluation of the findings, observations, conclusions, and recommendations expressed in the report.

The findings, observations, conclusions, and recommendations expressed by BASELINE in this report are limited by the scope of services and should not be considered an opinion concerning the compliance of any past or current owner or operator of the site with any federal, state, or local law or regulation. No warranty or guarantee, whether express or implied is made with

respect to the data reported or findings, observations, conclusions, and recommendations expressed in this report.

14. ENVIRONMENTAL PROFESSIONAL STATEMENT

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 Code of Federal Regulations (CFR), Part 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. The qualifications of the document preparers are provided in Appendix H.

15. REFERENCES

Environmental Data Resources (EDR), 2008, The EDR Radius Map with GeoCheck®, 19th Street Residential Condominium, 222 19th Street Oakland, CA 94612, Inquiry Number: 2192354.1s, 1 April.

Gettler Ryan, Incorporated, 2007, Second Semi-Annual Event of September 24, 2007, Groundwater Monitoring and Sampling Report, Former Chevron Service Station #9-0020, 1633 Harrison Street Oakland, California, 25 October.

Ian Birchall + Associates (ib + a), 2006, 222 19th Street, Vicinity Map, 15 June.

Oakland City Planning Department (City of Oakland), 1985, Oakland Cultural Heritage Survey, Volume V – Building Group State Forms, State of California – The Resources Agency, Department of Parks and Recreation, Historic Resources Inventory, Lakeside Drive (244) Complex.

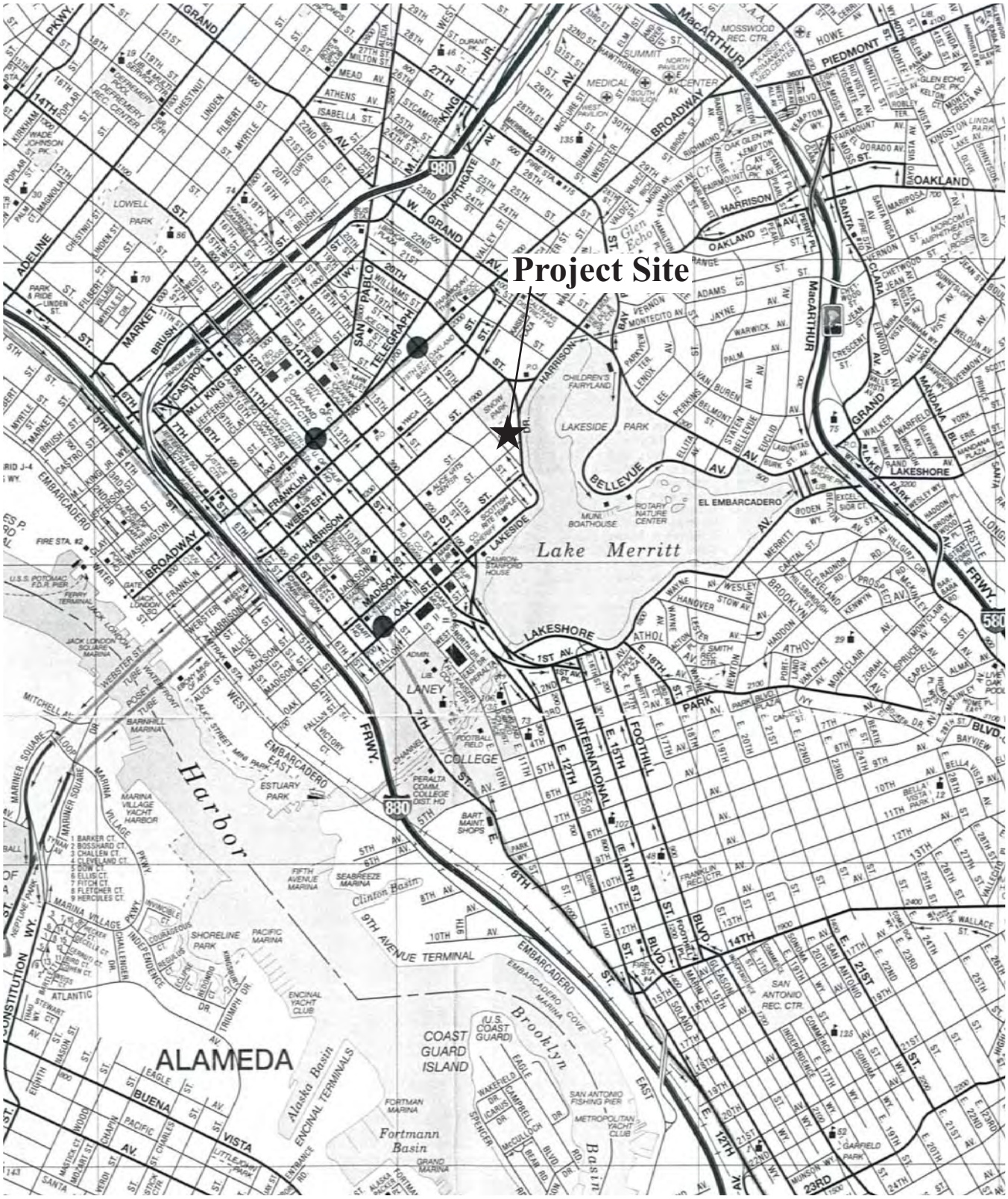
PANGEA Environmental Services, Incorporated (Pangea), 2007, Groundwater Monitoring and Remediation Summary Report – Fourth Quarter 2007, Douglas Parking Company, 1721 Webster Street Oakland, California, ACEH File No. 129, 13 November.

Treadwell & Rollo, Incorporated, 2006, Revised Preliminary Geotechnical Recommendations, 244 Lakeside Drive, Oakland, California, 3 February.

FIGURES

REGIONAL LOCATION

Figure 1



19th Street Residential Condominium Project
Oakland, California

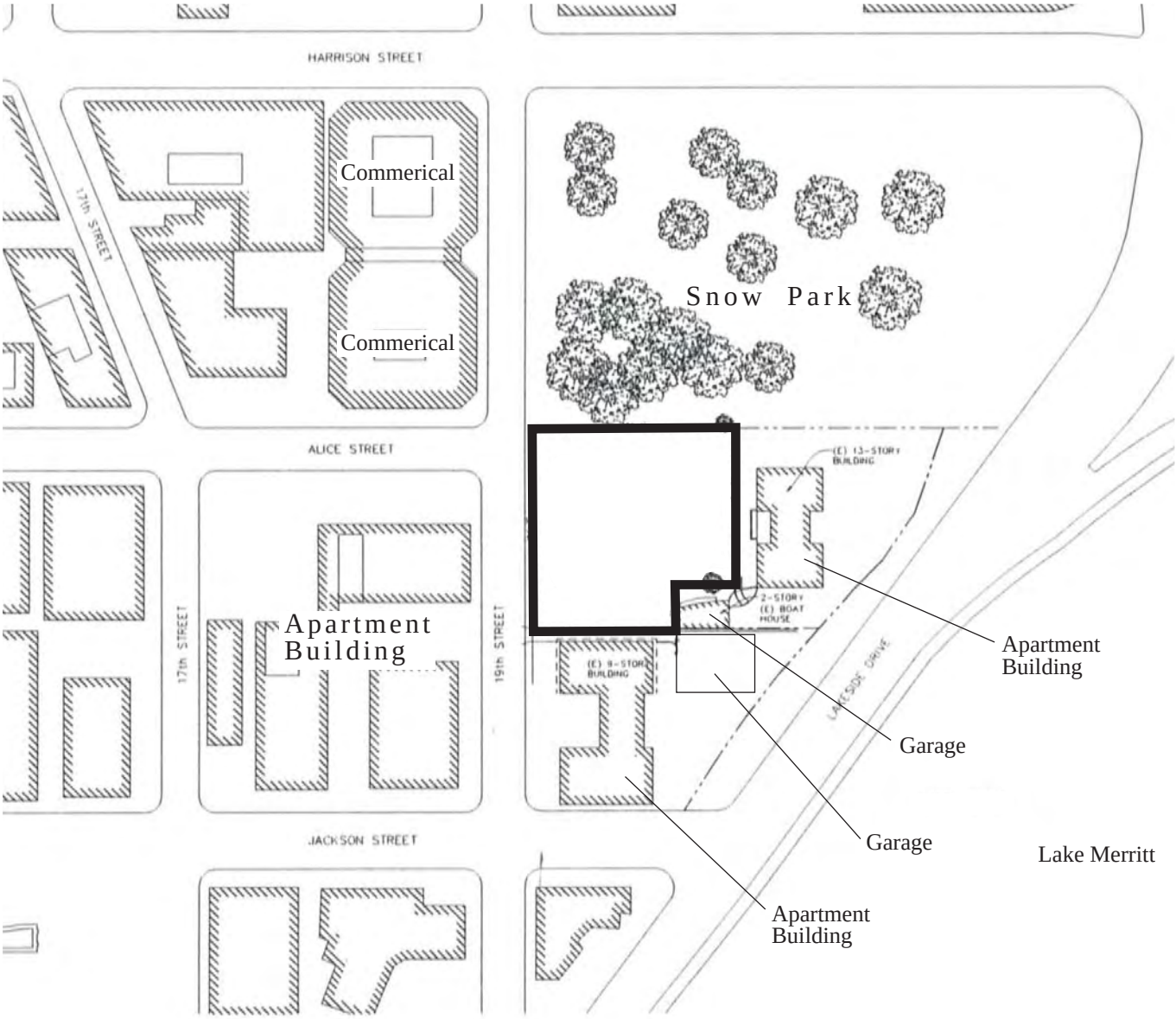
Base map: AAA Map, Oakland.

BASELINE

Y6253.00462.Fig1.cdr 5/6/08

PROJECT SITE

Figure 2



Legend

Project Site Boundary

19th Street Residential Condominium Project
Oakland, California

Source: Ibta; 2006.

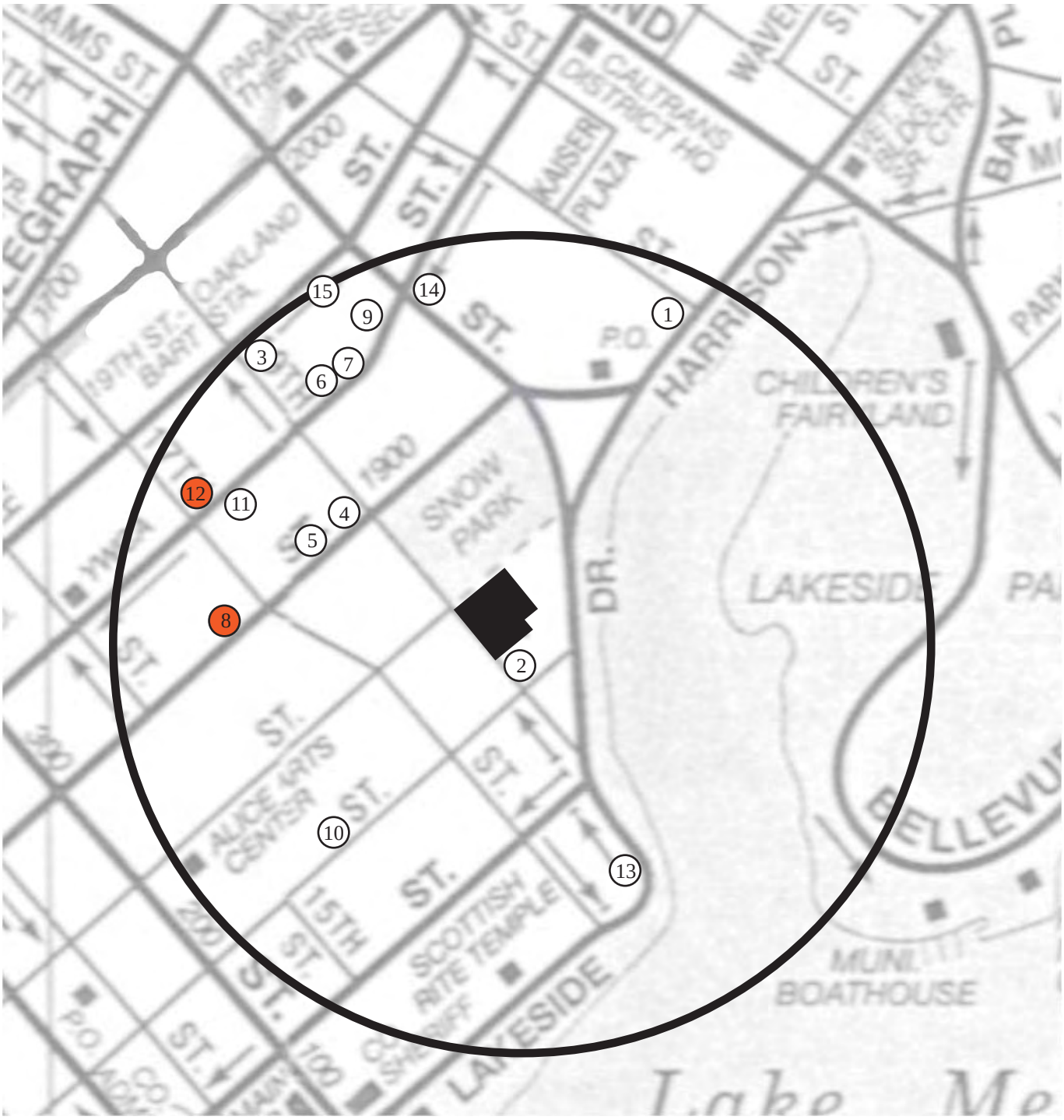
0 150 Feet

BASELINE

Y6253.00462.Fig2.cdr 5/6/08

SITES ON REGULATORY DATABASES WITHIN ONE-QUARTER MILE OF THE PROJECT SITE

Figure 3



Legend

1	Site on Regulatory Databases
12	Release Site under Active Regulatory Oversight
▬	One-Quarter Mile Radius
◆	Project Site

Note:

See Table 1 for Site Names, Addresses, and Status.

19th Street Residential Condominium Project
Oakland, California

Source: EDR, 2008.

0 500 Feet

BASELINE

Y6253.00462.Fig3.cdr 5/21/08

PHOTOGRAPHS FROM SITE RECONNAISSANCE APRIL 2008

Figure 4



Photo 4a: Central lawn area and garden to the south of the Project site.



Photo 4b. Interior of garden shed.

PHOTOGRAPHS FROM SITE RECONNAISSANCE Figure 5
April 2008



Photo 5a. Interior of green house, with submersible pump on table.



Photo 5b. Adjoining property to the north, with garage and a stairway that leads onto the project site.

TABLE

TABLE 1: Sites on Regulatory Databases within One-Quarter Mile of the Project Site
19th Street Residential Condominium Project, Oakland, California

Site Location	Site Name	Site Address	Database	Status
1	KAISER CENTER	300 LAKESIDE DR	RCRA-LQG; HIST UST; SWEEPS UST; EMI; HAZNET; CS ALAMEDA; CORTESE; LUST	Registered as a large quantity generator of RCRA hazardous waste. Four historic and five active USTs of various sizes registered at the site. Listed on BAAQMD's Toxics Inventory from 1997 through 2004. Disposed of waste containing asbestos, organic, and inorganic compounds. Reported release of gasoline affecting groundwater in 1991. Case closed in 1993.
2	REGILLUS CONDOMINIUMS	200 LAKESIDE DR	HAZNET; CORTESE	Disposed of 2.75 tons of organic waste to a landfill. No additional information regarding the release was provided in the database report.
3	KAISER REGIONAL PARKING	1901 FRANKLIN ST	CORTESE	No additional information regarding the release was provided in the database report.
4	VACANT LOT	1881 HARRISON ST	HIST UST; FID; SWEEPS UST	One active and one historic UST registered at the site.
5	19TH & HARRISON ST.	1833 HARRISON ST	HIST UST; FID; SWEEPS UST	A 550- and a 5,000-gallon USTs were previously registered at the site. The site is an active UST location. A 550- and a 5,000-gallon USTs are registered at the site.
6	PG&E REGIONAL HEADQUARTERS	1919 WEBSTER ST	HIST UST; FID; CORTESE	One historic and one active UST registered at the site. No additional information regarding the release was provided in the database report.
7	KAISER FOUNDATION HEALTH PLAN	1935 WEBSTER ST	SWEEPS UST; HIST UST	The site is an active UST location. A 6,000-gallon UST used for storage of diesel is registered at the site. A 5,000-gallon UST used for diesel storage was previously registered at the site.
8	CHEVRON	1633 HARRISON ST	CS ALAMEDA; CORTESE; LUST	Reported release of gasoline affecting groundwater in 1987. The site is under active regulatory oversight.
9	MOBIL	1975 WEBSTER ST	CS ALAMEDA; CORTESE; LUST	Reported release of gasoline affecting groundwater in 1990. Case closed in 1997.
10	LAKEHURST HOTEL	1569 JACKSON ST	CS ALAMEDA; CORTESE; LUST	Reported release of diesel affecting soil only in 1996. Case closed in 1997.
11	PARKING LOT	1750 WEBSTER ST	SLIC; CS ALAMEDA	Case is closed. No additional information regarding the release was provided in the database report.

TABLE 1 - *continued*

Site Location	Site Name	Site Address	Database	Status
12	DOUGLAS MOTOR SERVICE	1721 WEBSTER ST	HIST UST; CS ALAMEDA; FID; CORTESE; LUST; SWEEPS UST	A 500- and a 1,000-gallon USTs were previously registered at the site. Reported release of gasoline affecting groundwater in 1993. The site is under active regulatory oversight. Three USTs used for storage of petroleum are registered at the site. Information regarding the status of the USTs was not provided in the database report.
13	LAKE POINT TOWERS LIMITED	101 LAKESIDE DR	CORTESE; LUST	Reported release of diesel affecting soil only in 1986. Case closed in 1989.
14	LONGS DRUG STORE NO 386	344 20TH ST	RCRA-SQG	Registered as a small quantity generator of RCRA hazardous waste.
15	BLUE CROSS BUILDING	1950 FRANKLIN ST	HIST UST; HAZNET; SWEEPS UST; RCRA-SQG	A 5,000-gallon UST used for storage of diesel was previously registered at the site. Disposed of photochemicals/photoprocessing wastes and wastes containing asbestos and inorganic compounds. The site is an active UST location. A 5,000-gallon UST used for storage of diesel is registered at the site. Registered as a small quantity generator of RCRA hazardous waste.

Source: EDR, 2008
Notes:
See Figure 3 for site locations.
The EDR Radius Map report is included in Appendix F.
CORTESE = a listing of sites designated by the State Water Resource Control Board, the Integrated Waste Board, and the Department of Toxic Substances Control. This listing is no longer updated by the state.
CS ALAMEDA = Alameda County Contaminated Site List of hazardous materials release sites.
EMI = Emissions Inventory database for toxics and priority pollutants collected by the state and air districts. The Bay Area Air Quality Management District (BAAQMD) is the local agency with jurisdiction over the Project site.
FID = state database of active and inactive underground storage tanks
HAZNET = state database of hazardous waste shipments based on manifest data.
HIST UST = state database of historical underground petroleum storage tank sites.
LUST = state database of leaking underground petroleum storage tank sites.
RCRA-LQG = a database of sites that generates, transports, stores, treats, and/or disposes of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). The database includes sites that generate over 1,000 kilograms of hazardous waste, and/or over one kilogram of acutely hazardous waste per month.
RCRA-SQG = small quantity generators generating between 100 kilograms and 1,000 kilograms of hazardous waste (as defined by the RCRA) per month.
SLIC = California Regional Water Quality Control Board (Water Board) database of sites affected by spills, leaks, investigations, and cleanup.
SWEEPS UST = a listing of underground storage tanks under the Statewide Environmental Evaluation Planning System. This listing is no longer updated or maintained.

APPENDIX A

Historical Aerial Photographs

The EDR Aerial Photo Decade Package

19th Street Residential Tower Project
222 19th Street
Oakland, CA 94612

Inquiry Number: 2085640.5

November 27, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography November 27, 2007

Target Property:

222 19th Street

Oakland, CA 94612

Year	***Scale***	***Details***	***Source***
1939	Aerial Photograph. Scale: 1"=555'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1958	Aerial Photograph. Scale: 1"=555'	Flight Year: 1958	Cartwright
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1982	Aerial Photograph. Scale: 1"=690'	Flight Year: 1982	WSA
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS


INQUIRY #: 2085640.5
YEAR: 1939
= 555'
N


INQUIRY #: 2085640.5
YEAR: 1946
= 655'
N


INQUIRY #: 2085640.5
YEAR: 1958
= 555'
N


INQUIRY #: 2085640.5
YEAR: 1965
= 333'
N
EDR Environmental Data Resources Inc


INQUIRY #: 2085640.5
YEAR: 1982
= 690'
N


INQUIRY #: 2085640.5
YEAR: 1993
= 666'
N


INQUIRY #: 2085640.5
YEAR: 1998
= 666'
N

APPENDIX B

City Directory Information

The EDR-City Directory
Abstract

19th Street Residential Tower Project
222 19th Street
Oakland, CA 94612

Inquiry Number: 2085640.6

Tuesday, November 27, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

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EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2002. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

This report compiles information by geocoding the subject properties (that is, plotting the latitude and longitude for such subject properties and obtaining data concerning properties within 1/8th of a mile of the subject properties). There is no warranty or guarantee that geocoding will report or list all properties within the specified radius of the subject properties and any such warranty or guarantee is expressly disclaimed. Accordingly, some properties within the aforementioned radius and the information concerning those properties may not be referenced in this report.

Date EDR Searched Historical Sources: November 27, 2007

Target Property:
222 19th Street
Oakland, CA 94612

Year	Uses	Source
1920	Address Not Listed in Research Source	R. L. Polk & Co. of California
1925	Address Not Listed in Research Source	R. L. Polk & Co. of California
1926	Address Not Listed in Research Source	R. L. Polk & Co.
1928	Address Not Listed in Research Source	Unknown
1932	Address Not Listed in Research Source	R. L. Polk & Co. of California
1933	Address Not Listed in Research Source	R. L. Polk & Co.
1938	Address Not Listed in Research Source	Pacific Telephone
1940	Address Not Listed in Research Source	R. L. Polk & Co.
1943	Address Not Listed in Research Source	R. L. Polk & Co.
1945	Address Not Listed in Research Source	The Pacific Telephone & Telegraph Co.
1946	Address Not Listed in Research Source	R. L. Polk & Co.
1950	****19TH****	The Pacific Telephone & Telegraph Co.
	SPATS CHAS R R (222)	
1951	Address Not Listed in Research Source	R. L. Polk & Co.
1954	Address Not Listed in Research Source	R. L. Polk & Co. of California
1955	Address Not Listed in Research Source	R. L. Polk & Co.
1956	Address Not Listed in Research Source	Pacific Telephone

Year	Uses	Source
1959	Address Not Listed in Research Source	R. L. Polk & Co.
1960	Address Not Listed in Research Source	Pacific Telephone
1962	Address Not Listed in Research Source	Pacific Telephone
1965	Address Not Listed in Research Source	R. L. Polk & Co.
1967	Address Not Listed in Research Source	R. L. Polk Co.
1970	Address Not Listed in Research Source	R. L. Polk & Co.
1973	Address Not Listed in Research Source	Pacific Telephone
1975	Address Not Listed in Research Source	Pacific Telephone
1976	Address Not Listed in Research Source	R. L. Polk & Co.
1979	Address Not Listed in Research Source	Pacific Telephone
1980	Address Not Listed in Research Source	Pacific Telephone
1982	Address Not Listed in Research Source	Pacific Telephone
1984	Address Not Listed in Research Source	Pacific Bell
1986	Address Not Listed in Research Source	Pacific Bell White Pages
1991	Address Not Listed in Research Source	Pacific Bell White Pages
1992	Address Not Listed in Research Source	Pacific Bell Directory
1996	Address Not Listed in Research Source	Pacific Bell Directory
2000	Address Not Listed in Research Source	Pacific Bell
2002	Address Not Listed in Research Source	PACIFIC BELL

Adjoining Properties

SURROUNDING

Multiple Addresses
Oakland, CA 94612

Year	Uses	Source
1920	**ALICE WAY**	R. L. Polk & Co. of California
	GATES A W R (1800)	
	LEWIS MRS N P R (1805)	
	DYER MRS ELLEN I R (1809)	
	TAKATA R R (1810)	
	MORGAN GEO C R (1814)	
	HENION H S R (1817)	
	QUICK ANNETTE R (1817)	
	WINCHCOMB MRS E R (1821)	
	SCHOENBERG MRS M R (1835)	
	CRELLIN THOS R (1836)	
	HARRISON ST	R. L. Polk & Co. of California
	COLLINS D EDW R (1804)	
	KRUEGER MRS GRACE R (1805)	
	YORKER MRS E D R (1811)	
	GRAY MISS PEARL R (1817)	
	MARSILY GEO J G R (1818)	
	DOIDGE M J R (1824)	
	CORBETT MRS THOS R (1825)	
	RUTHERFORD DAVID R (1830)	
	BELL MRS MYRTLE R (1904)	
	WADSWORTH MRS L T R (1922)	
	EDWARDS A F R (1923)	
	BALDWIN MRS R G R (1929)	
	CUTTING F P R (1930)	
	FOELKER O G R (1933)	
	JACKSON ST	R. L. Polk & Co. of California
	BROWN R G R (1889)	
	MCHURON A H R (1899)	
	19TH ST	R. L. Polk & Co. of California
	HALL MRS MAUDE R (187)	
	IMURA FRANK B R (274)	
	LOWDEN E KENNETH R (274)	
	MORRIS MRS L R (277)	
	GREGORY MRS F WILKIE R (289)	
	WILKIE GEORGINA IRVING R (289)	
1925	**ALICE WAY**	R. L. Polk & Co. of California

Year	Uses	Source
1925	(continued)	
	WESTPHAL J C R (1800)	
	HOGAN J J R (1805)	
	BOYCE MRS ANNA R (1809)	
	KAWAKATSU M R (1810)	
	DEUPREE E H R (1814)	
	MORGAN MISS H D R (1814)	
	HOGAN MRS DOROTHY R (1817)	
	HAYWOOD MURRAY R (1821)	
	THOMPSON A B (1835)	
	HARRISON ST	R. L. Polk & Co. of California
	BARTON CLAUDE B ARCHT (1804)	
	POLLARD W H JR DECTR (1804)	
	CAMBY MRS MARY R (1805)	
	MURRAY F E R (1811)	
	ANDRADE B R (1817)	
	COBBLEDICK JAS H CO DECTR & PNTR (1818)	
	DOIDGE M J R (1824)	
	BECHER MRS ANNA R (1825)	
	RUTHERFORD DAVID R (1830)	
	BEMIS L R (1839)	
	LOGAN MISS G A R (1904)	
	MCKINLEY LAURA J R (1922)	
	EDWARDS A F R (1923)	
	HARPER M M METHOD HAIR SHOP (1929)	
	KECK AGNES E (1929)	
	ASSOCIATED CHARITIES OF OAKLAND (1930)	
	FELTON RAY B R (1933)	
	JACKSON	R. L. Polk & Co. of California
	BROWN MISS FLORINNE R (1889)	
	EVERTS MRS LILLIAN BROWN R (1889)	
	KOENIG MAX W R (1899)	
	ALDWORTH E H R (1906)	
	BACON IRENE H R (1906)	
	JORDAN DR F R R (1906)	
	LOUCKS ROY C R (1906)	
	RABINOWITZ ABE R (1906)	
	SHAY F M R (1906)	
	STARRETT DANVILL W R (1906)	
	VANDER WEYDE F K R (1906)	
	WATSON SYDNEY R (1906)	
	E 19TH ST	R. L. Polk & Co. of California
	HEATON N T R (239)	

Year	Uses	Source
1925	(continued)	
	19TH ST	R. L. Polk & Co. of California
	CITY AND COUNTY OFFICES (274)	
	BEARDSLEY MRS J H R (277)	
	GREGORY MRS F WILKIE R (289)	
	WILKIE GEORGINA IRVING R (289)	
1926	Address Not Listed in Research Source	R. L. Polk & Co.
1928	**E 17TH ST**	Unknown
	CRETE ALF M ETHEL AUTO PNTR H (220)	
	17TH ST	Unknown
	GIVANOVLCH NICH P MNRY N PNUR H (158)	
	ALICE WAY	Unknown
	H JOHN R SLSMN ARMOUR & CO R (1637)	
	CO RUSSELL PHARM O N STIER R (1800)	
	WESTPHAL FRED R (1800)	
	WESTPHAL HAROLD S PNTR R (1800)	
	WESTPHAL JOHN C ADA H (1800)	
	CHAS CLYDE A ELK R (1805)	
	FILTER CHAS R (1805)	
	PABLO CHAS 0 GLADYS CLK R (1805)	
	STEVE EDNA M LEATHER CTR H (1805)	
	WOODWORTH W T AUTO MECH R (1805)	
	BOLDT BERTINA COOK R (1805)	
	BOLDT OATH B MRS (1805)	
	BURNEY GEO H (1809)	
	JOS JOSEPHINE MRS R (1809)	
	POOR CLARENCE H IRENE ENG H (1809)	
	STONER CARIE MRS R (1809)	
	H WM B R (1809)	
	MONT J ROY PNTR R (1809)	
	VALE ROBT E OIL WKHREAR (1809)	
	FITZPATRICK BURCH ELK HOWARD TERMINAL R (1810)	
	FITZPATRICK EDW J BKPR WM CAVALIER &C CO R (1810)	
	GERSHICK JOS D ELK OSGOOD BROS R (1810)	
	HANNAH JUSTIN T ELK PERSONAL FINANCE CO R (1810)	
	HARRLEL I CLK SHERMAN CLAY S CO R (1810)	
	JEFFRIES ALICE CLK PG&ECO R (1810)	
	MILTON E MACH R (1810)	
	N FRED B MAYMIE THE WENDTWORTH H (1810)	
	RS MAE R (1810)	
	RICHD W LINO OPR R (1810)	

Year	Uses	Source
1928	(continued)	
	THRASHER DONALD E ROSE SOLR GT WESTN INVESTIGATING & COLLN B (1810)	
	WWM WM L CLK SHERMAN CLAY & CO R (1810)	
	WENDTWORTH THE FURN RMS (1810)	
	AV HAROLD STDT R (1810)	
	H FRANCES TCHR OPS R (1810)	
	WAY LAWRENCE B STDT R (1810)	
	AWNING MARGT WID LAWRENCE H (1814)	
	LONGRIDGE CLARA MUSIC TCHR R (1814)	
	OPTICAL BEATRICE B WITH PG&ECO R (1814)	
	RUEL ADA MRS R (1814)	
	AV JOHN V PRINT R (1814)	
	COURT GRACE MRS R (1814)	
	TF HELEN BKPR GERWINS R (1814)	
	BURKE HARRY E WITH PG&ECO R (1817)	
	BURKE HARRY R (1817)	
	CO ELLZ C MRS H (1817)	
	DORA MRS R (1817)	
	HENRY ESTHER 0LK CALIF TRANSIT CO R (1817)	
	R (1817)	
	BELLA WM R (1821)	
	JOHN R (1821)	
	KINTSEL ROBT R (1821)	
	PUCKETT CHAS H MARY LAB H (1821)	
	TRENT EVELYN WRITER R (1821)	
	H MURRAY KATE P H (1821)	
	Q GEO R (1821)	
	THORNE THOS R (1821)	
	BENADOM ROWENA DMNSTR H C OAPWELL CO R (1825)	
	BAEIMAN HENRY A SOLR R (1835)	
	BELAYEFF ALICE M MRS TCHR OPS H (1835)	
	E ROBT R (1835)	
	FOOTHILL JOHN H ONA A EN 1 H (1835)	
	FOURNIER JENNIE MRS SLAWMN R (1835)	
	LEWISON WWM W RL R (1835)	
	R (1835)	
	WHIT IDA M MRS CHIRO (1835)	
	CV GRACE R (1835)	
	CRELLN ANNE J WID THOS H (1836)	
	CRELLN MONA R (1836)	
	GRIFFITH FORREST F CHAUF R (1836)	
	HARRISON AVE	Unknown

Year	Uses	Source
1928	(continued)	
	TREVOR W H G DEPT MGR WESTERN HOUSING CORP R (1923)	
	****HARRISON CT****	Unknown
	TIIERNES M B NURSE R (1817)	
	DR JOS E ANNA BRKMN H (1830)	
	****HARRISON RD****	Unknown
	26TH HP R (1805)	
	****HARRISON ST****	Unknown
	ANNA MRS H (1804)	
	ELMER JESSE B R (1804)	
	KARL BARBER R (1804)	
	KENT BLANCHE MRS DRSMK R (1804)	
	KREMKOU GRACE M MRS R (1804)	
	AV LAURA STEN FRANKLIN TENNANT MOTOR CO R (1804)	
	WAY FREDK F CLARA H (1804)	
	CO ROY G WHSEMN R (1805)	
	JOHN R (1805)	
	RUSE MARVEL MRS CIK MUTUAL STORE R (1805)	
	CO JOHN R JR AUTO MECH R (1811)	
	H GEO A FRANCES E SLSMN H (1811)	
	LANSDALE LEON B CASTLE MUSICIAN H (1811)	
	SEIFER MADELINE OLK R (1811)	
	DR JAS F DOROTHY AUTO MECH R (1811)	
	ERLY MADALINE CLK B F SCHLESINGER & SONS R (1811)	
	ANDRADE BERNARD FURN RMS H (1817)	
	GRANT WM H MARION SLSMN H (1817)	
	NEELY B F SLSMN R (1817)	
	REITER ERNEST E REAL EST R (1817)	
	WRAY N LUCELLE H (1817)	
	R B C CATERER R (1817)	
	BONAR ERNESTINE STEN OPS R (1818)	
	L RHEA ELK YWCA R (1818)	
	RAUKOHL CLARA E BUS SEC YWCA R (1818)	
	SECR DOROTHY STEN CONNECTICUT MUTUAL LIFE INS CO R (1818)	
	YERAMIAN RALPH VULC R (1824)	
	YERAMIAN SATENIG CLK S H KRESS & CO R (1824)	
	FRANCISCO EVA MACH OPR R (1825)	
	WOLVEKAMP MARIE E CHEMIST R (1825)	
	G 9J BECHER ANNIE WID ALBT H (1825)	
	H DANL EVA AUTO MECH H (1825)	
	VERSITY JESSE GENEVIEVE CARP H (1825)	
	KVALEN CARL ELLERINE H (1830)	

Year	Uses	Source
1928	(continued)	
	SAN RUTH H MRS ELK MARGT BURNHAM COTTAGE CANDIES R (1830)	
	UNIVERSITY HAROLD H ELK HOUSE OF CRANE R (1830)	
	H FLORA MRS R (1839)	
	MC KIIM ALBT BARBER R (1839)	
	SEMINARY LESTER ELLEN S CARP H (1839)	
	SEMINARY RAYMOND A MUSICIAN R (1839)	
	N ALBTL IAB (1839)	
	R ROY MARIE BARBER R (1839)	
	STER IDA MRS R (1839)	
	VALE IRA V R (1839)	
	WAND JOHN R (1839)	
	DEODAR INN A J TAYLOR (1923)	
	EARSMAN MARIE H (1923)	
	N AMMOND J MAIUD IDAR XINN R (1923)	
	RICHARDS ADDISON SLSMN R (1923)	
	VENTURA JOHN W R (1923)	
	CO WM D SLSMN JOHN BREUNER CO R (1929)	
	KECK AGNES BEAUTY PARLOR R (1929)	
	R (1929)	
	SANDLERS MARTIN C INSPR OKLD ELEC DEPT R (1929)	
	AV HARRY TAILO R (1929)	
	ASSOCIATED CHARITIES OF THE CITY OF OAKLAND (1930)	
	SAN WM P PEARL B GEN MGR MUTUAL BENEFIT INS CO H (1933)	
	****JACKSON****	Unknown
	FITZPATRICK DAISY MRS SMSTRS R (1810)	
	ER R G H (1889)	
	ALEXANDRIA APARTMENTS (1906)	
	ARENA JAS ARENA & CARLEN R (1906)	
	ARENA JOS P R (1906)	
	ARENA MARY MRS H (1906)	
	B474 12TH H (1906)	
	BELLINGHAIN ALF K CHF CLK OKLD BANK H (1906)	
	CO F RANDALL MARGT M H (1906)	
	CORP GUINEVERE L STEN CAL BLDRS CO R (1906)	
	H (1906)	
	H H H (1906)	
	HOISS HILDA TCHR OPS R (1906)	
	KEARFOTT MARY T H (1906)	
	MEDCU LORELDA STAN BL ORS HOW INC R (1906)	
	MEDCU PATK H (1906)	
	N HAYDON H (1906)	

Year	Uses	Source
1928	(continued)	
	ROY C H (1906)	
	STARRETT DANVILLE W MARY T WRITE R (1906)	
	AV ERMA B MRS MGR ALEXANDRIA APTS R (1906)	
	AV JASPER M ADA SLSMN H (1906)	
	H JAS C H (1906)	
	H WADE H (1906)	
	N WWM B H (1906)	
	SON FRED S ERMA B IMBRMN H (1906)	
	WNRE CLARENCO J CENEVLEVE PROSI MGR BUILDERS WNRE HIRCDWARE (1906)	
	****LAKESIDE DR****	Unknown
	BROME FREDK W MAY MGR THE STYLE SHOP H (244)	
	GARRETT H H (244)	
	TWO FORTY POUR LAKESLIDE DRIVE APARTMENT (244)	
	BLDG AND SEC CENTRAL OKLD BLOCK INC H (244)	
	FORD ROSCOE C MGR RHODES JAMIESOA CO H (244)	
	****MADISON AVE****	Unknown
	MARE MRS NURSE H (1716)	
	KENT C INOE M CLK RHODES JAMIEAON CO H (1804)	
	H KENT C INEZ M ELK RHODES JAMIESON CO H (1804)	
	****MADISON ST****	Unknown
	N C F V PRES F T WOOD CO R (1800)	
	****19TH ST****	Unknown
	A STANLEY B ETHEL H (212)	
	AVERY FRANK M H (212)	
	ADELINE FRED EDNA ENES R (212)	
	B VICTOR H H (212)	
	BENCINAL WILL C H (212)	
	BEHNOEMAN FREDK J H (212)	
	BUCHANAN CLAUDE R PRES BUCHANAN & RUSSELL INC H (212)	
	CO HELEN R (212)	
	DE ANNIE M H (212)	
	EVEY EVA L H (212)	
	F RANK J PRES MGR LAHER AUTO SPRING CO H (212)	
	FURTH DONALD ASST DEPT NGR H C CAPWELL CO R (212)	
	GALVIN NORA MRS H (212)	
	HALL ETHEL MRS MGR REGILLUS APTS H (212)	
	HEARD EUG N INS (212)	
	HEARNE ROBT R GERTRUDE R V PRES WICKHAM HAVENS INC H (212)	
	HEITMULLER HENRY D H (212)	
	HOLDER ERNEST PNTR REGILLUS APTS R (212)	

Year	Uses	Source
1928	(continued)	
	HOLDER NORMA OPR PT&TCO R (212)	
	INS EDW C ELMA H (212)	
	JOHN R (212)	
	KESSLER E MRS H (212)	
	M L H (212)	
	MANHELM PAUL B FLORILNE K PROS MANHEIM & MAZOR INC H (212)	
	MAUVAIS HELEN SEC PERFECTION NUTS INC (212)	
	MAUVAIS ROY H (212)	
	MAUVAIS ZENO SLSMN SUNSET LMBR CO R (212)	
	MIDGLEY REX H (212)	
	N LILIAN V MRS H (212)	
	POWELLI MARY B MRS H (212)	
	PRINCE JANITOR R (212)	
	R (212)	
	REGILLUS APARTMENTS MRS S B HALL MG R (212)	
	RODWELL JEFLRESS M H (212)	
	SANTALLIER FELIX H (212)	
	SCHOLL DAVID E BUYER B F SCHLESINGER & SONS H (212)	
	U EDITH PROS THE LATHAM FOUNDATION INC H (212)	
	W WM H ALICE H (212)	
	WM H MYRTLE H (212)	
	AV EDNA B TCHR BPS R (212)	
	AV EVA R (212)	
	AV LOUISE W H (212)	
	BER ARTH L BERTHA H (212)	
	H L C H (212)	
	H THOS W MAMIE MDSE MGR H C CAPWELL CO H (212)	
	NING LILA C H (212)	
	VALE GERTRUDE R (212)	
	MC EDW JR ALICE MC GURRIN & CO H (219)	
	GUADALUPE BERTHA PHOTOG R (274)	
	GUADALUPE HOMER R (274)	
	MAURICE HYDINE E CURATOR SNOW AFRICAN MUSEUM R (274)	
	SNOW AFRICAN MUSEUM NYDINE E SNOW CURATOR (274)	
	H DAISY M WID HENRY A H (274)	
	R HAROLD A MUSICIAN R (274)	
	JOHN JOHN PNTR R (277)	
	KEITH R V SLSMN R (277)	
	RUNCKEL MARY E MRS FURN RMS (277)	
	WESLEY C DRIVER R (277)	
	ALAMEDA CHAS A R (289)	
	BLYRD L TO O R (289)	

Year	Uses	Source
1928	(continued)	
	H OLIVER PKR R (289)	
	H WYTHE CARP R (289)	
	R MARY MRS H (289)	
	AV EDGAR D DOROTHY STATY ENG H (298)	
1932	Address Not Listed in Research Source	R. L. Polk & Co. of California
1933	**E 17TH ST**	R. L. Polk & Co.
	BENJAMIN MAURICE CLO CTR R (258)	
	ALICE WAY	R. L. Polk & Co.
	RUDDLE ALLEN R (1641)	
	FRIEND IDA NURSE H (1805)	
	GRIFFIN STEPH (EDNA) LEATHERWKR H (1805)	
	HUGHES GEO H (1805)	
	CARBALLOSA LUCIANO TCHR OKLD PUB SCH R (1809)	
	GILMER AUGUSTA F MRS H (1810)	
	BURT GEO W ASST MGR S H KRESS & CO R (1810)	
	ERGMAN LEO R (1810)	
	PALMER CLARENCE ARTIST R (1810)	
	ROCHESTER FRANK C PURCH AGT CAL CANNING PEACH GROWERS R (1810)	
	RUNCKEL MARY MRS H (1814)	
	JONES ALF WITH DEAN WITTER & CO R (1814)	
	JONES AUDREY SLSMN R (1814)	
	SIMPSON ALICE CLK R (1814)	
	SIMPSON ANNA C (SIMPSON COLLECTION SERVICE) R (1814)	
	ATKINSON OMAR H (1817)	
	DIEHL LAWRENCE S AUTO MECH H (1817)	
	REEA LORETTA CLK H (1817)	
	STAMP JOHN G (JOYCE) LAWYER H (1817)	
	DIEHL LORANCE S SPECIALIST OLIVER UNITED FILTERS R (1817)	
	ARTERBURN A B SIGN PNTR H (1821)	
	DUTEMPLE CARRIE H (1821)	
	ESTES GLENN RESTRWKR H (1821)	
	FALCONER MARY H (1821)	
	HAYWOOD MURRY (KATE) H (1821)	
	MOYNAHAN HOMER (DOROTHY) TYPESETTER H (1821)	
	VAUGH JEAN MRS H (1821)	
	WILCOX CHAS RESTRWKR H (1821)	
	JACKSON TURNER RESTRWKR R (1821)	
	WILCOX HOMER COOK R (1821)	
	BORENSON MARGT MRS H (1835)	
	CONWAY ELLEN MRS H (1835)	

Year	Uses	Source
1933	(continued)	
	GARLOUGH JOHN H REAL EST (1835)	
	GUTHRIE ROBINA COOK H (1835)	
	INDERBITZEN JULIA MRS H (1835)	
	KING FRED H (1835)	
	PINEO MARGT MRS NURSE H (1835)	
	PRICE ALFD PNTR H (1835)	
	SPEER HELEN NURSE H (1835)	
	ADAMS JOHN GLAZIER R (1835)	
	CONWAY JOS PNTR R (1835)	
	COOK JENNIE MRS NURSE R (1835)	
	PRICE GEO LAB R (1835)	
	CRELLEN MONA H (1836)	
	DIAMOND GRACE H (1837)	
	HARRISON ST	R. L. Polk & Co.
	BOYCE ANNA MRS H (1804)	
	BIGBY ROBT E R (1804)	
	HALVORSEN EDWIN H R (1804)	
	JOHNSON EVELYN WAITER R (1804)	
	MAGEE AUSTIN MSNGR R (1804)	
	MARTIN JACK R (1804)	
	PHIPPS RALPH R (1804)	
	PRISCO ARTH R (1804)	
	RICHARDS A D MUSICIAN R (1804)	
	WINCHELL ARTH H R (1804)	
	DUNPHY GEO P H REAR (1805)	
	WEBSTER HATTIE L MRS FURN RMS (1805)	
	ELLIOTT ROSA A MRS R (1805)	
	FITCH E W R (1805)	
	JAMESON SAUL L DRIVER R (1805)	
	LAURITSEN L M R (1805)	
	TRACY CATH (WID G E) R (1805)	
	MURRAY GEO A (FRANCES) SLSMN H (1811)	
	LANDSDALE LEON (CASSEL) MUSICIAN R (1811)	
	LANSDALE CASTLE CLK R (1811)	
	LYON DORIS B FURN RMS (1817)	
	ALBERTSTON ANNA R (1817)	
	DEMERATH PETER INK MFR R (1817)	
	GRONDONA CAESAR A PTRNMKR R (1817)	
	HEALEY THOS G (ALICE) SLSMN R (1817)	
	STOREY JAS (ADA) SLSMN R (1817)	
	WALSH INEZ STEN R (1817)	
	NEILL JOHN (ANNIE) H (1818)	
	CAPERS A B MECH MILLS SALES CO R (1818)	

Year	Uses	Source
1933	(continued)	
	GILLILAND ROBT LAND APPRAISER R (1818)	
	LOUSE BENJ CLK R (1818)	
	MCGRATH DANL BR MGR PUBLIC FOOD STORES R (1818)	
	MOFFETT JOHN CLK R (1818)	
	NELSON ALGOT CARP R (1818)	
	ROSEWARNE RALPH T CHAUF R (1818)	
	SCROGGINS ELMER AUTO MECH R (1818)	
	STINE CLINE SIGN PNTR R (1818)	
	YERAMIAN JOS (MARY) CHAUF H (1824)	
	YERAMIAN ARAJI CHAUF R (1824)	
	YERAMIAN RALPH R (1824)	
	YERAMIAN SAT CLK R (1824)	
	BECHER ANNIE MRS FURN RMS (1825)	
	KINCHLOE LILBURN BARBER R (1825)	
	PUSEY JOHN SLSMN R (1825)	
	SARGE JOHN RESTRWKR R (1825)	
	STORMS LILLIAN MRS SPIRITUALIST R (1825)	
	SULLIVAN GENEVIEVE M CASH B F SCHLESINGER & SONS R (1825)	
	SULLIVAN JESSE CARP R (1825)	
	WOLVEKAMP MARIE E CHEMIST R (1825)	
	MCDONALD THOS F (AGNES) APT MGR (1830)	
	FOWLER EDW G REV (H ADELLA) FURN RMS (1835)	
	ANDERSON PETER STOVE REPR R (1835)	
	BASQUETTE B MARGT MRS R (1835)	
	BASQUETTE JACK CLK R (1835)	
	CANTINO ANTONE R (1835)	
	HALLCEY WALTER JAN R (1835)	
	LEWIS LEONARD R (1835)	
	WEBSTER IDA MRS R (1835)	
	WILSON JOHN FACTYWKR R (1835)	
	QUINN HARRY J SLSMN L H BENNETT CO H (1839)	
	HIGGINS RUFUS M PHYS (1923)	
	EVERMAN THERESA (KECK & EVERMAN) H (1929)	
	KECK & EVERMAN (MRS AGNES KECK THERESA EVERMAN) BEAUTY SHOP (1929)	
	KECK AGNES MRS (KECK & EVERMAN) H (1929)	
	PARK EMILY NURSE R (1929)	
	STEEN MABEL TCHR OKLD PUB SCH R (1929)	
	STRETTINGER OTTO CLK R (1929)	
	ASSOCIATED CHARITIES OF THE CITY OF OAKLAND (1930)	
	JARVIS PEARL B (WID W P) MGR MUTUAL BENEFIT HEALTH & ACCIDEN (1933)	
	****JACKSON ST****	R. L. Polk & Co.

Year	Uses	Source
1933	(continued)	
	MCCAFFERY EUG F SLSMN JOHN BREUNER CO R (1659)	
	BROWN FLORINA H (1889)	
	EBBETTS LILLIAN B MRS R (1889)	
	KOENIG MAX W (LOUISE) (KOENIG & KROLL INV CO) H (1899)	
	BAUER GEO R (1899)	
	ALEXANDRIA APARTMENTS (1906)	
	BARNES EMMET S H (1906)	
	CHAMBON CARL M POLICE OPD H (1906)	
	ELLIOTT A L H (1906)	
	FITZSIMMONS PAULA MRS STEN FIRST NATL BANK H (1906)	
	HIRSCHMAN JOCELYN MRS H (1906)	
	HOLLINGSWORTH WADE MGR ATLAS EQUIPMENT CO H (1906)	
	JORDAN F RANDALL (MARGT) PHYS H (1906)	
	MARTINEZ JOHN T H (1906)	
	MILLER WM L (MABEL) (R C MILLER & SON) H (1906)	
	MONSON H KENNETH (HELEN F) CREDIT MGR NATL LEAD CO H (1906)	
	PAUL MABEL TCHR OKLD PUB SCH H (1906)	
	REYNOLDS PATRICIA DANCING TCHR (1906)	
	SWEENEY L MRS H (1906)	
	TANHUES PABLO L H (1906)	
	WELLS C N H (1906)	
	ELLIOTT LOU MRS CLK R (1906)	
	GUEVARA SERGIO L KITCHEN WKR R (1906)	
	HANSON ELEANOR H (1909)	
	****LAKESIDE DR****	R. L. Polk & Co.
	CARLSON ARTH W LAWYER R1502 (145)	
	DEALEY GEO L SLSMN E B FIELD CO R (145)	
	GORDON BEATRICE (WID M L) CIRCULATION MGR EAST BAY MASONIC N (145)	
	FOX J MRS SLSWN R (150)	
	KAISER JOHN B CITY LIBRARIAN AND SEC OAKLAND BOARD OF LIBRAR (151)	
	PARKER MABEL PRINCIPAL PARKER-GODDARD SECRETARIAL SCHOOL (151)	
	SHEA CORNELIUS J (BARBARA) DRUGS (151)	
	EKINS CHRYSTAL NURSE R (151)	
	LOVELL FLORA MRS DMNSTR R (151)	
	ROSENBERG TEO L ELEC CONTR (151)	
	SHAPRO ROY P UNIT MGR PENN MUT LIFE INS CO R (151)	
	SHEA GRACE M CLK R (151)	
	WILKES EVELYN EMP SAFEWAY STORES R (151)	
	BECHTEL KENNETH H (244)	
	BECHTEL STEPH L (LAURA) H (244)	

Year	Uses	Source
1933	(continued)	
	BECHTEL WARREN A (CLARA) H (244)	
	COMMUNITY APARTMENTS (244)	
	FONTAINE WM R ENG H (244)	
	GARRATT E C MRS H (244)	
	KNOWLAND JOS R (EMILY R) PRES TRIBUNE PUBLISHING CO H (244)	
	LORBER ALBT E H (244)	
	RIGNEY THOS F (ANNIE) TILE DLR (244)	
	SWAN SHERWOOD PRES SHERWOOD SWAN CO MGR B F SCHLESINGER & SO (244)	
	RIGNEY ARTH J SLSMN T F RIGNEY R (244)	
	****MADISON LN****	R. L. Polk & Co.
	KRIGBAUM J G DAVIS MRS DEPT MGR H C CAPWELL CO R (1800)	
	****MADISON ST****	R. L. Polk & Co.
	DUNNE FRANK W PRES F W DUNNE CO H (1800)	
	LAKE MERRITT HOTEL A WALLACE SMITH MGR (1800)	
	MAIDEN F BRUCE GENL MGR F BRUCE MAIDEN & COMPANY H (1800)	
	MCDOWELL SIBYL DEPT MGR H C CAPWELL CO H (1800)	
	FINK GEO B COLLECTIONS (1800)	
	KELVINGTON MINERVA BUYER B F SCHLESINGER & SONS R (1800)	
	MORAN JOS J (NELLIE H) REAL EST (1800)	
	NAYLOR HAROLD B PRES-GENL MGR FERRO ENAMELING CO R (1800)	
	ROBINSON CHAS H (MARGT M) ASST MGR LAKE MERRITT HOTEL R (1800)	
	SMITH A WALLACE (FRIEDA) MGR LAKE MERRITT HOTEL R (1800)	
	STEWART ARTH EMP SAFEWAY STORES R (1800)	
	WAHRHAFTIG MATT (MCKEE TASHEIRA & WAHRHAFTIG) R (1800)	
	WINEBERG ANAH C PHYS (1800)	
	****E 19TH ST****	R. L. Polk & Co.
	WILLIAMS CHAS A (WANDA) H (254)	
	****19TH ST****	R. L. Polk & Co.
	PIMENTEL JULIA MRS H (119)	
	ALEXANDER ANNIE H (212)	
	BLACKBURN PERCY L DOORMN REGILLUS APTS (212)	
	BRADY LILLIAN V MRS H (212)	
	BRATTON CURT AUTO MECH H (212)	
	BUCKNAM JOHN S (VIVIAN) DEPT MGR H C CAPWELL CO H (212)	
	CALLAWAY CLAUDE R H (212)	

Year	Uses	Source
1933	(continued)	
	CARR OWEN C V-PRES MORRIS PLAN CO H (212)	
	CLARK FRED (EDNA) ENG (212)	
	DONAHUE WM H (ANNIE) (DONAHUE HYNES & HAMLIN) PRES OKLD TITL (212)	
	DOWELL WALTER J (AUDREY) DENTIST R327 (212)	
	FURTH EDWIN H (ESTELLE) SEC CAPWELL SULLIVAN & FURTH H (212)	
	HALL STANLEY B (ETHEL) H (212)	
	HARRISON W L (ADELE) EMP SAFEWAY STORES H (212)	
	HEITMULLER HENRY D (OSSIE) H (212)	
	HOLDER ERNEST H PNTR H (212)	
	HOLT ROLAND G SUPVR PENN MUT LIFE INS CO H (212)	
	KELLOGG LOUISE H (212)	
	KESSLER EVA L MRS H (212)	
	LATHAM EDITH PRES LATHAM FOUNDATION FOR THE PROMOTION OF HUM (212)	
	LAWRENCE HARRY M (IRENE S) FORD AUTHORIZED SALES AND SERVICE (212)	
	LILJENCRANTZ GUY H (FLORINE) PHYS (212)	
	MARIS HOMER B (DOROTHY) H (212)	
	MCGURRIN EDW JR (ALICE) PRES-GENL MGR MCGURRIN MOTORS H (212)	
	MCMATH JOHN F (IRENE) DENTIST R706 (212)	
	PEARSON RALPH A W USA H (212)	
	POWELL MARY E MRS H (212)	
	REGILLUS APARTMENTS (212)	
	RHODES ALEX G (ELIZA) V-PRES RHODES & JAMIESON LTD H (212)	
	RODWELL JEFFRESS M H (212)	
	SANTALLIER FELIX (GABRIELLE) H (212)	
	VAWTER WM E (EMILY) CLK H (212)	
	WARSHAUER FRED H (212)	
	WOMBLE STANLEY G USN H (212)	
	WYATT S JAS CARP H (212)	
	BRADY WM J JR R (212)	
	CALLAWAY CLAUDINE R (212)	
	CARR HENRY R (212)	
	COLUMBUS LEO EMP REGILLUS APTS R (212)	
	FOSTER JOHN DOORMN REGILLUS APTS R (212)	
	HALL ETHEL MRS MGR REGILLIUS APTS R (212)	
	LONG GROVER C R (212)	
	MARIS DAVID R (212)	
	MARIS HOMER B JR R (212)	
	MCMATH JOHN F JR DENTIST R (212)	
	POWELL EVA R (212)	

Year	Uses	Source
1933	(continued)	
	ROBUS JANET MAID R (212)	
	ROBUS LYDA MAID R (212)	
	STREET EDITH STEN OKLD POST-ENQUIRER R (212)	
	WARSHAUER STEPHANIE R (212)	
	WYATT HUBERT R (212)	
	WYATT ROY R (212)	
	KESSLER KENNETH E (DOUGLAS S) (HEARD-KESSLER) R (219)	
	KESSLER KENNETH E (DOUGLAS S) (HEARD-KESSLER) R (219)	
	SHANNON JOHN J (ALICE) PNTR H (245)	
	OAKLAND CITY GOVERNMENT (274)	
	SNOW MUSEUM NYDINE E SNOW ASST CURATOR (274)	
	DUNLAP CATH MRS ATDT SNOW MUSEUM R (274)	
	SNOW NYDINE E ASST CURATOR SNOW MUSEUM R (274)	
	CARIAGA EUFEMIO BUSMN R (289)	
1938	****ALICE WAY****	Pacific Telephone
	FARWELL WM R (1800)	
	GRIFFIN STEVE R (1805)	
	GILMER A F MRS R (1810)	
	HOWARD KING T R (1814)	
	WEBSTER H L MRS (1817)	
	HAYWOOD MURRAY R (1821)	
	REIMANN H A R (1835)	
	ORDWAY FRANCES MARIE R (1836)	
	****HARRISON ST****	Pacific Telephone
	BOYCE ANNA MRS R (1804)	
	SHIRPSER DAISY R (1805)	
	MURRAY GEO A R (1811)	
	LYON DORIS B R (1817)	
	EIGHTEEN EIGHTEEN HARRISON BOARDING HOUSE (1818)	
	JOHNSON HILDA R (1818)	
	YERAMIAN A J R (1824)	
	HIGGINS R M DR (1923)	
	HOLMES JAMES S MRS R (1923)	
	HARPER M M METHOD HAIR SHOP (1929)	
	KECK AGNES E M M HARPER METHOD HAIR SHOP (1929)	
	UNITED STATES GOVERNMENT (1930)	
	JARVIS PEARL B MRS R (1933)	
	JARVIS WM P R (1933)	
	****JACKSON CT****	Pacific Telephone
	EVERTS LILLIAN BROWN MRS R (1889)	
	****JACKSON ST****	Pacific Telephone
	BROWN FLORINNE MISS R (1889)	

Year	Uses	Source
1938	(continued)	
	BRACKETT GEO S R (1899)	
	NOVY FREDERICK G JR MD (1899)	
	SAMSON PAUL C MD R (1899)	
	UNIVERSITY CLUB THE (1899)	
	BATES ALBERT J R (1906)	
	BATES RUTH C R (1906)	
	CHAMBON C M R (1906)	
	DUPONT W S R (1906)	
	GERLACH HARRIET C R (1906)	
	HOLLINGSWORTH WADE R (1906)	
	KESTENBLATT S R (1906)	
	KETSCHER ALVINA R (1906)	
	MONSON H K R (1906)	
	PAUL MABLE J MISS R (1906)	
	WATERMAN DORCAS R (1906)	
	****LAKESIDE DR****	Pacific Telephone
	SHEA C J R (151)	
	BECHTEL S D R (244)	
	BECHTEL W A MRS R (244)	
	CRELLIN M MISS R (244)	
	DINKELSPIEL L F MRS R (244)	
	FISHER R E R (244)	
	FONTAINE W R R (244)	
	HALL WHIPPLE S R (244)	
	HOWELL J MORTON MRS R (244)	
	JARVIS C F DR R (244)	
	KNOWLAND JOSEPH R R (244)	
	KNOWLTON FRANK B R (244)	
	LOHSE JOHN LOUIS DR R (244)	
	LOW H W R (244)	
	MACKENZIE G W R (244)	
	PEART LELA A R (244)	
	ROTHGANGER GEORGE DR R (244)	
	RUSSELL A S R (244)	
	SMITH F M R (244)	
	SPROUSE R A R (244)	
	SWAN SHERWOOD MRS R (244)	
	TWO-FORTY-FOUR LAKE SIDE DRIVE (244)	
	****MADISON ST****	Pacific Telephone
	GENTIS R A R (1800)	
	HOTEL LAKE MERRITT (1800)	
	JOHNS A MRS R (1800)	
	LAKE MERRITT HOTEL (1800)	

Year	Uses	Source
1938	(continued)	
	NOONAN FRED J R (1800)	
	WINEBERG ANAH CECELIA R (1800)	
	****19TH ST****	Pacific Telephone
	MORTON HARRY F R (212)	
	CITY OFFICES (274)	
	SNOW MUSEUM (274)	
1940	Address Not Listed in Research Source	R. L. Polk & Co.
1943	****17TH ST****	R. L. Polk & Co.
	CHU SAML W ANNETTE ACCT OKLD BD OF EDUC H (170)	
	R (201)	
	R (202)	
	R (204)	
	R (204)	
	R (204)	
	R (207)	
	R (211)	
	R (212)	
	R (212)	
	R (212)	
	R (216)	
	R (217)	
	R (218)	
	R (219)	
	R (220)	
	R (222)	
	R (222)	
	ATKINS GLORIA STEN R (240)	
	ALICE APARTMENTS (240)	
	BARADA KENNETH A PATRICIA H (240)	
	BARMUND MICKEY STEN H (240)	
	BAUM JOAN MRS H (240)	
	BIDWELL Q A CLK NSB H (240)	
	BUCKLEY RALPH T H (240)	
	COOPER EILEEN NURSE H (240)	
	HOFFMAN ALICE L CLK R (240)	
	HENNMUTH BESSIE STEN H (240)	
	HEROUX JAS A ALICE A H (240)	
	KENNEMUTH BESSIE J STEN PAC INDEMNITY CO R (240)	
	LAWSON K C BELLE BARTNDR H (240)	
	LEWIS ALF J THELMA MACH H (240)	
	LEWIS THELMA MRS MGR ALICE APTS R (240)	

Year	Uses	Source
1943	(continued)	
	LIND J W EMP NSB H (240)	
	LOUVAU NORMAN H (240)	
	MALASPINO HARRY DOROTHY ENGVR ONE & G CO R (240)	
	MC CRIGHT MARJORIE CLK R (240)	
	MC GLOTHIN T M SHIPYDWKR H (240)	
	MELASPINA M G H (240)	
	NAGLE E F EDITH H (240)	
	NAGLE EDITH A CLK R (240)	
	NELSON VERNON A MARY J H (240)	
	NIXDOR P A USN H (240)	
	RITTER VICTORIA CLK H (240)	
	SALYER RUTH WAITER H (240)	
	SHERRY KAY MRS MUSICIAN H (240)	
	SOWERS C E USA H (240)	
	TRAVAGLIO GENE H (240)	
	WEST GLORIA H (240)	
	WOLF GUY H (240)	
	WOOD DOROTHY H (240)	
	****ALICE ST****	R. L. Polk & Co.
	CARBOLLOSA LUCIANO R (1809)	
	DORMAN HELEN SMSTRS R (1809)	
	GRIFFIN STEVEN EDNA M SHOE MFR (1809)	
	HEAD MATIE MRS WAITER R (1809)	
	WATTENBERGER HATTIE MRS R (1809)	
	WHITMORE WILLIS H ORA M GARAGE ATDT H (1809)	
	ANDERSON CARL F H (1817)	
	ARROLLO MICHL SHIPYDWKR H (1817)	
	BEVERLEY APARTMENTS (1817)	
	CHURCH EVELYN MRS H (1817)	
	DARBY LON B YDMN SPCO H (1817)	
	GIOVANNONI BENJ MARY JAN H (1817)	
	GIOVANNONI MARY MRS MGR BEVERLEY APTS R (1817)	
	HOLMES RUSSELL SHIPYDWKR H (1817)	
	KIESLING BELLE MRS H (1817)	
	REED ARCHIE M DOROTHY STEELWKR R (1817)	
	RUSSELL MYRTLE MRS H (1817)	
	SLONEKER CLARICE R (1817)	
	SLONEKER DANL R (1817)	
	SLONEKER LOIS STEN H (1817)	
	BISSELL GRETA M TYPIST OKLD PUB LBRY R (1821)	
	CARSON MABEL L R (1821)	
	DENTON ETHEL MRS R (1821)	
	ENGSTROM RUDOLPH R (1821)	

Year	Uses	Source
1943	(continued)	
	HAYWOOD KATE P WID MURRY H (1821)	
	ZINKE WALTER R (1821)	
	BARNHILL JACK R (1835)	
	CONSIGNY GEO J R (1835)	
	CONWAY E C MRS R (1835)	
	COOK JENNIE MRS H (1835)	
	CUSHMAN JOHN MECH R (1835)	
	DUNCAN EDW H SLSMN R (1835)	
	ERICSON JOHN MUSICIAN R (1835)	
	GARLOUGH JOHN R (1835)	
	MOORE ROLAND F CNRYWKR R (1835)	
	PINEO MARGT MRS R (1835)	
	TATE WALTER R SLSMN R (1835)	
	TAYLOR B M MRS R (1835)	
	DAVIS IRMA C R (1836)	
	EL TOPO GUEST HOUSE (1836)	
	JACOBS BELLA MRS R (1836)	
	JACOBS JOY R (1836)	
	MURPHY RITA E BUYER CS & F R (1836)	
	ORDWAY FRANCES M MRS MGR EL TOPO GUEST HOUSE H (1836)	
	VIELBAUM FRANK R (1836)	
	****HARRISON ST****	R. L. Polk & Co.
	GIRON MARIE G LNDYWKR R (1804)	
	SCHRADER MARTIN E REAL EST H (1804)	
	WITTEMAN MELVIN C ELEV OPR R (1804)	
	GRAY THOS R MECH R (1805)	
	MARINO GERTRUDE MRS R (1805)	
	MC GLOTHLIN JAS IDA GUARD R (1805)	
	MORRISON THOS J DRIVER R (1805)	
	PRINK ALF E MAE PNTR H (1805)	
	THOMPSON HERBT M BAKER H (1805)	
	BANKS MARY H (1811)	
	DARNELL BARBARA R (1811)	
	MURRAY GEO A FRANCES SLSMN H (1811)	
	NORTON ETTA R (1811)	
	RIESTER JOHN R MECH R (1811)	
	THOMAS WILLA R (1811)	
	WYATT HUDSON B R (1811)	
	YORK PETER MECH R (1811)	
	ASHENBRENNER MARY MRS R (1817)	
	BESSETTI JACK IVA CLK H (1817)	
	CAMERON MABEL MRS STEN S P WILEY R (1817)	

Year	Uses	Source
1943	(continued)	
	FRINK MINNA WID E P R (1817)	
	LINDBERG OPAL CLK R (1817)	
	LYONS EMILY CLK R (1817)	
	MILLS WALTER ETHEL MECH R (1817)	
	PORTER GEO W MECH R (1817)	
	SANNER CLARA MRS R (1817)	
	TALLCHIEF GERALD MECH R (1817)	
	WILLIAMS LESTER E MECH R (1817)	
	WILSON FRANK R (1817)	
	ZELIFF ALICE MRS CLK R (1817)	
	BECRAFT D T R (1818)	
	BRIGLIA GEO R (1818)	
	BRUMBACK HAROLD R (1818)	
	CARY FRANK R (1818)	
	CATHEY CARROL R (1818)	
	DANE ROGER R (1818)	
	FRANKLYN W W R (1818)	
	FRAZIER E L R (1818)	
	HENNE OSCAR R (1818)	
	HILTON JOHN R (1818)	
	MC CORDIC ROBT R (1818)	
	MOSELY HOLLIS R (1818)	
	NEAL FRED R (1818)	
	OXFORD CARL R (1818)	
	PIERCE FLOYD R (1818)	
	PIERCE FRANK R (1818)	
	RAY FRANK R (1818)	
	SOUTHARD GORDON R (1818)	
	SCHACK DARYL R (1818)	
	SOUZA JOHN ARIETTA BARTNDR H (1818)	
	STINGER JACK R (1818)	
	STOCKHAM CARL R (1818)	
	THOMPSON CARL R (1818)	
	VALERIO ARTH R (1818)	
	VAN EVERN NATHANIEL R (1818)	
	KEVORKIAN RITA CLK R (1824)	
	KVORKIAN RITA M CLK R (1824)	
	YERAMIAN A JOS MARY SHIPYDWKR H (1824)	
	YERAMIAN SATENIG E CLK R (1824)	
	BALL JESSIE MECH R (1828)	
	BLISS MARSHALL S CLEMA GAS STA (1839)	
	BENSON MARY MRS R (1923)	
	BENJAMIN MICHL R (1923)	

Year	Uses	Source
1943	(continued)	
	FARRIER EMMA L R (1923)	
	SKEHENS EDW T GENEVA H (1923)	
	WARD THERESA R (1923)	
	BENNETT SHERMAN MECH R (1929)	
	DIETRICH HAROLD WELDER R (1929)	
	ELTZ JOS WELDER R (1929)	
	GRANT CHAS MECH R (1929)	
	JACKSON GERALD MECH R (1929)	
	JENSEN ROBT MECH R (1929)	
	KILLIN ROGER MECH R (1929)	
	LANNERS THOS MECH R (1929)	
	LARSON DAVID MECH R (1929)	
	LARIMER ELLSWORTH MECH R (1929)	
	LEIBICK BENJ MECH R (1929)	
	LOEDING ALBT MECH R (1929)	
	MARTIN JAS MECH R (1929)	
	NELSON DALE MECH R (1929)	
	PEASE RAYMOND MACH R (1929)	
	PYNE GEO MECH R (1929)	
	PIPKIN GRADY MECH R (1929)	
	PIPKIN ODIE MECH R (1929)	
	POLAND ARTH MECH R (1929)	
	RIISE WARREN ELECTN R (1929)	
	ROBERTS BERTHA M H (1929)	
	ROTHE CURT MECH R (1929)	
	ROTHE VICTOR R (1929)	
	SAMORE WM MECH R (1929)	
	SELSBACK THEO MECH R (1929)	
	SHERMAN ROY MECH R (1929)	
	THOMASTHON HARVEY MECH R (1929)	
	TOSCANO JOS MECH R (1929)	
	WILKINSON LOUIS B MECH R (1929)	
	WISHERD WENDELL MECH R (1929)	
	JARVIS CLARA M R (1933)	
	JARVIS PEARL B WID W P H (1933)	
	MOORE JOHN I MECH R (1933)	
	STRATTON WILBUR SLSMN R (1933)	
	WILLIAMS THEO L R (1933)	
	****JACKSON ST****	R. L. Polk & Co.
	MARTINE ARLETTA LABTY TECHN JACKSON LAKE HOSP H (1637)	
	BARTLETT W C STEREO POST ENQUIRER R (1659)	
	BROWN FLORINNE H (1889)	

Year	Uses	Source
1943	(continued)	
	EVERTS LILLIAN B MRS R (1889)	
	BRACKETT GEO S MGR UNIVERSITY CLUB H (1899)	
	DE VILLA JUAN CHEF R (1899)	
	PEARSON EDMUND M SEC TREAS GROVE REGULATOR CO R (1899)	
	SCHMIEGE LESTER C WITH US MARITIME COM R (1899)	
	SMITH CLARENCE S INS BROKER R (1899)	
	UNIVERSITY CLUB GEO S BRACKETT MGR (1899)	
	ALEXANDRIA APARTMENTS (1906)	
	ASHLEY AILEEN G CASH AETNA LIFE INS CO H (1906)	
	ASHLEY MARY MRS R (1906)	
	BANNOW ROBT PHYS H (1906)	
	BEHRENS HERMAN F NADINE H (1906)	
	BUEHL W A H (1906)	
	CARLSON HARRY M HILDA COST ENG AETNA LIFE INS CO H (1906)	
	CARLSON HILDA M MRS BKPR AETNA LIFE INS CO R (1906)	
	GRISTE PAUL H (1906)	
	HUTCHINSON DONALD SUPVR MW & CO R (1906)	
	HOLLIDAY W S ETHEL H (1906)	
	KESTENBLATT SAML MENS CLO H (1906)	
	KETSCHER ALVINA A WITH CAL CAP CO H (1906)	
	LYON H D H (1906)	
	OWEN DONALD RUTH H (1906)	
	QUININGBOROUGH J MABEL ASST TREAS PAC RUBBER & TIRE MFG CO R (1906)	
	SAUNDERS MARIGOLD N MRS H (1906)	
	SMITH ELNA E MRS MGR ALEXANDRIA APTS R (1906)	
	SMITH HENRY A ELNA E PRES GALEN CO H (1906)	
	STERN GEO HARRIET H (1906)	
	TONGEES WM DOROTHY WRITER H (1906)	
	WILSON C W CATH H (1906)	
	WILSON CEDRIC W MECH ENG PARAFFINE COS R (1906)	
	****LAKESIDE DR****	R. L. Polk & Co.
	BARNARD L B MRS H (244)	
	BARNARD LEONARD PHYS H (244)	
	BECHTEL CLARA R (244)	
	BECHTEL S D H (244)	
	CRELLIN MONA H (244)	
	DEAN JOHN DORIS R (244)	
	FONTAINE W R H (244)	
	GELLERSEN WM A MABEL H (244)	
	GREENLEE F S MRS H (244)	
	HALL WHIPPLE S MRS H (244)	

Year	Uses	Source
1943	(continued)	
	IVES MARTHA F MRS MGR LAKESIDE DRIVE APTS H (244)	
	KNOWLAND JOSEPH R EMELYN S PRES TRIBUNE PUBLISHING CO H (244)	
	LAKESIDE DRIVE APARTMENTS (244)	
	LOHSE JOHN L MARION PHYS H (244)	
	LOW HERBT W BERNICE PRES DAIRYMAID CREAMERIES LTD H (244)	
	PEART LELA A MRS R (244)	
	PENTER MORRIS A PUBLR H (244)	
	PROST HUBERT G IRMA M LAWYER H (244)	
	RUSSELL A S H (244)	
	SHELTON T E MRS H (244)	
	SIMPSON JOHN L H (244)	
	SMITH EVELYN E MRS PRES WEST END CHEMICAL CO R (244)	
	SMITH F M MRS H (244)	
	SWAN SHERWOOD HELEN PRES DOWNTOWN MERCHANTS PARKING ASSN PRE (244)	
	TUTT E R MRS H (244)	
	WHITE C A H (244)	
	****MADISON ST****	R. L. Polk & Co.
	CROUCH CHAS PRES GENL MGR LUCKY STORES INC H (1800)	
	GENTIS R A DIV SUPT PG & E CO R (1800)	
	HORNER MARSHALL K JOEAN MANAGER ROOS BROS INC H (1800)	
	****E 19TH ST****	R. L. Polk & Co.
	ADA APARTMENTS (222)	
	****19TH ST****	R. L. Polk & Co.
	R (203)	
	R (205)	
	ROBERTS FRANK E WITH POST ENQUIRER H (208)	
	ALEXANDER ANNIE M H (212)	
	ARNETT ROE L ANN V PRES SPRINGFIELD CEDAR CO H (212)	
	BAILEY A T H (212)	
	BECKWITH PALMER H (212)	
	BILLS FRED J HELEN HILDEBRAND BILLS & MC LEOD H (212)	
	BLACKBURN PERCY L JAN OKLD PUB LIBRY R (212)	
	BRAGG FRANCES F R (212)	
	BRAGG GEO H AMELIA CIV ENG H (212)	
	BROWN ANNIE F H (212)	
	BUTLER LUETTA H (212)	
	CARR ELLERY H (212)	
	CHICHESTER H D H (212)	
	CRAIG J REED KATH W CRAIG OIL CO H (212)	
	DAHL CHESTER MRS H (212)	

Year	Uses	Source
1943	(continued)	
	DOWELL WALTER J AUDREY DENTIST H (212)	
	FLESHER CARL W LUZ M DIRECTOR U S MARITIME COMMISSION H (212)	
	FONTAINE BARBARA R (212)	
	FONTAINE PIERRE A LAWYER H (212)	
	FITE W C H (212)	
	FLINT MARION R (212)	
	GILLIG CHESTER H ELSIE H (212)	
	HESS MARY V R (212)	
	HESS PHILIP H MADELINE H (212)	
	HANSON MATTIE H (212)	
	HARRISON W L ADELA H (212)	
	HAUGH J L PRES PACIFIC CITY LINES INC H (212)	
	HAVRE DORIS MRS H (212)	
	HEITMULLER HENRY D H (212)	
	HOLT ROLAND G H (212)	
	ISHOP BERTHA H (212)	
	JOHNSON HILDA H (212)	
	JONES ALBT H (212)	
	JANOSIK MARGIT TAILOR LOUIS SCHEELINE H (212)	
	JONES G RAY FRANCES J REG MGR GENL MOTORS CORP H (212)	
	JONES MARTHA H (212)	
	JOSLIN SOPHYA A H (212)	
	KELLOGG LOUISE R (212)	
	LA HACHE SAML L R (212)	
	LATHAM EDITH PRES LATHAM FOUNDATION FOR THE PROMOTION OF HUM (212)	
	LAWRENCE H M H (212)	
	LIND ANN E FCTYWKR H (212)	
	LONG GROVER C H (212)	
	MAC KAY IRENE A MRS MGR REGILLUS APTS H (212)	
	MAC KAY WM B R (212)	
	MAKAY WM H (212)	
	MARWEDEL C W H (212)	
	MASHBIER BLANCHE B H (212)	
	MC CAULLEY JOHN E H (212)	
	MC DONALD L B H (212)	
	MONAGHAN JOS A H (212)	
	MORTON LILA M H (212)	
	MURPHY ANNA F MRS H (212)	
	NAUERT M H R (212)	
	OFARRELL FRANK H (212)	
	POWELL H A MRS H (212)	

Year	Uses	Source
1943	(continued)	
	RECTOR JOHN MRS R (212)	
	REGILLUS APARTMENTS (212)	
	SCHEELINE LESLIE L CLK R (212)	
	SCHMITT ELLWOOD J IMELDA ASST V PRES ANGLO CAL NATL BANK H (212)	
	SCOTT PETER F LILLIE PRES SCOTT CO H (212)	
	SPIES EDW R MGR ADDRESSOGRAPH SALES AGCY H (212)	
	SPIES PATRICIA R (212)	
	STIDHARA MARY MRS H (212)	
	VREELING GEO H (212)	
	WORK SHOP H (212)	
	YEOMANS WM E SEC MGR CAL PROCESSORS & GROWERS INC R (212)	
	YOEMANS WM E H (212)	
	R (220)	
	LATHAM ARTH C AUD NATL PROF BUREAU R (274)	
	SNOW MUSEUM NYDINE E SNOW CURATOR (274)	
	SNOW NYDINE E CURATOR SNOW MUSEUM H (274)	
	SNOW (274)	
	COLBY MARJORE H TYPIST R (292)	
	BEAK WALTER J ALICE K GAS STA (293)	
	R (301)	
	R (303)	
1945	**E 17TH ST**	The Pacific Telephone & Telegraph Co.
	COX S L R (166)	
	17TH ST	The Pacific Telephone & Telegraph Co.
	BAXTER GEORGE E R (240)	
	KLIMOVICH ROSE R (240)	
	LAWSON BELLE MRS R (240)	
	LEWIS THELMA B MRS R (240)	
	LIVINGSTON IRIS E R (240)	
	MILLER MADELYN E R (240)	
	OLIVER JOSEPHINE R (240)	
	PELLICANO ANGIE R (240)	
	SALYER RUTH MISS R (240)	
	THOMAS W MISS R (240)	
	TRAVAGLIO GENE R (240)	
	ALICE WAY	The Pacific Telephone & Telegraph Co.
	GRIFFIN S SHOE CO (1809)	
	SHEPARD MAE R (1817)	
	HAYWOOD MURRAY R (1835)	
	EL TOPO BRDNG HSE (1836)	
	ORDWAY FRANCES MARIE R (1836)	

Year	Uses	Source
1945	(continued)	
	HARRISON CT	The Pacific Telephone & Telegraph Co.
	CHILD CARE CENTERS ADMIN (1930)	
	HARRISON ST	The Pacific Telephone & Telegraph Co.
	PRINK A E MRS R (1805)	
	BESSETTE JACK MRS R (1817)	
	HARRISON INN (1818)	
	SOUZA JOHN E R (1818)	
	YERAMIAN A J R (1824)	
	FOLTZ E F MRS R (1923)	
	PARK NURSING HOME (1923)	
	SKEHENS EDWARD T PARK NURSING HOME (1923)	
	JACKSON ST	The Pacific Telephone & Telegraph Co.
	REYNOLDS JOHN E R (1810)	
	BROWN FLORINNE MISS R (1889)	
	EVERTS LILLIAN BROWN MRS R (1889)	
	BRACKETT GLENN K R (1899)	
	UNIVERSITY CLUB THE (1899)	
	ASHLEY AILEEN G R (1906)	
	GRISTE PAUL B R (1906)	
	HOLLIDAY W S R (1906)	
	JUNGE E G LT R (1906)	
	KESTENBLATT S R (1906)	
	KETSCHER ALVINA R (1906)	
	OWEN DON R (1906)	
	SAUNDERS NINA M R (1906)	
	SMITH HENRY A R (1906)	
	LAKESIDE DR	The Pacific Telephone & Telegraph Co.
	BECHTEL S D R (244)	
	CRELLIN M MISS R (244)	
	CROUCH CHARLES R (244)	
	FONTAINE W R R (244)	
	GELLERSEN W A MRS R (244)	
	GREENLEE F S MRS R (244)	
	HALL WHIPPLE S R (244)	
	HURD CLIFFORD R (244)	
	IVES M F R (244)	
	KNOWLAND JOSEPH R R (244)	
	LINDBURG EARL R R (244)	
	LOHSE JOHN LOUIS MRS R (244)	
	LOW H W R (244)	
	PEART LELA A R (244)	
	PROST HUBERT G R (244)	

Year	Uses	Source
1945	(continued)	
	RUSSELL A S R (244)	
	SHELTON T MRS R (244)	
	SMITH F M R (244)	
	SWAN SHERWOOD MRS R (244)	
	TUTT E R MRS R (244)	
	TWO-FORTY-FOUR LAKE SIDE DRIVE (244)	
	****MADISON ST****	The Pacific Telephone & Telegraph Co.
	BURNESS THOMAS B R (1800)	
	GENTIS R A R (1800)	
	HOTEL LAKE MERRITT (1800)	
	HOTEL LAKE MERRITT & APARTMENTS (1800)	
	JOHNS A MRS R (1800)	
	LAKE MERRITT HOTEL & APARTMENTS (1800)	
	MERRITT LAKE HOTEL (1800)	
	MERRITT LAKE HOTEL & APARTMENTS (1800)	
	****19TH ST****	The Pacific Telephone & Telegraph Co.
	ARNETT R L MRS R (212)	
	BECKWITH PALMER R (212)	
	BRAGG GEO H R (212)	
	BUTLER LUETTA R (212)	
	CARR E F CAPT R (212)	
	CORRELL HUGO R (212)	
	DAHL CHESTER MRS R (212)	
	FONTAINE PIERRE A R (212)	
	HAUGH J L R (212)	
	HAVRE HAROLD MRS R (212)	
	JACOBY L A DR R (212)	
	LA HACHE S L MRS R (212)	
	LIND ANN E R (212)	
	MASHBIR BLANCHE B R (212)	
	MCCAULLEY JOHN E R (212)	
	SNOOK PRESTON E R (212)	
	SPIES E R R (212)	
	YEOMANS WM E R (212)	
	CITY OFFICES (274)	
	SNOW MUSEUM (274)	
1946	Address Not Listed in Research Source	R. L. Polk & Co.
1950	****17TH AVE****	The Pacific Telephone & Telegraph Co.
	CORELOLA PETER MRS R (151)	
	****17TH****	The Pacific Telephone & Telegraph Co.
	CLILDS AOSTIN E R (204)	

Year	Uses	Source
1950	(continued)	
	GRIFFIN STEVE R (206)	
	NEWCOMB W DR DC (212)	
	MARLEY THOS L R (224)	
	AUTOMATIC PENCIL SHARPENER CO (240)	
	BUCICLEY RALPH D AUTOMATIC PENCIL SHARPENER CO (240)	
	HESS MAE MRS R (240)	
	KRAFTHEFER ROSE R (240)	
	LAPP J F R (240)	
	LAWSON BELLE MRS R (240)	
	LEGGE ALECK R (240)	
	LOGAN FRANK R (240)	
	LORIDON MIARY E R (240)	
	LUIHN ANNA M R (240)	
	MITCHELL HELEN R (240)	
	MOSER RETA N R (240)	
	PARKER CORYNNE R (240)	
	SARVER GORDON W R (240)	
	THOMAS W MISS R (240)	
	TRUTNER E J R (240)	
	VEYL MARGARET A R (240)	
	WALKER JEWEL M R (240)	
	ZIIILINERISAN C H L R (240)	
	BIG THREE AUTO SERVICE JONES BIG THREE AUTO SERVICE (255)	
	JONES BIG THREE AUITO SERVICE (255)	
	WIN PHILLIPS CO ADDING MACHS & TYPWRTRS (278)	
	****ALICE AVE****	The Pacific Telephone & Telegraph Co.
	CARRIER ANNIE MAE R (1817)	
	****ALICE CT****	The Pacific Telephone & Telegraph Co.
	SCHROEDER OPHIR ORE R (1817)	
	BEIBOE LATRIINE R (1821)	
	****ALICE WAY****	The Pacific Telephone & Telegraph Co.
	CORAEY RUTH R (1817)	
	SHEPARD MAE R (1817)	
	BURNS ROBT M R (1821)	
	ESPINOZA PAUL R (1821)	
	JEFFERES MYRLE H R (1821)	
	NMORSBY MAXINE R (1821)	
	GRIFFIN MELVINI R (1835)	
	HUDSON GAIL R (1835)	
	LAKE PARK MANOR (1836)	
	SOOZA JOHN R (1836)	
	SOUZA ARIETTA MRS R (1836)	

Year	Uses	Source
1950 (continued)		
	HARRISON ST	The Pacific Telephone & Telegraph Co.
	BURKE GEO H R (1804)	
	PRINK A E MRS R (1805)	
	HART GEO MEAL R (1811)	
	HARRISON INN (1818)	
	NATIONAL AUTOMOBILE CLUB EAST BAY DIST OFC (1826)	
	ANSLY S DRIUE IN RESTAUTANT (1833)	
	ROLLER ED G (1833)	
	HEARN GERALD R (1923)	
	STUART THELMA E R (1923)	
	SLEEPER MARJORIE R (1927)	
	JACKSON AVE	The Pacific Telephone & Telegraph Co.
	BROWN FIORINNE MISS R (1889)	
	DEEDS JACK C D COL R (1906)	
	JACKSON CT	The Pacific Telephone & Telegraph Co.
	BRACKETT GEO S SR R (1899)	
	SHIMT ADAM L MD R (1899)	
	UNIVERSITY CLUB THE (1899)	
	JACKSON ST	The Pacific Telephone & Telegraph Co.
	EVENTS LILLIAN BROWN MRS R (1889)	
	GRAHAM VINCEST P MD R (1899)	
	CARLSON HARRY M R (1906)	
	KETSCHCR ALVINA R (1906)	
	MEATH ALMA R (1906)	
	SHERMAN MARK R (1906)	
	SHORTT RUTLH C BATES R (1906)	
	SIEMENS LOUIS R (1906)	
	SIEMENS WEBB R (1906)	
	SMITH HENRY A R (1906)	
	SWICKARD GRANT R (1906)	
	WEST ALICE J R (1906)	
	LAKESIDE DR	The Pacific Telephone & Telegraph Co.
	BLODGETT ETHEL R (244)	
	CRELLIN M MISS R (244)	
	FITZGERALD ROBT M MRS R (244)	
	FONTAINE W R R (244)	
	GELLERSEN W A R (244)	
	GIBSON H R R (244)	
	GREENLEE F S MRS R (244)	
	HACKLEY ROY C R (244)	
	HALL WHIPPLE S MRS R (244)	
	HAZEL WM G R (244)	

Year	Uses	Source
1950 (continued)		
	IVES M F R (244)	
	LAKESIDE CORP (244)	
	LOHSE JOHN LOUIS MRS R (244)	
	LOW H W R (244)	
	MC CLURE GEORGE OR OFC (244)	
	PEART LELA A R (244)	
	RUSSELL A S R (244)	
	SHELTON FRANCES STARR R (244)	
	SWAN SIERWOOD MRS R (244)	
	TUTT E R MRS R (244)	
	TWO FORTY FOUR LAKE SIDE DRIVE (244)	
	MADISON AVE	The Pacific Telephone & Telegraph Co.
	COHENI FELIX G R (1800)	
	MADISON ST	The Pacific Telephone & Telegraph Co.
	HOTEL LALKE MERRITT (1800)	
	LALOE MERRITT HOTEL (1800)	
	E 19TH ST	The Pacific Telephone & Telegraph Co.
	WARDHAUGH F W R (111)	
	SALAZAR ALBERT R (220)	
	MULLER KATHERINE R (227)	
	19TH AVE	The Pacific Telephone & Telegraph Co.
	HOLM A R (119)	
	19TH	The Pacific Telephone & Telegraph Co.
	GRAVNELY FRANCES R (181)	
	BERCOVICH ALFRED JAY R (212)	
	BERCOVICH HARRY B R (212)	
	CARLSON EMIL J R (212)	
	CASSON J A MRS R (212)	
	CLOUGH IRVIN MRS R (212)	
	DAVIS JULIAN R R (212)	
	DRURY G HARRISON R (212)	
	FONTAINE PIERRE A R (212)	
	GREEN HARRY R (212)	
	HALL JACK M R (212)	
	HARRISON WMI LAWRENCE R (212)	
	HOLT ROLAND G R (212)	
	LIND ANN E R (212)	
	LIVINGSTON S A R (212)	
	MC CAULLEY JOHN E R (212)	
	MOORE R STUART R (212)	
	PETERMAN IDA C R (212)	
	REED E C R (212)	

Year	Uses	Source
1950	(continued)	
	SCHEIBNER PHILIP R (212)	
	SNOOK PRESTON E R (212)	
	WEBBER ANN R (212)	
	WOOD CARL BRUCE R (212)	
	CITY OFFICES (CONTD) OAI(LAND CITY OFFICES (CONTD) MUNICIPAL (274)	
	SNOW MUSEUM (274)	
1951	Address Not Listed in Research Source	R. L. Polk & Co.
1954	**ALICE AVE**	R. L. Polk & Co. of California
	GOODEILL HAROLD E TR (1724)	
	DE CRUZ JOHN (1823)	
	NOGA MARY C MRS P (1835)	
	REARVACANT (1849)	
	VACANT (1849)	
	HIRSCHINUGL ROBT P LO (1855)	
	PICARDO & SON MFG CO CBTMKR LO (1860)	
1955	**17TH ST**	R. L. Polk & Co.
	ALEXANDER HENRY M MRS R (150)	
	BARRICK A H R (150)	
	BERLIN H D MD R (150)	
	BRADLEY GEO O MRS (150)	
	CAMPBELL MARSTON JR R (150)	
	CONNIE DOROTHY (150)	
	CONWAY BUD (150)	
	COOPER ROBT E REV R (150)	
	CRANDALL K W (150)	
	CUMMINGS MADELINE MRS (150)	
	CUNNINGHAM DAVID H MD (150)	
	DAILEY HELEN (150)	
	FARNSWORTH H B MRS (150)	
	FEIGENBERG BORIS (150)	
	FORTIER EDNA R (150)	
	GALBRAITH LEW F R (150)	
	GRAVES R C MRS R (150)	
	HANSEN ROY H (150)	
	HARRINGTON J W T R (150)	
	JENNINGS JOYCE (150)	
	KAUFMAN IRENE (150)	
	KNOWLES LEE PEARCE MRS (150)	
	LAMBORN CLEIN R (150)	
	LANDRES H C R (150)	
	LEEPER LENA V R (150)	

Year	Uses	Source
1955	(continued)	
	MALNICK FANNY MRS R (150)	
	MCLAUGHLIN W I R (150)	
	MILLICAN KENNETH H DR (150)	
	MORSE RUTH (150)	
	MUSMAKER LOUIS A R (150)	
	PENN THAD W DR (150)	
	REGAN MARION E (150)	
	ROBINSON CAROL H R (150)	
	ROUGEOT MADELINE B (150)	
	ROUSE ESSIE R (150)	
	SCANLON PEARL (150)	
	SCHINDLER JAS N (150)	
	SHEARER ELIZABETH L MISS R (150)	
	SILLIMAN MARGUERITE (150)	
	STEBBINS FLORENCE (150)	
	STOW ANN MRS R (150)	
	SULLINS WM L (150)	
	SUTTON J ALLEN (150)	
	TROYER NELSON R (150)	
	WARMINGTON A L R (150)	
	WITT ROBT L (150)	
	GREEN SAM TV SALES & SERVICE (155)	
	STATE CLEANERS & DYERS (155)	
	BIGFORD ROSEMARY (159)	
	BODEEN DOROTHY A (159)	
	DAVIS CECIL MRS R (159)	
	DUNCAN ROBT J (159)	
	FRITSCHE JOHANNA MISS (159)	
	GILLESPIE JUANITA STANLEY (159)	
	GOLBEK HOWARD M (159)	
	HONEO BETTY (159)	
	HORMANN LILLIE B R (159)	
	KURTH JEAN (159)	
	LIEBMAN ALFRED A LT (159)	
	MAMLYE PEARL (159)	
	MARS HILDA F (159)	
	MILLION D A R (159)	
	RIGNEY TRUEMAN E R (159)	
	SAMPSON B A (159)	
	SHOWALTER A R R (159)	
	SWANSON NORMA (159)	
	WATTERSON MARGIE (159)	
	ZAPFE IDA MAY (159)	

Year	Uses	Source
1955 (continued)		
	AUERBACH WILL DALE R (160)	
	EARL JOHN K R (160)	
	EARNEST JESSIE W R (160)	
	ESCOBAR ROBT P (160)	
	FOWLER CHESTER L R (160)	
	LUND HORTENSE MRS R (160)	
	MILLER MARY N MRS (160)	
	STODDARD FRANK H R (160)	
	WALTON FRED J MRS (160)	
	WHITMAN J (160)	
	HUNT JIM (163)	
	WILLIAMS DARREL (163)	
	CHILDS AUSTIN E (206)	
	NEWCOMB WILMA (212)	
	GRIFFIN STEVE (218)	
	ALDRIDGE D E (240)	
	ANDERSON R W (240)	
	ANDREWS ROBT (240)	
	BUCKLEY RALPH D OFC (240)	
	CONSEDINE O E MRS (240)	
	ELLIOTT EVELYN A (240)	
	HALL FANNIE B MRS (240)	
	HENRICUS JEAN (240)	
	ISHIDA HATSUYE (240)	
	LAPP J F R (240)	
	LONDON MARY E R (240)	
	LUIHN ANNA M (240)	
	MESQUITE ARTHUR JR (240)	
	MITCHELL HELEN R (240)	
	PARKER CORYNNE R (240)	
	SALYER RUTH (240)	
	SMITH RALPH ERNST (240)	
	ZIMMERMAN C H L (240)	
	BIG THREE AUTO SERVICE (255)	
	VINSON FRED W WYNOIL LAB DISTR (255)	
	WYNOIL LAB DISTR (255)	
	CANNERY WORKERS UNION I B OF T C W & H (266)	
	PHILLIPS WIN CO ADDING MACHS & TYPWRTRS (278)	
	WIN PHILLIPS CO ADDING MACHS & TYPWRTRS (278)	
	AYDELOTT WM R WM STANWELL CO (285)	
	DEPPEN J R WM STANWELL CO (285)	
	HOLMGREN STANFORD L WM STANWELL CO (285)	
	STANWELL WM CO RL EST LOANS (285)	

Year	Uses	Source
1955 (continued)		
	ALICE WAY	R. L. Polk & Co.
	CARLSEN RICHARD F (1817)	
	SHEPARD MAE R (1817)	
	WANG JOHN K L (1821)	
	ROBINSON WM MRS R (1835)	
	LAKE PARK MANOR (1836)	
	TERRY ARIETTA (1836)	
	HARRISON CT	R. L. Polk & Co.
	MCMULLEN KAIN P MRS (1804)	
	CUSHING RUTH L (1805)	
	RINEHART ORA D MRS (1805)	
	NATIONAL AUTOMOBILE CLUB EAST BAY DIST OFC (1826)	
	ANDY S DRIVE IN RESTAURANT (1833)	
	BROWN AILEEN M (1923)	
	ELLIOTT IDA B (1923)	
	FAY OLIVE MRS (1923)	
	MORTON MARY (1923)	
	GRAHAM RON (1927)	
	KADE A CURLEY (1927)	
	STEARNS FRED A (1927)	
	SUNDBERG SVEN E (1927)	
	TAUBER GUSTAVE H (1927)	
	JOHNSON HUB (1933)	
	KEERAN LIDA M (1933)	
	HARRISON ST	R. L. Polk & Co.
	PRINK A E MRS R (1805)	
	HARRISON INN (1818)	
	COMMERCIAL CREDIT CORPORATION (1824)	
	COMMERCIAL CREDIT PLAN INC (1824)	
	CLARK CHAS F R (1933)	
	JACKSON	R. L. Polk & Co.
	BAKEWELL A S MISS (1880)	
	CHRISTENSEN LLOYD E (1880)	
	EVANS WIL (1880)	
	GIEZENDANNER JACK (1880)	
	HILDEBRAND CLIFTON (1880)	
	MCKEE JOHN RITCHIE (1880)	
	MORRIS B F MRS (1880)	
	MOTT PERCY R (1880)	
	NEILSON DUNCAN S (1880)	
	PANGBURN BESS M CS PR (1880)	
	PLUMLEIGH DEVELOPMENT CO (1880)	

Year	Uses	Source
1955	(continued)	
	RICKS J L (1880)	
	SWEETMAN LAURENCE D (1880)	
	THAYER PHILIP F (1880)	
	TILSETH ARNE B (1880)	
	TOMAN O R (1880)	
	VALLA MARGARET (1880)	
	WAGENET CLIFFORD (1880)	
	WETZEL HARRY E (1880)	
	EVERTS LILLIAN BROWN MRS R (1889)	
	BALDRY GEO E (1899)	
	BRACKETT GEO S SR R (1899)	
	MCMILLAN STANTON L (1899)	
	UNIVERSITY CLUB THE (1899)	
	BARKER ROY L (1906)	
	BOOKMAN G M (1906)	
	CARLSON HARRY M R (1906)	
	GROSS GUSSIE (1906)	
	MAMLYE MILO ELI (1906)	
	MARRIN FRANK T R (1906)	
	MCLENNAN JEAN MRS (1906)	
	MEATH ALMA R (1906)	
	MORRIS CHAS I MD (1906)	
	NUNN MARION G (1906)	
	SIEMENS WEBB R (1906)	
	WEST ALICE J R (1906)	
	WOODILL JOHN W MAJ (1906)	
	****LAKESIDE DR****	R. L. Polk & Co.
	BANCROFT JAS STOW (244)	
	BECHTEL BARBARA (244)	
	BECHTEL STEPHEN D R (244)	
	CRELLIN M MISS R (244)	
	DOE R W (244)	
	EVANS JOHN MARSHALL (244)	
	FITZGERALD ROBT M MRS R (244)	
	FONTAINE W R R (244)	
	GELLERSEN W A R (244)	
	GIBSON H R MRS (244)	
	GREENLEE F S MRS R (244)	
	HACKLEY ROY C R (244)	
	HAZEL WM G R (244)	
	IVES M F R (244)	
	LAKESIDE CORP (244)	
	LOHSE JOHN LOUIS MRS R (244)	

Year	Uses	Source
1955	(continued)	
	LOW H W R (244)	
	PEDERSEN KATE G MRS (244)	
	SKAGGS M B R (244)	
	SWAN SHERWOOD MRS R (244)	
	TUTT E R MRS R (244)	
	TWO-FORTY-FOUR LAKESIDE DR (244)	
	****MADISON CT****	R. L. Polk & Co.
	CAHN JANE G (1800)	
	COURTNEY J T (1800)	
	****MADISON ST****	R. L. Polk & Co.
	COHEN FELIX G R (1800)	
	CUTLER AL R (1800)	
	HOTEL LAKE MERRITT (1800)	
	LAKE MERRITT HOTEL (1800)	
	****19TH ST****	R. L. Polk & Co.
	BERCOVICH HARRY B (212)	
	BLOOD DELOS M MRS (212)	
	CARLSON EMIL J R (212)	
	CLOUGH IRVIN MRS R (212)	
	COLTON GEO W (212)	
	CRANE WHITFIELD DR (212)	
	DALZIEL JENNIE MRS (212)	
	DAVIS DAVID Z (212)	
	DAVIS JULIAN R R (212)	
	FAMULAR A W (212)	
	FINK MARY M MRS (212)	
	FONTAINE PIERRE A (212)	
	GRODIN MICHAEL MRS R (212)	
	HALL JAS MRS (212)	
	HERRLEIN PHILIP G MRS (212)	
	HUSH WM W (212)	
	JACOBS MAYHELT MRS (212)	
	JANOSIK MARGIT (212)	
	KESSLER NAT (212)	
	LIND ANN E R (212)	
	LOCKWOOD E WILSON (212)	
	MCCAULLEY JOHN E R (212)	
	MOORE R STUART R (212)	
	MOORE STUART (212)	
	PARADISE BERNARD R (212)	
	PETERS CHAS E MRS (212)	
	PORTER GEO K (212)	

Year	Uses	Source
1955	(continued)	
	REED E C R (212)	
	SCHERMAN J MRS (212)	
	STARK L D MRS (212)	
	SWEET CLIFFORD MD (212)	
	UNGER BENJ R (212)	
	WEISER G J (212)	
	WOOD CARL BRUCE R (212)	
	WORTHINGTON ERNESTINE MRS (212)	
	CITY OFFICES (274)	
	SNOW MUSEUM (274)	
	BUDGET CLEANERS INC (295)	
1956	Address Not Listed in Research Source	Pacific Telephone
1959	Address Not Listed in Research Source	R. L. Polk & Co.
1960	**W JACKSON ST**	Pacific Telephone
	RONALD LUMRNBER & BUILDING SUPPLY CORP (1717)	
	BOYD WM M (1817)	
	SCOGGINS EUGENE (1831)	
	ANN S BEAUTY SHOP (1925)	
	HARRISON ST	Pacific Telephone
	NAT I AUTOMOBILE CLUB EAST BAY DIST OFC (1826)	
	MADISON AVE	Pacific Telephone
	ONSTAD CARL I E (1800)	
1962	**17TH ST**	Pacific Telephone
	BARRICK A H R (150)	
	BISHOP RAY H (150)	
	BROWN EMMA H (150)	
	CAMPBELL MARSTON JR R (150)	
	CARPENTER BURT J (150)	
	CARPENTER FLORENCE H (150)	
	CIERI JOS MRS (150)	
	COUGHLIN MARCELLA (150)	
	CUMMINGS MADELINE MRS (150)	
	DE VERA PAUL (150)	
	FORTIER EDNA R (150)	
	GALBRAITH LEW F R (150)	
	GRAEF MARY (150)	
	HUBENET W C MRS (150)	
	JEREMIAS I L MRS (150)	
	KING GWEN (150)	
	LAMARCHE ANDRE (150)	

Year	Uses	Source
1962	(continued)	
	LANDRES H C (150)	
	LUND HAL (150)	
	MALNICK FANNY MRS R (150)	
	MARTINEZ EDNA (150)	
	MC DONALD MAYSIE MRS (150)	
	MENZIES JANET MRS (150)	
	MUSMAKER LOUIS A R (150)	
	NOBLE H E MRS (150)	
	OTOOLE J A (150)	
	ROBERTSON RAYMOND W (150)	
	ROBINSON CAROL H R (150)	
	ROUSE ESSIE R (150)	
	RUSSELL ALFRED S (150)	
	RUTGER M (150)	
	RYAN L P (150)	
	SAGE DOROTHY (150)	
	SANTORO SALVATORE MRS (150)	
	SCHWARTZ ROBT A D (150)	
	SELIG VIRGINIA C (150)	
	SIGILLITO VINCENT C (150)	
	SLEE MARJORIE M MRS (150)	
	STROBL M J (150)	
	TUDOR HALL APARTMENTS (150)	
	TWINING H F (150)	
	WARMINGTON ARTHUR L MRS (150)	
	WEINER THOS (150)	
	SNAPPY LAUNDRY (153)	
	STATE CLEANERS & DYERS (155)	
	BOWYER WYNNE H (159)	
	CALDEIRA YVONNE (159)	
	CAMPBELL JANE (159)	
	COLONIAL LAKE APTS (159)	
	ELLIS U (159)	
	FENTON EDNA MISS (159)	
	GARNER LINDA (159)	
	GRIFFEE LOUIS O (159)	
	HICKMAN GEO L (159)	
	KOMOLA MIKE (159)	
	LOUIE GUY J (159)	
	PITET LARRY M (159)	
	RICONSCENTE MARIE (159)	
	SAMPSON B A (159)	
	SCHNEITER J H (159)	

Year	Uses	Source
1962	(continued)	
	SCOTT WALTER (159)	
	TAPIA GLORIA (159)	
	ZAPFE IDA MAY (159)	
	AGESEN VERNON (160)	
	BANFILL ANNA MAE (160)	
	BEARY MARY V (160)	
	CONWAY ELIZABETH M (160)	
	CROOP CLARA MRS (160)	
	FOWLER CHESTER L R (160)	
	FRITSCHE JOHANNA MISS (160)	
	GIBSON WM (160)	
	HANDLY M P (160)	
	HARRIS MARY J (160)	
	HAWKINS MARGUERITE (160)	
	HORMANN LILLIE B (160)	
	LAKE VISTA APARTMENTS (160)	
	LAMB MARGARET L (160)	
	LARSON CAROL (160)	
	LARSON DAVID O (160)	
	PAYNE HERBERT S (160)	
	LAYMON CHESTER W (161)	
	WILLIAMS LOTTIE (163)	
	SIMPSON GERALDINE R (206)	
	SIMPSON SUSAN (206)	
	RASMUSSEN T E (212)	
	BEARD RUSSELL (218)	
	ALEXANDER LILLIAN A (240)	
	BILL DOROTHY A (240)	
	BUCKLEY RALPH D MRS (240)	
	BURD ALFRED H (240)	
	BURD MARJORIE Q (240)	
	DIX ROSS (240)	
	ELLIOTT EVELYN A (240)	
	GRIFFIN EDNA (240)	
	HART ALMA MRS (240)	
	HOGSTROM G W (240)	
	KONZAK STEVE (240)	
	LUIHN ANNA M (240)	
	MATKIN W LEO (240)	
	MAYFIELD MAUDE MRS (240)	
	MC DANIEL M M (240)	
	MITCHELL H (240)	
	RITCHIE MLISS P MRS (240)	

Year	Uses	Source
1962	(continued)	
	ROLL GRACE MRS (240)	
	DAR CHES LAKE APTS (245)	
	PETERSEN PAUL L CONTR (245)	
	OAKLAND OFFICE (250)	
	BIG THREE AUTO SERVICE (255)	
	HARVEYS BIG THREE AUTO SERVICE (255)	
	PHILLIPS WIN CO ADDING MACHS & TYPWRTRS (278)	
	WIN PHILLIPS CO ADDING MACHS & TYPWRTRS (278)	
	AYDELOTT WM R WM STANWELL CO (285)	
	CENTRAL INSURANCE AGENCY (285)	
	CENTRAL CREDIT UNION OF CALIF (285)	
	DEPPEN J R WM STANWELL CO (285)	
	EAST BAY POSTAL CREDIT UNION (285)	
	GOVERNMENT SERVICE CREDIT UNION (285)	
	HOLMGREN STANFORD L WM STANWELL CO (285)	
	INWOOD CREDIT UNION (285)	
	METROPOLITAN CREDIT UNION (285)	
	MOORE JOHN L EAST BAY POSTL CR UNION (285)	
	POSTAL CREDIT UNION EAST BAY (285)	
	STANWELL WM CO RL EST LOANS (285)	
	****ALICE ST****	Pacific Telephone
	DOWLING LILIAN (1821)	
	HEAD URSULA M (1821)	
	MENDELSON FLORENCE (1821)	
	ROTH JOHN MICHAEL (1821)	
	****HARRISON ST****	Pacific Telephone
	GREIG ROBT W SAYLOR & HILL CO INS (1805)	
	HILL EDWIN F JR SAYLOR & HILL CO INS (1805)	
	MC KNIGHT PAUL C SAYLOR & HILL CO INS (1805)	
	NORTHON RICHARD L SAYLOR & HILL CO INS (1805)	
	SAYLOR & HILL CO INS (1805)	
	SAYLOR RICHARD L SAYLOR & HILL CO INS (1805)	
	STOCK JOHN V SAYLOR & HILL CO INS (1805)	
	WELLS ROBT M SAYLOR & HILL CO INS (1805)	
	ALAMEDA COUNTY CITY & COUNTY EMPLOYEES CREDIT UNION (1824)	
	CITY & CO EMPLOYEES CREDIT UNION OF ALAMEDA CO (1824)	
	NATIONAL AUTOMOBILE CLUB EAST BAY DISTRICT OFFICE (1826)	
	BOB & JOHNS PARKING (1923)	
	****JACKSON ST****	Pacific Telephone
	AHRNKE H P (1880)	
	BAKEWELL A S MISS (1880)	

Year	Uses	Source
1962	(continued)	
	BELLANDI MILDRED A MRS (1880)	
	FRYE NELL G (1880)	
	GIEZENDANNER JACK (1880)	
	HILDEBRAND CLIFTON (1880)	
	KELLY DOROTHY (1880)	
	LAWRENCE MARILYN E (1880)	
	LINDBURG NEVA MRS (1880)	
	MANCINI JOHN A (1880)	
	MC HUGH LYLA (1880)	
	MC KEE LAWRENCE J (1880)	
	MEARS S R (1880)	
	NADLER BERNARD A (1880)	
	PORTER PAUL M (1880)	
	PRESTON MARTIN (1880)	
	SCHORNICK BILL (1880)	
	SHERRY JOHN (1880)	
	WAGENET CLIFFORD (1880)	
	WILKINSON B M (1880)	
	BARKER ROY L (1906)	
	CARLSON HARRY M R (1906)	
	FOWELL GEO BILL (1906)	
	HANNON NORMILE A (1906)	
	JOHNSON ALICE D (1906)	
	MARRIN FRANK T R (1906)	
	MONROE MARY W (1906)	
	NUNN MARION G (1906)	
	SCHLAIS ELAINE B (1906)	
	SPRAGUE GRACE D (1906)	
	STEWART MARY V MRS (1906)	
	TOM RAYMOND (1906)	
	TOM REYNOLD (1906)	
	TOM WANNA (1906)	
	****LAKESIDE DR****	Pacific Telephone
	BECHTEL STEPHEN D R (244)	
	BOWEN CARL MRS (244)	
	DOE RILEA W (244)	
	EVANS JOHN MARSHALL (244)	
	FITZGERALD ROBT M MRS (244)	
	FONTAINE W R MRS (244)	
	GELLERSEN W A (244)	
	GIBSON H R MRS (244)	
	GREENLEE F S MRS R (244)	
	HAZEL WM G R (244)	

Year	Uses	Source
1962	(continued)	
	HUNTINGTON C S MRS (244)	
	LA BOYTEAUX C E (244)	
	LAKESIDE CORP (244)	
	LIPMAN E C MRS (244)	
	LOHSE JOHN LOUIS MRS (244)	
	OSHEA JOHN P (244)	
	PEDERSEN KATE G MRS (244)	
	SKAGGS M B R (244)	
	SPENCE HOMER R JDGE (244)	
	STUART J L (244)	
	SWAN SHERWOOD MRS (244)	
	TUCKER GLYNN E (244)	
	TWO FORTY FOUR LAKESIDE DR (244)	
	C E I R INC (300)	
	CEIR INC (300)	
	CORPORATION FOR ECONOMIC & INDUSTRIAL RESEARCH INC (300)	
	EXECUTIVE OFFICES KAISER CENTER (300)	
	FACTS CONSOLIDATED DIVISION OF CEIR (300)	
	FILM SHOP (300)	
	FONG LESLIE H JEROME HOWARD LTD (300)	
	JEROME HOWARD LTD (300)	
	KAISER CENTER INC (300)	
	KAISER CENTER BRANCH (300)	
	KAISER CENTER BRANCH (300)	
	KAISER CENTER INC (300)	
	KAISER CENTER LOBBY (300)	
	KAISER CENTER STATION (300)	
	RAUST GEO T JWLRY ENGRVR (300)	
	UNION NEWS CO (300)	
	****MADISON ST****	Pacific Telephone
	TRANSMISSION REBUILD (1774)	
	COHEN FELIX G R (1800)	
	HOTEL LAKE MERRITT (1800)	
	LAKE MERRITT HOTEL (1800)	
	****19TH ST****	Pacific Telephone
	ARCHER ELEANOR K MRS (177)	
	BAKAR LOUIS G (177)	
	BERG HAZEL (177)	
	BERG M M (177)	
	BERGEN WALTER F (177)	
	BERVEN SYLOW (177)	
	BREIDINGER CATHERINE (177)	

Year	Uses	Source
1962	(continued)	
	BROWN FORREST E (177)	
	BURROUGHS G T (177)	
	CONLAN MARIE L (177)	
	DOBBINS HUGH LLOYD (177)	
	DONOVAN J D (177)	
	DOWD B H (177)	
	DREIMAN R N (177)	
	FORMAN G H (177)	
	FREESE HARRY MRS (177)	
	FRUG ANNE S (177)	
	GIBSON COLIN C (177)	
	GRAESER ELIZABETH B MRS (177)	
	GUY DARYL L (177)	
	HANWAY EARL E (177)	
	HARGRAVES VERNA F MRS (177)	
	HARPER C E (177)	
	HODGKIN CLAIRE D MRS (177)	
	HOUSEKEEPER E T (177)	
	JURAS B (177)	
	KEWELL F C (177)	
	KNOWLTON G D (177)	
	LAKE ROYAL APARTMENTS MGRS OFC (177)	
	LEWIS HARRIS (177)	
	LOGUE BLAIR MRS (177)	
	LYONS H M (177)	
	MACKERT ROBT D (177)	
	MC COLLUM VIVIAN (177)	
	MEATH ALMA (177)	
	MITCHELL STUART A (177)	
	OBER JOHN R (177)	
	OBER RUTH (177)	
	RESIDENCE (177)	
	RESIDENCE (177)	
	RESIDENCE (177)	
	RESIDENCE (177)	
	RIZZO N L (177)	
	ROSE HERBERT (177)	
	RUSH JOHN M (177)	
	SCHERMAN J MRS (177)	
	SHANE LOTTIE (177)	
	SMITH J ERNEST MRS (177)	
	SOUSA JOHN R (177)	
	STEWART MARTHA A (177)	

Year	Uses	Source
1962	(continued)	
	SWAYNE LLOYD (177)	
	TRULSON MARIE M (177)	
	WATSON HERBERT M (177)	
	WILSON VERNA V (177)	
	WOOLNER BEN F (177)	
	UNIVERSITY CLUB THE (201)	
	BRADY HARRIET (212)	
	CARLSON EMIL J (212)	
	CHICHESTER C A (212)	
	COHEN MORRIS K (212)	
	CORNWALL A V MRS (212)	
	CRANE WHITFIELD DR (212)	
	CZIZEK J A (212)	
	DAHL CHESTER MRS (212)	
	DAHL PEARL (212)	
	DALZIEL JENNIE MRS (212)	
	DAVIS DAVID Z (212)	
	DUSKY BYRON L ATTY (212)	
	FOSTER JAS O (212)	
	FRIEDMAN DOROTHY MRS (212)	
	GREER ROBT S (212)	
	GREER SELBY F (212)	
	HALL JAS MRS (212)	
	HERRLEIN PHILIP G MRS (212)	
	JELTE VESTA S MRS (212)	
	KALISKI LOUIS (212)	
	KESSLER NAT (212)	
	LEACH W BASIL (212)	
	LIND ANN E R (212)	
	LIND SERENE N (212)	
	MAIDEN F BRUCE (212)	
	MOORE CARL R (212)	
	MOORE R STUART R (212)	
	MOORE STUART (212)	
	NADLER AARON M (212)	
	PETERS EDW L (212)	
	RAUERS J MC HENRY MRS (212)	
	REED E C R (212)	
	SCHWARTZ VIOLET R MRS (212)	
	SMITH HAROLD B (212)	
	SNYDER MANUEL MRS (212)	
	STARK L D MRS (212)	
	STONE ROBT E (212)	

Year	Uses	Source
1962	(continued)	
	WEISER G J (212)	
	OAKLAND MUSEUMS ASSN (274)	
	SNOW (274)	
	SNOW MUSEUM (274)	
	BUDGET CLEANERS (295)	
1965	**W JACKSON ST**	R. L. Polk & Co.
	DIEZ LOUIE JR RONALD LUMBR & BLDG SUPPLY CORP (1717)	
	RONALD LUMBER & BUILDING SUPPLY (1717)	
	KIMBERLY BEAUTY SALON (1917)	
	MT EDEN BARBER SHOP (1917)	
	ANN S BEIAUTY SHOP (1925)	
	LEIGHTON LUCILLE (1925)	
	RED S APPLIANCE (1925)	
	HARRISON ST	R. L. Polk & Co.
	NATI AUTOMOBILE CLUB EAST BAY DIST OFE (1826)	
	MADISON AVE	R. L. Polk & Co.
	A B C TRENCHING SERVICE (1880)	
	E 19TH ST	R. L. Polk & Co.
	OLIVERA M (216)	
	JACKSON ST W	R. L. Polk & Co.
	RONALD LUMBER & BUILDING (1717)	
	SUPPLY CO L 8 R (1717)	
	NO RETURN (1817)	
	REAR LEVIE CHARLES (1875)	
	SANDERSON MARGT MRS (1875)	
	MOUNT EDEN BARBER SHOP (1917)	
	KIMBERLY BEAUTY SALON (1925)	
	LEIGHTON FRANK L (1925)	
	RED S APPLIANCE SLS & SERV (1925)	
1967	**17TH ST**	R. L. Polk Co.
	CREECH LULU J MRS (150)	
	MURRAY MARIE (150)	
	MUSLADIN WM M (150)	
	POHL CYNTHIA E (150)	
	SMITH CYRIL (150)	
	TUDOR HALL APARTMENTS (150)	
	VACANT (150)	
	WILES ELWOOD W 444W 6822 (150)	
	SNAPPY LAUNDRY (153)	
	LAKE QUALITY CLEANERS (155)	
	BALL MURLINE (159)	
	COLONIAL LAKE APARTMENTS (159)	

Year	Uses	Source
1967	(continued)	
	FARLOW JESS (159)	
	GARDNER W B (159)	
	HEIM LARRY (159)	
	HICKOFF G (159)	
	HUBBARD SUSAN (159)	
	HUNT MILDRED (159)	
	I OCONNOR ELIZ MRS (159)	
	KENNEDY ROUL D (159)	
	KING RICHO (159)	
	LORD RR CHD (159)	
	MILLER GENE C (159)	
	PITET LAWRENCE (159)	
	RAINS R E (159)	
	SAMUELSON P F (159)	
	VACANT (159)	
	VANC 1 L RENE (159)	
	WALDEN MARGT I MRS (159)	
	WATERMAN T H (159)	
	WERNER BARBARA (159)	
	WHITLOCK JAMES R (159)	
	WIGHT ANNE M MRS 834 90 S (159)	
	BUTTS GERALD (160)	
	GIBSON RICHO (160)	
	LAKE VISTA APARTMENTS (160)	
	SMITH JOSEPH T (160)	
	WESTOBY LORA P MRS (160)	
	IC NO RETURN (181)	
	ROSS MEL (200)	
	DIRKS MARGT W MRS (201)	
	GREVE PAULINE (201)	
	JEREMIAS ISABELL L MRS (201)	
	MARKEY CHARLES W (201)	
	RODERICK HAROLD R (201)	
	SMITH BETTY (201)	
	GEIDER EVA M MRS (202)	
	HANSEN ROBT E (202)	
	HELSBY JACK E (202)	
	POSTELWAITE CLARENCE L (202)	
	SPECK H W (202)	
	VACANT (202)	
	BEVIS J B (203)	
	FEGLEY KAY (203)	
	KISTLER C I (203)	

Year	Uses	Source
1967	(continued)	
	MARTINEZ ANNE (203)	
	MIRANDA CHARLES (203)	
	TOSKI WALTER M (203)	
	CROOP CLARA E MRS (204)	
	DEHBIBI ROUSY (204)	
	FIELDS LUCILLE MRS (204)	
	FOLSOM J H (204)	
	MC EWEN ELMER J (204)	
	NOBLE ALICE MRS GLI 3989 (204)	
	YAGI THOS (204)	
	ANDERSON F S MRS (205)	
	BADEN ROT (205)	
	BURT ALBERT W (205)	
	DEARBORN DONALD D (205)	
	PODLOGAR RODGER W (205)	
	ROUSE ESSIE TW (205)	
	VAUGHN MADELINE MRS (205)	
	CLARKE CAROL (206)	
	EAKIN FLORENCE W (206)	
	HOLOEN RONALD G (206)	
	SHEDDEN HELEN MRS (206)	
	STARK T J (206)	
	VACANT (206)	
	MRACK RUDOLPH H (207)	
	NO RETURN (207)	
	SHARP R B (207)	
	SLEE MARGORIE M MRS (207)	
	VACANT (207)	
	GILLETTE BURN W (208)	
	GREUEL CLARE (208)	
	KEANE LESLIE S MRS (208)	
	KIDDER L KENNEDY (208)	
	SHERMAN E L (208)	
	VACANT (208)	
	VACANT APTS (208)	
	WARMINGTON KETURAH MRS (208)	
	ZITA EPSILON FRATERNITY (208)	
	CAMPBELL VICTORIA MRS (209)	
	LLAMEDO ALICE (209)	
	PRICE OSCAR M ARCHT (210)	
	VINCENT PAUL (210)	
	MC KEAN ALAN E (211)	
	BUZZARD HAROLD L (212)	

Year	Uses	Source
1967	(continued)	
	TOURNOUR GILDO (212)	
	HERMAN CHARLES (213)	
	ANSHUS GEORGIA V (214)	
	INVESTMENT CO (215)	
	LAKE MERRITT REALTY (215)	
	SMITH L F & ASSOCIATES INS (215)	
	CARMENS UNION DIVISION NO (218)	
	HUNT J H (224)	
	PIERCE WILHELM (240)	
	ABBEY R G MRS (245)	
	CHERNENKOFF ANDREW L (245)	
	DAVIDSON LENOR J (245)	
	DOR CHEZ APARTMENTS (245)	
	DOWO E (245)	
	FLEENER C V MRS (245)	
	GIACCONE CARLO (245)	
	HANSELMAN L (245)	
	HARRIS JACOB M (245)	
	KNIGHT EVELYN MRS (245)	
	MURPHY ELAINE (245)	
	RASMUSSEN THORWALD E (245)	
	SANDERS BETTE R (245)	
	VACANT (245)	
	VACANT (245)	
	VACANT (245)	
	VACANT APT (245)	
	VANDERWIN NICHOLAS J (245)	
	DISTRICT (250)	
	EAST BAY MUNICIPAL UTILITY (250)	
	CANNERY WORKERS UNION LOCAL NO (266)	
	DAUGHTERS OF SAINT PAUL BOOK (278)	
	CENTRAL CREDIT UNION OF CALIF (285)	
	CENTRAL INSURANCE AGENCY INC (285)	
	CUNA MUTUAL INSURANCE SOCIETY (285)	
	MOORE JOHN L BUILDING (285)	
	****ALICE ST****	R. L. Polk Co.
	APARTMENTS (1821)	
	DRYDEN FRED L (1821)	
	FOLEY BESSIE MRS (1821)	
	GULLICKSON BUD (1821)	
	HAYDEN JAMES (1821)	
	I DOWNEY OPAL (1821)	
	LINEER LILLIAN MRS (1821)	

Year	Uses	Source
1967 (continued)		
	MARKENG (1821)	
	CALIFORNIA NEVADA METHODIST (1850)	
	HOMES REST HOME (1850)	
	LAKE PARK RETIREMENT RESIDENCE (1850)	
	REST HOME (1850)	
	****HARRISON ST****	R. L. Polk Co.
	BEDFORD ASSOCIATES INC REAL (1801)	
	BORREGARD PATRICIA H LWYR (1801)	
	HOGE & WARWICK LWYRS (1801)	
	LEMPRES & SEYRANIAN LWYRS (1801)	
	MANAGEMENT RFAL EST (1801)	
	MC KEEN & ASSOCIATES REAL EST (1801)	
	MC KEEN HEPZOG PROPERTY (1801)	
	VACANT (1805)	
	RUPPERTS AUTO PARKS INC (1818)	
	CITY & COUNTY EMPLOYEES CREDIT (1824)	
	UNION (1824)	
	NATIONAL AUTOMOBILE CLUB (1826)	
	****JACKSON ST****	R. L. Polk Co.
	APARTMENTS (1880)	
	AUSTIN CHESTER (1880)	
	BAKEWELL ANN S (1880)	
	BELLANDI MARIO N (1880)	
	BUEHLER FRED (1880)	
	COPELAND EDITH MRS (1880)	
	CRYAN E S (1880)	
	FOLLETTE JUSTIN P (1880)	
	GAUHGHER FLORA (1880)	
	GIEZENDANNER JACK (1880)	
	GOLDEN THEO (1880)	
	HUNT KATHY L (1880)	
	KELLY DOROTHY (1880)	
	LAWRENCE MARILYN E (1880)	
	LINDBURG NEVA B MRS (1880)	
	LOMBA A (1880)	
	MAC NEIL ARTH (1880)	
	MC KEE LARRY J (1880)	
	NELSON WILMA (1880)	
	NOWELL FLORENCE S MRS (1880)	
	SHAW WILLIE F (1880)	
	TRIBE HANS (1880)	
	TRONCOSO GEO (1880)	
	WAGENET CLIFF (1880)	

Year	Uses	Source
1967 (continued)		
	ADAMS MORNA L (1906)	
	ALEXANDRIA THE APTS (1906)	
	ANDERSON HELEN L MRS (1906)	
	BOOTH BILL (1906)	
	CARLSON HARRY M (1906)	
	EDWARDS CLIFFORD G (1906)	
	FOWELL G BILL (1906)	
	GACHIS JOAN (1906)	
	GRYNBERG ADOLFO (1906)	
	HANCOCK JAMES W (1906)	
	NUNN MARION G MRS (1906)	
	POWELL DOROTHY MRS (1906)	
	REPP DALE (1906)	
	TOM RICHO (1906)	
	TURNER REBA A (1906)	
	WALKER OTIS H (1906)	
	****LAKESIDE DR****	R. L. Polk Co.
	CHEMICAL CORP MFRS (220)	
	FL KAISER ALUMINUM P (220)	
	24TH FL KAISER CEMENT F GYPSUM (230)	
	24TH FL KAISER GYPSUM CO INC (230)	
	DEPARTMENT CLINIC 271 23 P (230)	
	FL KAISER STEEL CORP (230)	
	KAISER CENTER MEDICAL (230)	
	8 ECHTEL S D (244)	
	APARTMENTS (244)	
	BEDFORD C P (244)	
	DOE RILEA W (244)	
	EKLUND N 0 JR (244)	
	EVANS J M (244)	
	FITZGERALD P M MRS (244)	
	FONTAINE W R (244)	
	GIBSON H R MRS (244)	
	GREENLEE F S MRS (244)	
	HUSING WM P (244)	
	LA 80 YTEAUX C F (244)	
	LIPMAN E C MRS (244)	
	LOHSE J L (244)	
	MANCINT J (244)	
	MOORE E L (244)	
	SPENCE H R (244)	
	STUART J L (244)	
	SWAN SHERWOOD (244)	

Year	Uses	Source
1967	(continued)	
	24TH FL PERMANENTE STEAMSHIP (271)	
	24TH FL PERMANENTE TRUCKING CC (271)	
	25TH FL GLACIER SAND GRAVEL (271)	
	25TH FL KAISER AEROSPACE & ELECTRONIC COOP (271)	
	25TH FL KAISER FOUNDATION (271)	
	25TH FL KAISER JEFP CORP MFPS (271)	
	25TH FL KAISER SAND R GRAVEL (271)	
	26TH FL KAISER INDUSTRIES CORP (271)	
	26TH FL KAISFR SFRVICES OPGS (271)	
	28TH FL KAISER BROADCASTING (271)	
	28TH FL KAISER HAWAII (271)	
	COMMUNITY DEVELOPMENT (271)	
	DEVELOPMENT CO UPRAN (271)	
	HEALTH PLAN INC N PG (271)	
	STEEL (271)	
	BANK OF AMERIC (300)	
	BROKERS (300)	
	CAMERA SHOPS INC (300)	
	FIRST CALIFORNIA TITLE CO (300)	
	FLOORS (300)	
	HOGAN EVERS FLORWERS (300)	
	HOOPERS CANDY SHOP (300)	
	KAISER CENTER BUILDING (300)	
	LANAI BARBER SHOP (300)	
	LANAI NEWSTAND (300)	
	LANAI PHARMACY (300)	
	LANAI SHOE REPAIR (300)	
	LEASING (300)	
	LUFTHANSA GERMAN AIR LINES (300)	
	MC ALISTER LEASING CO AUTO (300)	
	MITCHUM JONES & TEMPLETON STOCK (300)	
	RAUST GEO T JEWELERS (300)	
	U S P (300)	
	UNITED AIR LINES TICKET OFC (300)	
	WILLIAMS ROBT LTD MENS CLO (300)	
	****MADISON ST****	R. L. Polk Co.
	BENNETT C SUEDE (1800)	
	COHEN FELIX G (1800)	
	HANDLERY PAUL (1800)	
	KUSHINS CHARLES (1800)	
	LAKE MERRITT HOTEL (1800)	
	WALSH ELSIE C MRS (1800)	
	****19TH ST****	R. L. Polk Co.

Year	Uses	Source
1967	(continued)	
	SCHERMAN ROSE MRS 893 S (110)	
	VACANT (112)	
	VACANT (112)	
	KADO FELIX V (114)	
	NO RETURN (115)	
	ARNOLD SARAH MRS (116)	
	A SAKAR LOUIS G (177)	
	KNOWLTON GERALD D (177)	
	LAKE ROYAL APARTMENTS (177)	
	LAMONTE HARRY F (177)	
	VACANT (201)	
	VACANT (201)	
	HAUGEN CHESTER (202)	
	ROBINSON VIVIAN (202)	
	PURSEL ROBT (203)	
	VACANT (203)	
	RICHMOND IRENE (204)	
	VACANT (204)	
	JOHNSON DORIS (205)	
	SHERMAN ALAN (205)	
	NELSON CARL (206)	
	VACANT (206)	
	GAUEN CHARLES (207)	
	VACANT (207)	
	AUSTEN KENNETH (208)	
	WILSON THOS (208)	
	REEVE SHARON (209)	
	VACANT (209)	
	PHILIPPY DEAN (210)	
	STORIE CONNIE A MRS (210)	
	STROUP WM J JR (211)	
	VACANT (211)	
	0 AHL C MRS (212)	
	BILLS FRED J (212)	
	BOGGS C M MRS (212)	
	COHEN M K (212)	
	CRANE WHITFIELD (212)	
	CZIZEK J (212)	
	DOWELL W J (212)	
	EPPERSON (212)	
	FISHER R E (212)	
	FOSTER J (212)	
	FRIEDMAN 0 MRS (212)	

Year	Uses	Source
1967	(continued)	
	GARDNER G MRS (212)	
	HART LOIS E (212)	
	HEITMULLER H D (212)	
	KESSLER N (212)	
	LA FAYETTE M (212)	
	LAWRENCE H M (212)	
	LIND ANN E (212)	
	LINO S N (212)	
	MOORE C R (212)	
	MOORE R STUART (212)	
	PETERS EDWIN L (212)	
	PHILIPS J C (212)	
	POLLARD W H MRS (212)	
	REGILLUS APARTMENTS (212)	
	RICHMOND J MRS (212)	
	SIMON ESTHER B (212)	
	SLOEY C N (212)	
	SMITH H B (212)	
	SNYDER C (212)	
	STONE R E (212)	
	VACANT (212)	
	WAIWAIOLE AMMON (212)	
	WEISER GEO J (212)	
	ZIMMERMAN VERNON (212)	
	WESTERLUND HARRY F (214)	
	HUMMEL DONALD (215)	
	VACANT (216)	
	OAKLAND MUSEUMS ASSN (274)	
	SNOW MUSEUM (274)	
	BUDGET CLEANERS (295)	
	I MC CALLY OEANA MRS (301)	
1970	**JACKSON ST**	R. L. Polk & Co.
	RONALD LUMBER & BUILDING SUPPLY CO (1717)	
	SANDERSON MARGT MRS REAR BRUNN RICHD A (1875)	
	MOUNT EDEN BARBER SHOP (1917)	
	KIMBERLY BEAUTY SALON (1925)	
	REDS APPLIANCE SLS & SERV (1925)	
	LAKESIDE DR	R. L. Polk & Co.
	KAISER CENTER LOBBY (300)	
	W JACKSON ST	R. L. Polk & Co.
	RONALD LUMBER & BUILDING SUPPLY CORP HAYWARD (1717)	

Year	Uses	Source
1970	(continued)	
	17TH ST	R. L. Polk & Co.
	ANDERSON EMIL C (150)	
	BECKFORD RUTH (150)	
	BELL EDW I (150)	
	BLOOM EMILY MRS (150)	
	BRITTING CHRISTINE MARTIN (150)	
	CAMPBELL MARSTON JR (150)	
	CAMPBELL VICTORIA (150)	
	CHAMBERLIN HAZEL MRS (150)	
	COMAN DANL J (150)	
	DE VERA PAUL (150)	
	EVERSON M (150)	
	FORTIER EDNA (150)	
	GELLERMAN W J (150)	
	GUZMAN TED (150)	
	JEREMIAS I L MRS (150)	
	KENYON A (150)	
	KING GWENDOLYN M (150)	
	LANDRES H C (150)	
	MARTINEZ ANNE (150)	
	MORSE JANE (150)	
	MUHLMANN DOROTHY M (150)	
	MURPHY J A JR (150)	
	MURRAY MARIE C MRS (150)	
	MUSLADIN WM M (150)	
	NOBLE H E MRS (150)	
	O TOOLE J A (150)	
	RASMUSSEN SOREN MRS (150)	
	SLEE MARJORIE M MRS (150)	
	SMITH HILDA G MRS (150)	
	SNIFFEN GENEVIEVE W (150)	
	STEPHENS V G (150)	
	TOLAN JOHN H SR MRS (150)	
	TUDOR HALL APARTMENTS (150)	
	TWINING H F (150)	
	ULSH HOWARD M (150)	
	VOLKER CARL F (150)	
	WALKER MARION (150)	
	SNAPPY LAUNDRY (153)	
	LAKE QUALITY CLEANERS (155)	
	AMIDON GARY R (159)	
	BALL MURLINE (159)	
	BLAUSTEIN DAVID (159)	

Year	Uses	Source
1970	(continued)	
	COLONIAL LAKE APARTMENTS (159)	
	IVERSON J K (159)	
	IVERSON L M (159)	
	LIMPF DARRYL (159)	
	MCCLELLAN M K (159)	
	MCDONALD C T (159)	
	WALDEN MARGARET (159)	
	WIGHT ANNE M (159)	
	WINTER JEANNETTE (159)	
	BRAND ROBIN (160)	
	CROOP CLARA MRS (160)	
	DUNWOODY L M (160)	
	HAIST F (160)	
	LAKE VISTA APARTMENTS (160)	
	MEARS S (160)	
	RICE JOSEPHINE (160)	
	SNYDER MAX M (160)	
	WALLACE & CO GENL INS AGCY (160)	
	WEBB L R (160)	
	CALIF-NEVADA METHODIST HOMES (212)	
	ARRINGTON THOS A (245)	
	BAY JERRY L (245)	
	BERKHEISER M (245)	
	BLUM BILLIE JEAN (245)	
	BLUM RAYMOND L (245)	
	COOPER ELIZABETH M (245)	
	COOPER WARNER L (245)	
	CURRY MARION M (245)	
	CURRY WAYMAN E (245)	
	DARLING WM M (245)	
	DAVIDSON LENOR J (245)	
	DEL GADO LAWRENCE A (245)	
	EITTREIM DONALD D (245)	
	FRYE RUTH A (245)	
	HILDEBRAND CLIFTON (245)	
	HITCH HUGH G (245)	
	KNIGHT EVELYN E (245)	
	KOCH L P (245)	
	MARCINEK TERRANCE (245)	
	MATSON ALICE R (245)	
	MATSON ARCHIE R (245)	
	MCANDREWS C A (245)	
	MURPHY ELAINE (245)	

Year	Uses	Source
1970	(continued)	
	RASMUSSEN T E (245)	
	SANDERS BETTE R (245)	
	WHITE DONALD L (245)	
	EAST BAY MUNICIPAL UTILITY DISTRICT (250)	
	CANNERY WORKERS UNION NO 750 IBT (266)	
	TEAMSTERS UNION LOCALS (266)	
	DAUGHTERS OF ST PAUL (278)	
	ST PAUL CATHOLIC BOOK & FILM CENTER (278)	
	BRUSH FRANK A STANWELL WM CO RL EST LOANS (285)	
	CENTRAL CREDIT UNION OF CALIF (285)	
	CENTRAL INSURANCE AGENCY (285)	
	CUNA MUTUAL INSURANCE SOCIETY (285)	
	EAST BAY POSTAL CREDIT UNION (285)	
	GOVERNMENT SERVICE CREDIT UNION (285)	
	HOLMGREN STANFORD L STANWELL WM CO RL EST LOANS (285)	
	INWOOD CREDIT UNION (285)	
	METROPOLITAN CREDIT UNION (285)	
	STANWELL WM CO RL EST LOANS (285)	
	****ALICE WAY****	R. L. Polk & Co.
	AKERS CLAYTON MRS (1850)	
	AMES BURTON MRS (1850)	
	AUGUSTUS W O MRS (1850)	
	BALDWIN ROBERT L MRS (1850)	
	BALLARD S E MRS (1850)	
	BAXTER BRUCE R MRS (1850)	
	BELL J (1850)	
	BLAKE ROBERT MAJ GEN USMC RET (1850)	
	BLANCKENBURG G B (1850)	
	BREAKEY H A MRS (1850)	
	BROWN HUGH F MRS (1850)	
	BROWN MARY BELLE (1850)	
	BURROUGHS TRAVIS P (1850)	
	CAMP CONSTANCE MRS (1850)	
	CAMPBELL ETHEL L (1850)	
	COCHRAN MARJORY B MRS (1850)	
	COX MAURICE C (1850)	
	CURRIER FARNSWORTH (1850)	
	DAWSON KATHLEEN (1850)	
	DECKER RAY (1850)	
	DEXTER B D (1850)	
	DODGE ADIEL Y (1850)	
	DOE LILLIAN M MRS (1850)	

Year	Uses	Source
1970	(continued)	
	DOIDGE J ERNEST (1850)	
	DRENNAN T C MRS (1850)	
	FARRAR ELLA M MRS (1850)	
	FINGER CLYDE MRS (1850)	
	FRENCH HUMBOLDT (1850)	
	FRENCH HUMBOLDT (1850)	
	FULLER RAYMOND S MRS (1850)	
	GALLAGHER FLORA D (1850)	
	GARDNER IDA S (1850)	
	GIFFORD MYRTIE M (1850)	
	HALLIDAY J A MRS (1850)	
	HASS LEON MRS (1850)	
	HAZELTON SYDNEY N (1850)	
	HEINRICH E O MRS (1850)	
	HEMINGWAY J C MRS (1850)	
	HOAGLAND ESTHER C (1850)	
	HUFFMAN MYRTLE L (1850)	
	HUNT R H MRS (1850)	
	INGALLS A ELIZABETH MRS (1850)	
	INNES W E MRS (1850)	
	JACOBS RALPH P MRS (1850)	
	KEENEY HELEN (1850)	
	LA BOYTEAUX C E (1850)	
	LAKE PARK RETIREMENT RES (1850)	
	LARKIN EVELYN (1850)	
	LEACH THOS ERNEST MRS (1850)	
	LICHTIG GENEVIEVE H (1850)	
	LIPP CHAS S MRS (1850)	
	LUCAS FRANK P MRS (1850)	
	MACDONALD ALICE (1850)	
	MACMICHAEL RUTH MRS (1850)	
	MATIGNON MELANIE L MRS (1850)	
	MCALLISTER OSCAR MRS (1850)	
	MCLEOD LESTER C MRS (1850)	
	MERRIAM WALLACE (1850)	
	MITCHELL ZELLA MRS (1850)	
	MOORE META M MRS (1850)	
	MORING G F (1850)	
	NAYLOR ELLA G (1850)	
	NEWTON E A (1850)	
	OTT EVA M (1850)	
	PEDERSEN PETER O (1850)	
	PETERSON LOLITA (1850)	

Year	Uses	Source
1970	(continued)	
	POTTER LYLLIAN MRS (1850)	
	POWER ROBT E (1850)	
	PUTZEL MYRON G (1850)	
	SCHMALHOLZ JEANNETTE (1850)	
	SCHULTZ HERBERT D MRS (1850)	
	SCHULZ EDWARD H MRS (1850)	
	SCROGGY LOUISE (1850)	
	SHEPHERDSON H F MRS (1850)	
	SHERRICK H L MRS (1850)	
	SIMPSON WALTER C (1850)	
	SOUZA MAY L (1850)	
	STANLEY OWEN G MRS (1850)	
	STOKELY ANNA MAY MISS (1850)	
	STRAND DAVID D (1850)	
	THAYER PHILIP R MRS (1850)	
	TRIVETT PERRIN B (1850)	
	VAN NESS FRANCIS E (1850)	
	VAN PRAAG SALLY MISS (1850)	
	WARNER ROY E (1850)	
	WEBSTER LULU MRS (1850)	
	****HARRISON ST****	R. L. Polk & Co.
	DUNCAN RODERIC LEMPRES & SEYRANIAN ATTYS (1801)	
	HARPER A O COMPANY (1801)	
	HERZOG DON G RL EST (1801)	
	LEMPRES & SEYRANIAN ATTYS (1801)	
	LEMPRES DANL N LEMPRES & SEYRANIAN ATTYS (1801)	
	MC KEEN-HERZOG MANAGEMENT CORP (1801)	
	MCKEEN & ASSOCIATES (1801)	
	MERRITT INVESTMENT FUND (1801)	
	MORGAN J BERT LEMPRES & SEYRANIAN ATTYS (1801)	
	SEYRANIAN LEON G LEMPRES & SEYRANIAN ATTYS (1801)	
	WULFSBERG H JAMES LEMPRES & SEYRANIAN ATTYS (1801)	
	AHERN JOHN J ROONEY IDA NOLT & AHERN CPAS (1805)	
	BLUM LORIN B LOUBE LEWIS & BLUM ATTYS (1805)	
	CHAPMAN THOS W ROONEY IDA NOLT & AHERN CPAS (1805)	
	CLARK RICHARD A ROONEY IDA NOLT & AHERN CPAS (1805)	
	FOWLER FRANK Y ROONEY IDA NOLT & AHERN CPAS (1805)	
	FRIEDMAN LAWRENCE D LOUBE LEWIS & BLUM ATTYS (1805)	
	LEWIS ROBT E LOUBE LEWIS & BLUM ATTYS (1805)	
	LOUBE IRVING LOUBE LEWIS & BLUM ATTYS (1805)	
	LOUBE LEWIS & BLUM ATTYS (1805)	
	NOLT ROBT J ROONEY IDA NOLT & AHERN CPAS (1805)	
	REED CHARLES S ROONEY IDA NOLT & AHERN CPAS (1805)	

Year	Uses	Source
1970	(continued)	
	ROONEY HENRY J ROONEY IDA NOLT & AHERN CPAS (1805)	
	ROONEY IDA NOLT & AHERN CPAS (1805)	
	WEAVER GORDON C ROONEY IDA NOLT & AHERN CPAS (1805)	
	WRINKLE ROBERT S LOUBE LEWIS & BLUM ATTYS (1805)	
	ALAMEDA COUNTY CITY & COUNTY EMPLOYEES CREDIT UNION (1824)	
	CITY & COUNTY EMPLOYEES CREDIT UNION OF ALAMEDA COUNTY (1824)	
	COUNTY EMPLOYEES CREDIT UNION OF ALAMEDA COUNTY (1824)	
	NATIONAL AUTOMOBILE CLUB (1826)	
	****JACKSON****	R. L. Polk & Co.
	BELLANDI MARIO N (1880)	
	BOIES G T (1880)	
	BOYNTON V (1880)	
	BRANDON THOS D (1880)	
	CRYAN E S DR DC (1880)	
	FINCH NANCY (1880)	
	FOLLETTE JUSTIN P (1880)	
	GIEZENDANNER JACK (1880)	
	GOLDEN THEODORE (1880)	
	HARRIS A (1880)	
	KELLY DOROTHY (1880)	
	LOMBA L F (1880)	
	NELSON WILMA I (1880)	
	NOWELL GEO MRS (1880)	
	WAGENET CLIFFORD (1880)	
	ADAMS MORNA L (1906)	
	ANDERSON H L MRS (1906)	
	BEASLEY B J (1906)	
	EDWARDS CLIFFORD G (1906)	
	FOLSOM JOHN H (1906)	
	FOWELL GEO BILL (1906)	
	GIANNOTTI S (1906)	
	GRYNBERG ADOLFO (1906)	
	MANSONEN CECELIA (1906)	
	TOM RICHARD (1906)	
	TURNER RONALD J (1906)	
	SWEDISH INFORMATION SERVICE SAN FRANCISCO (1960)	
	****LAKESIDE DR****	R. L. Polk & Co.
	BECHTEL STEPHEN D (244)	
	BEDFORD CLAY P (244)	
	CUSHING PAUL J (244)	
	EKLUND NILS O JR (244)	

Year	Uses	Source
1970	(continued)	
	FITZGERALD ROBT M MRS (244)	
	FONTAINE W R MRS (244)	
	GIBSON H R MRS (244)	
	GREENLEE F S MRS (244)	
	HURD SHELLEY P MRS (244)	
	KETSDEVER SHERLEY MRS (244)	
	LAKESIDE CORP (244)	
	LIPMAN E C MRS (244)	
	MANCINI JOHN A (244)	
	MOORE E MRS (244)	
	O SHEA JOHN P (244)	
	PEDERSEN KATE G MRS (244)	
	POND C P JR MRS (244)	
	SHUEY HERBERT S (244)	
	SKAGGS M B (244)	
	SPENCE HOMER R JUDGE (244)	
	STUART J L (244)	
	SWAN SHERWOOD (244)	
	TWO-FORTY FOUR LAKESIDE DRIVE (244)	
	BANK OF AMERICA N T & S A (300)	
	KAISER AETNA (300)	
	KAISER BROADCASTING CORPORATION (300)	
	KAISER CENTER AUDITORIUM (300)	
	KAISER CENTER INC (300)	
	KAISER STEEL CORPORATION (300)	
	LANAI TOBACCO SHOP (300)	
	MANNING S AT KAISER CENTER (300)	
	RAUST GEO T JWLRY ENGRVR (300)	
	UNDERWRITERS SERVICE INC (300)	
	UNITED AIR LINES (300)	
	UNITED STATES GOVERNMENT (300)	
	****MADISON ST****	R. L. Polk & Co.
	COHEN FELIX G (1800)	
	CUTTER CAROL (1800)	
	GRIMES PETER WARNECKE MRS (1800)	
	HOTEL LAKE MERRITT (1800)	
	LAKE MERRITT HOTEL (1800)	
	LAKE MERRITT HOTEL RESTAURANT (1800)	
	MCCULLOUGH MARIE MRS (1800)	
	****19TH ST****	R. L. Polk & Co.
	AGOSTINI MARY DE BOW MRS (177)	
	ARCHER F M (177)	
	ARNOLD EDW J (177)	

Year	Uses	Source
1970	(continued)	
	BAKAR CECELIA (177)	
	BAKAR LOUIS G (177)	
	BIGELOW ERNEST A (177)	
	BREWEN MAX M (177)	
	BROWN FORREST E (177)	
	BURROUGHS GEO T (177)	
	CARY CHAS A (177)	
	CONLAN MARIE L (177)	
	DOBBINS HUGH LLOYD (177)	
	DONOVAN J D (177)	
	DOUGLAS SANFORD R MRS (177)	
	DREIMAN R N (177)	
	FORMAN G H (177)	
	FREESE HARRY MRS (177)	
	FRUG ANNE S (177)	
	GIBSON COLIN C (177)	
	GRAESER ELIZABETH B MRS (177)	
	HANWAY EARL E (177)	
	HARRIS NEAL BOTTARI HOLLAND & ZARLEY INS (177)	
	HOUSEKEEPER EDMOND T (177)	
	HOVSEBIAN HAIQ (177)	
	JESSUP E B MRS (177)	
	JOHNSON CURTIS B MRS (177)	
	KEWELL F C (177)	
	KRAMM JOS W MRS (177)	
	LAKE ROYAL APARTMENTS MGRS OFC (177)	
	LAND J D (177)	
	LEWIS HARRIS (177)	
	LOGUE BLAIR MRS (177)	
	MACKERT ROBT D (177)	
	MCCOLLUM V (177)	
	MEATH ALMA (177)	
	MITCHELL MAURICE E (177)	
	MOE RICHARD F (177)	
	NAYLOR MARGARET C (177)	
	NAYLOR WM L (177)	
	OBER JOHN R (177)	
	OBER RUTH (177)	
	PARRISH MARRIAN S (177)	
	PARRISH PAUL H (177)	
	RIZZO N L (177)	
	ROSE ETTA (177)	
	RUSH JOHN M (177)	

Year	Uses	Source
1970	(continued)	
	SCHERMAN J MRS (177)	
	SHANE LOTTIE (177)	
	SMITH J ERNEST MRS (177)	
	SOUSA JOHN R (177)	
	STEWART MARTHA A (177)	
	SWAYNE LLOYD (177)	
	TRULSON MARIE M (177)	
	WOOLNER BEN F MRS (177)	
	YOUNG JOSEPH YOVINO ATTY (177)	
	YOVINO-YOUNG JOSEPH ATTY (177)	
	UNIVERSITY CLUB THE (201)	
	ABLE VERNON CASH ASSOCIATES (212)	
	BILLS FRED J (212)	
	BOGGS CHARLOTTE M MRS (212)	
	COHEN MORRIS K MRS (212)	
	CRANE WHITFIELD DR (212)	
	CZIZEK J A (212)	
	DOWELL W J MRS (212)	
	EPPERSON ADDYS (212)	
	FINE O W SANDY (212)	
	FOSTER JAS O (212)	
	GARDNER GRACE MRS (212)	
	HARDMAN JAS B (212)	
	HEALD W S R ADM USN RET (212)	
	KESSLER NAT (212)	
	LAWRENCE RAYMOND (212)	
	LUNDEGAARD E M MRS (212)	
	MARKS S B (212)	
	MILLS JOHN P JR (212)	
	MOORE CARL R (212)	
	MORAES JACK C (212)	
	POLLARD W H MRS (212)	
	REGILLUS APARTMENTS (212)	
	RIEDSTRA SAM (212)	
	SIMON ESTHER B (212)	
	SIMON PHILIP W (212)	
	YOUNG BRUCE F (212)	
	BUDGET CLEANERS (295)	
1973	****HARRISON ST****	Pacific Telephone
	DUNCAN RODERIC LEMPRES DUNCAN & MORGAN PROFESSIONAL CORP ATT (1801)	
	LOUBE & LEWIS ATTYS (1805)	
	NATIONAL AUTOMOBILE CLUB (1826)	

Year	Uses	Source
1973	(continued)	
	MADISON AVE	Pacific Telephone
	ORTEGA PAUL (1893)	
1975	**17TH ST**	Pacific Telephone
	BALHA MARGARET M (150)	
	BECKFORD RUTH (150)	
	BLAKE REBECCA H (150)	
	BROUNER IL (150)	
	BUCHANAN N L (150)	
	BUTLER H CHAS (150)	
	CAMPBELL VICTORIA (150)	
	CHAMBERLIN HAZEL MRS (150)	
	COMAS DANI J (150)	
	CREED LEONARD (150)	
	DE VERA PAUL (150)	
	DONNER C HET W (150)	
	DORAN NOEL (150)	
	ERICKSON SJ (150)	
	EVERSON M (150)	
	FORTIER EDNA (150)	
	GASH FRANCES M MRS CHR SCL PR (150)	
	JEREMIAS I L MRS (150)	
	JOHNSON DONALD F (150)	
	LANDRES H C (150)	
	MARTINEZ ANNE (150)	
	MORSE JANE (150)	
	MUHILMEEN DOROTHY M (150)	
	MURPHY J AJR (150)	
	MURRAY MARIE C MRS (150)	
	NOBLE H B MRS (150)	
	OZEN NELLIE R (150)	
	POOL ERMA K (150)	
	A-VETERINARY LABORATORIES (153)	
	LAKE QUALITY CLEANERS (155)	
	BALL MURLINE (159)	
	COLONIAL LAKE APARTMENTS (159)	
	EGERMAN HOWARD (159)	
	GAMBLE C (159)	
	GREGORY J (159)	
	AGOSTON EDW (160)	
	FURTADO K I (160)	
	HARRINGTON RAY H (160)	
	MEANS S (160)	
	OCHIATO PHILIP (160)	

Year	Uses	Source
1975	(continued)	
	BLUM BILLIE JEAN (245)	
	BLUM RAYMOND L (245)	
	BOROCAMP FORD MRS (245)	
	BRITTO FRANCIS M (245)	
	DARLING WM M (245)	
	EITTREIM DONALD D (245)	
	FAHRBACH IRVIN R (245)	
	GLICK C L (245)	
	HILDEBRAND CLIFTON (245)	
	KNOX D (245)	
	KOCH LP (245)	
	LOKEY MARGARET G (245)	
	MARINKOVICH JACK (245)	
	MATSON ALICE R (245)	
	MATSON ARCHIE R (245)	
	EAST BAY MUNICIPAL UTILITY DISTRICT (250)	
	CANNERY WORKEF S U (266)	
	DAUGHTERS OF ST PAUL (278)	
	B & F BOOKKEEPING SERVICE (285)	
	CENTRAL CREDIT UNION OF CALIF (285)	
	EAST BAY POSTAL CREDIT UNION (285)	
	GOVERNMENT SERVICE CREDIT UNION (285)	
	INWOOD CREDIT UNION (285)	
	METROPOLITAN CREDIT UNION (285)	
	ALICE AVE	Pacific Telephone
	HIBNER CHAS MRS (1850)	
	ALICE CT	Pacific Telephone
	BLAKE ROBERT MAI GEN USMC RET (1850)	
	JUDKCINS T C MRS (1850)	
	ALICE WAY	Pacific Telephone
	BREAKEY HERBERT A MRS (1850)	
	COX MAURICE C (1850)	
	GALLAGHER FLORA D (1850)	
	HAVEN LILLIAN B (1850)	
	LAKE PARK (1850)	
	LOCKWOOD RUTH M MRS (1850)	
	MARKS CECILLE J (1850)	
	MC KITTRICK MYRTLE M MRS (1850)	
	MERRITAM WALLACE (1850)	
	OTT EVA M (1850)	
	HARRISON CT	Pacific Telephone
	HERZOG DON G RI ANT (1801)	

Year	Uses	Source
1975	(continued)	
	LEMPRES DUNCAN & WULFSBERG PROFESSIONAL CORP ATTYS (1801)	
	MC KEEN-HERZOG MANAGEMENT CORP (1801)	
	MC KREEN & ASSOCIATES (1801)	
	ALBERS DENNIS M LOUBE & LEWIS ATTYS (1805)	
	ARNOLD PENELOPE L ROONEY IDA NOLT & AHERN CPAS (1805)	
	FOWLER FRANK Y ROONEY IDA NOLT & AHERN CPAS (1805)	
	LOUBE & LEWIS ATTYS (1805)	
	LOUBE IRVING LOUBE & LEWIS ATTYS (1805)	
	LOWEN CLAUDE L LOUBE & LEWIS ATTYS (1805)	
	NATIONAL AUTOMOBILE CLUB DISTRICT OFFICE (1826)	
	****HARRISON RD****	Pacific Telephone
	DUNCAN RODERIC LEMPRUS DUNCAN & WULFSBERG PROFESSIONAL CORPO (1801)	
	****HARRISON ST****	Pacific Telephone
	GOODMAN RICHARD A ATTY (1805)	
	****JACKSON CT****	Pacific Telephone
	FUTAGAKI STAN (1880)	
	GREENE A M (1880)	
	****JACKSON ST****	Pacific Telephone
	ADAMICH E (1880)	
	BELLANDI MARIO N (1880)	
	LOZON ANDREW W (1880)	
	MARTIN DONALD (1880)	
	MEDEIROS JAHN V (1880)	
	NOWELL SEN MRS (1880)	
	BESIC DONALD (1906)	
	CORREA FRED (1906)	
	FOWELL GEO BILL (1906)	
	HERSHAL FRANK W (1906)	
	LEE ERNEST P (1906)	
	****LAKESIDE DR****	Pacific Telephone
	CROSS W R (151)	
	EMANS CHAS (151)	
	EUSTACE L E (151)	
	FANG J C (151)	
	FREIBERG HARRY (151)	
	JEDENOFF B V (151)	
	OKEEFFE C M (151)	
	OLIVER RM (151)	
	BEDFORD CLAY P (244)	
	CULVER IRVING S (244)	

Year	Uses	Source
1975	(continued)	
	ELLIS GEO C MRS (244)	
	GIBSON H R MRS (244)	
	LAKESIDE CORP (244)	
	LIPMAN E C MRS (244)	
	ORDWAY A B (244)	
	BUILDING OWNERS & MANAGERS ASSN (300)	
	GALLIANO JACK GRAPHC DESGNR (300)	
	JACK GATLIANO GRAPHC DESGNR (300)	
	KAISER CENTER AUDITORIUM (300)	
	LANAL BARBER SHOP KATSR CNTFR BLDG (300)	
	LARNAT JEWELRY & LOAN CO (300)	
	MANAGEMENT (300)	
	MANNING S AT KAISER CENTER (300)	
	OAKLAND SYMPHONY DEVELOPMENT OFC (300)	
	PAN AM. (300)	
	****MADISON CT****	Pacific Telephone
	MC CU HIOUGH MARIE MRS (1800)	
	****MADISON LN****	Pacific Telephone
	COHEN FELIX G (1800)	
	****19TH AVE****	Pacific Telephone
	GOLDSLTONE CHAS I (177)	
	****19TH ST****	Pacific Telephone
	AGOSTINI MARY DE BOW MRS (177)	
	ARCHER F M (177)	
	BAKAR LOUIS G (177)	
	BENJAMIN C L (177)	
	BIGELOW ERNEST A (177)	
	BREWEN MAX M (177)	
	BROWN FORREST E (177)	
	CARY CHAS A (177)	
	CONLAN ML (177)	
	DOUGLAS SANFORD R MRS (177)	
	FORMAN C H (177)	
	FREESE HARRY MRS (177)	
	FROG ANNE S (177)	
	GRAESER ELIZABETH B MRS (177)	
	HARRIS NEAL BOTTARI HOLLAND & ZARLEY INS (177)	
	HERSHAL M (177)	
	HINRICHSEN KEITH A (177)	
	HOUSEKEEPER EDMUND (177)	
	HOVSEBIAN HAIG (177)	
	LAKE ROYAL APARTMENTS MGRS OFC (177)	

Year	Uses	Source
1975	(continued)	
	LAND J D (177)	
	LERCH R BILL (177)	
	MACKERT ROBT D (177)	
	MARX WM (177)	
	MC COLLUM V (177)	
	MEATH ALMA (177)	
	OBTR LYNN T (177)	
	PARRISH MARRIAN S (177)	
	PARRISH PAUL H (177)	
	PATTERSON LOUIS E (177)	
	IRWIN HENRY H ATTY (201)	
	MOORE A J JR MOORE RODE CLIFFORD WOLFE & LARSON ATTYS (201)	
	MOORE RODS CLIFFORD WOIFE & LARSON ATTYS (201)	
	MORSE PAUL D ATTY (201)	
	BERK HENRIETTA (212)	
	CZIZEK JA (212)	
	DOWELL W J MRS (212)	
	GASPER MICHAEL (212)	
	BUDGET CIEANERS (295)	
1976	**HARRISON ST**	R. L. Polk & Co.
	LEMPRES & WULFSBERG PROFESSIONAL CORPORATION ATTYS (1801)	
	LEMPRES DAN I N LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (1801)	
1979	**HARRISON ST**	Pacific Telephone
	LEMPRES & WULFSBERG PROFESSIONAL CORPORATION ATTYS (1801)	
	LEMPRES DANI N LERMPRES & WULFSBERG PROFESSIONAL CORPORATION (1801)	
	LOUBE & LEWIS ATTYS (1805)	
	LAKESIDE DR	Pacific Telephone
	KELLY SERVICES (300)	
	HARRISON ST	Pacific Telephone
	DE GROOT CEES W (1812)	
	LAKESIDE DR	Pacific Telephone
	TICKET OFFICE (300)	
1980	**17TH ST**	Pacific Telephone
	ANDREWS T L (150)	
	BECKFORD RUTH (150)	
	BLAKE REBECCA H (150)	
	BUCHANAN N L (150)	
	BURROWS S (150)	

Year	Uses	Source
1980	(continued)	
	BUTLER H CHAS (150)	
	CAMPBELL VICTORIA (150)	
	CLEGG ROBT W (150)	
	DE VERA PAUL (150)	
	DORAN NOEL (150)	
	FONTAINE RALPH (150)	
	FORTIER EDNA (150)	
	GREGOR STUART (150)	
	HALL CEMENTINE (150)	
	HOFFMAN R J (150)	
	KRONER R (150)	
	MORSE JANE (150)	
	MURPHY J A JR (150)	
	NELSON T (150)	
	PARTIPILO VICTOR (150)	
	PIEKARCZYK JOHN (150)	
	PIERSON HARRIS P III (150)	
	REYNOLDS FRED D (150)	
	TUDOR HALL (150)	
	TWINING H F (150)	
	ULRICH EDW E (150)	
	ASKEY DENTAL LABORATORY (153)	
	LAKE QUALITY CLEANERS (155)	
	BALL MURLINE (159)	
	JOHNSON PHE PHE (159)	
	KAULL PAMELA (159)	
	ODOWD KEN (159)	
	PODHIPAK SUPARATANA (159)	
	RUECHELLE DAVID (159)	
	SCHNUR JEFFREY (159)	
	WRIGHT STANDLEY (159)	
	YANCEY SANDRA (159)	
	AGOSTON EDW (160)	
	HAMID MAHMOOD (160)	
	HARRINGTON RAY H (160)	
	KERR JUDITH (160)	
	MOHENG V J (160)	
	PRIZMICH ANDRE (160)	
	SETTLE K E (160)	
	SHUTES DELOISE A (160)	
	STAGGERS VERNON (160)	
	AGOSTINI MARY DE BOW MRS (245)	
	ANTHONY EDW (245)	

Year	Uses	Source
1980	(continued)	
	BAY JERRY L (245)	
	BORNCAMP FORD MRS (245)	
	EITTREIM DONALD D (245)	
	FRYE RUTH A (245)	
	HILDEBRAND CLIFTON (245)	
	HUFFMAN T D (245)	
	INGRAM THELMA B (245)	
	KOCH L P (245)	
	LOKEY MARGARET G (245)	
	MARINKOVICH JACK (245)	
	OCONNELL DOUGLAS & REBECCA (245)	
	SINGER BELLA MD (245)	
	STANTON C (245)	
	STEIN GEO H MD (245)	
	SWINDLER HANS (245)	
	WHITE DONALD L (245)	
	OAKLAND OFFICE (250)	
	PARAMOUNT EXPORT CO (278)	
	ADMINISTRATION NORTH REGION (285)	
	CENTRAL OAKLAND DAY TREATMENT (285)	
	CENTRAL OAKLAND MENTAL HEALTH CENTER (285)	
	****ALICE WAY****	Pacific Telephone
	ANDERSON R L (1850)	
	BAYBA A Y (1850)	
	BIGELOW ERNEST A (1850)	
	BIRD GRACE (1850)	
	BOHNERT G E (1850)	
	BREAKEY HERBERT A MRS (1850)	
	BURKHOLDER JEAN MRS (1850)	
	BURROUGHS TRAVIS MRS (1850)	
	CHICK D W (1850)	
	CHRISTENSEN C N (1850)	
	CLARK GEO S MRS (1850)	
	COX MAURICE C (1850)	
	CROWLEY FANNIE M (1850)	
	DE MELLO B (1850)	
	DEXTER B D (1850)	
	DRENNAN T C MRS (1850)	
	EALES H C (1850)	
	EARLE RICHARD T (1850)	
	FERRABEE E (1850)	
	FILBEN M H (1850)	
	FISH ADA J (1850)	

Year	Uses	Source
1980	(continued)	
	GILMAN A T (1850)	
	GRIFFETH GEORGE M MRS IRENE C (1850)	
	HAAS ALICE (1850)	
	HANSEN CHRISTINE M (1850)	
	HAZELTON SYDNEY N (1850)	
	HEMPHILL ARTHUR D & BERNICE (1850)	
	HIBNER CHAS MRS (1850)	
	HOLMES R H (1850)	
	HOPP B (1850)	
	HOWIE B C (1850)	
	HUNTER GERTRUDE (1850)	
	JUDKINS T C MRS (1850)	
	KING KATHERINE E (1850)	
	LAKE PARK (1850)	
	LE MIEUX EARL J MRS (1850)	
	LEA E C (1850)	
	LOCKWOOD RUTH M MRS (1850)	
	MANN SHERMAN J (1850)	
	MASON WALLACE A MRS (1850)	
	MC KITTRICK MYRTLE M MRS (1850)	
	MC NAUGHTON EDW F (1850)	
	MOORE META M (1850)	
	MORTON CARROLL T (1850)	
	NEWMAN BERNARD E (1850)	
	PARAMINO F (1850)	
	PEDERSEN PETER O (1850)	
	POWER ROBT E (1850)	
	RAGAN M (1850)	
	RESTON GLADYS I (1850)	
	ROMIE F E (1850)	
	RUEDY V E (1850)	
	SHAFFER ELLIOTT (1850)	
	SHUGG R P BRIG GEN RET (1850)	
	SLIGH J (1850)	
	SUESS M F (1850)	
	TAFT PAULINE (1850)	
	TRETHRIC D W (1850)	
	VAN PRAAG SALLY (1850)	
	WEBSTER R D (1850)	
	WESLEY ERNEST W (1850)	
	WESTLING LESTER L (1850)	
	WESTLING LESTER L SR (1850)	
	WILLIAMS LEICESTER H (1850)	

Year	Uses	Source
1980 (continued)		
	HARRISON ST	Pacific Telephone
	COBB CHARLES A LEMPRES & WUFFSBERG PROFESSIONAL CORPORATION (1801)	
	HARPER A O COMPANY (1801)	
	LEMPRES & WULFSBERG PROFESSIONAL CORPORATION ATTYS (1801)	
	LEMPRES DANL N LEMPRES & WULLSBERG PROFESSIONAL CORPORATION (1801)	
	MC KEEN MANAGEMENT CO (1801)	
	MC KEEN ROBERT & CO (1801)	
	MC NABB SANDRA J LEMPRES & WULFSBERG PROFESSIONAL CORPORATIO (1801)	
	MOLTER TIMOTHY I LEMPRES & WULFSHERG PROFESSIONAL CORPORATIO (1801)	
	PEREZ RICHARD L LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (1801)	
	SILVER WILLIAM M REALTOR (1801)	
	SLATOFF GREGORY O LEMPRES & WULFSBERG PROFESSIONAL CORPORATI (1801)	
	THOMAS RICHARD G LEMPRES & WULFSBERG PROFESSIONAL CORPORATIO (1801)	
	WULFSBERG H JAMES LEMPRES & WULFSBERG PROFESSIONAL CORPORATI (1801)	
	AHERN JOHN J ROONEY IDA NOLT & AHERN CPAS (1805)	
	ALBERS DENNIS M LOUBE LEWIS LOWEN & ALBERS ATTYS (1805)	
	ARNOLD PENELOPE L ROONEY IDA NOLT & AHERN CPAS (1805)	
	CHAPMAN THOS W ROONEY IDA NOLT & AHERN CPAS (1805)	
	CLARK RICHARD A ROONEY IDA NOLT & AHERN CPAS (1805)	
	FRY DOLORES R ROONEY IDA NOLT & AHERN CPAS (1805)	
	GILLIGAN MICHAEL L ROONEY IDA NOLT & AHERN CPAS (1805)	
	KLEIN MICHAEL S LOUBE LEWIS LOWEN & ALBERS ATTYS (1805)	
	LANDO ROBT E LOUBE LEWIS LOWEN & ALBERS ATTYS (1805)	
	LEWIS ROBT E LOUBE LEWIS LOWEN & ALBERS ATTYS (1805)	
	LOUBE IRVING LOUBE LEWIS LOWEN & ALBERS ATTYS (1805)	
	LOUBE LEWIS LOWEN & ALBERS ATTYS (1805)	
	LOWEN CLAUDE L LOUBE LEWIS LOWEN & ALBERS ATTYS (1805)	
	MAR LARRY ROONEY IDA NOLT & AHERN CPAS (1805)	
	MEDLIN DAVID R LOUBE LEWIS LOWEN & ALBERS ATTYS (1805)	
	NOLT ROBT J ROONEY IDA NOLT & AHERN CPAS (1805)	
	ROONEY HENRY J ROONEY IDA NOLT & AHERN CPAS (1805)	
	ROONEY IDA NOLT & AHERN CPAS (1805)	
	WEAVER GORDON C ROONEY IDA NOIT & AHERN CPAS (1805)	

Year	Uses	Source
1980 (continued)		
	BEKELEY EAST BAY FLOOR SERVICE (1824)	
	BERKELEY FLOOR CO (1824)	
	BERKELEY HOUSE & WINDOW CLEANING CO INC (1824)	
	EAST BAY FLOOR (1824)	
	JACKSON ST	Pacific Telephone
	CUNNINGHAM IKE (1880)	
	CURRY D A (1880)	
	CZIZEK J A (1880)	
	DESTE ELEANOR MRS (1880)	
	DRONEN ELYCE (1880)	
	ESTALL YVONNE (1880)	
	LEWIS JOHN A (1880)	
	MEDEIROS JOHN B (1880)	
	MENDENHALL M (1880)	
	ROBISON M DORWIN MRS (1880)	
	STOCKWELL D A (1880)	
	WAGENET CLIFFORD (1880)	
	WALTON BENNY (1880)	
	ANTIQUE & FINE ART APPRAISAL & RESTORATION (1906)	
	ARRONIZ MANOLO (1906)	
	CORRIGAN NANCY (1906)	
	EDWARDS RICHARD N (1906)	
	FOWELL GEO BILL (1906)	
	HERSHAL FRANK W (1906)	
	KUO ANDREW K MASTER OF ART RESTORATION (1906)	
	WILLIAMS MAURICE R DR (1906)	
	WONG DAVID BRUCE (1906)	
	SWEDISH INFORMATION SERVICE (1960)	
	LAKESIDE DR	Pacific Telephone
	BLANK LEO MRS (151)	
	BRADLEY DARYL W (151)	
	CANDIS ROBT N (151)	
	CROSS W R (151)	
	CUNNINGHAM CATHLEEN (151)	
	DE VILLE FRANK (151)	
	EDWARDS MICHAEL T (151)	
	FANG J C (151)	
	GIBSON J H (151)	
	GORDON ALAN (151)	
	GRANT B R (151)	
	ISAAK MERLYN (151)	
	KLINE K A (151)	
	LAMB JACK T (151)	

Year	Uses	Source
1980	(continued)	
	LEAGUE VINCENTE C (151)	
	NOSHAY RICK (151)	
	PIELAGE M (151)	
	RASSMUSSEN PAUL (151)	
	REYNOLDS MICHAEL (151)	
	RICK (151)	
	SLOVACEK STEPHEN (151)	
	SNYDER T (151)	
	THOMPSON HOMER JR (151)	
	WAYNE SHIRLEY (151)	
	WILLIAMS DRAGNA (151)	
	WISHART I M (151)	
	YORK RICHARD L REV (151)	
	BEST MC THE (200)	
	BEST MC THE BEAUTY CENTRE (200)	
	CHOW T P (200)	
	REGILLUS APARTMENTS (200)	
	SANDFORD J (200)	
	STORK DAVID R (200)	
	STORK ROBT J MRS (200)	
	WALTON LEE (200)	
	WILCOX CARL E & NADEAN (200)	
	WINSTON LEW E (200)	
	WINSTON MARIE SORELLE MRS (200)	
	BEDFORD CLAY P JR (244)	
	CHICK GILBERT HYDE MRS (244)	
	CONEY J J (244)	
	CULVER IRVING S (244)	
	ELLIS GEO C (244)	
	FERROGGIARO FRED A (244)	
	FURBUSH C G (244)	
	GATES MILO TALMAGE MRS (244)	
	GILCHRIST GUY G (244)	
	HEACOCK B C (244)	
	LAKESIDE CORP (244)	
	MOORE E MRS (244)	
	OSHEA JOHN P (244)	
	SHUEY HERBERT S (244)	
	SPENCE HOMER R JUDGE (244)	
	STUART J L (244)	
	TWO FORTY FOUR LAKESIDE DRIVE (244)	
	VESPER HOWARD G (244)	
	AETNA DIVERSIFIED PROPERTIES KAISER CENTER (300)	

Year	Uses	Source
1980	(continued)	
	BROADWAY 21ST (300)	
	BUILDING OWNERS & MANAGERS ASSN (300)	
	C T S (300)	
	CARDWELL DON COLOR CONSULTANT (300)	
	KAISER ALUMINUM INTERNATIONAL (300)	
	KAISER CENTER INC (300)	
	KAISER REFRACTORIES (300)	
	KELLY HEALTH CARE (300)	
	KAISER BUILDING (300)	
	KAISER CENTER (300)	
	KAISER CENTER (300)	
	KAISER CENTER (300)	
	KAISER CENTER (300)	
	KAISER CENTER BRANCH (300)	
	KAISER EMPLOYEES FEDERAL CREDIT UNION (300)	
	KAISER INDUSTRIES CORPORATION (300)	
	KAISER INTERNATIONAL SERVICES (300)	
	KATZ L J MFG CO (300)	
	KATZ L J MFG CO (300)	
	LANAI CLEANERS THE (300)	
	LANAI TAILORS & ALTERATIONS (300)	
	LARNAT JEWELERS INC (300)	
	LARNAT JEWELRY & LOAN CO (300)	
	MANNINGS KAISER CENTER (300)	
	OAKLAND COMMERCIAL INDUSTRIAL INVESTMENT SALES AND LEASING (300)	
	OAKLAND OFC (300)	
	REED SHAW STENHOUSE INC OF CALIFORNIA (300)	
	VALENTINE GEORGE E CPM MASON MC DUFFIE CO (300)	
	****MADISON ST****	Pacific Telephone
	COHEN FELIX G (1800)	
	GURNOY AHMET (1800)	
	HOTEL LAKE MERRITT (1800)	
	LAKE MERRITT HOTEL (1800)	
	LAKE MERRITT HOTEL RESTAURANT (1800)	
	VON SCHMIDT M (1800)	
	****19TH ST****	Pacific Telephone
	ARNOLD MARIE V (177)	
	BAKAR LOUIS G (177)	
	BELLANDI MARIO N (177)	
	BENJAMIN C L (177)	
	BERGEN S F DR (177)	
	BREWEN MAX M (177)	

Year	Uses	Source
1980	(continued)	
	BROWN FORREST E (177)	
	CARY CHAS A (177)	
	DOBBINS MALVINA (177)	
	DREIMAN R N (177)	
	FRUG ANNE S (177)	
	GOLDSTONE CHAS I (177)	
	GOLDSTONE CHAS I (177)	
	GRAESER ELIZABETH B MRS (177)	
	GREGOR MAXWELL (177)	
	HERLIHY DANIEL J (177)	
	HERSHAL M (177)	
	HINRICHSEN KEITH A (177)	
	HOVSEBIAN HAIG (177)	
	JOHNSON CURTIS B MRS (177)	
	LAKE ROYAL APARTMENTS MGRS OFC (177)	
	LAND J D (177)	
	LERCH R BILL (177)	
	MARCUS MARK (177)	
	MARX WM (177)	
	MC NEILL ELYANE (177)	
	MC NEILL ROYCE (177)	
	MEATH ALMA (177)	
	MILENBACH LOUIS J (177)	
	MOHR FRANK C (177)	
	PARRISH PAUL H (177)	
	REIDT WM D (177)	
	RES (177)	
	RES (177)	
	RIZZO N L (177)	
	ROIZEN MANNY (177)	
	RUSH JOHN M (177)	
	SCHERMAN J MRS (177)	
	SILVER A ROBT MRS (177)	
	SINAI WM W MRS (177)	
	STEWART MARTHA A (177)	
	STONE L (177)	
	SWAYNE LLOYD (177)	
	TAGGART ROBT C (177)	
	TURNER JOHN FELTON (177)	
	WOOLNER BEN F MRS (177)	
	WRIGHT ROBT J (177)	
	ARACIC NICHOLAS MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	

Year	Uses	Source
1980	(continued)	
	BROWN GREGORY DAVID MOORE CLIFFORD WOLFE LARSON & TRUTNER AT (201)	
	BURNHAM CLARK J MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	CLIFFORD ROBT C MOORE CLIFFORD WOLTE LARSON TRUTNER ATTYS (201)	
	COMPTON LINDA ANTHENIEN MOORE CLIFFORD WOLFE LARSON & TRUTNE (201)	
	FINCH SCOTT C (201)	
	GILDEA DENNIS P MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	HAAS ERIC MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	LARSON DAVID O MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	MOORE ARTHUR J JR MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTY (201)	
	MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	RODE LINCOLN MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	SCHNACK J JAY MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	TRUTNER HERMAN A MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	WOLFE ANDREW P MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	ZISER GEORGE J MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	CRAWFURD STEPHEN (212)	
	BUDGET CLEANERS (295)	
1982	****HARRISON ST****	Pacific Telephone
	LEMPRES & WULFSBERG PROFESSIONAL CORPORATION ATTYS OAKLAN (1801)	
	LEMPRES DANL N LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (1801)	
	****LAKESIDE DR****	Pacific Telephone
	KELLY SERVICES (300)	
	TRANS WORLD AIRLINES INC (300)	
1984	Address Not Listed in Research Source	Pacific Bell
1986	****LAKESIDE DR****	Pacific Bell White Pages
	TRAVEL STORE (300)	
	****17TH AVE****	Pacific Bell White Pages
	STAGGERS VERNON (160)	
	****17TH ST****	Pacific Bell White Pages
	: KELLER RANDALL (150)	
	BARTEE JEFFREY G (150)	

Year	Uses	Source
1986	(continued)	
	BARTLETT J R (150)	
	BAXTER KW (150)	
	CAMPBELL VICTORIA (150)	
	DE VERA PAUL (150)	
	DECKARD DANNY TREW (150)	
	HALL CLEMENTINE (150)	
	HOFMANN G B (150)	
	HOMRNE DONALD (150)	
	MONTESSORO SCOTT (150)	
	MURPHY J A JR (150)	
	PARTIPIL O VICTOR C (150)	
	PIEKARCZYK JOHN (150)	
	RICHARDSON D (150)	
	RICHARDSON D R (150)	
	RICHARDSON DAN (150)	
	SISCA PHILIP A (150)	
	SISCO JERRY (150)	
	SISCO TIM (150)	
	SISEMORE KEVIN (150)	
	STEVENSON SUSAN (150)	
	STEVENSON V (150)	
	ULRICH EDW E (150)	
	WALLACE A M (150)	
	WALLACE A M (150)	
	WALLACE AG (150)	
	ASKEY DENTAL LABORATORY (153)	
	ASKEY PRISCILLA (153)	
	LAKE QUALITY CLEANERS (155)	
	BALL N (159)	
	COLEMAN DONALD A (159)	
	IF BALL MURLINE (159)	
	RUECHELLE DAVID (159)	
	A BALL O R (159)	
	GARDNER B (160)	
	HAMID M (160)	
	HARRINGTON RAY H (160)	
	AGOSTINI MARY DE BOW MRS (245)	
	AGOSTINI R (245)	
	AGOSTINI STEPHEN (245)	
	ANTHONY EDW (245)	
	ANTITANY EIECTRIC (245)	
	BAY JERRY T L (245)	
	BELLAIRE M (245)	

Year	Uses	Source
1986	(continued)	
	BROSTEN DENNIS E (245)	
	FRYE RUTH A (245)	
	GIBSON J H (245)	
	GIBSON J I (245)	
	HILDEBRAND CLIFTON (245)	
	INGRAM THELMA B (245)	
	INGRAM V R (245)	
	JAMES LUTFI & IRENE (245)	
	JAMES M (245)	
	JAMES M (245)	
	JAMES M (245)	
	JAMES M A (245)	
	JONES FM (245)	
	JONES FR (245)	
	JONES FANNIE L (245)	
	KOCH L P (245)	
	LOKEY MARGARET G (245)	
	LOKKE E M (245)	
	MARINKOVICH JACK (245)	
	VAN DAFF S (245)	
	BILL & OTHER INQUIRIES (250)	
	CREDIT & COLLECTIONS (250)	
	CUSTOMER SERVICE DIVISION (250)	
	NO CHARGE TO CALLING PARTY (250)	
	OAKLAND OFFICE (250)	
	SERVICE ORDERS TURN ONS TURN OFFS (250)	
	INVESPAR INC (280)	
	INVESTMENT PARTNERSHIPS (280)	
	NAGAN HAROLD INVESTMENT PARTNERSHIPS (280)	
	PARAMOUNT EXPORT CO (280)	
	ASIAN PROGRAM CENTRAL OAKLAND COMMUNITY MENTAL HEALTH CENTER (285)	
	****ALICE ST****	Pacific Bell White Pages
	CHANBERLIN HELEN (1850)	
	****ALICE WAY****	Pacific Bell White Pages
	ADSHEAD G L (1850)	
	AHRENS DON E (1850)	
	AHRENS F J (1850)	
	AHRENS HENRY W (1850)	
	BAYBA A Y (1850)	
	BAYBA RICHARD (1850)	
	BAYBA SANDRA REES (1850)	
	BELL JOHN M (1850)	

Year	Uses	Source
1986	(continued)	
	BIGELOW ERNEST & ELEANOR (1850)	
	BIGELOW G (1850)	
	BIRD GRACE V (1850)	
	BLISS EVERETT & BARBARA (1850)	
	BROWN MAXWELL C (1850)	
	BROWN W B (1850)	
	BROWN W C (1850)	
	CHICK D W (1850)	
	CHRISTY CICELY M (1850)	
	CLARK MRS GEORGE S (1850)	
	CONROY MRS RAYMOND WM (1850)	
	COX MAURICE C (1850)	
	CRANE LUCILE (1850)	
	CROWLEY FANNIE M (1850)	
	CUNNINGHAM HAROLD E (1850)	
	CUNNINGHAM HATTIE (1850)	
	CUNNINGHAM HEATH (1850)	
	CURRIER ELIZABETH (1850)	
	DAVENPORT HELGA (1850)	
	DEACON RUTH (1850)	
	FALL WINIFRED (1850)	
	FEIBUSCH (1850)	
	FERROGGIARO F A (1850)	
	FULLER DENNIE E (1850)	
	GAFFNEY NILES & GERRIE (1850)	
	GARBUTT P A (1850)	
	GRAY CHARLOTTE D (1850)	
	GRAY CHRISTIAN (1850)	
	GRUNDT ALICE D (1850)	
	HAMPTON MR & MRS CHARLES L (1850)	
	HAMPTON N (1850)	
	HAMPTON P (1850)	
	HAMPTON P (1850)	
	HARDEN ANA D (1850)	
	HARDEN ARGONNE (1850)	
	HAZELTON SYDNEY N (1850)	
	HEMPHILL ARTHUR D & BERNICE (1850)	
	HEMPHILL BARRY (1850)	
	HIBNER WILHELMINA (1850)	
	HOEGEMANN BESSIE (1850)	
	HOLMGRAIN MRS CARL (1850)	
	HOWIE B C (1850)	
	HOWIE BROOKE B & ROBERT G (1850)	

Year	Uses	Source
1986	(continued)	
	HOWKER S (1850)	
	HOWKINS D & A H (1850)	
	HUNTER GERTRUDE (1850)	
	I CLARK GEO S MRS (1850)	
	I COTTEN E C (1850)	
	I HODGES FRIEDA (1850)	
	JACKSON VIRGINIA S (1850)	
	JOHNSON ELLEN M (1850)	
	JOHNSON SHEPARD M (1850)	
	JUDKINS T C MRS (1850)	
	JUHL H (1850)	
	KING KATHERINE E (1850)	
	KLEIN A PETER (1850)	
	KLEIN ANN G (1850)	
	KLEIN PETER A & FANNY G (1850)	
	KLEIN PETER L (1850)	
	LAKE PARK (1850)	
	LEGGE ROY A (1850)	
	LOWENFELD BERTHOLD & GRETA (1850)	
	LOWENHAUPT ELIZABETH MD (1850)	
	LUCAS MAYFRED D (1850)	
	MARR D (1850)	
	MARR FREDERICK B (1850)	
	MC DANIEL LAURA L (1850)	
	MC GIFFIN LA (1850)	
	MC HENRY EDNA (1850)	
	MC NAUGHTON EDW F (1850)	
	ME GIHON LEONARD T (1850)	
	MECCA THOMAS J (1850)	
	MECCHI A (1850)	
	NIEMANN MRS OTTO G (1850)	
	POWER ROBT E (1850)	
	POWER ROY E (1850)	
	POWER S L (1850)	
	POWER SALLY (1850)	
	RESTON MABEL C (1850)	
	RESTREPO P (1850)	
	ROAMER REYN & GLADYS (1850)	
	ROEMER S 6 (1850)	
	ROEMER STEVE VOICE & TDD (1850)	
	ROEMER THOS H (1850)	
	ROEMMELE R (1850)	
	ROMIE FE (1850)	

Year	Uses	Source
1986 (continued)		
	RUEDY V E (1850)	
	RUEDY V E (1850)	
	RUEF A L (1850)	
	SALZ H M (1850)	
	SALZ PAUL & LOTTIE (1850)	
	SHATTER ELLIOTT (1850)	
	SHELDON CLARENCE P (1850)	
	SHELDON CLARENCE P (1850)	
	SHUGG R P BRIG GEN RET (1850)	
	SHUGRUE B (1850)	
	SKINNER DOROTHY (1850)	
	SKINNER DOUGLAS & ROXANNE (1850)	
	SKINNER E M (1850)	
	SMITH EJNAR (1850)	
	SOHER LJ (1850)	
	SUESS M F (1850)	
	TENNYSON F J (1850)	
	TENNYSON JOHN (1850)	
	WARNECKE E (1850)	
	WESLEY ERNEST W (1850)	
	WOODS MRS BALDWIN M (1850)	
	****HARRISON ST****	Pacific Bell White Pages
	ACCOUNTS PAYABLE (1800)	
	ALLOTMENTS (1800)	
	AMERICAN PROBATE SERVICES INC (1800)	
	ANDERSEN ARTHUR & CO ACCTS (1800)	
	ANDERSEN ARTHUR R (1800)	
	ANDERSEN B L (1800)	
	ARTHUR ANDERSEN & CO ACCTS (1800)	
	BATTLE A GEORGE CPA (1800)	
	BAUS JEFFREY W PRICE WATERHOUSE CPAS (1800)	
	BLUNDEN ANTHONY A ATTY (1800)	
	BOLLINGER KIM H ATTY (1800)	
	BURDICK TIMOTHY B C PA (1800)	
	CETRARO RONALD L CPA (1800)	
	CETUS CORPORATION (1800)	
	CEVA B (1800)	
	CLAIMS CARGO (1800)	
	COMMERCIAL LOANS (1800)	
	COMMERCIAL TELLERS (1800)	
	CORPORATE HEADQUARTERS (1800)	
	CREDIT & COLLECIONS (1800)	
	CREDIT DEPARTMENT (1800)	

Year	Uses	Source
1986 (continued)		
	CUSTOMER SERVICE GENERAL INFORMATION (1800)	
	DATA PROCESSING SERVICES (1800)	
	DE MARTINI BARRY L PRICE WATERHOUSE CPAS (1800)	
	DOMESTIC (1800)	
	E AS TE RN ON ION S IN GIN G TE LE GRAMS OF THE BAY (1800)	
	E IGHTH S TRE E T ME AT CO IN C (1800)	
	EAGLE MARINE SERVICES LTD HEADQUARTERS (1800)	
	EAST BAY REGIONAL HEAD OFFICE (1800)	
	EASTERN NEWSTANDS (1800)	
	EIGHTEEN HUNDRED HARRISON GARAGE (1800)	
	EISENBERG CYNTHIA (1800)	
	EMMONS MICHAEL L CPA (1800)	
	EMPLOYMENT (1800)	
	FINN STEPHEN G CPA (1800)	
	GENERAL ACCOUNTING (1800)	
	GENERAL INFORMATION (1800)	
	GEORGE HYMAN CONSTRUCTION CO (1800)	
	GERALD D HINES INTERESTS (1800)	
	GERALD D HINES INTERESTS (1800)	
	GERALD IDA MAE MRS (1800)	
	HIROSE OTO & BAILEY ACCOUNTANTS INC (1800)	
	HIROSE WILLIAM Y CPA (1800)	
	HYMAN GEORGE CONSTRUCTION CO (1800)	
	I C M A RETIREMENT CORP (1800)	
	INFORMATION & NUMBERS NOT LISTED ABOVE (1800)	
	INSURANCE BODILY INJURY (1800)	
	INTERNATIONAL (1800)	
	INVESTOR RELATIONS (1800)	
	JOHNSTON D STUART CPA (1800)	
	MAIERO THOMAS (1800)	
	MAIERS P (1800)	
	MC SWEENEY JAMES M CPA (1800)	
	MIRES GEOFFREY A (1800)	
	MORTENSEN ERNEST J PRICE WATERHOUSE CPAS (1800)	
	NATIONAL CONSUMER CO OPERATIVE BANK (1800)	
	NEW ACCOUNTS (1800)	
	NORTH AMERICAN HEADQUARTERS (1800)	
	ODEA BRIAN M ATTY (1800)	
	OFFICE FACILITIES (1800)	
	OPERATIONS ADMINISTRATIO (1800)	
	OTO ROBERT N CPA (1800)	
	OTO WENDY (1800)	

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1986 (continued)		
	PASSENGER SERVICE OFFICE (1800)	
	PAYROLL (1800)	
	PETERSON GARY R CPA (1800)	
	PETERSON GAYLE H (1800)	
	PETERSON GAYLE LCS W (1800)	
	PRICE WATERHOUSE CPAS (1800)	
	PRIORITY BANKING (1800)	
	PROCUREMENT (1800)	
	PUBLIC RELATIONS (1800)	
	PURCHASING (1800)	
	RANDICK ROBERT A JR ATTY (1800)	
	RANKIN PATRICK T ATTY (1800)	
	RANKIN SPROAT & BLUNDEN PROFESSIONAL CORP (1800)	
	RANKIN STEVE & C J (1800)	
	REY DAVID A CPA (1800)	
	REYBURN C M (1800)	
	S PIN E TTA RAN DICK & ODE A ATTYS (1800)	
	SEAGOING (1800)	
	SHORESIDE (1800)	
	SPINETTA PETER L ATTY (1800)	
	SPROAT RONALD G ATTY (1800)	
	TAGLIARINI THOS C ATTY (1800)	
	TRICK CHARLES JEFFREY (1800)	
	VERIFICATION OF EMPLOYMENT (1800)	
	WANG LABORATORIES INC (1800)	
	AHERN JOHN J ROONEY IDA NOLT & AHERN CPAS (1805)	
	ARNOLD PENELOPE L ROONEY IDA NOLT & AHERN CPAS (1805)	
	CHAPMAN THOS W ROONEY IDA NOLT & AHERN CPAS (1805)	
	CLARK RICHARD A ROONEY IDA NOLT & AHERN CPAS (1805)	
	CLARK RICHARD B (1805)	
	FRY DOLORES R ROONEY IDA NOLT & AHERN CPAS (1805)	
	FRY DORAN (1805)	
	GILLIGAN MICHAEL L ROONEY IDA NOLT & AHERN CPAS (1805)	
	GILLILAND ANN (1805)	
	KOHLES JAMES ROONEY IDA NOLT & AHERN CPAS (1805)	
	MAR LARRY ROONEY IDA NOLT & AHERN CPAS (1805)	
	NOLT ROBT J ROONEY IDA NOLT & AHERN CPAS (1805)	
	ROONEY IDA NOLT& AHERN CPAS (1805)	
	WEAVER GORDON C ROONEY IDA NOLT & AHERN CPAS (1805)	
	MC CARTHY WESTERN CONSTRUCTION INC (1833)	
	****JACKSON ST****	Pacific Bell White Pages
	FECHTEL KIM (1880)	

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1986 (continued)		
	GUY K (1880)	
	HARRIGAN JAMES F (1880)	
	KAUFFMAN PATRICIA A (1880)	
	KAUFFMAN STEPHEN & EDIE (1880)	
	KAUFFMAN W A (1880)	
	KAUFMAN A (1880)	
	KHATCHI CARLO Y (1880)	
	MEDEIROS JOHN V (1880)	
	MEDEIROS JON G (1880)	
	OSTERBUR DAVID (1880)	
	WAGENET CLIFFORD (1880)	
	FOWELL GEO BILL (1906)	
	FOWLER A (1906)	
	GUDENAS INGRID (1906)	
	HIGHTON J (1906)	
	PECK S (1906)	
	PECK SAMMIE (1906)	
	RIMBAULT MARC (1906)	
	RIMBERT RAY W (1906)	
	ROMTVEDT K (1906)	
	STANSBURY KEN (1906)	
	STANSBURY PATRICIA A (1906)	
	TOM DUANE (1906)	
	VAJRABHAYA JIRAYU (1906)	
	WANG DAVID BRUCE (1906)	
	WANG DAVID E (1906)	
	****LAKESIDE CIR****	Pacific Bell White Pages
	LE MPRE S & W ULFS BE RG PROFE S S ION AL CORPORATION ATTYS (300)	
	LEMUE ROBIN (300)	
	LEMUE ROBT J (300)	
	NATIONAL REFRACTORIES & MINERALS CORP (300)	
	S PE N CE R W HITE & PRE N TIS IN C (300)	
	****LAKESIDE DR****	Pacific Bell White Pages
	BLANK LEO MRS (151)	
	COCHRAN ROYAL (151)	
	COCHRAN RUSSELL (151)	
	COCHRAN S (151)	
	CUNNINGHAM CATHLEEN (151)	
	DE VILLE FRANK (151)	
	DINERMAN DAVID (151)	
	EDWARDS M (151)	
	FANG J C (151)	

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1986 (continued)		
	FANG JOHN (151)	
	GRANT B R (151)	
	ISABEL L (151)	
	JORDAN PARKS J (151)	
	LAKESIDE APARTMENTS (151)	
	LEAGUE VINCENTE C (151)	
	MC CARTHY S A (151)	
	MC CARTHY SIGN SERVICE PO BOX 13036 (151)	
	MISSOURI CHARLES (151)	
	MISSY CATHERINE (151)	
	MOORE ROBT & PATRICIA (151)	
	RAMSEY MICHAEL (151)	
	WAYNE SHIRLEY (151)	
	WILLIAMS ROGER A (151)	
	WILSON JAMES P (151)	
	WISHART I M (151)	
	WISHINGRAD S (151)	
	WRIGHT LIZA S (151)	
	ISAAK MERLYN (151)	
	BARTLETT JAY P MD (200)	
	BARTLETT JEANNE M (200)	
	BOTHE JEANNE (200)	
	CHOW T P (200)	
	CROSS STUART G & DARLENE W (200)	
	GUNN KEITH & JAN (200)	
	GUNN ML (200)	
	LANIER J B (200)	
	LYIE RICHARD E (200)	
	REGILLUS HOME OWNERS ASSOCIATIONS (200)	
	REGINA B M (200)	
	ROSS ROBT (200)	
	SANDFORD J (200)	
	SANDFORD J M (200)	
	STORK DAVID R (200)	
	STORK ROBT J MRS (200)	
	WALTON LEE (200)	
	WINST I LE W E (200)	
	ISTOI MARIE SORELLE MRS (200)	
	CHICK GILBERT HYDE MRS (244)	
	CONEY JJ (244)	
	D ONOFRIO MICHAEL J (244)	
	DONOFRIO GILMORE (244)	
	DONOFRIO GORDON P (244)	

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1986 (continued)		
	DONOFRIO INVESTIGATIONS (244)	
	FURBUSH MRS C G (244)	
	GATES MILO TALMAGE MRS (244)	
	GATES P A (244)	
	GILCHRIST GUY G (244)	
	HEACOCK B C (244)	
	HEACOCK D L (244)	
	I VESPER HOWARD G (244)	
	LAKESIDE CORP (244)	
	MANNING JOHN HUDSON (244)	
	PYNE THOMAS M (244)	
	SHUEY HERBERTS (244)	
	SHUGART HOWARD & BETTY (244)	
	TWO FORTY FOUR LAKESIDE DRIVE (244)	
	WYATT M J (244)	
	I OSHEA JOHN P (244)	
	AT & T STOCKHOLDER INFORMATION NO CHARGE TO CALLING PARTY (300)	
	AT & T TECHNOLOGIES COMPUTER PRODUCTS INFORMATION (300)	
	ACCOUNTING (300)	
	ACCOUNTING (300)	
	ACCOUNTS PAYABLE (300)	
	ADMINISTRATION (300)	
	AGRICULTURAL CHEMICALS (300)	
	AGRICULTURAL CHEMICALS (300)	
	ASSOCIATED STUDENTS OF UC SEE UNIVERSITY OF CALIFORNIA BERKE (300)	
	ASSOCIATED YACHT BROKERS INC (300)	
	AUDITORIUM (300)	
	BARBIERI KAREN R LENIPRES & WULFSBERG PROFESSIONAL CORPORATI (300)	
	BAY (300)	
	C T S (300)	
	CEMENT ORDERS SAN JOSE (300)	
	CHECKING & SAVINGS ACCOUNTS (300)	
	COMMODITY TRADING (300)	
	CORPORATION (300)	
	CORPORATION ATTYS (300)	
	CORPORATION ATTYS (300)	
	CREDIT WALNUT CREEK (300)	
	EMPLOYMENT CENTER (300)	
	EXISTING (300)	
	FARBEST CORP (300)	

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1986 (continued)		
	FERRIS PETER H LEMPRES &:WULFSBERG PROFESSIONAL CORPORATION (300)	
	GENERAL SALES INFORMATION (300)	
	HARTOG JOHN A LEMPRES & WULFSBERG PROFESSIONAL CORPORATION A (300)	
	HUGHES ROBERT L LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	I CORPORATION ATTYS (300)	
	INDUSTRIAL CHEMICALS (300)	
	INDUSTRIAL CHEMICALS (300)	
	INFORMATION (300)	
	INFORMATION & NUMBERS NOT LISTED ABOVE (300)	
	INFORMATION & NUMBERS NOT LISTED ABOVE (300)	
	INFORMATION & NUMBERS NOT LISTED ABOVE (300)	
	INFORMATION & NUMBERS NOT LISTED BELOW (300)	
	INTERNATIONAL OPERATIONS (300)	
	KAIS E R IN TE RN ATION AL CORP (300)	
	KAIS E R ROBT A ATTY TRIBUNE TOWER (300)	
	KAISER BUILDING (300)	
	KAISER CENTER (300)	
	KAISER CENTER (300)	
	KAISER CENTER BRANCH (300)	
	KAISER CENTER BRANCH (300)	
	KAISER CENTER BRANCH (300)	
	KAISER CENTER LOBBY (300)	
	KAISER DALE (300)	
	KAISER EMPLOYEES FEDERAL CREDIT UNION (300)	
	KAISER ENERGY INC (300)	
	KAISER ENGINEERS INC (300)	
	KAISER J A (300)	
	KAISER KJ 6 (300)	
	KAISER ROBT L (300)	
	KATZ L J MFG CO (300)	
	KATZ LJEANNE (300)	
	LAKE VIE W CLUB (300)	
	LAMER JEREMY (300)	
	LANAI CLEANERS THE (300)	
	LANAI PHARMACY KAISER CENTER (300)	
	LANAI SHOE REPAIR KAISER CENTER BLDG (300)	
	LANAI TAILORS & ALTERATIONS (300)	
	LAND (300)	
	LARNAT JEWELRY & LOAN CO (300)	
	LARNAT JEWELRY & LOAN CO (300)	
	LARNEY MARJORIE (300)	

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1986 (continued)		
	LEASING (300)	
	LEASING OFFICE SPACE (300)	
	LEE CHRISTOPHER LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	LEMPRES DANI N LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	LEMPRES MATTHEW D MILLER STARR & REGALIA ATTYS ORDWAY BLDG (300)	
	MIGONE MAMRNA E LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	MIRABEAU RESTAURANT (300)	
	N E W YORK LIFE IN S CO (300)	
	NEW (300)	
	NEW ACCOUNTS (300)	
	NO CHARGE TO CALLING PARTY (300)	
	NO CHARGE TO CALLING PARTY (300)	
	NO CHARGE TO CALLING PARTY (300)	
	OPERATIONS (300)	
	ORDWAY ANNEX (300)	
	PARKING OFFICE (300)	
	PERSONNEL (300)	
	PERSONNEL (300)	
	PRODUCTION (300)	
	PUBLIC AFFAIRS (300)	
	PURCHASING (300)	
	RAYMOND INTERNATIONAL BUILDERS INC (300)	
	RAYMOND J B (300)	
	RAYMOND JAS D (300)	
	REAL ESTATE KAISER DEVELOPMENT COMPANY (300)	
	REAL ESTATE KAISER DEVELOPMENT COMPANY (300)	
	REED STENHOUSE INC OF CALIF (300)	
	SALES (300)	
	SALES OFFICE WALNUT CREEK (300)	
	SECURITY & AFTER HOURS (300)	
	SOMMERS FRANK F IV LEMPRES & WULFSBERG PROFESSIONAL CORPORAT (300)	
	STARR ERIC C LEMPRES & WULFSBERG PROFESSIONAL CORPORATION AT (300)	
	STEIN DAVID A LEMPRES & WULFSBERG PROFESSIONAL CORPORATION A (300)	
	STEIN DAVID D (300)	
	SYKES JEFFREY A LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	SYSTEM (300)	
	T E (300)	
	TDS FOODS INC (300)	

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	TRE PPE R A JE W E LE R (300)	
	TRADING (300)	
	VIDEO TEXT FRAME CREATION SALES (300)	
	WESTERN REGION (300)	
	WULFSBERG H JAMES LEMPRES & WULFSBERG PROFESSIONAL T CORPORA (300)	
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	COHEN FELIX G (1800)	
	ELKLNS CHARLES (1800)	
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	ARNOLD MARIE V (177)	
	ARNOLD MARY ANDREA (177)	
	BARKER EWING & BARBARA (177)	
	BARKER F (177)	
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	BROWN FORREST E (177)	
	CARY CIHAS A (177)	
	CORNEILLE WALTER S (177)	
	CYTRON BERNARD (177)	
	CYTRON K (177)	
	CYTRON STEPHEN (177)	
	DREIMAN R N (177)	
	EARLENBAUGH CHAS L (177)	
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	GLUCK MAX (177)	
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	GOLDSTROM F (177)	
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	HINRICHSEN KEITH A (177)	
	HINSHAW DONALD R (177)	
	HOVSEBIAN HAIG (177)	
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	I (177)	
	LAKE ROYAL APARTMENTS MGRS OFC (177)	
	LAKE S (177)	
	LAND J D (177)	
	LERCH R BILL (177)	
	LIPMAN MELVIN (177)	
	LIPMAN SHIRLEY A (177)	
	MILE N S JE W E LE RS (177)	
	MARCUS MARK (177)	
	MARCUS MAURICE G MD & ARLENE (177)	
	MARX WM (177)	
	MC NEILL ELYANE (177)	
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	MC NEILL ROYCE (177)	
	MEATH ALMA (177)	
	MEBANE ERIC (177)	
	MEBANE L E (177)	
	MEBANE WALTER L II AVENUE C ALMDA (177)	
	MIIENBACH LOUIS J (177)	
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	MOHR FRANK C (177)	
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	SCHERMAN J MRS (177)	
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	BROWN GREGORY DAVID MOORE CLIFFORD WOLFE LARSON & TRUTNER AT (201)	
	BURNHAM CLARK J MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
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	CANNADY WALTER J MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	CLIFFORD CAROL A MOORE CLIFFORE WOLFS LARSON TRUTNER ATTYS (201)	
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	CLIFFORD ROBT C MOORE CLIFFORD WOLFE LARSON TRUTNER ATTYS (201)	
	DELL OSSO MONICA MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	FINCH SCOTT C MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
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	GILDEA DENNIS P MOORE CLIFFORD WOLFE LARSON &TRUTNER ATTYS (201)	
	HAAS ERIC MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
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	JOHNSON CLINTON & CYNTHIA L (201)	
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	LYMAN ROBERT J MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	MARDEN STEVEN M MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	NEMETZ EDWARD MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
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	RODE LINCOLN MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
	RUNDIN WALTER C III MOORE CLIFFORD WOLFE LARSON & TRUTNER AT (201)	
	SINK CINDY LOUISE MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTY (201)	
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	ZISER GEORGE J MOORE CLIFFORD WOLFE LARSON & TRUTNER ATTYS (201)	
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	HOLMES DEBORAH ANN (150)	
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	ZEGLINSKI DAVID (245)	
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	SERVICE ORDERS TUR ONS TURN OFFS (250)	
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	PEDERSEN RH (1850)	
	ALLINGER GERTRUDE (1850)	
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	ARVESON E J (1850)	
	BIN GHAMS HE ATE R S E RVICE (1850)	
	BARBEE G C (1850)	
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	BERRY VERMA G (1850)	
	BIGELOW ERNEST & ELEANOR (1850)	
	BIGELOW G (1850)	
	BINGHAM URSULA (1850)	
	BINGHAM WILLAMETTE COMPANY (1850)	
	BLISS EVERETT (1850)	
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	BOOTH H (1850)	
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	BOSWORTH RUTH (1850)	
	BREAKEY H A MRS (1850)	
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	BROWN WALLACE (1850)	
	CHASE HARRY (1850)	
	CUNNINGHAM HAROLD E (1850)	
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	DAVENPORT HELGA (1850)	
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	I BOOTH FORREST& LOUISE (1850)	
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	JACKSON W (1850)	
	JACKSON W (1850)	
	JACKSON W (1850)	
	JACKSON W (1850)	
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	KEATY ANN K (1850)	
	KESSLER DC (1850)	
	KING KATHERINE E (1850)	
	L TEAL CHARLES (1850)	
	LEMIEUX EARL J MRS (1850)	
	LOERS WILEY (1850)	
	LONSDALE MAXINE (1850)	
	LOWENFELD BERTHOLD & GRETA (1850)	
	MACAULEY P W (1850)	
	MC HENRY EDNA (1850)	
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	MILLER DOUGLAS REED (1850)	
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	MOSINSKE M (1850)	
	MURRAY MAXINE (1850)	
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	PETERSON ROY MRS (1850)	
	ROEMER REYN & GLADYS (1850)	
	ROEMER S (1850)	
	ROEMER THOS H (1850)	
	ROEMER TIM (1850)	
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	SHAFFTTER H (1850)	
	SHAFFTTER J (1850)	
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	ULLMAN ROBERT M (1850)	
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	WINFREE OLGA (1850)	
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	ANDERSEN ARTHUR R (1800)	
	ANDERSON JUDY ATTY (1800)	
	ARTHUR ANDERSEN & CO ACCTS (1800)	
	AZEVEDO DAVID J CPA (1800)	
	AZEVEDO DOUG (1800)	
	BAILEY MARY E CPA (1800)	
	BARRINGTON JAMES M CPA (1800)	
	BAUS JEFFREY W PRICE WATERHOUSE CPAS (1800)	
	BAUS SUSAN (1800)	
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	CETRARO RONALD L CPA (1800)	
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	CHOY ROBT L & LUANN A (1800)	
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	E AS TE RN ON ION S IN GIN G TE LE GRAMS OF THE BAY (1800)	
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	EASTERN NEWSTANDS (1800)	
	EISENBERG CYNTHIA (1800)	
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	EISENBERG DAVID (1800)	
	FIELD DOUGLAS L TAYLOR& FIELD ATTYS (1800)	
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	HIROSE OTO & BAILEY ACCOUNTANTS INC (1800)	
	HIROSE WILLIAM Y CPA (1800)	
	JOHNSTON D STUART CPA (1800)	
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	MC KINLEY GARY N CPA (1800)	
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	MESSMAN RICHARD L CPA (1800)	
	MIRES GEOFFREY A ATTY (1800)	
	MORTENSEN ERNEST J PRICE WATERHOUSE CPAS (1800)	
	NATIONAL CO OPERATIVE BANK (1800)	
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	NORTHLI AMERICAN AREA (1800)	
	ODEA BRIAN M ATTY (1800)	
	OTO ROBERT N CPA (1800)	
	PACIFIC CENTRAL REGION (1800)	
	PAUL REBECCA RATTY (1800)	
	PAUL REVERE INSURANCE COMPANIES (1800)	
	PIERUCCI ERNEST ATTY (1800)	
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	RAN DICK& ODE A ATTYS (1800)	
	RKE SERVICES CORPORATION SEE KE SERVICES CORPORATION (1800)	
	RANDICK ROBERT A JR ATTY (1800)	
	RANDIG M (1800)	
	RANKIN PATRICK T ATTY (1800)	
	REISER MICHAEL J ATTY (1800)	
	ROSE BERNARD F (1800)	
	ROSE JULIE M (1800)	
	ROSE K M (1800)	
	SCOTT L (1800)	
	SCOTT L GREGORY PRICE WATERHOUSE CPAS (1800)	
	SCOTT L&S (1800)	
	SCOTT LK (1800)	
	SCOTT LL (1800)	
	SCOTT LEMMIE (1800)	
	SIMMONS WILLIAM ATTY (1800)	
	SPROAT RONALD G ATTY (1800)	
	ST PETER DAN R CPA (1800)	
	ST PETER THERESE (1800)	
	TONSING MICHAEL LAW OFFICE OF (1800)	
	TONSING MICHEAL ATTY (1800)	
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	CLARK RICHARD (1805)	
	CLARK RICHARD A ROONEY IDA NOLT & AHERN CPAS (1805)	
	FRY DOLORES R ROONEY IDA NOLT& AHEM CPAS (1805)	
	FRY DORAN (1805)	
	FUKUMAE PETER M ROONEY IDA NOLT & AHEM CPAS (1805)	
	GILSON JAY ROONEY IDA NOLT & AHERN CPAS (1805)	
	GILSON WARREN E (1805)	
	GILSON WARREN FX (1805)	
	JOHNSON PENELOPE L ROONEY IDA NOLT & AHERN CPAS (1805)	
	MALONEY PAMELA ROONEY IDA NOLT & AHERN CPAS (1805)	
	MAR LARRY ROONEY IDA NOLT & AHERN CPAS (1805)	
	MASSA GARY ROONEY IDA NOLT & AHERN CPAS (1805)	
	ROONEY IDA NOLT & AHERN CPAS (1805)	
	ROONEY J (1805)	
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	TORRES ADELLE Y ROONEY IDA NOLT& AHEREN CPAS (1805)	
	ZANGWILL HOWARD M ROONEY IDA NOLT & AHERN CPAS (1805)	
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	ZANKER E (1805)	
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	BAIREY JEFFERY G LARSON BUMHAM & TRUTNER ATTYS (1901)	
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	BURNHAM D (1901)	
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	CLARK KATHLEEN A LARSON BURNHAM & TRUTNER ATTYS (1901)	
	CO (1901)	
	CONNELL CHRISTOPHER J LARSON BURNHAM & TRUTNER ATTYS (1901)	
	CONSTRUCTION OISBURSAL (1901)	
	CORPORATE FACILITIES (1901)	
	CORPORATE OFFICES (1901)	
	DELL OSSO MONICA LARSON BURNHAM & TRUTNER ATTYS (1901)	
	DIVERSIFIED PARKING WORLD SAVINGS CENTER GARAGE (1901)	
	DIVERSIFIED PERSONNEL (1901)	
	DIVERSIFIED PERSONNEL SERVICES (1901)	
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	EGGLESTON PATRICIA BENNETT& JOHNSON ATTY (1901)	
	EICHHORN DONALD P LARSON BUMHAM & TRUTNER ATTYS (1901)	
	F TED SUSAN TLARSON BNHAR & TRTNER ATTYS (1901)	
	FOUN DE RS TITLE COMPAN Y OF ALAME DA COUN TY (1901)	
	FE MSTELN I (1901)	
	FLNCH SCOTT C LARSPN BOMHAM & TRUTNER ATTYS (1901)	
	FOGARTY TIMOTHY J LARSON BURNHAM & TRUTNER ATTYS (1901)	
	FOGE ED (1901)	
	FOGE LESLIE (1901)	
	FOGEL DANIEL H (1901)	
	FORD ROBERT A LARSON BUMHAM & TNRTNER ATTYS (1901)	
	FOUNDERS TITLE COMPANY OF ALAMEDA COUNTY (1901)	
	GALLER ROBERT B BENNETT &JOHNSON ATTY (1901)	
	GAMP JANE L OHARA LARSON BURNHAM & TRUTNER ATTYS (1901)	
	GENERAL OFFICES & INFORMATION S (1901)	
	GOLDEN WEST FINANCIAL CORP (1901)	
	GOLDEN WEST FINANCIAL CORP (1901)	
	GOLDEN WEST INDUSTRIAL LAUNDRY & UNIFORM SALES (1901)	
	GOODROE H WAYNE LARSON BURNHAM& TRUTNER ATTYS (1901)	
	GROSS FREDRICK L LARSON BURNHAM & TRUTNER ATTYS (1901)	

Year	Uses	Source
1991	(continued)	
	GROSS G L (1901)	
	GUENTHER CRAIG D LARON BAIMHANM & TNRTNER ATTYS (1901)	
	HAAS ERIC LARSON BURNHAM & TRUTNER ATTYS (1901)	
	HAAS ERNST B & HILDEGARDE (1901)	
	HAAS GILBERT W (1901)	
	HAFEN JANE DR IN VISION OPTOMETRY (1901)	
	HODGKINS JANE F LARSON BURHAN & TRUTNER ATTYS (1901)	
	HODGKINSON A (1901)	
	HODGKINSON C (1901)	
	HODGKINSON DEBORAH (1901)	
	HODGKINSON NANNY (1901)	
	HODGKINSON RICHARD & NANCY (1901)	
	HODGKINSON SANDRA (1901)	
	HOME OFFICE (1901)	
	I (1901)	
	INVISION OPTOMETRY HAFEN JANE DR (1901)	
	JOHN S TON HORTON & ROBE RTS ATTYS (1901)	
	JOHNSON MICHAEL K LARSON BURNHAM & TRUTNER ATTYS (1901)	
	JOHNSON ROBERT W STUCKEY & JOHNSON ATTYS (1901)	
	JOHNSON WILLIAM C (1901)	
	JOHNSTON J RICHARD JOHNSTAN HORTON & ROBERTS ATTYS (1901)	
	JOHNSTON JW (1901)	
	KEANE PATRICIA M LARSON BURNHAM & TRUTNER ATTYS (1901)	
	KEANE W M (1901)	
	KEANE WILLIAM (1901)	
	KEANE WILLIAM & CINDY (1901)	
	KEANEY ANN (1901)	
	LARSON BURNHAM & TRUTNER ATTYS (1901)	
	LATTES (1901)	
	LAW OFFICES OF TESFAYE W TSADIK (1901)	
	LYMAN ROBERT J LARSON BURNLIAM & TRUTNER ATTYS (1901)	
	MNC CARTHY PEARL H (1901)	
	MALTZ ROBERT M LARSON BIRNHAM & TRUTNER ATTYS (1901)	
	MALUMPHY K (1901)	
	MALVEAUX A (1901)	
	MALVEAUX M (1901)	
	MARDEN STEVEN M LARSON BURNHAM & TRUTNER ATTYS (1901)	
	MARDER BRAD (1901)	

Year	Uses	Source
1991	(continued)	
	MC CARTHY PATRICK KM LARSON BURNHAM & TRUTNER ALLYS (1901)	
	MOORE CLIFFORD WOLFE LARSON & TRUTNER SEE LARSON BURNHAM & T (1901)	
	MOORE CLINT (1901)	
	NEW LOANS (1901)	
	NIELSEN STEVEN A LARSON BURNHAM & TRUTNER ATTYS (1901)	
	NO CHARGE TO CALLING PARTY (1901)	
	PERSONNEL DEPARTNRENT (1901)	
	PINELLI DAVID R LARSON BURNHAM & TRUTNER ATTYS (1901)	
	PRENTISS PROPERTIES LTD INC (1901)	
	PROJECT LOANS (1901)	
	PURCHASING DEPARTMENT (1901)	
	REYNOLDS MICHAEL R LARSON BMRNHAM & TRUTNER ATTYS (1901)	
	ROBERTS JAMES G JOHNSTON HORTON & ROBERTS ATTYS (1901)	
	ROSATI IANE J LARSON BURNHAM &TRUTEER ATTYS (1901)	
	ROTH JACQUELINE E LARSON BURNHAM & TRUTNER ATTYS (1901)	
	RUSSO JOHN A LARSON BUNHAM & TUTNER ATTYS (1901)	
	SMITH DONALD J LARSON BURNHAM & TRUTNER ATTYS (1901)	
	STUCKEY & JOHNSON ATTYS (1901)	
	STUCKEY FELIX STUCKEY & JOHNSON ATTYS (1901)	
	SWEENEY MARK J LARSON BURNHAM & TRUTNER ATTYS (1901)	
	SWEENEY MICHAEL (1901)	
	SWEENEY P (1901)	
	TREPPA MICHAEL S LARSON BURNHAM & TRUTNER ATTYS (1901)	
	VERBER JOHN LARSON BURNHRAM & TRUTNER ATTYS (1901)	
	VERBER R (1901)	
	WEVERKA PHILIP L LARSON BURNHAM & TRUTNER ATTYS (1901)	
	WEXELBERG SCOTT P (1901)	
	WIDERSTROM ANNE M LARSON BURNHAMN & TRUTNER ATTYS (1901)	
	YEE DARRYL M LARSON BURNHAM & TRUTNER ATTYS (1901)	
	YEE DIANA (1901)	
	YEE DON & SUZANNE (1901)	
	YEE DON M (1901)	
	YEE DONALD & JOYCE (1901)	
	YEE E (1901)	
	YOSHII CATHERINE TORRES LARSON BURNHAM & TRUTNER ATTYS (1901)	

Year	Uses	Source
1991	(continued)	
	ZAPPALA RALPH A LARSON BURNHAM & TRUTNER ATTYS (1901)	
	L GERBA RAYMOND E ATTY (1901)	
	THAYER ERNEST ATTY AT LAW (1909)	
	****JACKSON ST****	Pacific Bell White Pages
	GARDNER S (1880)	
	KATELMAN STEVE (1880)	
	LEWIS JOHN A (1880)	
	MEDEIROS JOHN V (1880)	
	MEDEIROS JON G (1880)	
	SCHULTZ BART (1880)	
	SCHULTZ BECKY & DE DE (1880)	
	SCHULTZ BROS PHOTOGRAPHERS (1880)	
	SCHULTZ C (1880)	
	WAGENET CLIFFORD (1880)	
	FOWELL GEO BILL (1906)	
	FOWELLS FUM (1906)	
	FOWELLS HUGH M (1906)	
	MOORE MATTHEW (1906)	
	SHOMAKER KENT (1906)	
	SHOMAN LESAH (1906)	
	SHOMBER GJ (1906)	
	SHOMLER LEO C (1906)	
	SHON STEWART (1906)	
	W ARD (1906)	
	WARD K K G (1906)	
	WARD KATHRYN (1906)	
	WARD KIRK G (1906)	
	WASHBURN DONALD J (1906)	
	WONG DAVID BRUCE (1906)	
	ROGERS JAMES M LAW OFFICES OF (1941)	
	ROGERS JIM (1941)	
	****LAKESIDE CIR****	Pacific Bell White Pages
	DAIHLMAN CHAS JOD (200)	
	****LAKESIDE DR****	Pacific Bell White Pages
	BELLIS ROBERT J ATTY (140)	
	BELLISARIO MASSIMO (140)	
	CROCKER DAWN (151)	
	CUNNINGHAM CATHLEEN (151)	
	DE VILLE FRANK (151)	
	EDWARDS M (151)	
	FANG JC (151)	
	FANG JASON (151)	

Year	Uses	Source
1991	(continued)	
	FANG JIAN CHANG (151)	
	FANG JIAYUAN (151)	
	GOLDEN MA (151)	
	KAO J (151)	
	LAKESIDE APARTMENTS (151)	
	LEAGUE VINCENTE C (151)	
	LEAH BOYDSTON (151)	
	LEAH CHROM (151)	
	MOORE M (151)	
	RAMSEY MICHAEL (151)	
	SAVAGE ROBERT M (151)	
	SAVAGE S (151)	
	SAVAGE S (151)	
	SAVAGE SHARON (151)	
	SAVAGE SIBILA (151)	
	SAVAGE T (151)	
	SAVAGE T F (151)	
	SAVAGE THERESA (151)	
	TAYLOR WILBERT R (151)	
	WAYNE SHIRLEY (151)	
	BARNES ENID C (200)	
	BARNES F W (200)	
	BARTLETT JAY P MD (200)	
	BARTLETT JEANNE M (200)	
	CE P CO (200)	
	EDELSTEIN GORENBERG & ASSOCIATES NURSE CONSULTANTS (200)	
	I AXELL NANCY M (200)	
	JOHNSTON STEPHEN P & MARILYN K (200)	
	LYLE RICHARD E (200)	
	MOOREHEAD ROBT E & DENISE (200)	
	MOOREHEAD WARREN A (200)	
	PEOPLES LAWYER (200)	
	REGILLUS HOME OWNERS ASSOCIATIONS (200)	
	REGINA P (200)	
	ROSS ROBT (200)	
	SANDFORD J (200)	
	SANDFORD J M (200)	
	SMITH RICHARD R (200)	
	STORK DAVID R (200)	
	STORK JIM (200)	
	STORK LINDA (200)	
	STORK ROBERT J MRS (200)	

Year	Uses	Source
1991 (continued)		
	WALTON LEE (200)	
	WALTON LEE CONSLTNG (200)	
	WALTON LINDA S (200)	
	WINSTON LEW E (200)	
	WINSTON ML (200)	
	WINSTON MARIA (200)	
	WINSTON MARIE SORELLE MRS (200)	
	L AXELL CURTIS M (200)	
	RIGNEY JOHN S (208)	
	CONEY J J (244)	
	HANSON JOHN E (244)	
	HEACOCK B C (244)	
	HEACOCK D L (244)	
	HEACOCK MIKE & KAREN (244)	
	HODSON BERNICE (244)	
	HODSON CHRIS PH D (244)	
	LAKESIDE CORP (244)	
	LUCKS ROY G (244)	
	MANNING JOHN HUDSON (244)	
	OSHEA JOHN P (244)	
	PYNE THOMAS M (244)	
	PYNE TONI (244)	
	PYNENBURG M (244)	
	PYNER PA (244)	
	SHUEY HERBERT S (244)	
	SHUFF S (244)	
	SHUGART HOWARD & BETTY (244)	
	VESPER HOWARD G (244)	
	A B C ADVE RTIS IN G (300)	
	A BB TRADING US INC (300)	
	A TUTORIN G CE N TE R (300)	
	A TURNING POINT TUTORING (300)	
	AN GE LO HE ATH JR (300)	
	ATRE PPE R JE W E LE R (300)	
	ACCOUNTING (300)	
	ADLER ANDREW R BOORNARIAN JENSEN & GARTHE ATTYS (300)	
	ADLER B (300)	
	ADMINISTRATION (300)	
	ADMINISTRATIVE SERVICES (300)	
	ALEXANDER MICHAEL D DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	ALKENHEAD L (300)	
	ALL INFORMATION NUMBER (300)	

Year	Uses	Source
1991 (continued)		
	ALLEN A CLIFFORD DONAHUE GALLAGHER THOMAS & WO GDS ATTYS (300)	
	AND AGRICULTURAL EXPERIMENT STATION (300)	
	ANDERSON MICHAEL B REILLY& HAILE ATTYS (300)	
	APPLIED RISK MANAGEMENT (300)	
	ASIANO ANN M BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	ASIANO ANN M BOORNAZIAN JENSEN & OARTHE ATTYS (300)	
	ASSISTANT VICE PRESIDENT ACADEMIC ADVANCEMENT (300)	
	ASSISTANT VICE PRESIDENT ADMINSTRATION (300)	
	ASSISTANT VICE PRESIDENT EDUCATIONAL RELATIONS (300)	
	ASSISTANT VICE PRESIDENT EMPLOYEE RELATIONS (300)	
	ASSISTANT VICE PRESIDENT FACILITIES ADMINISTRATION (300)	
	ASSISTANT VICE PRESIDENT PLANNING & DEVELOPMENT (300)	
	ASSISTANT VICE PRESIDENT UNIVERSITY RELATIONS (300)	
	ASSOCIATE VICE PRESIDENT ACADEMIC AFFAIRS (300)	
	ASSOCIATED STUDENTS OF UC SEE UNIVERSITY OF CALIFORNIA BERKE (300)	
	BALLARD ROBERT A BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	BARREN GEORGE J DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	BERRA CAROLYN A BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	BERREMAN CURT (300)	
	BOORNAZIAN JAMES G BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	BUDGET (300)	
	BUSSEY CANTOR & TRIPLETT (300)	
	CTS (300)	
	CLARK GAIL P DONAHUE GALLASHER THOMAS & WOODS ATTYS (300)	
	CLARK GALE G MD (300)	
	CLARK GARY B (300)	
	CLARK GARY L (300)	
	CLARK GEORGE (300)	
	COLVIG TIMOTHY A LEMPRES & WULFSBERG PROFESSIONAL CORPORATIO (300)	
	COLVILLE CONSULTING (300)	
	COLVILLE JONATHAN (300)	
	COMBS ROY A ATTY (300)	
	COMMODITY TRADING (300)	
	COMMUNICATION PAPERS (300)	
	COOK NOEL M (300)	

Year	Uses	Source
1991	(continued)	
	COOKSEY DEBORAHA ATTY (300)	
	COPPINGER JOHN J DONAHUE GALLAGHER THOMAS & WOODS (300)	
	CORPORATE TRAVEL SERVICES INC (300)	
	CORPORATION ATTYS (300)	
	CRAIG OLSON ROBIN BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	CROSBY DOUGLAS A DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	CROSBY E L (300)	
	CROW ROBERT G BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	CROWN ZELLERBACH CORPORATION SEE JAMES RIVER CORPORATION (300)	
	CRVARICH JOHN PATTY (300)	
	DA CRUX CESAR (300)	
	DACRE CATHERINE M BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	DALEY WILLIAM PATTY (300)	
	DALTON MICHAEL J DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	DALTON PAUL G (300)	
	DALTON PETER & CARLA (300)	
	DEACON EDWARD S BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	DOLGOFF SUSANNE T DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	DONEY ERIC W DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	EISNER CHARLES I BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	EXPERIMENT STATION (300)	
	EXPRESS SERVICES DEPOT INC (300)	
	F ARLEY BSUZANNE ATTY (300)	
	FARLEY CE (300)	
	FASI RICHARD R PUTNAM KNUDSEN & WIEKING INC INSURANCE BROKER (300)	
	FASKO IS (300)	
	FERNIS SAL A (300)	
	FERRIS PETER H LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	FIRSTMAN ERIC J (300)	
	FITZSIMONS DENNIS P BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	FREEMAN ERNEST & JOYCE (300)	
	GW YN N S HIE LDS CO (300)	
	GALILEE FLORISTS (300)	

Year	Uses	Source
1991	(continued)	
	GARTHE DAVID J BOORNAZLAN JENSEN & GARTHE ATTYS (300)	
	GENERAL COUNSEL OF THE REGENTS (300)	
	GIBSON HARRY R JR RL EST (300)	
	GILLIES BRUCE D DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	GILLIES E (300)	
	GILLIES J (300)	
	GWYNN C G MAI GWYNN SHIELDS CO (300)	
	GWYNN CHAS G (300)	
	GWYNN J (300)	
	GWYNN JOHN L (300)	
	GWYNN JOHN L GWYNN SHIELDS CO (300)	
	GWYNN M (300)	
	GWYNNE J & L (300)	
	GWYNS CYNTHIA S (300)	
	HAGGERTY GEO ARL EST (300)	
	HAGGERTY GEO E (300)	
	HAGGERTY L (300)	
	HAILE RAYMOND A REILLY & HAILE ATTYS (300)	
	HAILE S (300)	
	HAILE SEIFU (300)	
	HAILE TESGAYE T (300)	
	HANAVAN THOMAS L DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	HARRIS ELIZABETH DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	HART WALTER PUTNAM KNUDSEN & WIEKING INC INSURANCE BROKERS (300)	
	HART WALTER R PUTNAM KNUDSEN & WIEKING INC INSURANCE BROKERS (300)	
	HARTOG JOHN & KATHY (300)	
	HARTOG JOHN A LEMPRES & WULFSBERG PROFESSIONAL CORPORATION A (300)	
	HENDERSHOTT KURT T BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	HENDERSON A (300)	
	HILL WILLIAM R DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	HOWIE HELEN A BOORNAZIAN JENSEN & GARITHE ATTYS (300)	
	HOWIE ROME (300)	
	HU EUGENE C ATTY (300)	
	HU HH (300)	
	HUGHES ROBERT L LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	HUGHES ROBT P & OLGA (300)	

Year	Uses	Source
1991	(continued)	
	HUNEKE NANCY A BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	I ACCOUNTING (300)	
	I AIKEN & WELCH INC (300)	
	IBOORSTEIN A (300)	
	INFORMATION (300)	
	INFORMATION (300)	
	INFORMATION & NUMBERS NOT LISTED ABOVE (300)	
	INFORMATION & NUMBERS NOT LISTED ABOVE (300)	
	INTER AMERICA SHIPPING (300)	
	JAMES RIVER COMMUNICATION PAPERS (300)	
	JAMES RIVER COMMUNICATIONS PAPER (300)	
	JAMES RIVER CORPORATION (300)	
	JAY PHARES CORP (300)	
	JAY R (300)	
	JENSEN ROBERT E BOOMAZIAN JENSEN & GARTHE ATTYS (300)	
	JENSEN ROBERT L (300)	
	JOHNSTON MARILYN J DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	K GA J (300)	
	KAIS E R (300)	
	KAIS E R FOUN DATION HE ALTH PLAN IN C MONDAY THROUGH FRIDAY (300)	
	KAISER CENTER (300)	
	KAISER CENTER BRANCH (300)	
	KAISER CENTER INC (300)	
	KAISER CENTER LOBBY (300)	
	KAISER CHRIS (300)	
	KAISER EMPLOYEES FEDERAL CREDIT UNION (300)	
	KAISER ENERGY INC (300)	
	KAISER INTERNATIONAL CORP (300)	
	KAISER J A (300)	
	KAISER LAKESIDE FEDERAL CREDIT UNION (300)	
	KAISER NANCY (300)	
	KAISER TECH LIMITED (300)	
	KAITA J H (300)	
	KERRINS MICHAEL P BAOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	KIM TERRI ANN ATTY (300)	
	KINGAMAN L (300)	
	KLINGEL SHERWOOD (300)	
	KLOTZ KARRIN L DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	

Year	Uses	Source
1991	(continued)	
	KNUDSEN PEDER D PUTNAM KNUDSEN & WIEKING INC INSURANCE BROKE (300)	
	KOFORD JAMES K KOFORD MCLEOD & RIGGS ATTYS (300)	
	KOFORD MC LEOD & RIGGS ATTYS (300)	
	KRAETZER JOHN F DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	KTING THOS F PUTNARA KNUDSEN & WIEKING INC INSURANCE BROKERS (300)	
	LAKE VIE W CLUB (300)	
	LE MPRE S & W ULFS BE RG PROFE S S ION AL CORPORATION ATTYS (300)	
	LAFRENZ ANDREW W DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	LAKESIDE CATERERS (300)	
	LANAI CLEANERS THE (300)	
	LANAI PHARMACY KAISER CENTER (300)	
	LANAI SHOE REPAIR KAISER CENTER BLDG (300)	
	LANAI TAILORS & ALTERATIONS (300)	
	LAND (300)	
	LANUM STEVEN BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	LEASING (300)	
	LEE CINDY ATTY (300)	
	LEED CLAUDIA BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	LEMPRES MATTHEW D (300)	
	LEMUE ROBIN (300)	
	LEMUE ROBT J (300)	
	LEMUS AGUIRRE CORINA (300)	
	LEMUS HOLLANDS M (300)	
	LOANS (300)	
	MARENGO RONALD J PUTNAM KNUDSEN & WIEKING INC INSURANCE BROK (300)	
	MC LEOD GEO M KOFORD MC LEOD & RIGGS ATTYS (300)	
	MC LEOD H E & BETTIE (300)	
	MIGONE MAMRNA E LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	MIGUEL A (300)	
	MINOLETTI PAUL G BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	MIRFAK ASSOCIATES (300)	
	MIRICK CLIFF (300)	
	MITCHELL E AI BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	MITCHELL E M (300)	
	MITCHELL E MD (300)	
	MOSER ROBERT P PUTNAM KNUDSEN & WIEKING INC INSURANCE BROKER (300)	

Year	Uses	Source
1991	(continued)	
	MULVIHILL WILLIAM T BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	MYERS RALPH E INSURANCE AGENCY INC (300)	
	MYERS RAY (300)	
	N H UNIWIDE (300)	
	NATURAL RESERVE SYSTEM (300)	
	NEW ACCOUNT INFORMATION (300)	
	NEW LOAN INFORMATION (300)	
	PUTN AM KN UDS E N & W IE KIN G IN C IN S URAN CE BROKE RS (300)	
	PARKING OFFICE (300)	
	PENDERGRASS EMMA H ATTY (300)	
	PENDERGRASS HAROLD J (300)	
	PERSONNEL (300)	
	PERSONNEL SERVICES (300)	
	PHARES HUGH K IL ATTY (300)	
	PLANNING (300)	
	PLTTS MARINA B BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	POPPY RANDALL G BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	PRESIDENT OF THE UNIVERSITY (300)	
	PRODUCTION (300)	
	PROGRAMS (300)	
	READ DONALD H DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	REESE CHARLES W ATTY (300)	
	RESOURCE OPTIONS (300)	
	RESOURCE TEMPORARY SERVICE (300)	
	RIGGS JAMES H KOFORD MC LEOD & RIGGS ATTYS (300)	
	RIGGS JAMES P (300)	
	RIGGS JAS H & JUDITH M (300)	
	RIGGS K (300)	
	ROBERGE WILFRID F JR DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	ROBERTS ELINAR BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	ROBERTS ELIZABETH (300)	
	ROBERTS ELLEN & K (300)	
	ROBINSON HARRISON S DONAHUE GATLAGHER THOMAS & WOODS ATTYS (300)	
	ROBINSON HARRY J (300)	
	ROCKWELL GREGORY J BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	ROCKWELL LAWRENCE K DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	

Year	Uses	Source
1991	(continued)	
	SALES (300)	
	SECURITY & AFTER HOURS (300)	
	SENIOR VICE PRESIDENT ACADEMIC AFFAIRS (300)	
	SENIOR VICE PRESIDENT ADMINISTRATION (300)	
	SERVICES (300)	
	SHAW DONALD B DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	SMITH JARED R BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	SMITH THOMAS S & MARY ANN (300)	
	SMITH THOMAS S DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	SPECIAL ASSISTANT TO THE PRESIDENT (300)	
	SPIVOCK & SPIVOCK BLDRS (300)	
	STOPBAUGH KEVIN C BOORNAZIAN JENSET & GARTHE ATTYS (300)	
	STUMP MARK A ATTY (300)	
	SWERDLOW ALAN E BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	SYKES JEFFREY A LEMPRES & WULFSBERG PROFESSIONAL CR CORPATIO (300)	
	TDS FOODS INC (300)	
	TDS FOODS INC (300)	
	THE PRE S IDE N T & RE GE N TS OFFICE RS (300)	
	TREASURER OF THE REGENTS (300)	
	TREPPER A JEWELER (300)	
	UNIVERSITY AUDITOR (300)	
	UNIVERSITY CONTROLLER (300)	
	VICE PRESIDENT AGRICULTURE AND NATURAL RESOURCES (300)	
	VICE PRESIDENT HEALTH AFFAIRS (300)	
	VICE PRESIDENTS BUDGET & UNIVERSITY RELATIONS (300)	
	WANG JOS & OLIVE (300)	
	WANG JOS ANTHONY (300)	
	WASSERMAN S (300)	
	WATECK B ALISON BOORNAZIAN JENSEN & GARTHE ATTYS (300)	
	WATEGA GARY T (300)	
	WATEGA GARY T CONSTRUCTION SN LDRO (300)	
	WELCH RITA (300)	
	WELCH ROBERT B (300)	
	WESTERN REGION (300)	
	WIEKING JAMES P PUTNAM KNUDSEN & WIEKING INC INSURANCE BROKE (300)	
	WIELAND M (300)	
	WILSHIRE COMPANY (300)	
	WILSHUSEN HENRY (300)	

Year	Uses	Source
1991	(continued)	
	WILSON (300)	
	WILSON A (300)	
	WILSON A (300)	
	WILSON A (300)	
	WILSON A (300)	
	WILSON A (300)	
	WINKELMAN BRUCE H (300)	
	WONG JOSEPH T (300)	
	WOOD RABT N DONAHUE GALLAGHER THOMAS & WOODS ATTYS (300)	
	WOODS (300)	
	WOODS JOSEPHINE (300)	
	WOODS ATTYS (300)	
	WOODS ATTYS (300)	
	WOODS ATTYS (300)	
	WULFSBERG H JAMES LEMPRES & WULFSHERG PROFESSIONAL CORPORATI (300)	
	I FARLEY CS (300)	
	SPIVOCK MUNROE L (310)	
	NICHOLS PATRICIA ATTY (380)	
	NICHOLS PATRICK (380)	
	NICHOLS PATRICK E TOYS (380)	
	****MADISON ST****	Pacific Bell White Pages
	SOUND COMMUNICATION SYSTEMS (1800)	
	SOUND CRAFT DISC JOCKEYS & VIDEO (1800)	
	SOUND CRAFT PRODUCTIONS (1800)	
	****E 19TH ST****	Pacific Bell White Pages
	MTWO DTWO (132)	
	****19TH ST****	Pacific Bell White Pages
	ARNOLD MARIE V (177)	
	BELLANDI WILMA HACKETT (177)	
	BELLANI EDW MRS (177)	
	BENKISER HENRY F (177)	
	BERGEN S F DR (177)	
	BREWEN MAX M (177)	
	BREWER A (177)	
	BROUDE GLADYS DEBS (177)	
	BROUDE K G (177)	
	BROUDE M (177)	
	BROUDE SAMUEL G RABBI (177)	
	BROUDY AUBREY BOB (177)	
	BROUDY D (177)	
	BROUDY N (177)	

Year	Uses	Source
1991	(continued)	
	CARY CHAS A (177)	
	CHENG LOT (177)	
	CYTRON BERNARD (177)	
	CYTRON STEPHEN & NANCY (177)	
	CZAJKA MR (177)	
	CZAJKA S R (177)	
	CZECH STANISLAW & VIRGONDY (177)	
	DIETZ JOHN E (177)	
	DIETZ MARK (177)	
	DREIMAN RN (177)	
	GASPARETTI RENATO (177)	
	GASPARI JOS (177)	
	GASPARI MARIE & LAURA (177)	
	GOLDSTANE RUTH (177)	
	GOLDSTONE CHAS I (177)	
	GOLDSTONE CHASL (177)	
	GOLDSTONE PAUL (177)	
	GOLDSTROM F (177)	
	GOLDSTROM FOSTER (177)	
	GOLDSTROM H OWEN (177)	
	GOLDSTROM LA (177)	
	GOLDT K (177)	
	GOLDWASSER DAWN (177)	
	GOLDWASSER FRANCK (177)	
	HASSELL DAVID A (177)	
	HASSELL HENRY H (177)	
	HERSHAL M (177)	
	HORTON GEO H (177)	
	HORTON H N (177)	
	HOVSEBIAN HAIG (177)	
	HOVSEPLAN ALFRED A (177)	
	HYMAN HAROLD BOB (177)	
	HYMAN LARRY & LAUREN (177)	
	LAKE ROYAL APARTMENTS MGRS OFC (177)	
	LAKE S D (177)	
	LERCH R BILL (177)	
	LIPMAN MELVIN (177)	
	LIPMAN SHIRLEY A (177)	
	MABERRY N G (177)	
	MABEY MARK N (177)	
	MARX WM (177)	
	MC NEILL ELYANE (177)	
	MC NEILL ROYCE (177)	

Year	Uses	Source
1991	(continued)	
	MC NEILL S (177)	
	MILNER RICHARD J (177)	
	MILNOR S S (177)	
	MILO ANN (177)	
	MOHR FRANK C (177)	
	MURPHY VICTOR C (177)	
	MURPHY W (177)	
	MURPHY WARREN TCAPT (177)	
	MURPHY WILHELMINA (177)	
	MURPHY WILLIAM (177)	
	ONE KAISER PLAZA SUITE 1250 (177)	
	RIZZO N L (177)	
	ROIZEN MANNY (177)	
	SILVER A ROBT MRS (177)	
	STEWART MARTHA A (177)	
	STONE LEE (177)	
	STONE LEONARD H DURANT AV BRK (177)	
	SWAYNE LLOYD (177)	
	TURNER JOHN FELTON (177)	
	TURNER JOHN FELTONATTY ORDWAY BUILDING (177)	
	TURNER JOHN W (177)	
	I BROWN FORREST E (177)	
	CALIFORN IA N E VADA ME THODIS T HOME S (201)	
	LAKE MERRITT HEART CARE A MEDICAL CLINIC (201)	
	SLEDGE CARLOS R PH D MD (201)	
	CRAWFURD STEPH EN (212)	
	****19TH****	Pacific Bell White Pages
	SIRGO HENRY F (177)	
1992	****17TH ST****	Pacific Bell Directory
	101 SASSI ALEXANDER (150)	
	102 BECKFORD RUTH (150)	
	108 WALLACE A G (150)	
	304 CARMINES BEN (150)	
	307 DALTON MARCUS (150)	
	402 CAMPBELL VICTORIA (150)	
	403 RIES MARY (150)	
	404 FERGUSON DEAN (150)	
	408 JORDON KEVIN (150)	
	502 MOOREHEAD ROBERT E (150)	
	601 LAWSON T (150)	
	602 HOLMES DAVID (150)	
	603 MAHONEY BRETT (150)	
	604 BEFEKADU FASSIL (150)	

Year	Uses	Source
1992	(continued)	
	607 ADKISSON THOMAS (150)	
	701 DE VERA PAUL (150)	
	(150)	
	HALL VICTOR PHOTOGRAPHY (153)	
	11 MORAGNE DAVID C JR (159)	
	15 FIGUEROA DANIEL (159)	
	5 FREMSTAD JOYCE (159)	
	9 JUNGELS STEPHEN & JUDITH (159)	
	(159)	
	101 SMITH STEVEN K (160)	
	201 ROUTHIER A JAMES (160)	
	205 STAGGERS VERNON (160)	
	301 HARRINGTON RAY H (160)	
	304 WITHERSPOON KEVIN (160)	
	(160)	
	1 CARDEN A CHARLES (245)	
	106 MORGAN SAML A JR (245)	
	108 WASHINGTON W (245)	
	110 INGRAM THELMA B (245)	
	207 JACKS D (245)	
	209 SEAMAN WALLACE (245)	
	301 KEDIK G (245)	
	303 MARINKOVICH JACK (245)	
	308 KHAN FAROOK (245)	
	311 AGESEN VERNON (245)	
	(245)	
	FISHER ASSOCIATES QUESTIONED DOCUMENT (266)	
	RAND INVESTIGATIONS (266)	
	THOMPSON TAMARA INVESTIGATIONS (266)	
	PARAMOUNT EXPORT CO (280)	
	****ALICE ST****	Pacific Bell Directory
	1114 THOMAS MAGGIE H (1850)	
	1129 SHAFFER ELLIOTT (1850)	
	1209 SOHER L J (1850)	
	1213 WEBSTER ROBT G (1850)	
	308 HEMPHILL ARTHUR D & BERNICE (1850)	
	405 HAZELTON SYDNEY N (1850)	
	601 FULLER DENNIE E (1850)	
	905 LEMIEUX EARL J MRS (1850)	
	913 JOHNSON SHEPARD & HELEN (1850)	
	LAKE PARK RETIREMENT RESIDENCE (1850)	
	(1850)	
	****HARRISON ST****	Pacific Bell Directory

Year	Uses	Source
1992	(continued)	
	1500 PRICE WATERHOUSE (1800)	
	1616 DS SPORTS INC INTERNATIONAL (1800)	
	1616 RANKIN SPROAT & POLLACK AN ASSOCIATION OF (1800)	
	1771 RANDICK & ODEA (1800)	
	1771 ZIEGLER & WILLCOXON (1800)	
	2300 HIROSE OTO & BAILEY ACCOUNTANTS INC (1800)	
	EASTERN NEWSTANDS (1800)	
	PRENTISS PROPERTY LTD (1800)	
	TAYLOR & FIELD (1800)	
	UNION BANK (1800)	
	(1800)	
	A ROONEY IDA NOLT & AHERN (1805)	
	WARREN LEONARD H CPA (1805)	
	(1805)	
	103 HAFEN JANE DR-IN VISION OPTOMETRY (1901)	
	103 ZUCK DONALD J OD (1901)	
	1400 JOHNSON LAWRENCE & ASSOCIATES (1901)	
	1500 JOHNSTON HORTON & ROBERTS (1901)	
	1590 TRANS-PACIFIC GEOTHERMAL INC (1901)	
	1650 BENNETT & JOHNSON (1901)	
	1650 WESCO INVESTIGATION (1901)	
	900 BARRINGTON MANAGEMENT GROUP INC (1901)	
	900 WILLIAMS CAROL H ADVERTISING AGENCY (1901)	
	901 CHECKERBOARD REALTY (1901)	
	901 CRENSHAW THOMAS C (1901)	
	901 SHIELDS AUDREY (1901)	
	901 STUCKEY & PRICE (1901)	
	920 FORTE SOFTWARE INC (1901)	
	DIVERSIFIED PARKING WORLD SAVINGS CENTER (1901)	
	FOUNDERS TITLE COMPANY OF ALAMEDA COUNTY (1901)	
	FOUNDERS TITLE COMPANY OF ALAMEDA COUNTY (1901)	
	GERBA RAYMOND E (1901)	
	LARSON & BURNHAM (1901)	
	LATTES (1901)	
	PRENTISS PROPERTIES LTD INC (1901)	
	(1901)	
	****JACKSON ST****	Pacific Bell Directory
	101 WAGENET CLIFFORD (1880)	
	206 SMITH DARREN J (1880)	
	208 LEWIS JOHN A (1880)	
	306 LOWERY WILLIAM (1880)	
	401 CHAO BERNARD (1880)	
	402 SCHULTZ BART (1880)	

Year	Uses	Source
1992	(continued)	
	(1880)	
	10 WONG DAVID BRUCE (1906)	
	2 MARCHAL BENJAMIN (1906)	
	4 WASHBURN DONALD J (1906)	
	6 BATTIN TOM (1906)	
	9 OLSON DAVID (1906)	
	(1906)	
	A-1 CAR ACCIDENT ATTORNEY (1941)	
	ROGERS JIM-PEOPLE S LAWYER (1941)	
	****LAKESIDE DR****	Pacific Bell Directory
	1 THARSING HOWARD (151)	
	112 DAHL RANDALL (151)	
	309 GRANT B R (151)	
	(151)	
	104 STORK DAVID R (200)	
	104 STORK ROBERT J MRS (200)	
	201 ROSS ROBT (200)	
	203 WINSTON LEW E (200)	
	205 BARTLETT JAY P MD (200)	
	301 PINATA PUBLICATIONS (200)	
	303 AXELL CURTIS M (200)	
	404 FORRESTER M RANKIN (200)	
	405 LYLE RICHARD E (200)	
	903 EDELSTEIN GORENBERG & ASSOCIATES NURSE (200)	
	PEOPLE S LAWYER (200)	
	REGILLUS HOME OWNERS ASSOCIATIONS (200)	
	(200)	
	10 HEACOCK B C (244)	
	11 HANSON JOHN E (244)	
	15 CONEY J J (244)	
	19 AMES LAWRENCE C (244)	
	20 VESPER HOWARD G (244)	
	3 SHUEY HERBERT S (244)	
	4 PYNE THOMAS M (244)	
	8 O SHEA JOHN P (244)	
	9 LUCKS ROY G (244)	
	MGR HODSON BERNICE (244)	
	TWO-FORTY-FOUR LAKESIDE DRIVE (244)	
	(244)	
	106 KELLY TEMPORARY SERVICES (300)	
	130 LANAI CLEANERS THE (300)	
	1340 A B B TRADING U S INC (300)	
	136 GALILEE FLORISTS (300)	

Year	Uses	Source
1992	(continued)	
	1375 RESOURCE OPTIONS (300)	
	1980 ANGELO HEATH JR (300)	
	1980 GIBSON HARRY R JR (300)	
	1980 GWYNN SHIELDS CO (300)	
	1980 HAGGERTY GEO A (300)	
	1980 JAY-PHARES CORP (300)	
	1980 PHARES HUGH K III (300)	
	200 KAISER LAKESIDE FEDERAL CREDIT UNION (300)	
	203 APPLIED REMEDIAL SERVICES (300)	
	205 TEACH FOR AMERICA (300)	
	250 C T S (300)	
	250 CORPORATE TRAVEL SERVICES INC (300)	
	2800 LAKEVIEW CLUB (300)	
	A TREPPER JEWELER (300)	
	A28 EXPRESS SERVICES DEPOT INC (300)	
	AKER GREGORY R (300)	
	ANDREWS PAULETTE G (300)	
	ASSOCIATED STATIONERS INC (300)	
	BAIER MOLLY J (300)	
	BITTICK CARL (300)	
	BOLTON E BENNETT (300)	
	BOORNAZIAN JENSEN & GARTHE (300)	
	BROWN MEREDITH E (300)	
	CALI STEPHEN L (300)	
	COBB CHARLES A (300)	
	COLVIG TIMOTHY A (300)	
	DONAHUE GALLAGHER THOMAS & WOODS (300)	
	FARLEY B SUZANNE (300)	
	FERRIS PETER H (300)	
	FIRSTMAN ERIC J (300)	
	HARTOG JOHN A (300)	
	HU EUGENE C (300)	
	HUGHES ROBERT L (300)	
	KAISER CENTER INC (300)	
	KAISER EMPLOYEES FEDERAL CREDIT UNION (300)	
	KIM TERRI ANN (300)	
	LANAI BARBER SHOP (300)	
	LANAI SHOE REPAIR (300)	
	LANAI SHOPPE (300)	
	LEE CINDY (300)	
	LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	LEMPRES MATTHEW D (300)	

Year	Uses	Source
1992	(continued)	
	MENDOZA RENEE C (300)	
	MYERS RALPH E INSURANCE AGENCY INC (300)	
	NICHOLS PATRICIA (300)	
	PUTNAM KNUDSEN & WIEKING INC INSURANCE (300)	
	REESE CHARLES W (300)	
	ROSEN ARLENE M (300)	
	ROSENTHAL DAVID A (300)	
	STUMP MARK A (300)	
	SYKES JEFFREY A (300)	
	TDS FOODS INC (300)	
	TDS FOODS INC (300)	
	WARD CAMERON C (300)	
	WULFSBERG H JAMES (300)	
	(300)	
	****MADISON ST****	Pacific Bell Directory
	LAKE MERRITT HOTEL THE (1800)	
	MADISON (1800)	
	SOUND COMMUNICATION SYSTEMS (1800)	
	****19TH ST****	Pacific Bell Directory
	10C ARNOLD MARIE V (177)	
	10D BROUDE GLADYS DEBS (177)	
	10E DIETZ JOHN E (177)	
	11B LANGER JACK & TILLIE (177)	
	11E LERCH R BILL (177)	
	1A LIPMAN SHIRLEY A (177)	
	1C HERSHAL M (177)	
	1D GOLDSTONE CHAS I (177)	
	1D GOLDSTONE CHAS I (177)	
	2A SILVER A ROBT MRS (177)	
	2E GASPARETTI RENATO (177)	
	3A DRELMAN R N (177)	
	3C BERGEN S F DR (177)	
	4A CARLSON DAVID B (177)	
	4B TURNER JOHN FELTON (177)	
	4D STEWART MARTHA A (177)	
	4E WHYTE FRANCES CARY (177)	
	5B HORTON GEO H (177)	
	5E MURPHY VICTOR C (177)	
	6C ROIZEN MANNY (177)	
	6D BELLANDI WILMA HACKETT (177)	
	6E MARX WM (177)	
	7D STONE LEE (177)	
	7E MCNEILL ROYCE (177)	

Year	Uses	Source
1992	(continued)	
	8A CYTRON BERNARD (177)	
	8C HEINRICH EARL E & LILLIAN (177)	
	8D MOHR FRANK C (177)	
	8E BROWN FORREST E (177)	
	9A BENKISER HENRY F (177)	
	9B HYMAN HAROLD BOB (177)	
	9C BREWEN MAX M (177)	
	9D SIRGO HENRY F (177)	
	HASSELL DAVID A (177)	
	LAKE ROYAL APARTMENTS (177)	
	(177)	
	CALIFORNIA NEVADA METHODIST HOMES (201)	
	SLEDGE CARLOS R PHD MD (201)	
1996	**17TH ST**	Pacific Bell Directory
	102 BECKFORD RUTH (150)	
	204 HARRISON D (150)	
	209 PORTILLO MOLLY (150)	
	304 CARMINES BEN (150)	
	306 ORAH CHUKWUEMEKA (150)	
	402 CAMPBELL V (150)	
	507 GRANDISON L R DR (150)	
	602 HOLMES DAVID (150)	
	701 DE VERA PAUL (150)	
	(150)	
	HALL VICTOR PHOTOGRAPHY (153)	
	1 KAELIN SCOTT (159)	
	11 MORAGNE DAVID C JR (159)	
	15 FIGUEROA DANIEL (159)	
	3 MANCINI M (159)	
	9 DUNNE SARAH (159)	
	(159)	
	102 MCDERMID GRAHAM H (160)	
	205 STAGGERS VERNON (160)	
	(160)	
	1 CARDEN A CHARLES (245)	
	106 CRIST JEROME C III (245)	
	106 DOR CHEZ APARTMENTS (245)	
	110 INGRAM THELMA B (245)	
	211 KIM CHEON SHIK (245)	
	301 KEDIK G (245)	
	303 MARINKOVICH JACK (245)	
	(245)	
	YWCA-YOUNG WOMEN S CHRISTIAN ASSN (250)	

Year	Uses	Source
1996	(continued)	
	PARAMOUNT EXPORT CO (280)	
	ALICE ST	Pacific Bell Directory
	315 SOHER L J (1850)	
	814 SEELY JOHN (1850)	
	905 LEMIEUX EARL J MRS (1850)	
	913 JOHNSON SHEPARD & HELEN (1850)	
	LAKE PARK RETIREMENT RESIDENCE (1850)	
	(1850)	
	HARRISON ST	Pacific Bell Directory
	1501 FORTE SOFTWARE INC (1800)	
	1616 RANKIN SPROAT & POLLACK AN ASSOCIATION OF (1800)	
	1770 FITNESS CENTER (1800)	
	1771 RANDICK & O DEA (1800)	
	2300 HIROSE OTO & BAILEY ACCOUNTANTS INC (1800)	
	2350 WAHRHAFTIG JACK (1800)	
	2350 WAHRHAFTIG MARC (1800)	
	2350 WALTERS WILLIAM (1800)	
	BARAKAT & CHAMBERLIN INC (1800)	
	BOORNAZIAN JENSEN & GARTHE (1800)	
	EASTERN NEWSTANDS (1800)	
	EDEN PLAZA CAFE (1800)	
	PRENTISS PROPERTY LTD (1800)	
	UNION BANK (1800)	
	(1800)	
	BLACK ADOPTION PLACEMENT & RESEARCH CENTER (1801)	
	KWAN HENMI ARCHITECTURE (1801)	
	PACIFIC ENGINEERING ASSOCIATES (1801)	
	A ROONEY IDA NOLT & AHERN (1805)	
	SOULIER JOY CPA (1805)	
	(1805)	
	103 HAFEN JANE DR-IN VISION OPTOMETRY (1901)	
	1400 JOHNSON LAWRENCE & ASSOCIATES (1901)	
	1420 PRUDENTIAL THE (1901)	
	1450 TAYLOR & FIELD (1901)	
	1500 JOHNSTON HORTON & ROBERTS (1901)	
	1530 PRENTISS PROPERTIES LTD INC (1901)	
	1590 TRANS-PACIFIC GEOTHERMAL INC (1901)	
	1650 BENNETT JOHNSON & GALLER (1901)	
	1650 GERBA RAYMOND E (1901)	
	1650 HOOPER RANDAL W (1901)	
	900 WILLIAMS CAROL H ADVERTISING AGENCY (1901)	
	901 FRANCIS LAW GROUP (1901)	
	901 STUCKEY LAW CORPORATION (1901)	

Year	Uses	Source
1996 (continued)		
	ABLE BUILDING MAINTENANCE (1901)	
	GAR TURNER PARKING-WORLD SAVINGS CENTER GAR AGE (1901)	
	LARSON & BURNHAM (1901)	
	LATTES (1901)	
	OLD REPUBLIC TITLE COMPANY (1901)	
	OLD REPUBLIC TITLE COMPANY (1901)	
	(1901)	
	****JACKSON ST****	Pacific Bell Directory
	101 WAGENET CLIFFORD (1880)	
	204 MC AFEE SCOTT (1880)	
	208 LEWIS JOHN A (1880)	
	(1880)	
	10 WONG DAVID BRUCE (1906)	
	3 LA PERRIERE-HUNT JOHN & ALMEE (1906)	
	7 MOORE MARY (1906)	
	(1906)	
	ROGERS JIM-PEOPLE S LAWYER (1941)	
	****LAKESIDE DR****	Pacific Bell Directory
	1 THARSING HOWARD (151)	
	1 THARSING HOWARD (151)	
	108 LIM DENNIS (151)	
	109 MCGILL DONALD C (151)	
	211 ROLLINS FRED (151)	
	212 LAI CHAN SUN (151)	
	305 SCHOFIELD LANE (151)	
	(151)	
	201 ROSS ROBT (200)	
	202 JOHNSON LA FAR BISHOP (200)	
	205 BARTLETT JAY P MD (200)	
	303 AXELL CURTIS & NANCY (200)	
	404 FULLINGTON F KEITH (200)	
	405 LYLE RICHARD E (200)	
	603 LIVINGSTON THOS W (200)	
	803 CRAWFURD MAUDE (200)	
	903 REIN PAUL (200)	
	REGILLUS HOME OWNERS ASSOCIATIONS (200)	
	(200)	
	10 HEACOCK B C (244)	
	15 CONEY J J (244)	
	19 AMES LAWRENCE C (244)	
	8 O SHEA JOHN P (244)	
	(244)	

Year	Uses	Source
1996 (continued)		
	106 KELLY SERVICES (300)	
	1080 LOGICIEL INC (300)	
	130 LANAI CLEANERS THE (300)	
	136 GALILEE FLORISTS & GIFTS (300)	
	1360 SEEKER SOFTWARE LLC (300)	
	1380 FIAMERICA BANK CORP (300)	
	1980 ANGELO HEATH JR (300)	
	1980 GIBSON HARRY R JR (300)	
	1980 GWYNN SHIELDS CO (300)	
	1980 SMITH & WALTERS INC (300)	
	200 KAISER LAKESIDE FEDERAL CREDIT UNION (300)	
	205 TEACH FOR AMERICA (300)	
	2800 LAKEVIEW CLUB (300)	
	AKER GREGORY R (300)	
	ANDREWS PAULETTE G (300)	
	BAIER MOLLY J (300)	
	CALI STEPHEN L (300)	
	COBB CHARLES A (300)	
	COLVIG TIMOTHY A (300)	
	DARBY WILLIAM L (300)	
	DONAHUE GALLAGHER WOODS & WOOD (300)	
	FARLEY B SUZANNE (300)	
	FERRIS PETER H (300)	
	FIRSTMAN ERIC J (300)	
	GINN DAVID W (300)	
	GLASS ASSOCIATES INC (300)	
	HUGHES ROBERT L (300)	
	KELLEY MARK W (300)	
	KIM TERRI ANN (300)	
	LANAI BARBER SHOP (300)	
	LANAI SHOE REPAIR (300)	
	LANAI SHOPPE (300)	
	LEMPRES & WULFSBERG PROFESSIONAL CORPORATION (300)	
	LEMPRES MATTHEW D (300)	
	LOB ASSOCIATED STATIONERS INC (300)	
	MARTIN RYAN ANDRADA & LIFTER (300)	
	NICHOLS PATRICIA (300)	
	RACHELL S BEAUTY SALON (300)	
	REESE CHARLES W (300)	
	RICE GARDEN RESTAURANT (300)	
	ROSENTHAL DAVID A (300)	
	STUMP MARK A (300)	

Year	Uses	Source
1996 (continued)		
	SUPREME BEAN (300)	
	SYKES JEFFREY A (300)	
	TRW ENTERPRISE SOLUTIONS (300)	
	TURNER CONSTRUCTION (300)	
	WARD CAMERON C (300)	
	WULFSBERG H JAMES (300)	
	(300)	
	****MADISON ST****	Pacific Bell Directory
	CLARION SUITES LAKE MERRITT HOTEL THE (1800)	
	TERRACE ROOM AT THE CLARION SUITES LAKE (1800)	
	****19TH ST****	Pacific Bell Directory
	10C HOLMES MARIE V (177)	
	10D ARKY ARLENE (177)	
	10E DIETZ JOHN E (177)	
	11A MCLEAN BRUCE (177)	
	11E LERCH R BILL (177)	
	1A LIPMAN SHIRLEY A (177)	
	1C HERSHAL M (177)	
	1D GOLDSTONE CHAS I (177)	
	1D GOLDSTONE CHAS I (177)	
	2A SILVER A ROBT MRS (177)	
	2C HASSELL DAVID A (177)	
	2E GASPARETTI RENATO (177)	
	3C BERGEN S MRS (177)	
	4B TURNER JOHN FELTON (177)	
	4D STEWART MARTHA A (177)	
	4E WHYTE FRANCES CARY (177)	
	5B HORTON GEO H (177)	
	6D BELLANDI WILMA HACKETT (177)	
	6E MARX WM (177)	
	7D STONE LEE (177)	
	7E MCNEILL ROYCE (177)	
	8A CYTRON BERNARD (177)	
	8C PIERSON MARK D (177)	
	8E BROWN FORREST E (177)	
	9A BENKISER HENRY F (177)	
	9B HYMAN HAROLD BOB (177)	
	LAKE ROYAL APARTMENTS (177)	
	(177)	
	CALIFORNIA-NEVADA METHODIST HOMES (201)	
	DIMAR (201)	
	SLEDGE CARLOS R PHD MD (201)	

Year	Uses	Source
2000	****17TH ST****	Pacific Bell
	108 TEKESTE KIBROM (145)	
	201 TESFAYE SERTSE (145)	
	305 ABEBE MESFIN (145)	
	306 AHMED MOHAMMED (145)	
	(145)	
	101 CRUZ J (150)	
	102 BECKFORD RUTH (150)	
	105 NESTER CHRISTIAN W (150)	
	201 POTT SAMUEL M (150)	
	202 HANNON MARK MATTHEW (150)	
	205 BERHE ABEBA (150)	
	209 HENDERSON JENNIFER (150)	
	301 CHAN RAYMOND (150)	
	304 CARMINES BEN (150)	
	308 SMITH KEAN L (150)	
	401 STEWART MARK (150)	
	402 CAMPBELL V (150)	
	601 RAJU MANOKHARAN P (150)	
	602 HOLMES DAVID (150)	
	609 PRATT JOSEPH (150)	
	(150)	
	10 FERRAN ED (159)	
	11 MORAGNE DAVID C JR (159)	
	15 NADLER DEREK A (159)	
	18 MANCINI M (159)	
	19 RAD AZADEH K (159)	
	2 LACEY ELEANOR E (159)	
	2 LEWIS DARREN J (159)	
	21 EMANUEL JONATHAN (159)	
	4 BEDWELL MICAH (159)	
	5 ARMITIGE PAUL (159)	
	9 ERICKSON KURT (159)	
	(159)	
	102 MCDERMID GRAHAM H (160)	
	201 CHIANG J (160)	
	202 HASSAN LINDA AND DOV (160)	
	204 COLE KATHERINE E (160)	
	205 STAGGERS VERNON (160)	
	304 SNYDER DANIEL V (160)	
	MAXWELL JULIA (160)	
	(160)	
	103 KING CHRISTAL (245)	

Year	Uses	Source
2000	(continued)	
	106 CRIST JEROME C III (245)	
	106 DOR CHEZ APARTMENTS (245)	
	109 HYES JAMES E (245)	
	110 INGRAM THELMA B (245)	
	203 TRUJILLO THERESA (245)	
	303 MARINKOVICH JACK (245)	
	304 ADEM EKRAM M (245)	
	308 PISKUNOV VADIM (245)	
	309 GETACHEW ESKINDER (245)	
	PH-1 KEDIK G (245)	
	(245)	
	YWCA-YOUNG WOMEN S CHRISTIAN ASSN (250)	
	CENTRAL SERVICES (280)	
	PARAMOUNT EXPORT COMPANY (280)	
	STRIDES OF ALAMEDA COUNTY (285)	
	ALICE ST	Pacific Bell
	1009 SCHAEFER ROBERT (1850)	
	1013 DOUGLAS DOREEN E (1850)	
	1021 COOPER STANLEY A (1850)	
	1100 PEDERSON LOTUS (1850)	
	1101 LIN MAY (1850)	
	1105 TEFFT CARL (1850)	
	1107 HUNT M L (1850)	
	1108 RUEIN E L (1850)	
	1110 GARBUTT P A (1850)	
	1116 PENNINGTON BETTE L (1850)	
	1129 HUMPHRIES DONALD (1850)	
	1205 POULTON CORA (1850)	
	1210 BRAND PHAIR M (1850)	
	1212 RAUSCH ILENE N (1850)	
	1213 MUNK PAUL & ANITA (1850)	
	1216 VIERA MARGARET (1850)	
	1220 MALLOCH CARLITA (1850)	
	1221 RENNINGER MARY E (1850)	
	200 FRIEDMAN HENRY & PHYLLIS (1850)	
	226 ARMSTRONG DAISY (1850)	
	307 WINTER ADELE (1850)	
	310 CURTIS JOSEPH F (1850)	
	313 WHITFIELD LAWRENCE (1850)	
	314 MOY CHESTER (1850)	
	316 SHEARER IRENE (1850)	
	318 MOORE WENDALL M (1850)	
	408 STONE CECELIA (1850)	

Year	Uses	Source
2000	(continued)	
	409 WILLIAMS EDITH (1850)	
	413 MURRAY MAXINE E (1850)	
	415 JOHNSON H S (1850)	
	425 MELFI VIRGINIA (1850)	
	501 ELSNER J STUART (1850)	
	505-0 BARSHAD ISAAC (1850)	
	512 WONG LUCILLE (1850)	
	516 LEE NORMAN (1850)	
	516 LEE NORMAN (1850)	
	521 FISHER EVELYN (1850)	
	529 BOSWORTH R (1850)	
	605 GOMPERTZ JOHN L (1850)	
	613 HAHN THERESE (1850)	
	616 SAH B Y & MARGARET (1850)	
	620 EDWARDS ALEXANDRIA (1850)	
	625 HARDACRE THOS E (1850)	
	706 DOLE ALFRED & HELEN R (1850)	
	716 PONS K H (1850)	
	717 OKUTSU JOHN (1850)	
	723 ROSENBAUM ANNE (1850)	
	729 BURKHEAD F ARELINE (1850)	
	801 ARVESON ELMER (1850)	
	805 MELCHIOR JACKLYN (1850)	
	813 TUTTLE MARGARET (1850)	
	814 SEELY JOHN (1850)	
	814 SEELY JOHN (1850)	
	817 JUE M (1850)	
	819 KEATY ANN K (1850)	
	900 BENNETT IRENE M (1850)	
	901 NAPS ALICE E (1850)	
	905 MIYAZAWA PATRICIA (1850)	
	912 SANDAL ETHEL (1850)	
	913 MAXEINER J (1850)	
	LAKE PARK RETIREMENT RESIDENCE (1850)	
	(1850)	
	HARRISON ST	Pacific Bell
	1616 RANKIN SPROAT MIRES TRAPANI (1800)	
	1771 RANDICK & O DEA (1800)	
	2200 FITNESS CENTER (1800)	
	2300 HIROSE OTO & BAILEY ACCOUNTANTS INC (1800)	
	2350 WAHRHAFTIG JACK (1800)	
	2350 WAHRHAFTIG MARC (1800)	
	2350 WALTERS WILLIAM (1800)	

Year	Uses	Source
2000	(continued)	
	BOORNAZIAN JENSEN & GARTHE (1800)	
	EDEN PLAZA CAFE (1800)	
	RUSSO URIARTE & CARR LLP (1800)	
	TECHNOLOGY HOUSE INC (1800)	
	(1800)	
	PACIFIC ENGINEERING ASSOCIATES (1801)	
	STEVENS & ASSOCIATES (1801)	
	HOUSING AUTHORITY OF THE CITY OF OAKLAND (1805)	
	103 HAFEN JANE DR-IN VISION OPTOMETRY (1901)	
	1120 TAGGART & HAWKINS PROFESSIONAL CORPORATION (1901)	
	1400 LAWRENCE JOHNSON & ASSOCIATES (1901)	
	1500 JOHNSTON HORTON ROBERTS & HAND LLP (1901)	
	1530 PRENTISS PROPERTIES LTD INC (1901)	
	1550 ROBBINS PALMER & ALLEN LLP (1901)	
	1620 TRANSPACIFIC CARRIER SERVICES (1901)	
	1630 BJORK LAWRENCE ATTORNEYS AT LAW (1901)	
	1630 WILSON & BLOOMFIELD LLP (1901)	
	1650 BENNETT JOHNSON & GALLER (1901)	
	1650 HOOPER RANDAL W (1901)	
	900 WILLIAMS CAROL H ADVERTISING AGENCY (1901)	
	ABLE BUILDING MAINTENANCE (1901)	
	CALIFORNIA ACCOUNTING CENTER (1901)	
	LATTES (1901)	
	OLD REPUBLIC TITLE COMPANY (1901)	
	PRENTISS PROPERTY MANAGEMENT (1901)	
	SHAH JAY (1901)	
	(1901)	
	150 ASCOT PERSONNEL SERVICES INC (1939)	
	204 CALLAHAN PATRICIA & ASSOCIATES (1939)	
	205 FINANCIAL DYNAMICS (1939)	
	207 TRANSWESTERN PROPERTY COMPANY (1939)	
	218 FRIEDMAN LYNN A (1939)	
	290 CHAPMAN MARIAN C (1939)	
	290 KARKAZIS & LAZANEO MEDIATION SERVICES (1939)	
	300 CRAWFORD SCOTT M CPA (1939)	
	307 SIEGEL & LEWITTER ATTORNEYS (1939)	
	310 SCHERMAN PULP & PAPER (1939)	
	320 DAYLEY MEL (1939)	
	320 ORECK & ORECK (1939)	
	320 RIBACK LINDA (1939)	
	325 AEKO CONSULTING (1939)	
	325 AEKO CONSULTING (1939)	

Year	Uses	Source
2000	(continued)	
	330 GROVE MARVIN M (1939)	
	412 MERIT STEAMSHIP AGENCY INC (1939)	
	412 OCEAN MARINE AGENCY (1939)	
	416 BEESLEY PHYLLIS A CPA (1939)	
	416 KATO JANE H (1939)	
	520 NEW CENTURY TITLE (1939)	
	600 WAGNER & WAGNER ATTORNEY AT LAW (1939)	
	605 PETERSON EDWARD H (1939)	
	610 WEBER JEFFREY & ASSOCIATES (1939)	
	616 BUILDSITE (1939)	
	618 BLUM LORIN B LAW OFFICES OF (1939)	
	710 LEVERETT SARAH (1939)	
	715 BRITANNIA DEVELOPMENTS INC (1939)	
	720 MFT CONSULTING ENGINEERS INC (1939)	
	730 OUTSOURCE CONSULTING SERVICES INC (1939)	
	825 MURPHY & BEERS (1939)	
	AUCTERRA REAL ESTATE GROUP (1939)	
	BRATTER SUSANNE (1939)	
	CALIFORNIA ACCOUNTING CENTER (1939)	
	CAVANAUGH LILLIAN R & CO (1939)	
	E R DEVELOPMENT (1939)	
	GUSMAN & ASSOCIATES (1939)	
	HOOLIHAN TIMOTHY J (1939)	
	JOHNSON CLINTON A (1939)	
	JONES & GIRON CPAS (1939)	
	MCGUINESS & NORTHRIDGE (1939)	
	MCGUINESS ROBERT D (1939)	
	MERRITT PARTNERS (1939)	
	NORTHRIDGE YOLANDA N (1939)	
	PAOLI & BRATTER (1939)	
	PAOLI WILLIAM D (1939)	
	PARK PLAZA BUILDING GARAGE (1939)	
	SCIENTIFIC CERTIFICATION SYSTEMS (1939)	
	STRICKLAND & HAAPALA (1939)	
	WAYNE & GLADYS VALLEY FOUNDATION (1939)	
	(1939)	
	****LAKESIDE DR****	Pacific Bell
	1 STATEN FRANK (151)	
	104 BORJA JOHN (151)	
	108 LIM DENNIS (151)	
	109 MCGILL DONALD C (151)	
	211 ROLLINS FRED (151)	
	212 LAI CHAN SUN (151)	

Year	Uses	Source
2000 (continued)		
	310 TSOI SHUI LIN (151)	
	(151)	
	101 STOFAN JAMES (200)	
	201 ROSS ROBT (200)	
	205 BARTLETT JAY P MD (200)	
	303 AXELL CURTIS & NANCY (200)	
	304 PEREZ RUDOLF (200)	
	304 PEREZ RUDOLF (200)	
	304 PEREZ RUDOLF (200)	
	403 DICKINSON CLARANCE (200)	
	404 CRVARICH ROMAINE (200)	
	405 LYLE RICHARD E (200)	
	602 BARNETT FARRELL (200)	
	603 LIVINGSTON THOS W (200)	
	903 REIN PAUL (200)	
	903 REIN PAUL (200)	
	REGILLUS HOME OWNERS ASSOCIATIONS (200)	
	VERCERAM (200)	
	(200)	
	1 MCELRATH ALDEN & BARBARA JR (244)	
	5 CARLSON JACK JAY (244)	
	PENT WILLIAMS JOHN (244)	
	(244)	
	MADISON ST	Pacific Bell
	BERGER ENTERPRISES (1800)	
	CLARION SUITES LAKE MERRITT HOTEL (1800)	
	TERRACE ROOM AT THE CLARION SUITES LAKE (1800)	
	19TH ST	Pacific Bell
	10C HOLMES MARIE V (177)	
	10D WAN CLINTON Y (177)	
	10E DIETZ JOHN E (177)	
	11E GRUENDL GREG (177)	
	1A LIPMAN SHIRLEY A (177)	
	1D GOLDSTONE CHAS I (177)	
	1D GOLDSTONE CHAS I (177)	
	2A FRAZER WM R & JANE (177)	
	2C EARLENBAUGH CHARLES L (177)	
	2E GASPARETTI RENATO (177)	
	3C BERGEN S MRS (177)	
	4B TURNER JOHN FELTON (177)	
	4E WHYTE FRANCES CARY (177)	
	5B HORTON GEO H (177)	
	5D YAGLIJIAN HARRY (177)	

Year	Uses	Source
2000 (continued)		
	6D HACKETT RAYMOND (177)	
	7C MAK TAILEN (177)	
	7E HOWELL BEVERLY (177)	
	8C PERSON ERIC A (177)	
	9B HYMAN HAROLD BOB (177)	
	9E VAN ECK EVERETT (177)	
	CLAREMONT SYSTEMS INC (177)	
	LAKE ROYAL APARTMENTS (177)	
	(177)	
	200 BLUM EDWARD L (201)	
	CALIFORNIA-NEVADA METHODIST HOMES (201)	
	(201)	
2002	**JACKSON CT**	PACIFIC BELL
	HERNANDEZGAERTO 00 C (1824)	
	HERNANDEZGAERTO C (1824)	

APPENDIX C

Historical Topographic Maps

EDR Historical Topographic Map Report

19th Street Residential Tower Project

222 19th Street
Oakland, CA 94612

Inquiry Number: 2085640.4

November 27, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

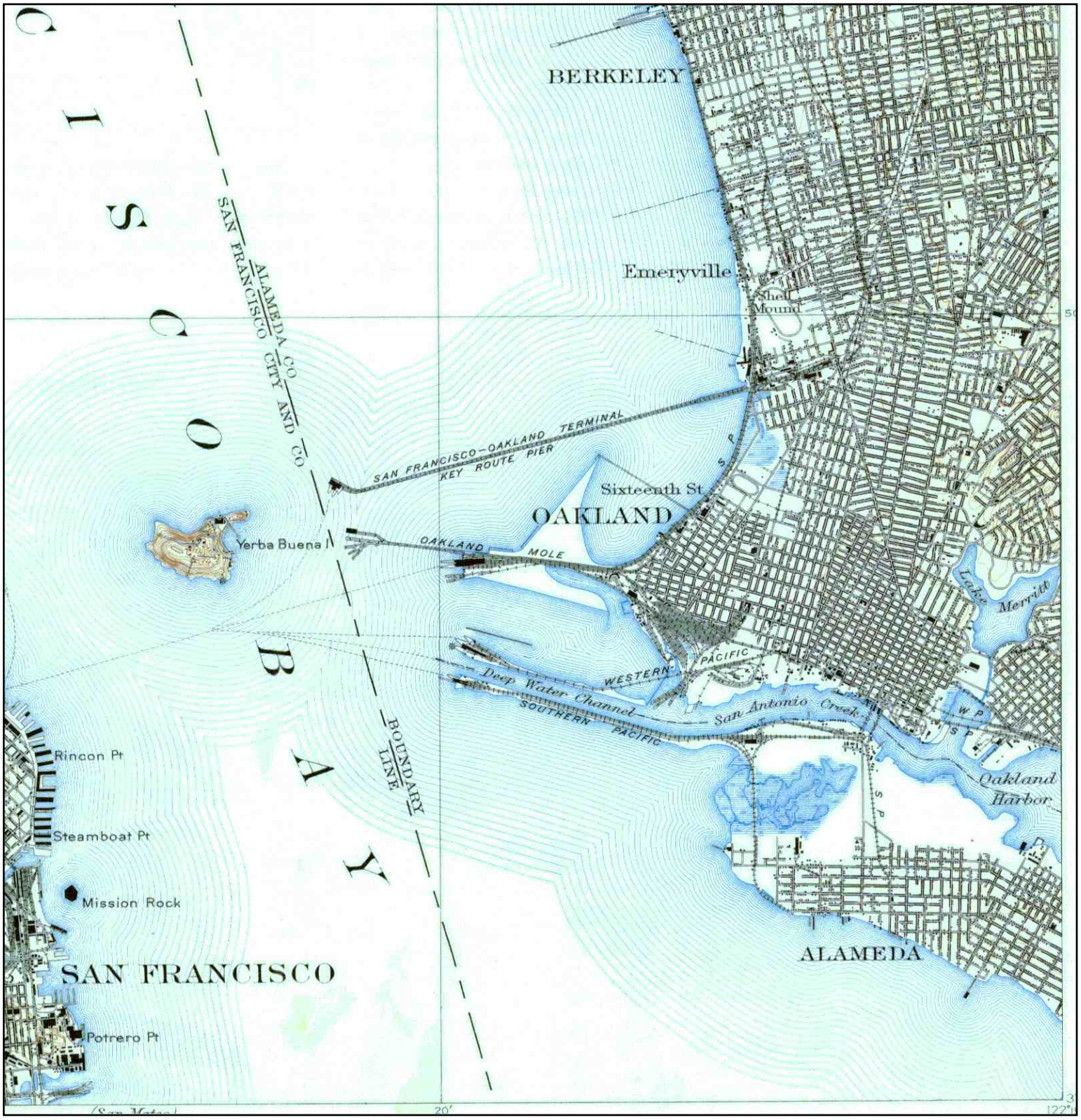
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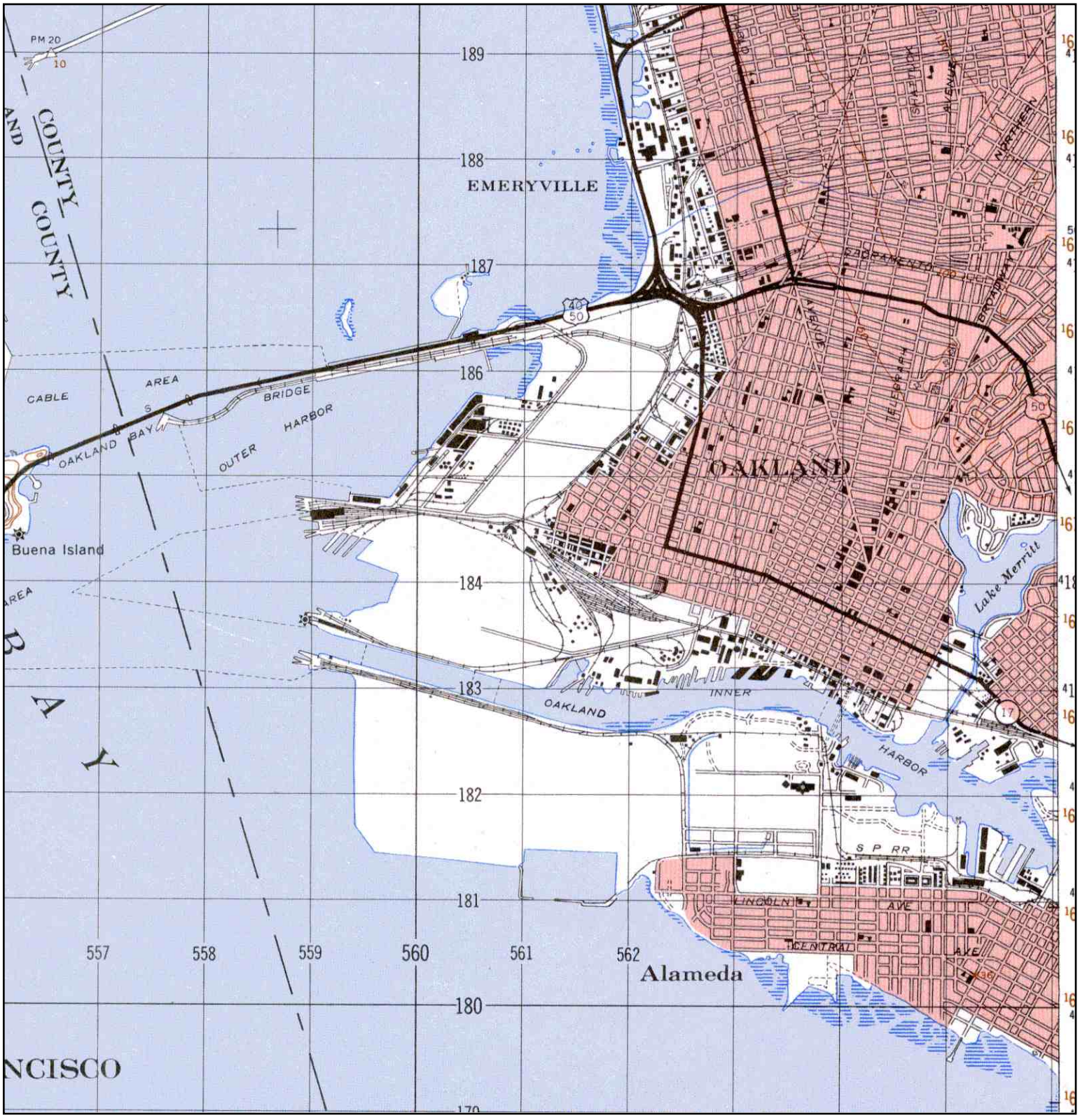
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Historical Topographic Map



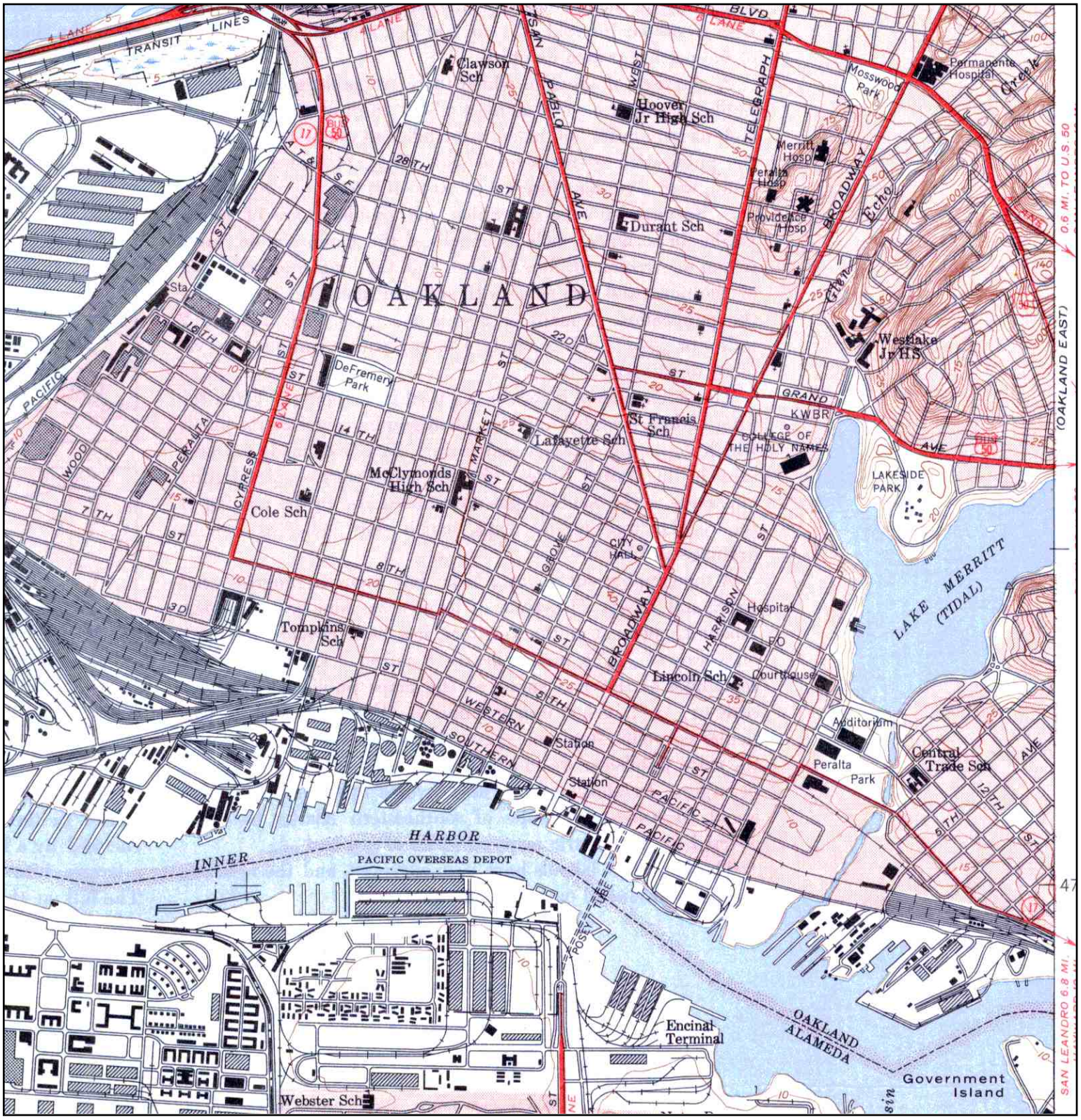
N	TARGET QUAD NAME: SAN FRANCISCO MAP YEAR: 1915 SERIES: 15 SCALE: 1:62500	SITE NAME: 19th Street Residential Tower Project ADDRESS: 222 19th Street Oakland, CA 94612 LAT/LONG: 37.8057 / 122.2636	CLIENT: Baseline Environmental Cons. CONTACT: Reginald Ramirez INQUIRY#: 2085640.4 RESEARCH DATE: 11/27/2007

Historical Topographic Map



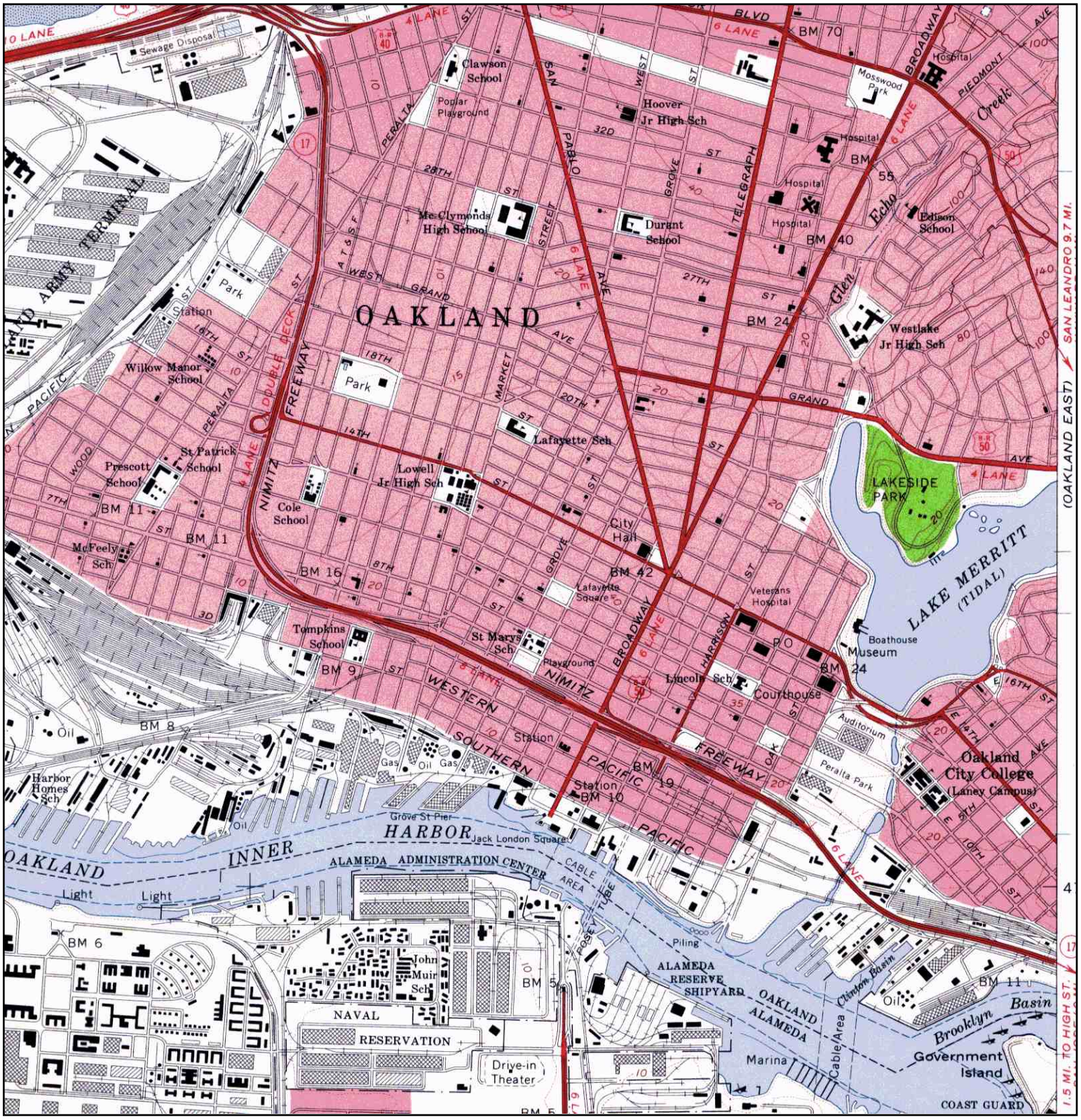
N	TARGET QUAD NAME: SAN FRANCISCO MAP YEAR: 1948 SERIES: 15 SCALE: 1:50000	SITE NAME: 19th Street Residential Tower Project ADDRESS: 222 19th Street Oakland, CA 94612 LAT/LONG: 37.8057 / 122.2636	CLIENT: Baseline Environmental Cons. CONTACT: Reginald Ramirez INQUIRY#: 2085640.4 RESEARCH DATE: 11/27/2007

Historical Topographic Map



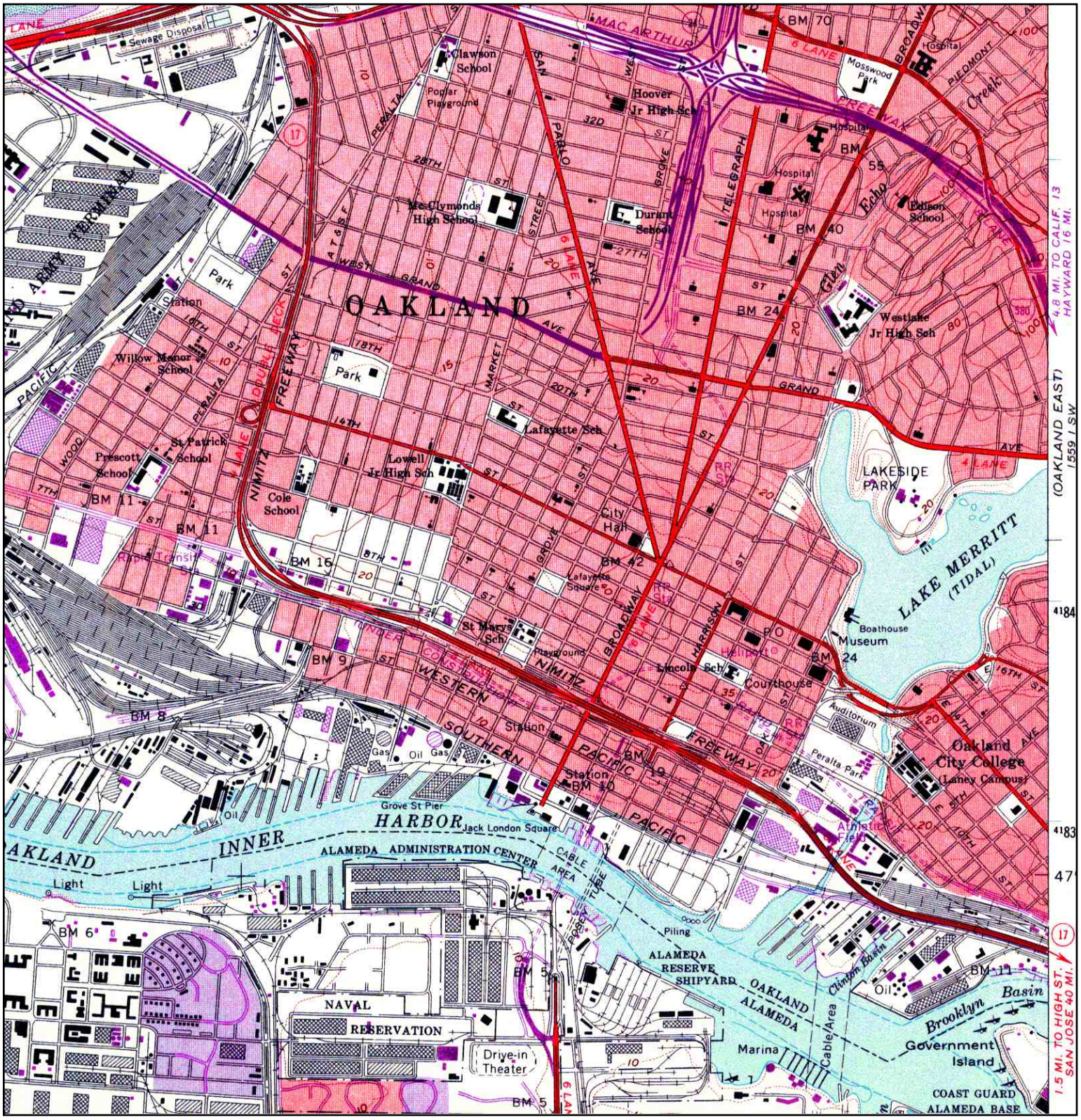
N	TARGET QUAD NAME: OAKLANDWEST MAP YEAR: 1949 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 19th Street Residential Tower Project ADDRESS: 222 19th Street Oakland, CA 94612 LAT/LONG: 37.8057 / 122.2636	CLIENT: Baseline Environmental Cons. CONTACT: Reginald Ramirez INQUIRY#: 2085640.4 RESEARCH DATE: 11/27/2007

Historical Topographic Map



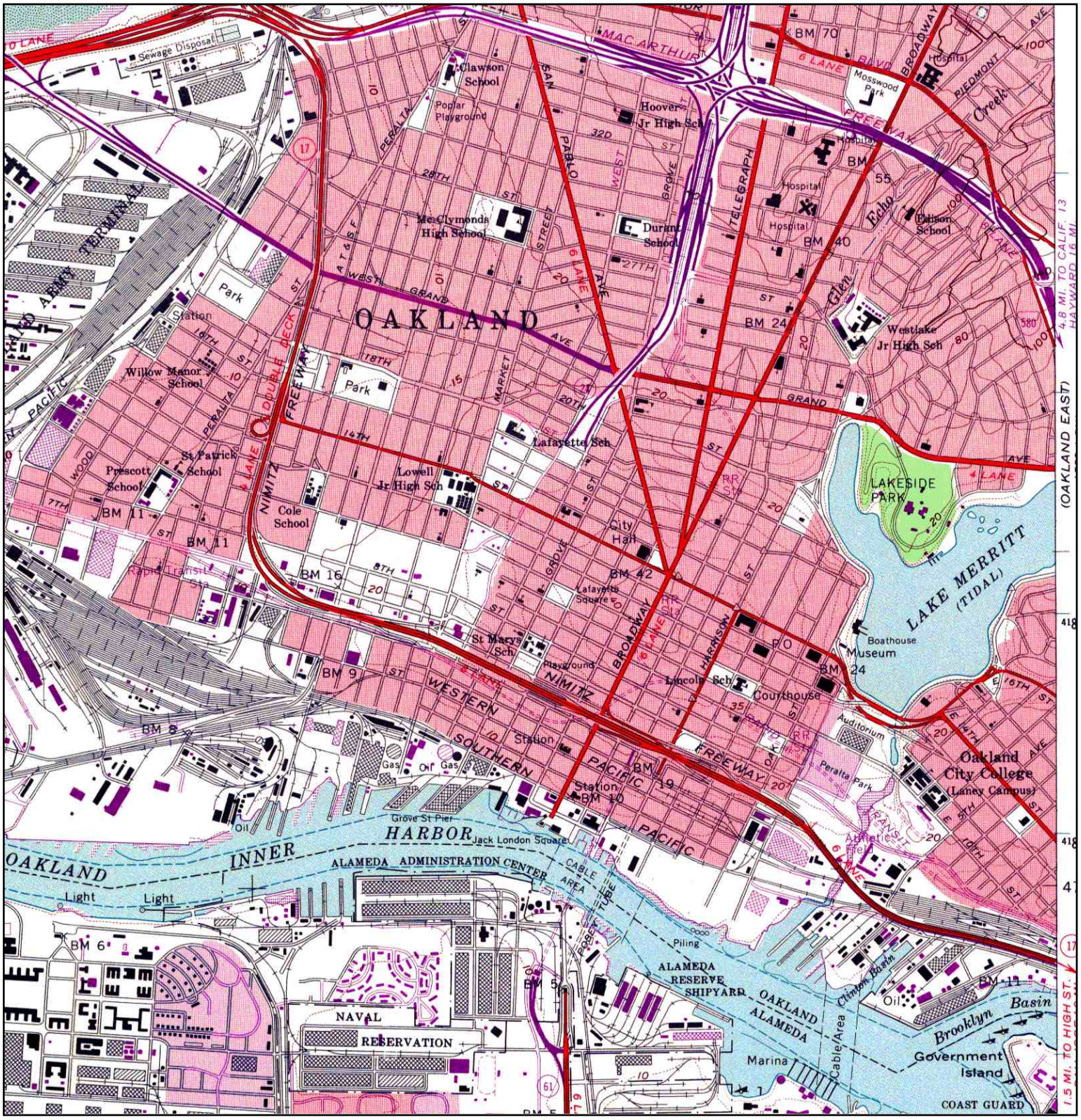
N	TARGET QUAD NAME: OAKLANDWEST MAP YEAR: 1959 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 19th Street Residential Tower Project ADDRESS: 222 19th Street Oakland, CA 94612 LAT/LONG: 37.8057 / 122.2636	CLIENT: Baseline Environmental Cons. CONTACT: Reginald Ramirez INQUIRY#: 2085640.4 RESEARCH DATE: 11/27/2007

Historical Topographic Map



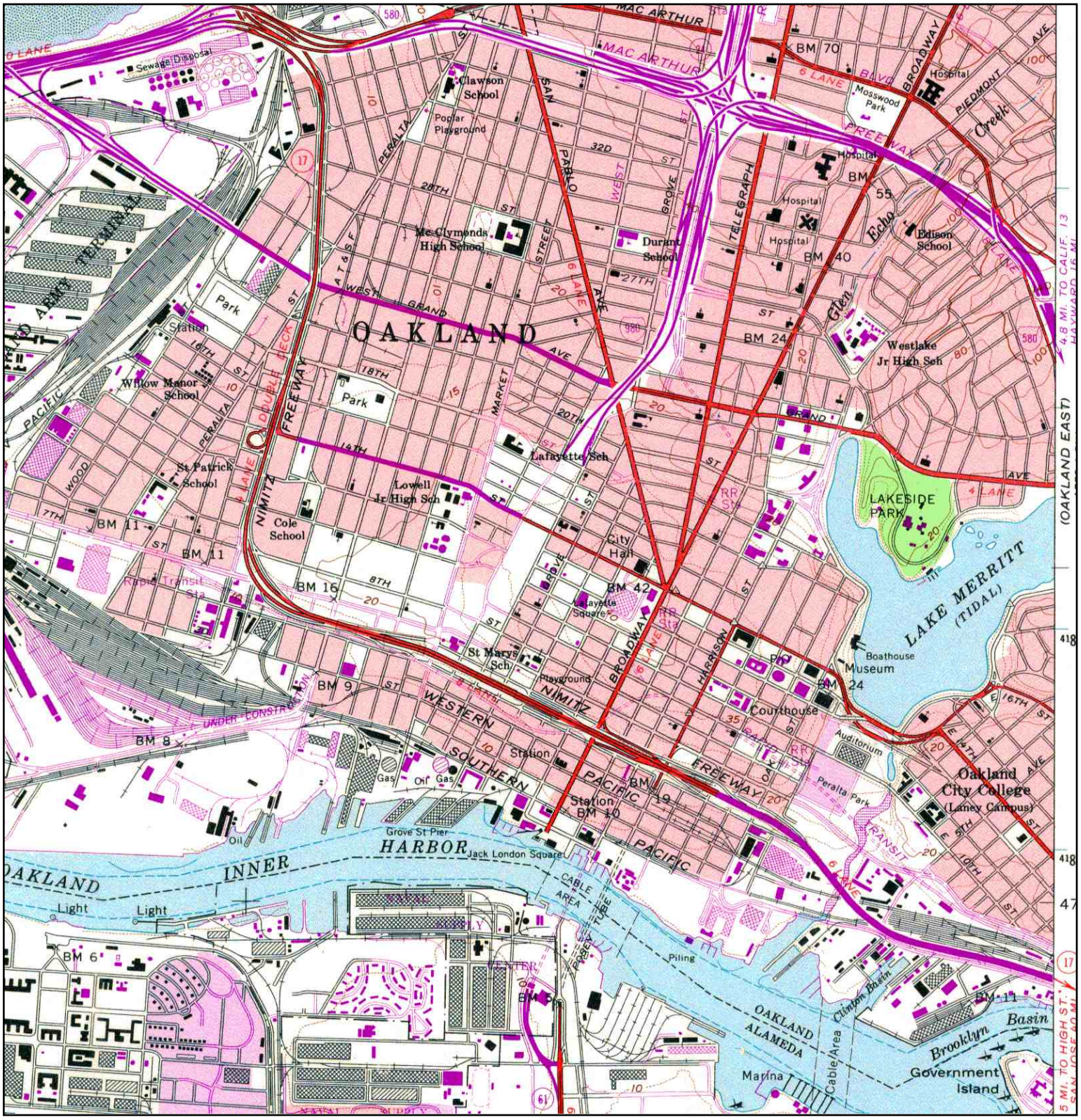
N	TARGET QUAD NAME: OAKLANDWEST MAP YEAR: 1968 PHOTOREVISED FROM:1959 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 19th Street Residential Tower Project ADDRESS: 222 19th Street Oakland, CA 94612 LAT/LONG: 37.8057 / 122.2636	CLIENT: Baseline Environmental Cons. CONTACT: Reginald Ramirez INQUIRY#: 2085640.4 RESEARCH DATE: 11/27/2007

Historical Topographic Map



N	TARGET QUAD NAME: OAKLANDWEST MAP YEAR: 1973 PHOTOREVISED FROM:1959 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 19th Street Residential Tower Project ADDRESS: 222 19th Street Oakland, CA 94612 LAT/LONG: 37.8057 / 122.2636	CLIENT: Baseline Environmental Cons. CONTACT: Reginald Ramirez INQUIRY#: 2085640.4 RESEARCH DATE: 11/27/2007

Historical Topographic Map



N	TARGET QUAD NAME: OAKLANDWEST MAP YEAR: 1980 PHOTOREVISED FROM:1959 SERIES: 7.5 SCALE: 1:24000	SITE NAME: 19th Street Residential Tower Project ADDRESS: 222 19th Street Oakland, CA 94612 LAT/LONG: 37.8057 / 122.2636	CLIENT: Baseline Environmental Cons. CONTACT: Reginald Ramirez INQUIRY#: 2085640.4 RESEARCH DATE: 11/27/2007

APPENDIX D

Oakland Cultural Heritage Survey

The Oakland Cultural Heritage Survey is a project of the Oakland City Planning Department, informally co-sponsored by the Landmarks Preservation Advisory Board and by Oakland Heritage Alliance. This document is one of several prepared by survey staff to describe resources located in Oakland's Central District which appear to meet criteria for listing on the National Register of Historic Places. The Central District survey was conducted on a part-time basis from 1980 through 1985. Staff for the Central District survey has included the following:

CITY PLANNING DEPARTMENT:
Norman J. Lind, Director
Marc Herbert, Assistant Director (to 7/84)
Alvin James, Assistant Director (12/84 to present)

Gary Knecht, Survey Coordinator (11/82 to present)
Laura Niebling, Survey Coordinator (10/81 to 11/82)
Melinda Young Frye, Survey Coordinator (to 9/81)

Anne Bloomfield, Writer
Betty Marvin, Writer

Christopher Buckley, Assistant Planner

Rosanne DiMaggio, graphics

Carmelita Rickman et al, typing

CONSULTANTS:
Michael Corbett, Architectural Historian
Melinda Young Frye, Cultural Historian (to 11/83)
Tom Wolf, Cultural Historian (1/84 to present)
Sally Woodbridge, Architectural Historian

WORK-STUDY:
More than 15 students from the University of California at Berkeley have been employed as Survey Aides under the work-study program.

VOLUNTEERS:
And more than 100 volunteers have given willingly and generously of their time to assist in all aspects of the project.

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This publication was partially funded under the National Historic Preservation Act of 1966 through the California Office of Historic Preservation.

VOLUME V - BUILDING GROUP STATE FORMS

This Volume contains State Forms for the following BUILDING GROUPS/COMPLEXES (listed on or appearing to be eligible for listing on the National Register of Historic Places.)

COMMON NAME / HISTORIC NAME	PROPERTIES
Coit Building Group / Coit (Roger) Building Group	1401-15 Harrison Street* 1425 Harrison Street 1435-45 Harrison Street 300-18 15th Street
King Block / King (Charles H., Kate & Joseph H.) Building Group	300-10 12th Street 312-32 12th Street 334-44 12th Street 337-47 13th Street 301-33 13th Street c. 1229 Harrison Street
Lakeside Drive (244) Complex / Lakeside Drive Apartments, Schilling (August) House Garage, and Garden	244 Lakeside Drive (front)* 244 Lakeside Drive (east side)* 244 Lakeside Drive (rear)*
Leamington Hotel Building Group / Leamington Hotel Building and California Building	1736-42 Franklin Street 1800-26 Franklin Street*
Marcus Hardware Warehouse Annex / Muller Brothers (Ernest F. and Carl G.) Pickle Factory Complex	200 Grove Street* 222-34 Grove Street 618-32 2nd Street 636 2nd Street 629 3rd Street
Oak St. (708-28) House Group/ Unknown (In 7R district)	708-10 Oak Street 714 Oak Street 720-22 Oak Street 726-28 Oak Street
Oakland Iron Works/Remillard Brick Co. Complex / Oakland Iron Works & Remillard Brick Co., later United Iron Works Co. Complex	552 2nd Street* 560-64 2nd Street 568-72 2nd Street* 580 2nd Street* 586-92 2nd Street*
Pacific Gas and Electric Company Station C / Same	601-45 Embarcadero* 628 Embarcadero 50 Grove Street*

* Appears to be Individually Eligible for the National Register

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

HISTORIC RESOURCES INVENTORY

Ser. No. _____
HABS ____ HAER ____ NR 3 SHL ____ Loc ____
UTM: A 10/564940/4184240 B _____
C _____ D _____

IDENTIFICATION

1. Common name: Lakeside Drive (244) Complex
2. Historic name: Lakeside Drive Apartments, Schilling (August) House Garage and Garden
3. Street or rural address: 244 Lakeside Drive
   City Oakland Zip 94612 County Alameda
4. Parcel number: 8-634-1 and 3
5. Present Owner: Lakeside Corp. Address: 155 Sansome St.
   City San Francisco Zip 94104 Ownership is: Public _____ Private X
6. Present Use: Apartments, garage, garden Original use: Same

DESCRIPTION

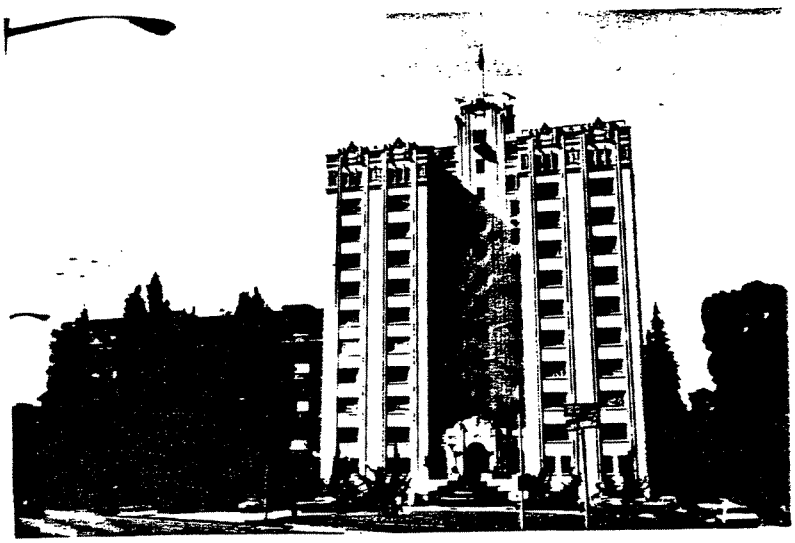
7a. Architectural style: Beaux Arts derivative

7b. Briefly describe the present *physical description* of the site or structure and describe any major alterations from its original condition:

On a mid block lot across Lakeside Drive from Lake Merritt and going through to 19th Street, the Lakeside Drive (244) Complex is a twelve-story 20-unit apartment building and a 2-story garage, both set in a large, partly historic garden. The apartment building is visible from a wide area across Lake Merritt. It is set back from and at an angle to Lakeside Drive, approached by a curving driveway. Open 35' side yards are used on the right (west) as landscaping that relates to the adjoining Snow Park, and on the left (east) for a driveway to the garage on the eastern lot line behind the main building. The two structures are connected by a one-story curved concrete wall penetrated by a curved center stairway leading to the rear garden which occupies roughly the southern half of the site (parcel 8-634-3).

244 Lakeside Drive (front), the apartment building, is a reinforced concrete structure of H-shaped plan open to the north and south. The design is in a somwhat unusual two part vertical composition with the shaft rising directly

(see continuation page 5)



8. Construction date: Estimated _____ Factual c.1901
25
9. Architect Various, see continuation page 3
10. Builder Various, see continuation page 3
11. Approx. property size (in feet) Frontage _____ Depth _____ or approx. acreage 1.41
12. Date(s) of enclosed photograph(s)

269-28A Lakeside Drive (244) Comp 7/82

13. Condition: Excellent X Good X Fair ____ Deteriorated ____ No longer in existence ____

14. Alterations: Much original landscaping changed

15. Surroundings: (Check more than one if necessary) Open land ____ Scattered buildings ____ Densely built-up X
Residential X Industrial ____ Commercial ____ Other: Lake Merritt, Lakeside Park, Snow Park

16. Threats to site: None known X Private development ____ Zoning ____ Vandalism ____
Public Works project ____ Other: ____

17. Is the structure: On its original site? X Moved? ____ Unknown? ____

18. Related features: 200 Lakeside Drive (Regillus Apartments)

SIGNIFICANCE

19. Briefly state historical and/or architectural importance (include dates, events, and persons associated with the site.)

The Lakeside Drive Complex exemplifies both the great era of luxury apartment building in the 1920s and the prominent garden siting of 19th century upper-class homes. The combination has resulted in occupancy by some of Oakland's prominent citizens from the apartment building's opening and continuing today. Its large scale, distinctive design and prominent Lake Merritt location make the complex an especially familiar visual landmark in Oakland. Together with its neighbor, the Regillus, it dominates the middle portion of Lake Merritt's west shore and is closely identified with the image of the lake itself. The 19th Street garden frontage and rear elevation terminate the view along Alice Street from the south and, with the tall trees, provide an attractive focal point for viewing the handsome group of early 20th century apartment buildings along Alice Street between 14th and 17th Streets (see SHRI form for Lakeside Apartment District). The landscaping also provides a visual addition to Snow Park to the west.

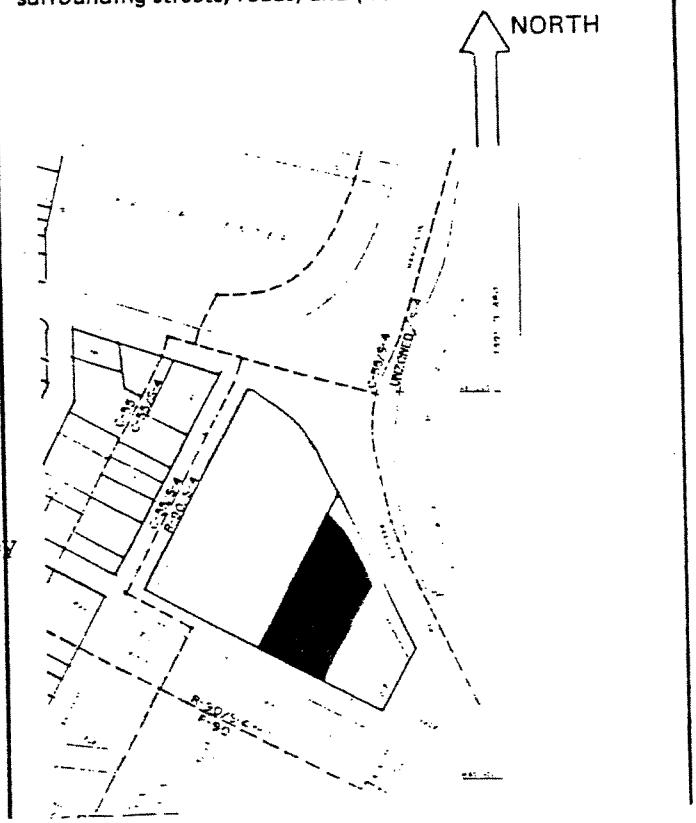
(see continuation page 10)

20. Main theme of the historic resource: (If more than one is checked, number in order of importance.)
Architecture 1 Arts & Leisure ____
Economic/Industrial ____ Exploration/Settlement ____
Government ____ Military ____
Religion ____ Social/Education 2

21. Sources (List books, documents, surveys, personal interviews and their dates).
Assessor's Block Books
Sanborn maps
Building permits, plans & specifications
Oakland Directories
(see continuation page 9)

22. Date form prepared December 31, 1984
By (name) Staff
Organization Oakland Cultural Heritage Survey
Address: City Planning Dept., City Hall
City Oakland Zip 94612
Phone: (415) 273-3941

Locational sketch map (draw and label site and surrounding streets, roads, and prominent landmarks):



© 1985 City of Oakland

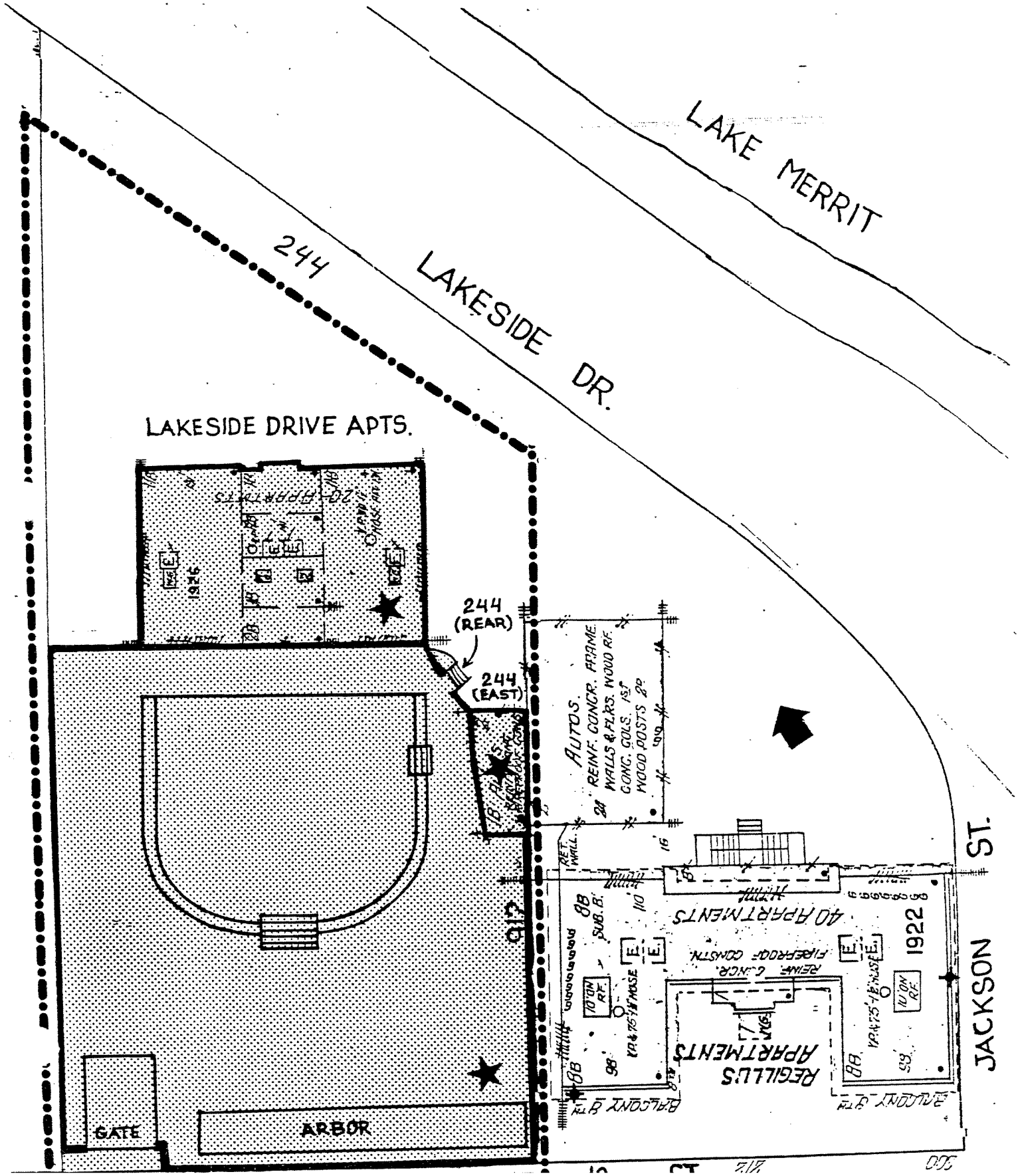
Street or rural address: Lakeside Drive (244) Complex

Address Common Name Historic Name	Date, Cost Architect Builder	Source
244 Lakeside Dr. (front) 244 Lakeside Drive Apartments Lakeside Drive Apartments	1924-25, $500,000 Maury I. Diggs Same	Permit #99600
244 Lakeside Dr. (east side) ...Garage Schilling (August) House Garage	1909-10, $2,000 Unknown Bluxome & Company	Assessor's Block Book, 1910
244 Lakeside Dr. (rear) ... Garden Schilling Gardens (portion)	c.1901, unknown August Schilling Unknown	Assessor's Block Books Jones, Oakland Parks..., 1935: 273-74



269-33A Left to right: garage, steps to garden, apartment building edge, Lakeside..., 7/82

Street or rural address: Lakeside Drive (244) Complex



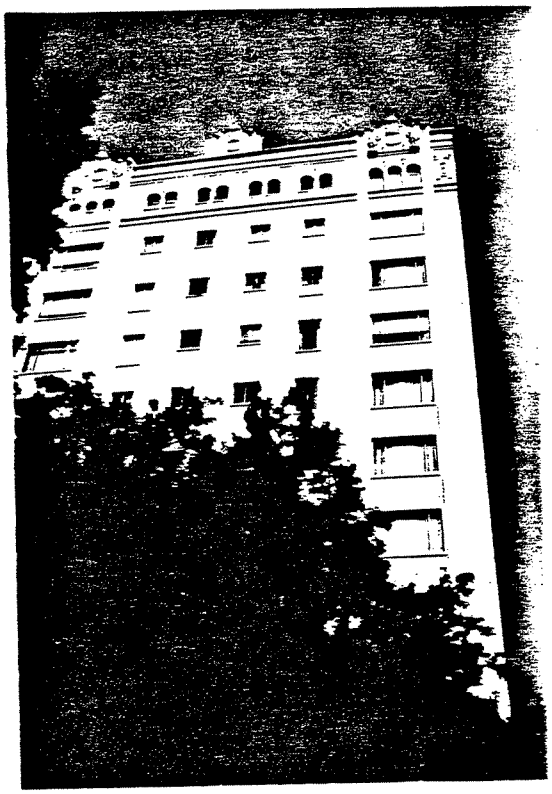
7b. Physical Description (continued from page 5)

composed of imitation tree trunk posts and tree branch beams, draped with original wisteria and roses. Other surviving elements from the Schilling Gardens include one of the several existing redwood trees, a large holly tree, a camperdown elm, tree ferns, and paired wrough iron gates with the initials "A.S." at the west end of the 19th Street frontage. The gates are now mostly covered with chain link and wood slates. Also probably part of the Schilling Garden is a high rubble stone embankment largely hidden by ivy along the 19th Street frontage east of the gates. Originally the gardens were densely landscaped with exotic plants and rare ferns along with fountains and statuary (Jones and old photos). There was also an "artificial cave" (1912-48 Sanborn map). The arbor along the 19th Street frontage once extended a perpendicular arm at the east and down to the auto garage and a shorter arm at the west end (1930-11 Sanborn map). The arbor formerly had electric light fixtures.



295-4 Garden, 244 Lakeside Dr.
looking southwest from lawn,
1983

Street or rural address: Lakeside Drive (244) Complex



269-35A East elevation, 244 Lakeside Dr. apartment, 7/82



269-27A Apartment, 244 Lakeside Dr., 7/82

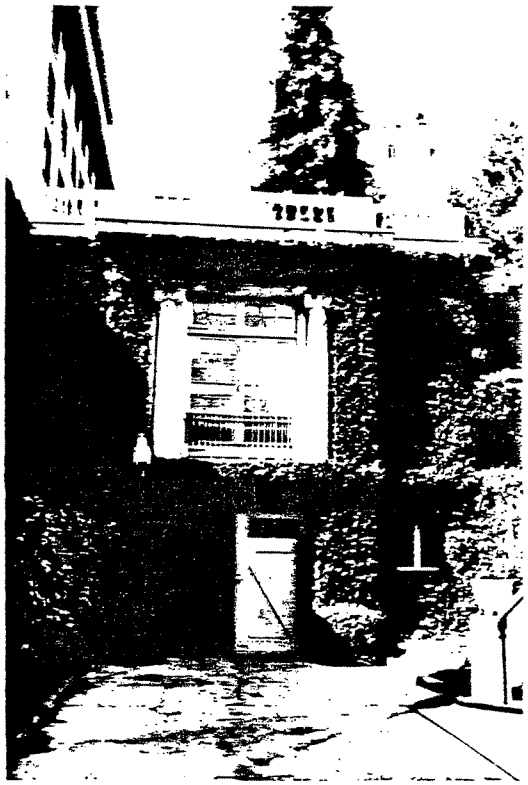


269-29A Entry, 244 Lakeside Dr. apartment, 7/82

Street or rural address: Lakeside Drive (244) Complex



269-36A Lakeside... garage looking south from driveway beside apartment, 7/82



269-32A Garage, 244 Lakeside Drive, 7/82



278-9A Garden, 244 Lakeside Dr., 19th St. side, looking east, 7/82

Street or rural address: Lakeside Drive (244) Complex

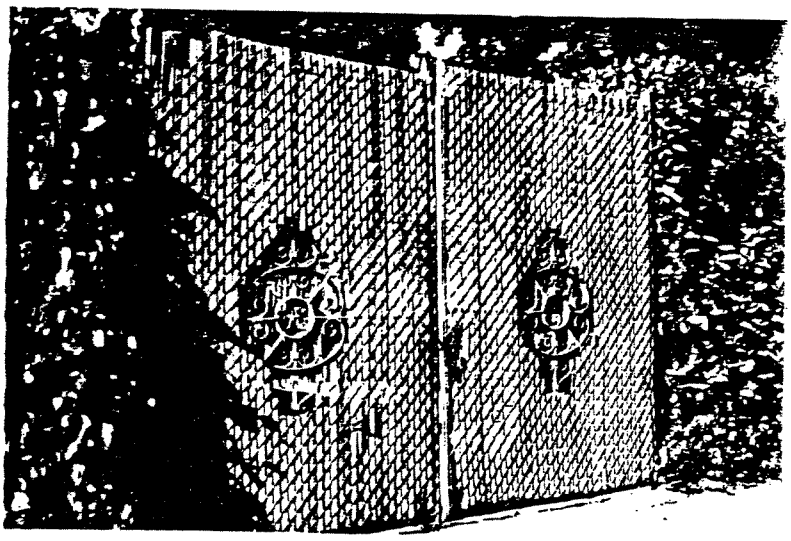


290-35 Tree ferns in garden arbor, 244 Lakeside Dr., 1983



290-36 Vine-covered concrete "tree" in garden arbor 244 Lakeside Dr., 1983

278-12A Garden, 244 Lakeside Dr., 19th St. gate, 7/82



19. Historical and/or Architectural Importance (continued from page 2)

For the first two decades of the 20th century the August Schilling Estate occupied the three parcels now developed with the Lakeside Drive Apartments and the Regillus Apartments (see SHRI form for 200 Lakeside Drive). The Schilling house was on the east end of the estate facing Jackson Street on the site currently occupied by the Regillus Apartments. Lakeside Drive had not yet been constructed, and the north side of the Schilling property directly bordered Lake Merritt. The rest of the estate was devoted to the garden, with a servants' house and the still extant automobile garage in the center and several small outbuildings along the lake perimeter.

The Schilling Gardens were developed beginning in the 1890s by August Schilling, cofounder of the well known coffee, tea and spice firm, A. Schilling & Co., based in San Francisco. They were open to the public at certain times, and their rich and varied collection of exotic plants and fanciful structures made the gardens one of Oakland's favorite attractions. Schilling, a German immigrant, came to San Francisco in the 1870s and founded A. Schilling & Company in partnership with George F. Volkman (O'Brien). In 1892, Schilling bought as his residence the house at the northwest corner of 19th and Jackson Streets built about 1882 by Jonas Seely (Knave). In 1900-01 (Assessor's Block Book) Schilling acquired the large parcel to the west containing the Judge O.L. Shafter residence. He removed the Shafter House and developed the combined sites into the Schilling Gardens. Described as "a great flower fancier", Schilling may have designed much of the gardens himself. In 1903 he had planned a miniature Japanese garden with arched bridge and goldfish pond at the Schilling Company's new building at 2nd and Folsom Streets in San Francisco. The layout also included a geranum-planted hillside topped by a conservatory (O'Brien).

The opening of elaborate private homes and gardens without charge to the general public was a common nineteenth century practice. The Schilling Estate was one of several private parks open to the public in Oakland. In New York City, owners of the Fifth Avenue mansions would throw open their doors to public viewing on Sunday afternoons. These customs were stimulated in part by the belief that exposure of the general public to high quality environments would encourage individuals to improve the quality of their own lives, leading to improvement in the condition of society as a whole.

Jones states that the concrete arbor, called the "hanging gardens", was built later than the rest of the garden complex and was one of its most celebrated features. The arbor's appearance on a 1903 Sanbon Map, but not on a 1901 map, dates it sometime between 1901 and 1903. According to the present management of 244 Lakeside Drive, the arbor was built by Japanese craftsmen. Rustic arbors, built of natural or artificial tree trunks and branches, and similar types of romantically primitive or picturesque structures, such as Schilling's now-vanished cave, were highly characteristic of late nineteenth century landscaping design, reflecting the influence of Alexander Jackson Downing and others. The execution of such structures in concrete recalls more common small-scale concrete "tree branch" garden fences and furniture.

The appearance of $2,000 worth of new improvements on the parcel comprising the Schilling Estate in the 1910 city tax assessment block books with the note "concrete garage about complete" indicates that the garage annex was mostly built in 1910,

(see continuation page 11)

19. Historical and/or Architectural Importance (continued from page 10)

although possibly begun in 1909. The 1911 block book, with the garage valued at $2,000, also shows Schilling owning three autos, valued at $1,500, $2,000 and $300. Architect & Engineer shows the garage built by Bluxom & Company, a San Francisco firm created in 1907 to specialize in reinforced concrete construction, which also built a Sloat Blvd., S.F., water pumping station similar to Willis Polk's P.G.& E. Station G.

The Schilling House remained standing until 1921 when it was sold to Percival A. Palmer who in 1921-2 developed the Regillus Apartments on its site. The northwestern third of the property was developed with the 244 Lakeside Apartments in 1924-25. At about the same time the Schilling Estate sold the southwestern third to the Lakeside Apartment owners as a separate parcel with the condition that the "hanging gardens" remain intact (Jones).

Building permit 99600, issued February 13, 1925 for 244 Lakeside Drive shows owner as Lake Drive Corporation, architect and builder as Maury Diggs, and cost as $500,000. Original plans indicate that Diggs was also the structural engineer. The introduction to the 1926 directory (p.20) indicates that the building was finished during 1925 and describes it as "... a beautiful building constructed by Architect M.I. Diggs and a group of his business associates" and "the first community-owned apartment building in Oakland". A photograph of the building in the 1927 directory (p.20) indicates that it was originally called the Lake Drive Apartments.

Maury I. Diggs (1880-1953) was among the most enterprising and colorful of Oakland's early 20th century architects. An obituary in the January 20, 1953 Oakland Tribune describes him as "a sportsman, promoter and inventor". He is listed in the 1926 through at least 1928 directories as a resident of 244 Lakeside Drive, reflecting his tendency to become personally involved with his major projects. He had previously lived in Piedmont. His other large buildings in Oakland include the 1925-26 Latham Square Building at 1601-15 Telegraph Avenue and, in association with Weeks and Day, the 1927-28 Fox Oakland Theater complex at 1807 Telegraph Avenue (see SHRI forms). For both of these projects, Diggs acted as financial organizer (serving as secretary of a development corporation) and, when the buildings were finished, project manager, in addition to his roles as architect. contractor and engineer. In at least some of his projects he had a substantial financial interest himself. His projects outside of Oakland included Bay Meadows, Golden Gate Fields and Hollywood Race Tracks, the San Jose State Teachers College and San Quentin Prison. Early in his career he worked as California State Architect. After retiring from architecture, Diggs became an inventor, his innovations including new types of paint and insect killer.

The original organization of 244 Lakeside Drive as a community apartment is reflected in an attractive brochure in the possession of the present management, which describes each unit as a "home" and includes photographs of some of the apartments and other interiors, opulently decorated and furnished in the style of the large houses of the period. According to the present management, the condominium-like concept was too innovative for the time, and the building was soon converted to rental units.

The 1926 and 1927 City directories indicate that original or early residents of the building included some of Oakland's most important figures, including

(see continuation page 12)

19. Historical and/or Architectural Importance (continued from page 11)

Oakland Tribune publisher and political magnate Joseph R. Knowland, and William A. and Stephen D. Bechtel of the internationally known Bechtel engineering and construction firm, then called the Bechtel and Utah Construction Company and based in Oakland. A second brochure in the possession of the management, which appears to have been prepared when the building was changed to rentals, identifies Knowland as corporation president and William A. Bechtel as vice-president. The 1967 directory still lists S.D. Bechtel as a resident. According to the management, most of the early residents wished to be relived of the concerns of running a home and were attracted to 244 Lakeside Drive for its combination of apartment house convenience and home-like environment. Many of the residents had been friends or business associates prior to moving into the building.

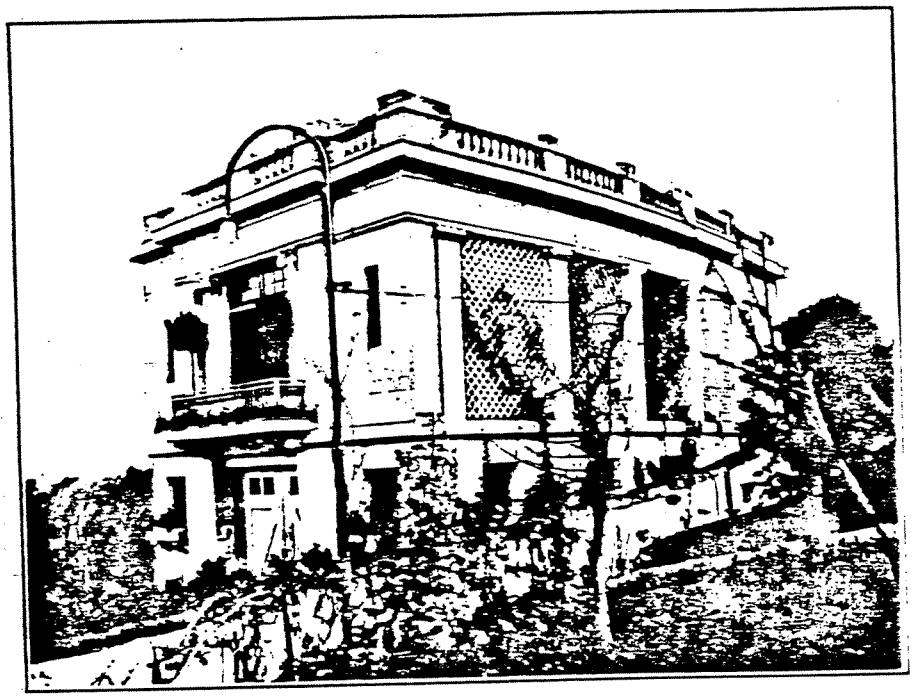
The work of an important early 20th century architect, Maury I. Diggs, the main structure is one of Oakland's best examples of an early 20th century highrise apartment building in its use of materials and quality of detail. It is also significant as the residence during te 1920s of some of Oakland's most distinquished citizens and for its pioneering community ownership arrangement. Most important, however, are its siting, landscaping and citywide familiariety by virtue of its prominent Lake Merritt location.

The surviving elements of the Schilling Gardens are significant as the last reminder of one of nineteenth century Oakland's best-known showplaces, illustrative of some of the social attitudes peculiar to its era, and a type of garden with few surviving local examples. The rustic style arbor section is especially significant as an extremely unusual turn-of-the-century garden element constructed in concrete. The garage is significant for its associations with the Schilling complex, as an early example of reinforced concrete construction and, in its Beau Arts influenced styling, an unusually elegant example of its type.

The complex as a whole appears eligible for listing on the National Reigster of Historic Places. Its apartment building and garden components also appear individually eligible for the Register.

21. Sources (continued from page 2)

Brochures c.1926 and c.1927 for 244 Lakeside Drive
(in possession of the management)
Jones, De witt, ed. Oakland Parks and Playgrounds, 1935: 273-274
Knave, Oakland Tribune, 18 Mar. 1962
O'Brien, Robert, "Riptides: The Two Young Men From Bremen"
San Francisco Chronicle, 7 May 1947: 16
Flint, Leslie, The Heart of Oakland: A Walking Guide to Lake Merritt,
Camron Stanford House Preservation Association, c.1979: 13, 15
Architect & Engineer, Dec. 1913: 83; Nov. 1913: 83.



Concrete Garage for Mr. A. Schilling on Shore of Lake Merritt, Oakland
Blurome & Company, Builders

Garage, 244 Lakeside Dr.
1913 view
Source: Architect & Engineer

APPENDIX E

Sanborn Fire Insurance Maps

Certified Sanborn® Map Report

Sanborn® Library search results
Certification # 1B59-4FCA-BE33

19th Street Residential Tower Project
222 19th Street
Oakland, CA 94612

Inquiry Number 2085640.3S

November 27, 2007

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11/27/07

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19th Street Residential Tower
222 19th Street
Oakland, CA 94612

EDR Inquiry # 2085640.3S

Client Name:
Baseline Environmental Cons.
5900 Hollis Street
Emeryville, CA 94608

Contact: Reginald Ramirez

EDR® Environmental Data Resources Inc

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Address: 222 19th Street
City, State, Zip: Oakland, CA 94612
Cross Street:
P.O. # NA
Project: Y6253-00
Certification # 1B59-4FCA-BE33

Sanborn® Library search results
Certification # 1B59-4FCA-BE33

Maps Identified - Number of maps indicated within "( )"

1969 (1)	1957 (1)	1889 (1)
1967 (1)	1953 (1)	
1965 (1)	1952 (1)	
1964 (1)	1950 (1)	
1960 (1)	1911 (1)	
1959 (1)	1903 (1)	

Total Maps: 13

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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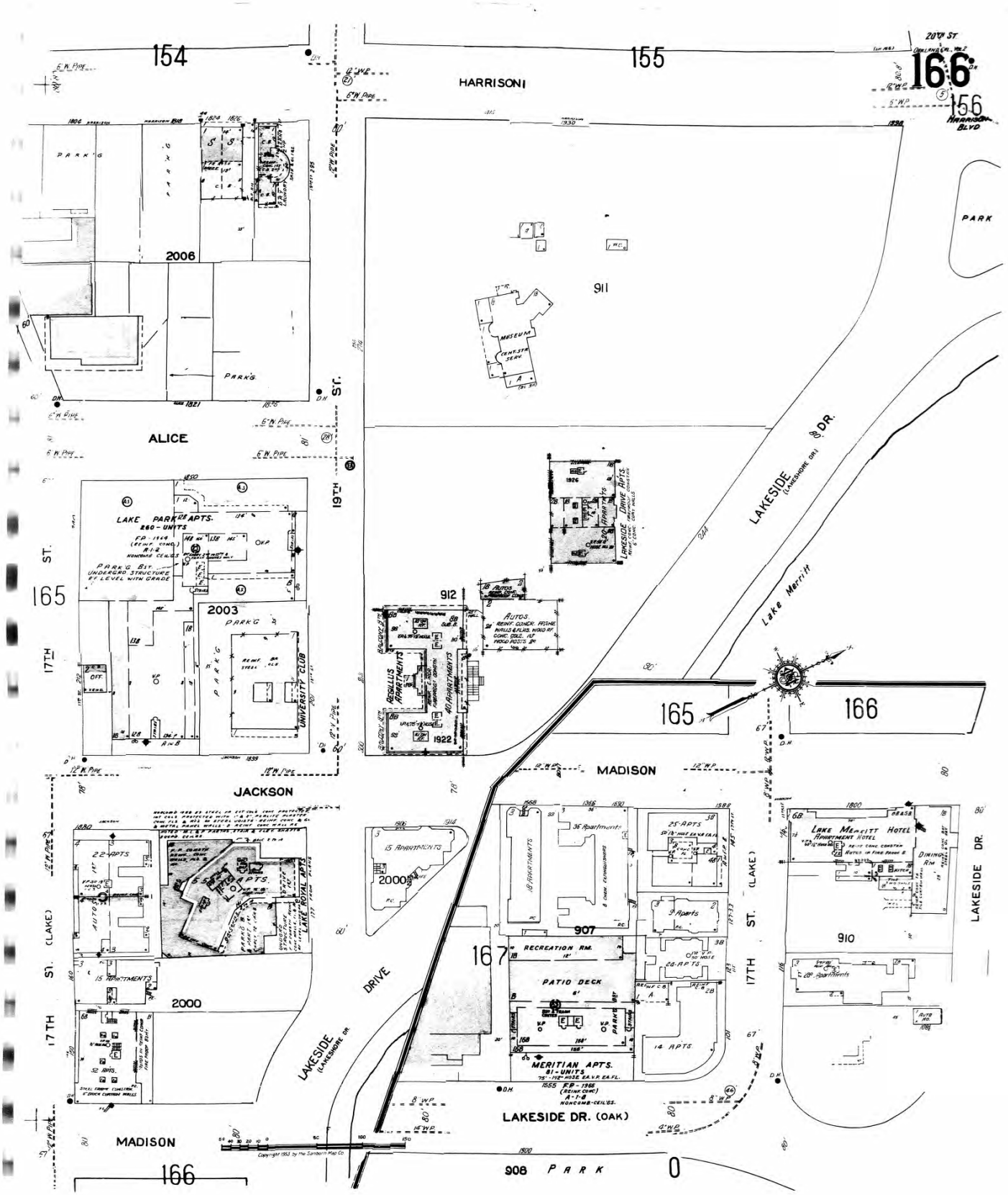
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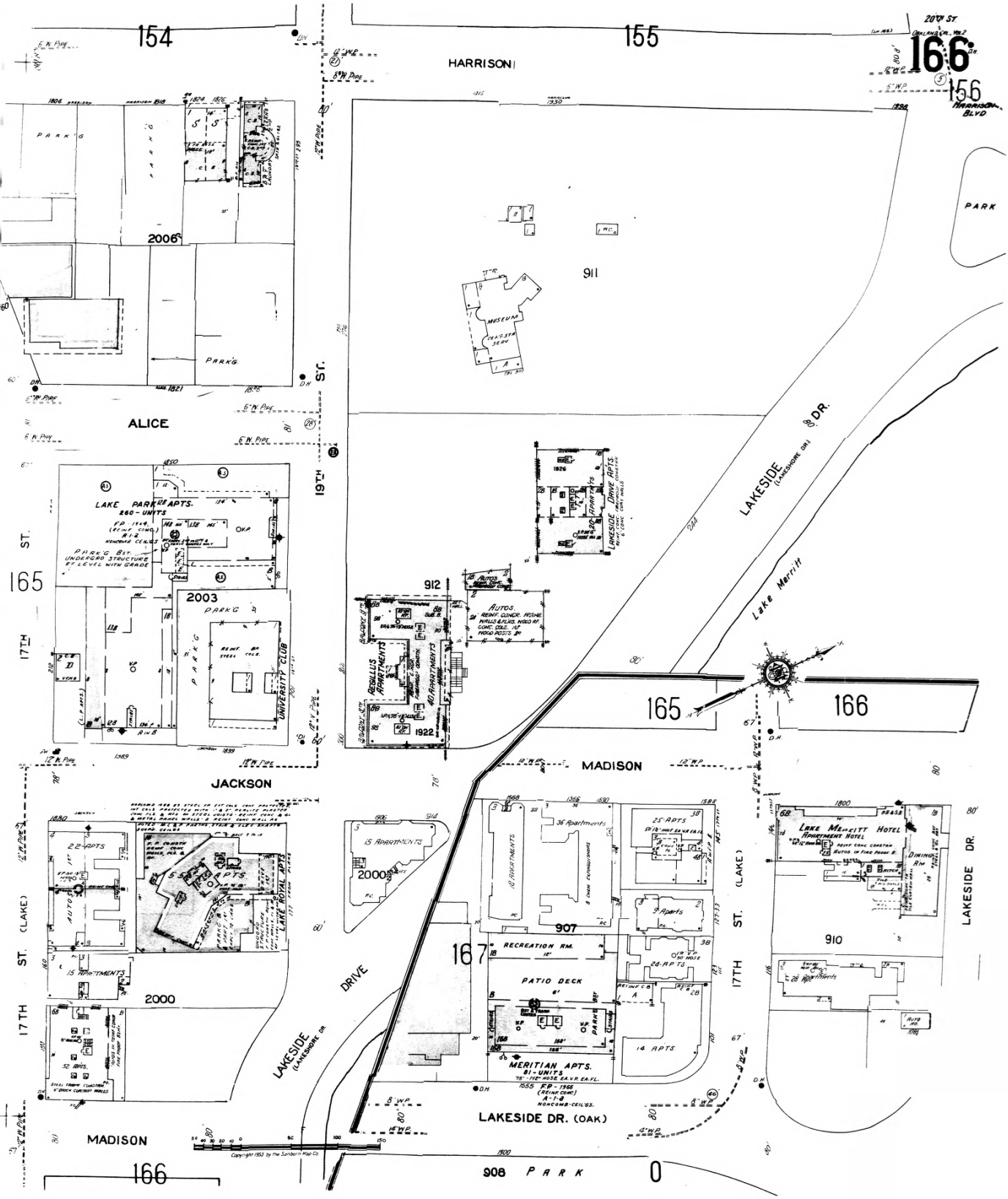


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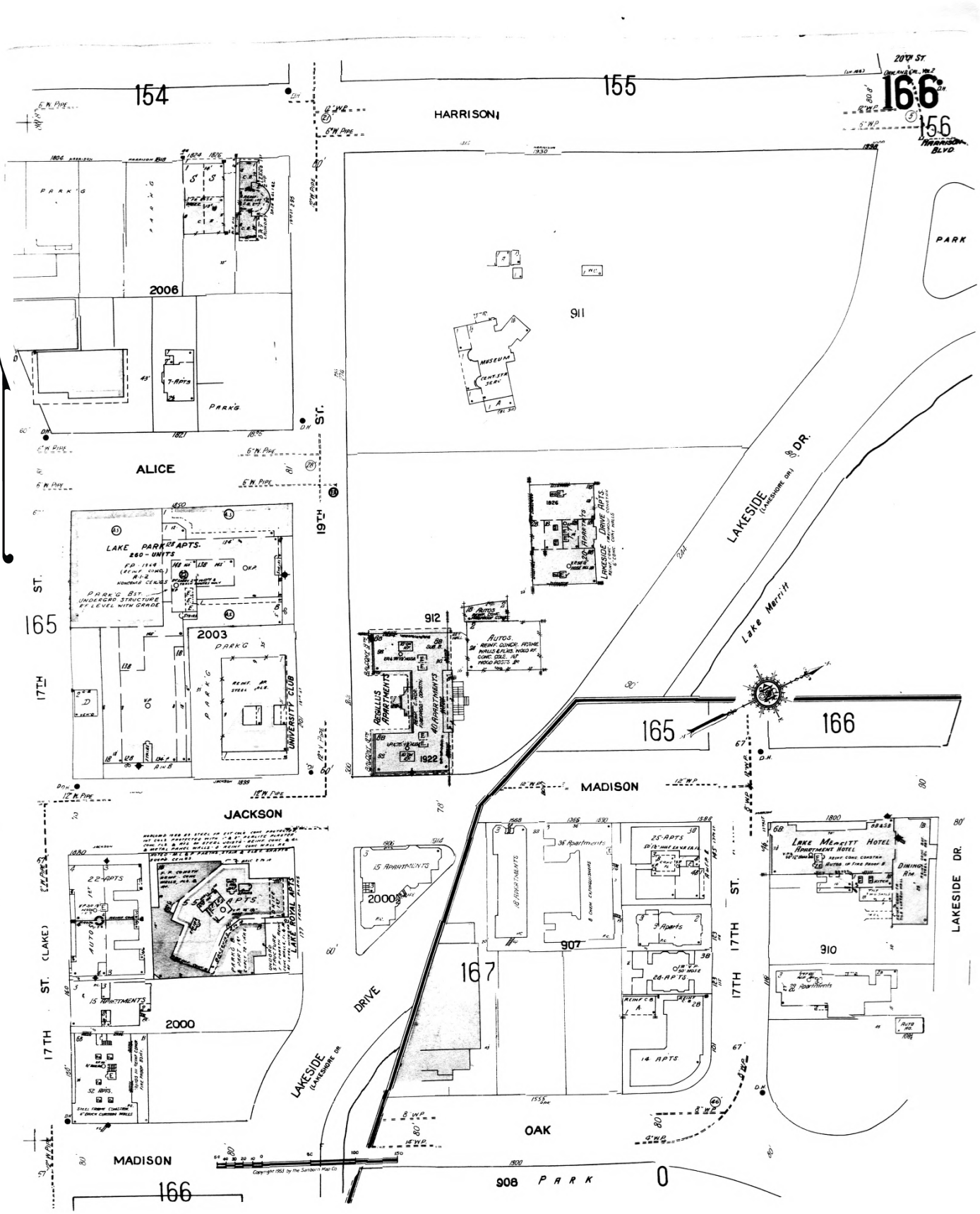


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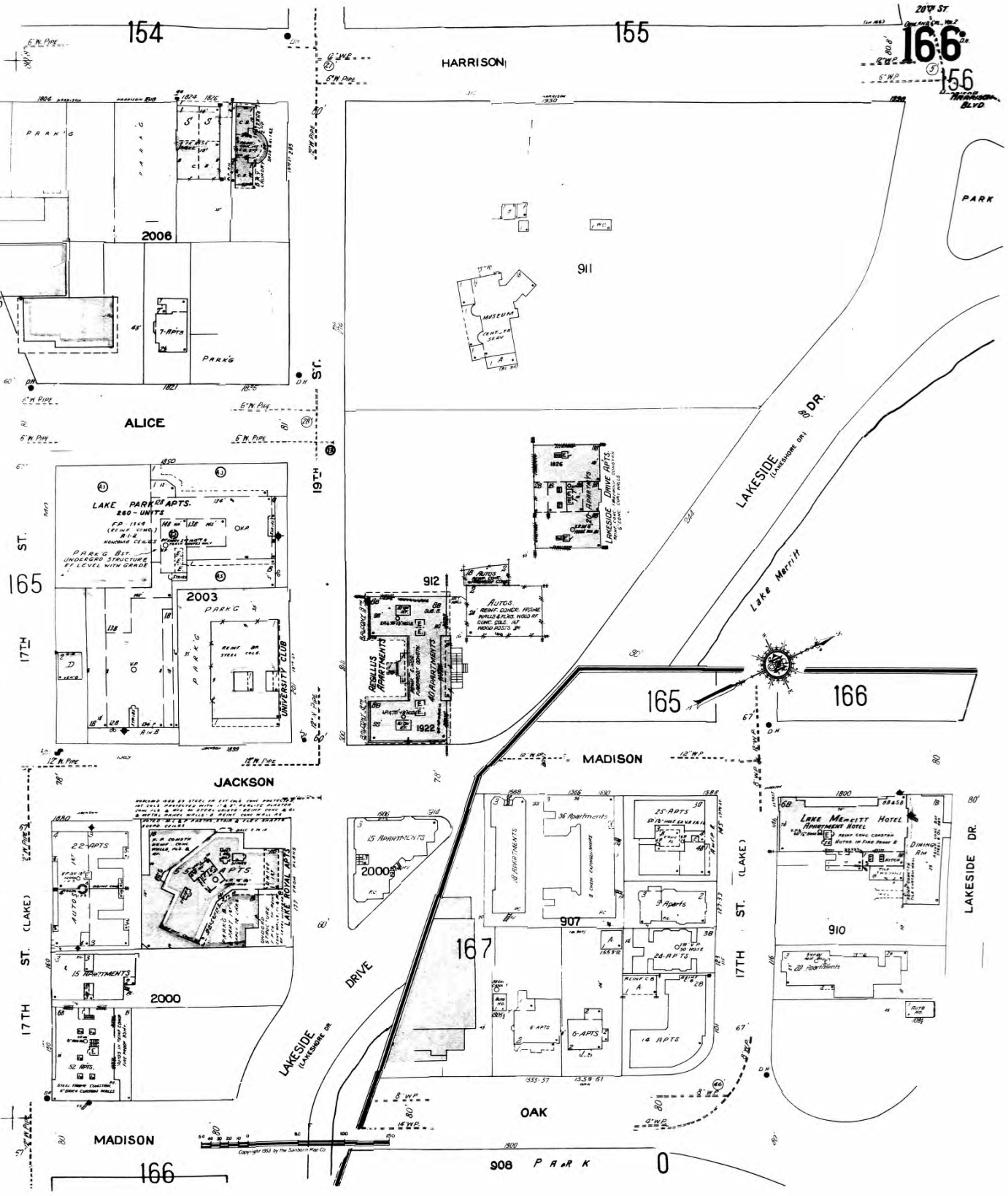


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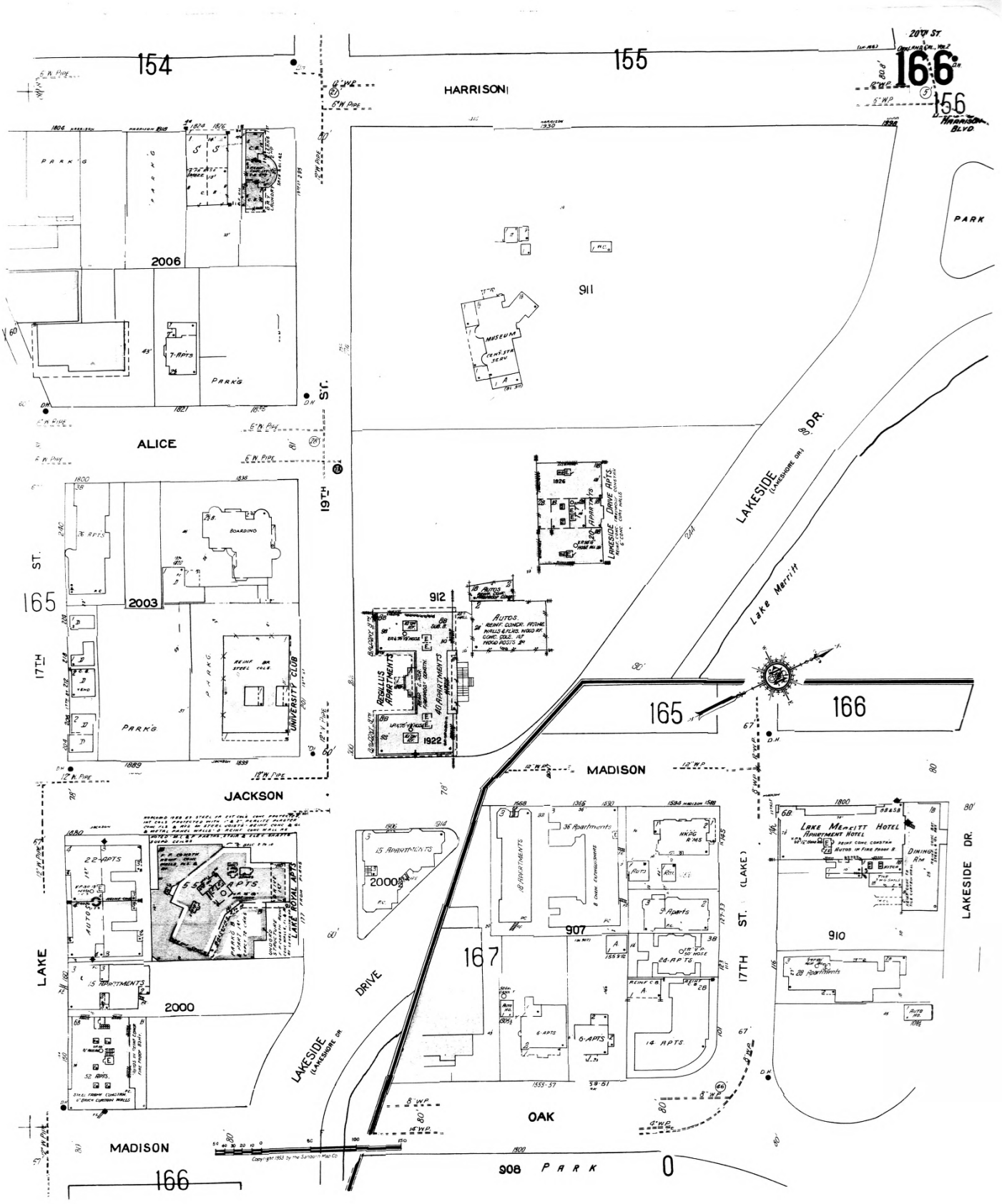
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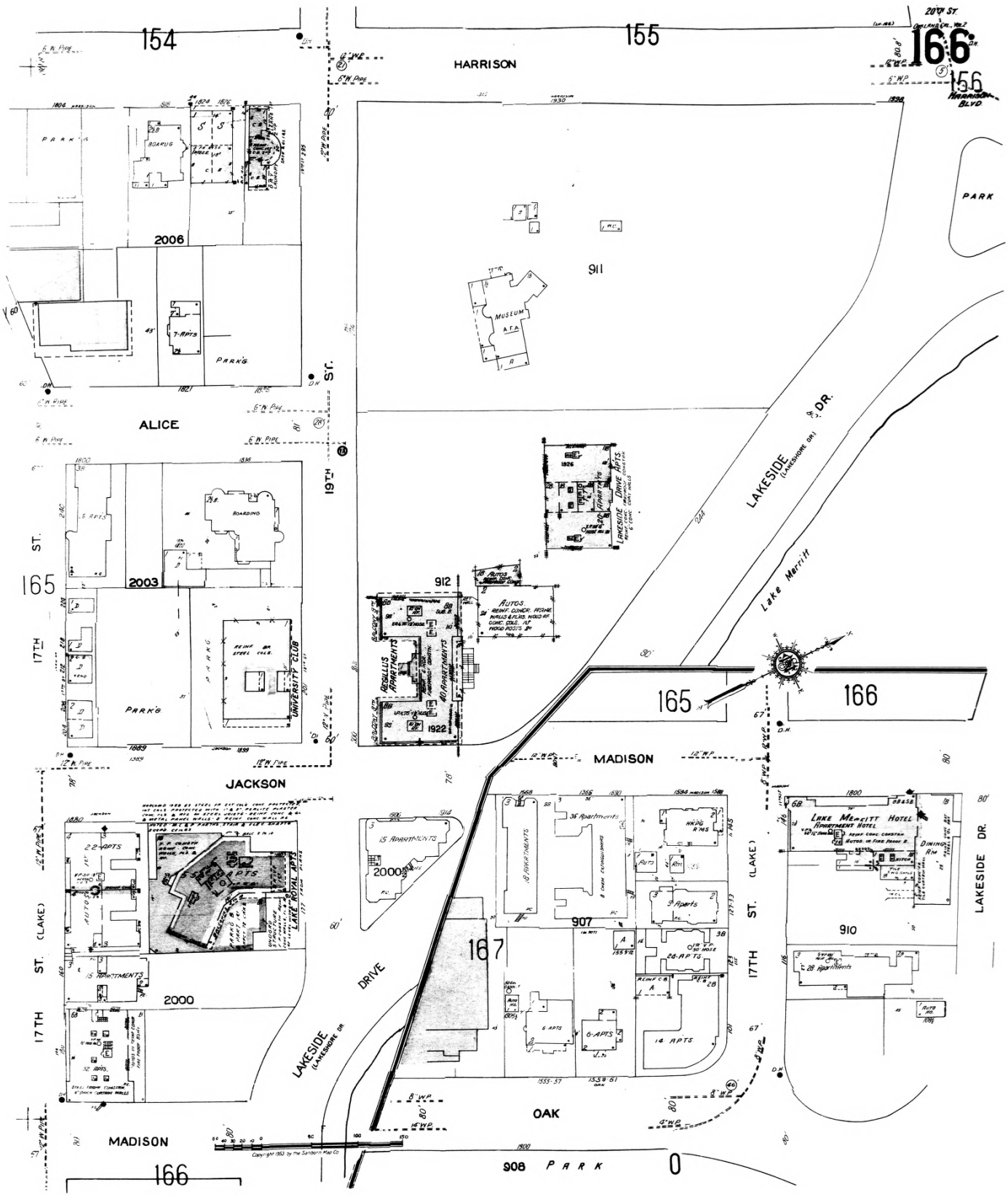


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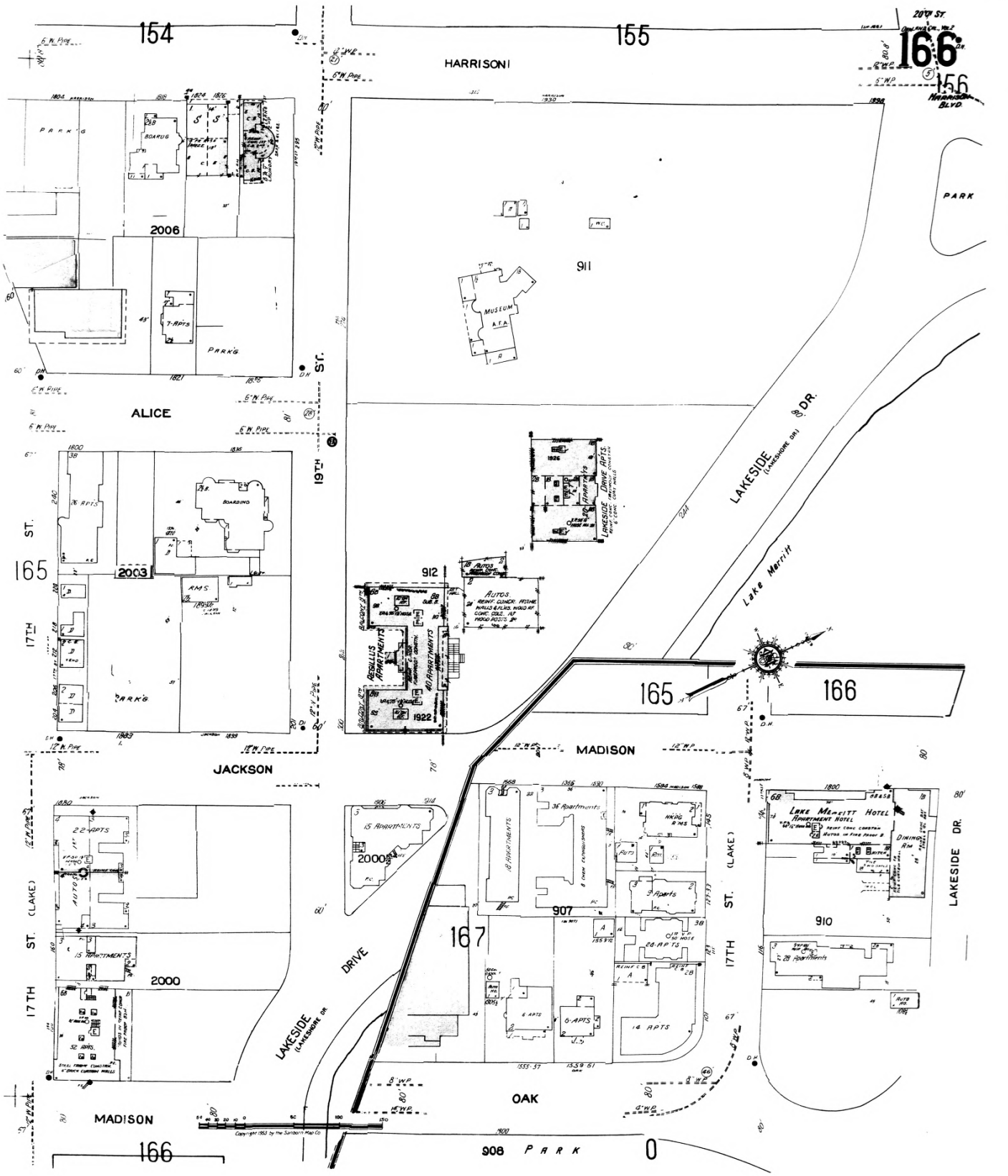
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Site Name:	19th Street Residential Tower Project
Address:	222 19th Street
City, ST, ZIP:	Oakland CA 94612
Client:	Baseline Environmental Cons.
EDR Inquiry:	2085640.3S
Order Date:	11/27/2007 2:30:57 PM
Certification #	1B59-4FCA-BE33

Copyright: 1959

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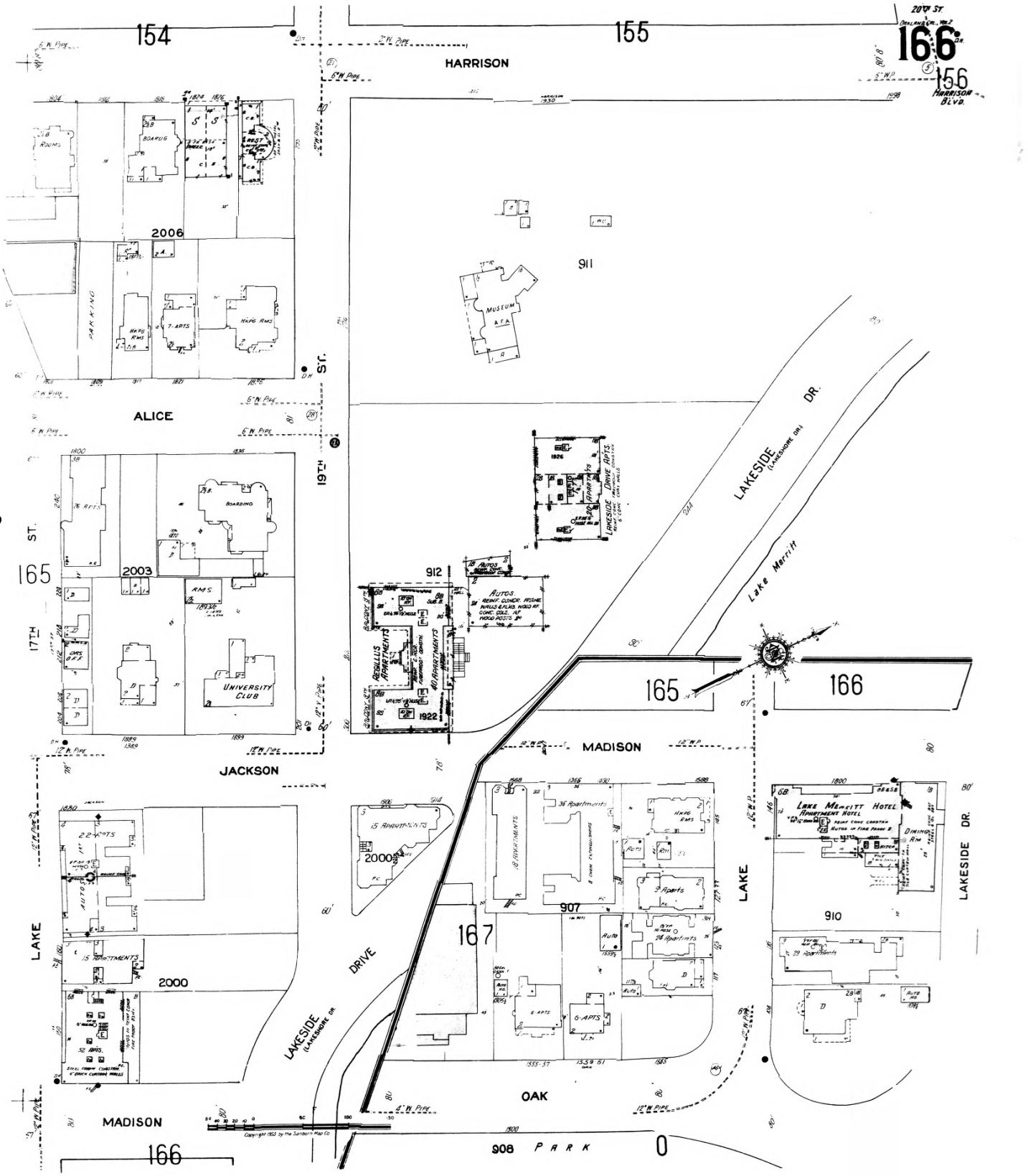


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Order Date:	11/27/2007 2:30:57 PM
Certification #	1B59-4FCA-BE33

Copyright: 1957

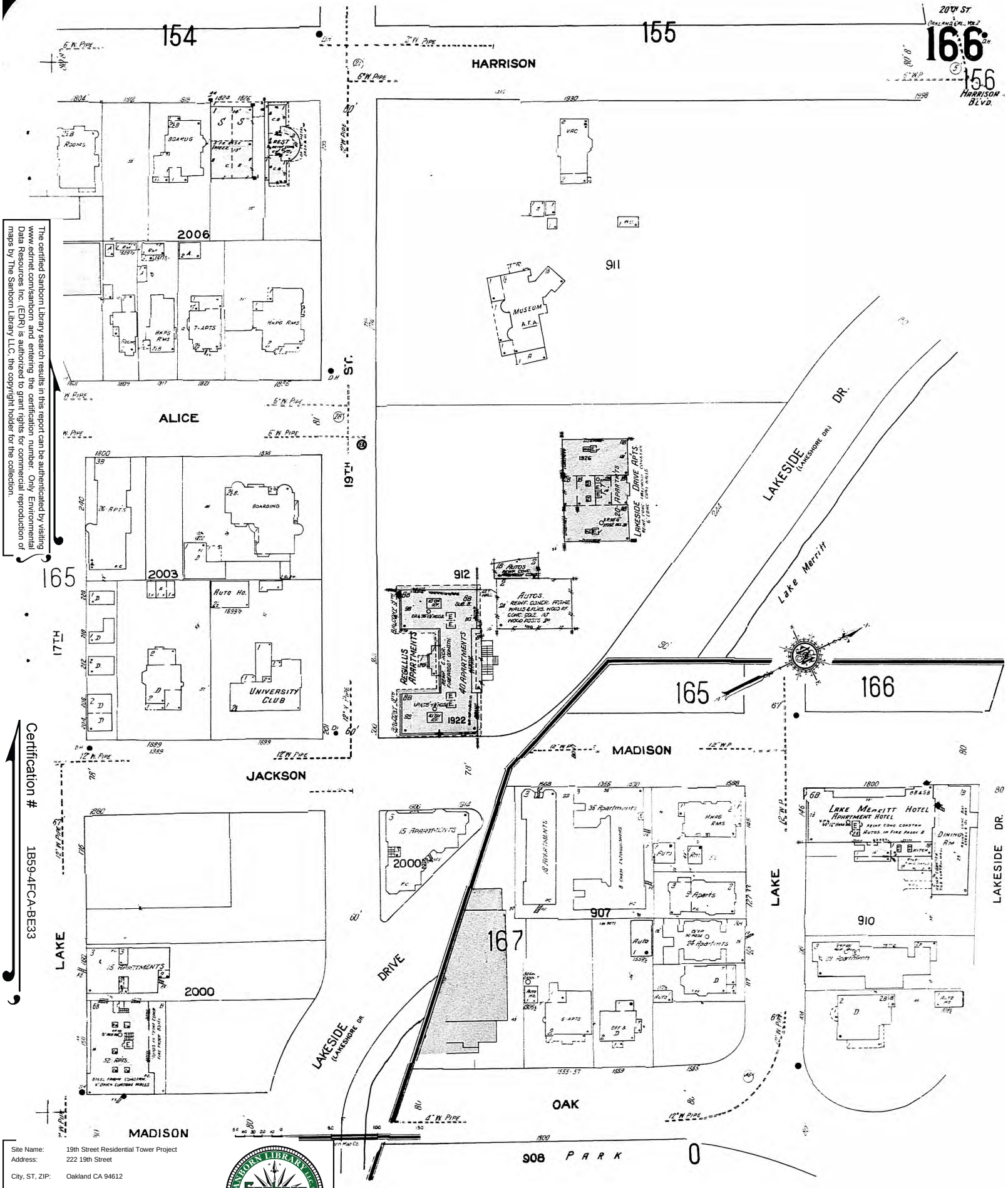


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Client:	Baseline Environmental Cons.
EDR Inquiry:	2085640.3S
Order Date:	11/27/2007 2:30:57 PM
Certification #	1B59-4FCA-BE33

Copyright: 1953

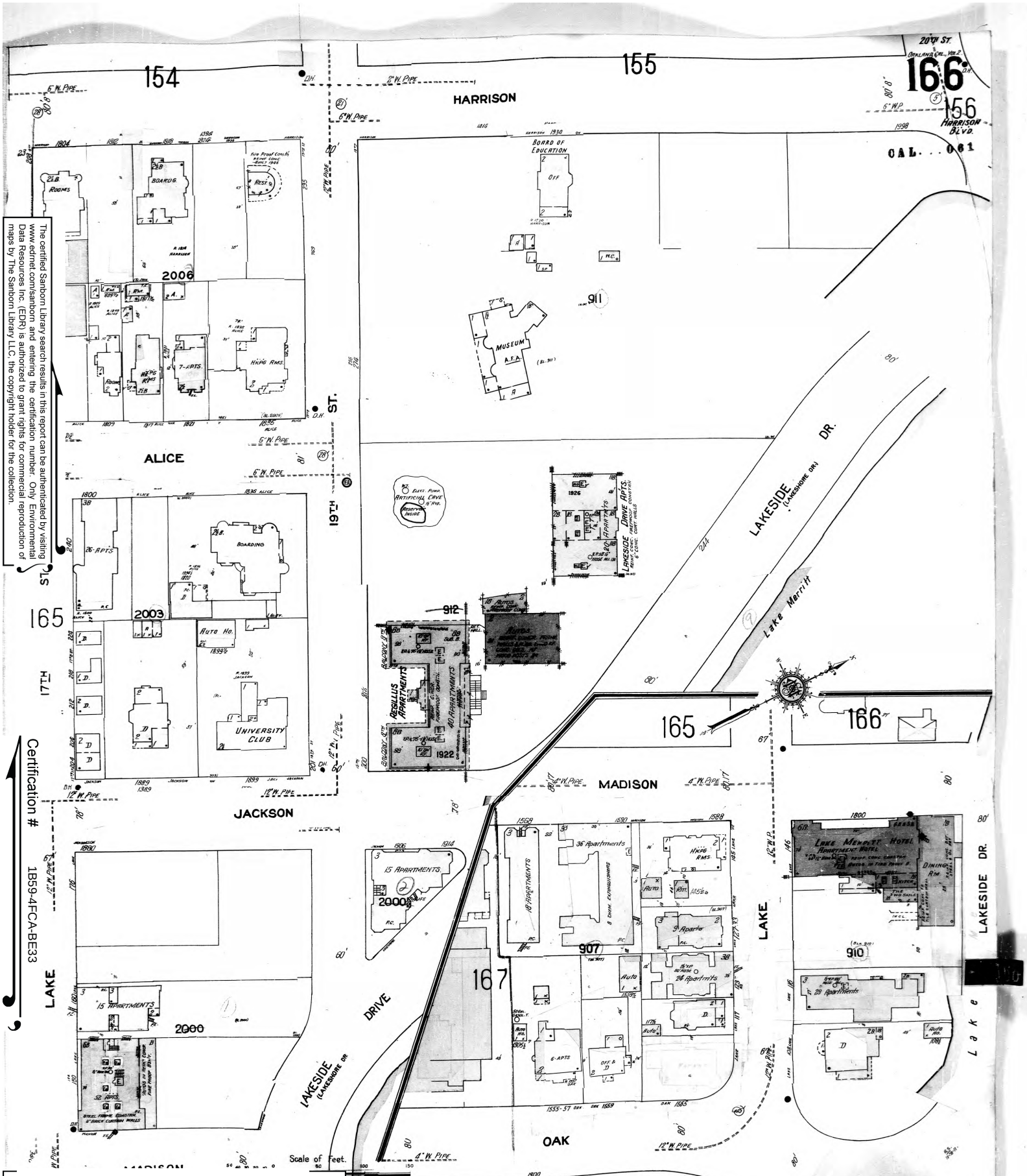


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Client:	Baseline Environmental Cons.
EDR Inquiry:	2085640.3S
Order Date:	11/27/2007 2:30:57 PM
Certification #	1B59-4FCA-BE33

Copyright: 1952



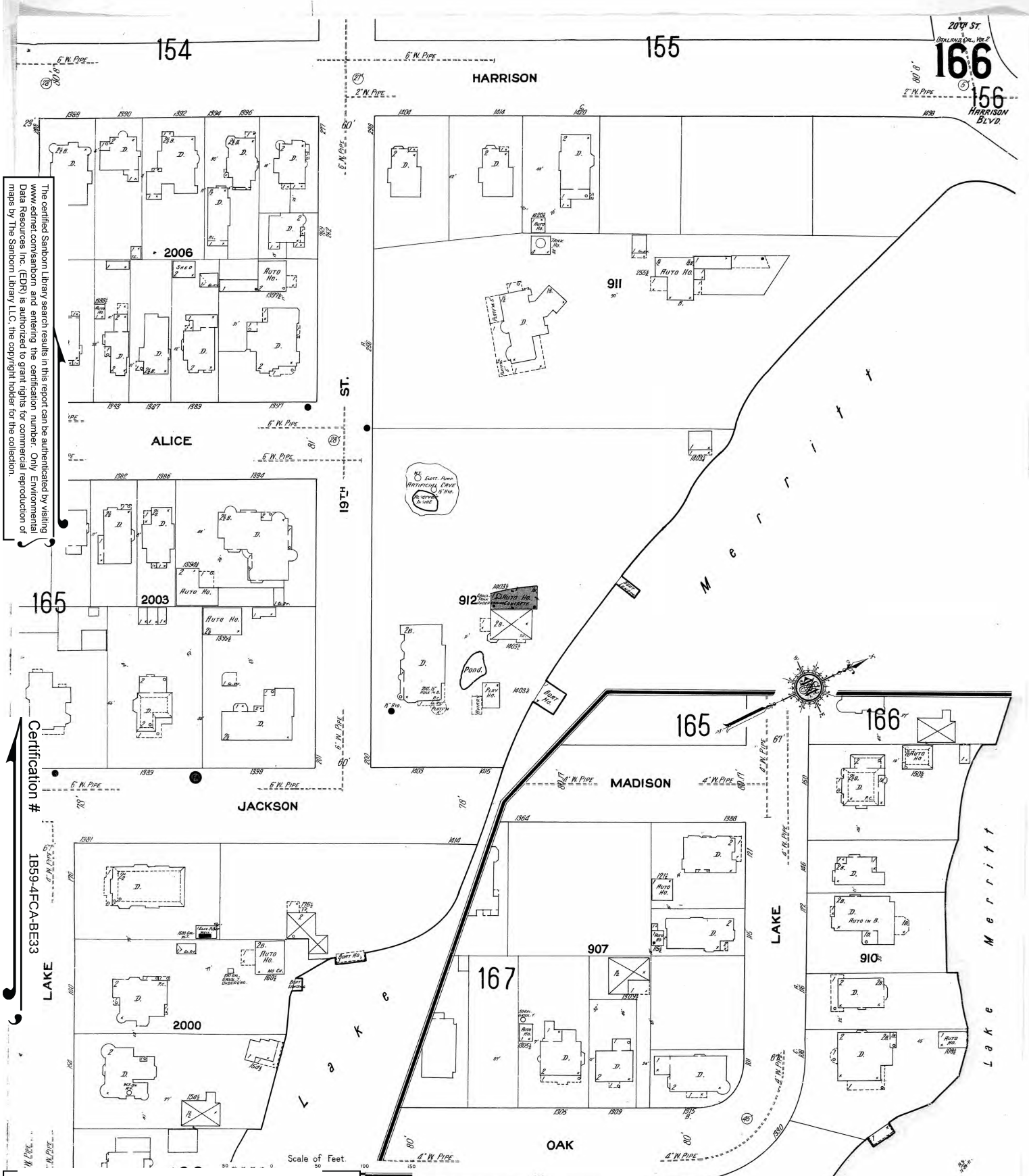
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Site Name:	19th Street Residential Tower Project
Address:	222 19th Street
City, ST, ZIP:	Oakland CA 94612
Client:	Baseline Environmental Cons.
EDR Inquiry:	2085640.3S
Order Date:	11/27/2007 2:30:57 PM
Certification #	1B59-4FCA-BE33

Copyright: 1950

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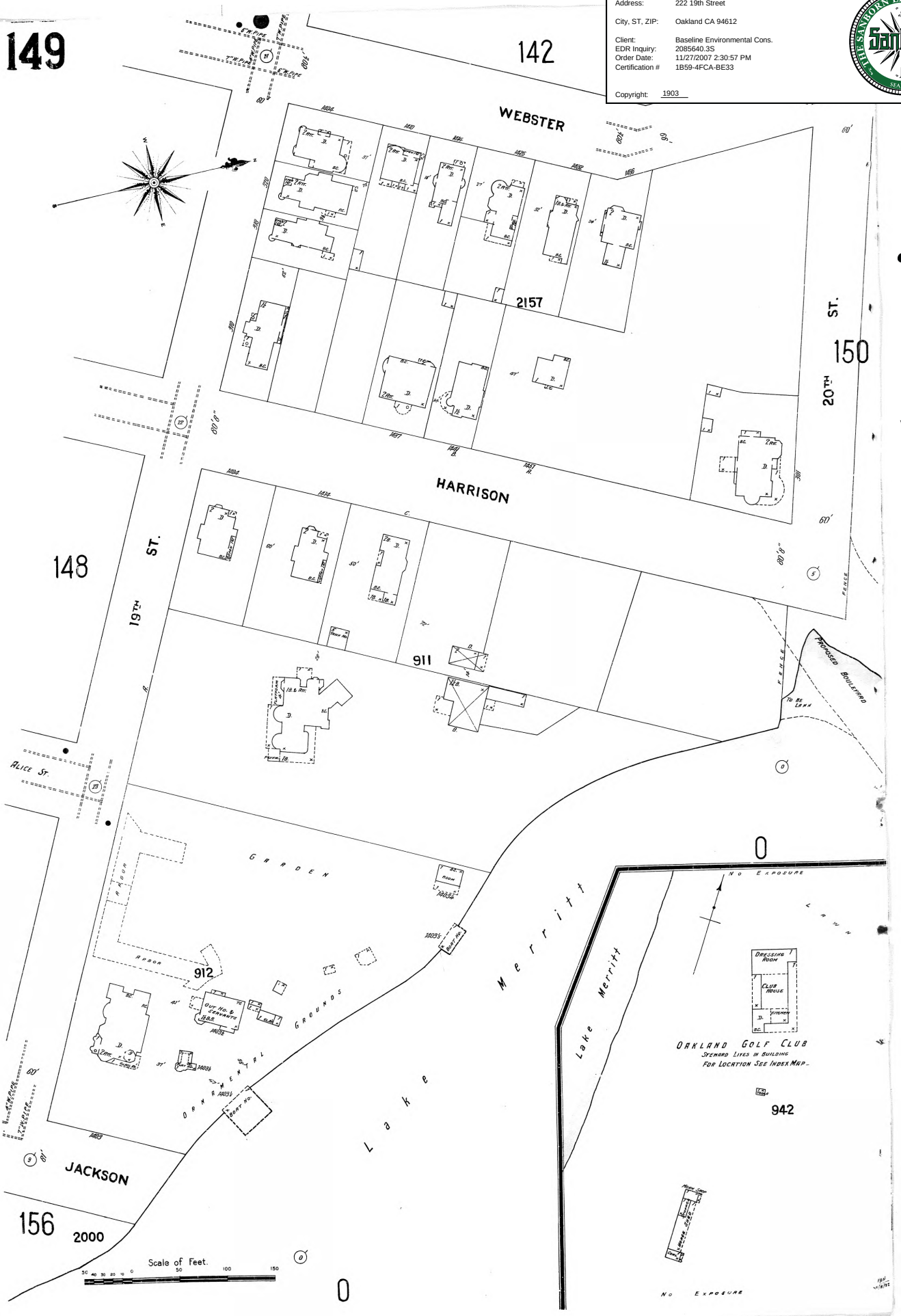
Site Name: 19th Street Residential Tower Project
Address: 222 19th Street

City, ST, ZIP: Oakland CA 94612

Client: Baseline Environmental Cons.
EDR Inquiry: 2085640.3S
Order Date: 11/27/2007 2:30:57 PM
Certification # 1B59-4FCA-BE33

Copyright: 1911

Site Name: 19th Street Residential Tower Project
Address: 222 19th Street
City, ST, ZIP: Oakland CA 94612
Client: Baseline Environmental Cons.
EDR Inquiry: 2085640.3S
Order Date: 11/27/2007 2:30:57 PM
Certification # 1B59-4FCA-BE33
Copyright: 1903



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Site Name: 19th Street Residential Tower Project
Address: 222 19th Street
City, ST, ZIP: Oakland CA 94612
Client: Baseline Environmental Cons.
EDR Inquiry: 2085640.3S
Order Date: 11/27/2007 2:30:57 PM
Certification # 1B59-4FCA-BE33
Copyright: 1889

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Certification # 1B59-4FCA-BE33

9

STREET

25G

OAKLAND

Pleasure Grounds

Convent
of Our Lady of the Sacred Heart

BUILDINGS HEATED BY STEAM - LIGHTS GAS
FIVE WATER TANKS ON ROOF.

WINDMILL & PUMP

CORRAL

HOG PEN

SHED

COAL & WOOD HO.

STEAM LAUNDRY

TANK ON TRESTLE

HEN HO.

BOARDING SCHOOL

CUPOLA

CHAPEL

SISTERS' HOUSE

Green Ho.

GLASS ROOF

Garden

YARD

GLASS RF

SHEDS

CURB

Green Ho.

FURNACE

GLASS ROOFS

Green House

TANK HO. USED FOR GAS MACHINE & GASOLINE STORAGE ONLY.

Lawn Tennis Ground

Croquet Ground

BATH HO.

BATHING TANK

BOAT HO.

Pleasure Grounds and Garden

Scale of Feet.

50 40 30 20 10 0 50 100 150

10

STREET

TWENTY-SECOND OR WALNUT

10

Lake Merritt

0

Site Name: 19th Street Residential Tower Project
Address: 222 19th Street

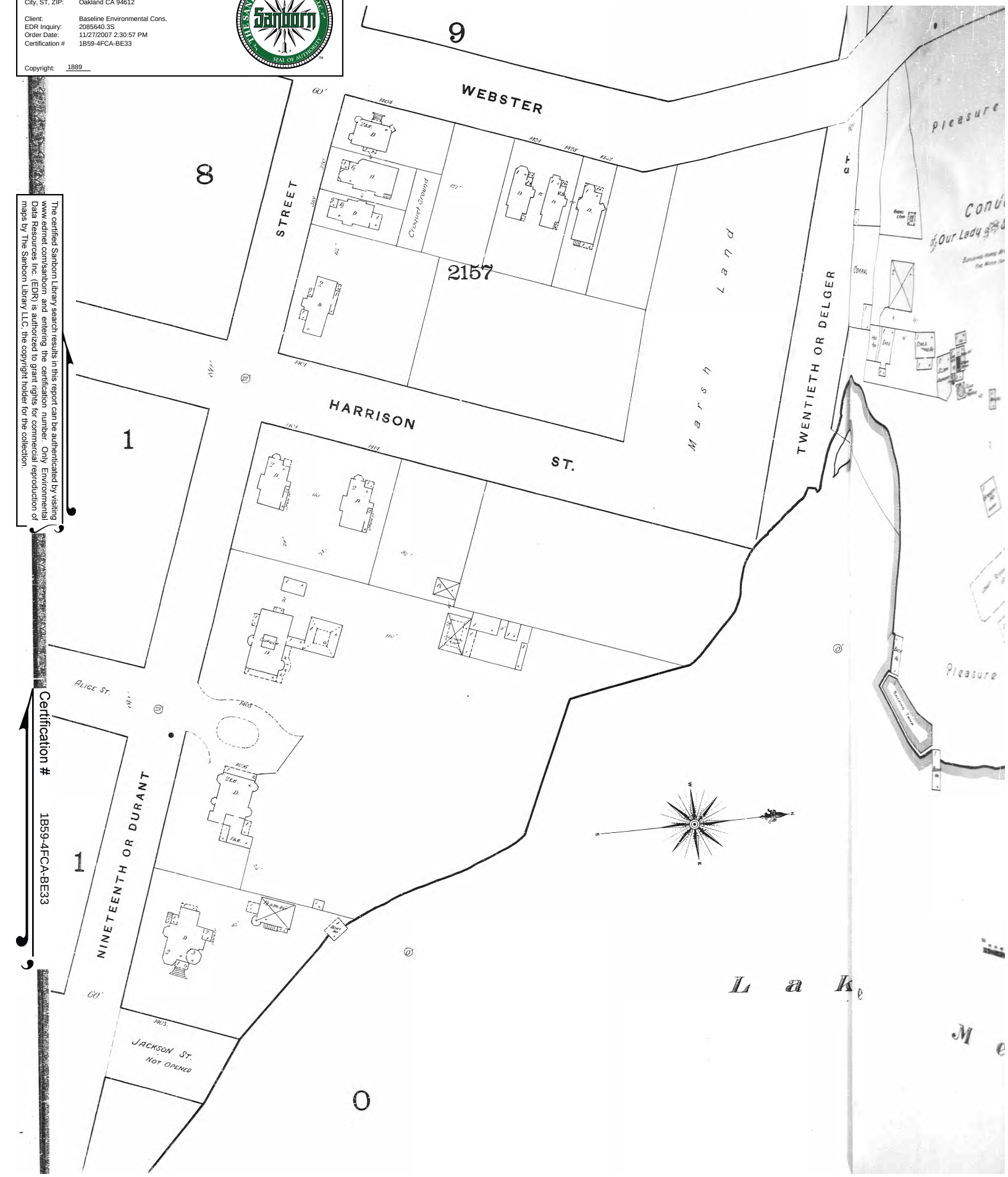
City, ST, ZIP: Oakland CA 94612

Client: Baseline Environmental Cons.
EDR Inquiry: 2085640.3S
Order Date: 11/27/2007 2:30:57 PM
Certification # 1B59-4FCA-BE33

Copyright: 1889

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Certification # 1B59-4FCA-BE33



APPENDIX F

Interview Questionnaire

INTERVIEW QUESTIONNAIRE
PHASE I ENVIRONMENTAL SITE ASSESSMENT
(EPA AAI Compatible, 11/05)

SITE NAME: 222 19th STREET, OAKLAND

SITE ADDRESS: 222 19th STREET, OAKLAND.

INTERVIEWER (DATE): 4-23-'08

INTERVIEWEE: DAVID O'KEEFFE

Site Association: N/A

Years Associated: _____

Please answer the following questions to the best of your knowledge.

Questions:

1. Was the property or adjoining property ever used for industrial purposes (e.g. manufacturing) or as a gas station, dry cleaners, waste treatment, processing facility, motor repair facility, photo lab, commercial printing facility, junkyard/disposal/recycling/ landfill? If yes, please list the activity, hazardous substances used, and approximate dates when the activity occurred. NO

Prior Land Use, Hazardous Substances Used, and Dates: N/A

LANDSCAPE GARAGES

Prior Owners and Dates: N/A

Existing or prior structures used for what purposes and duration:

N/A

Apr 23 08 02:31p Okeeffe 4156266737 p.2

2. Have you ever observed evidence of or do you have prior knowledge of any of the following items being used, stored, discarded, dumped above grade, buried, or burned onsite? Circle all that apply and indicate amount and approximate dates.

MATERIAL	QUANTITY	DATE(S) OBSERVED	COMMENTS
Above ground storage tank (AST)*	NO		Size: Contents: Condition:
Automotive batteries	NO		
Industrial batteries	NO		
Pesticides (>5 gallon)	NO		
Paints (> 5 gallon)	NO		
Chemicals/Hazardous Substances (> 5 gallon liquid)	NO		
Chemicals/Hazardous Substances (dry sacks, containers, etc.)	NO		
Industrial drums (typically 55 gallons)	NO		Contents: Condition:
Transformer or other equipment that may contain PCBs (e.g. hydraulic equipment)*	NO		Installation date:
Underground storage tank*	NO		Size: Contents: Condition:
Unknown materials you suspect may be hazardous substances	NO		Describe:

Apr 23 08 02:31p Okeeffe 4156266737 p.3

*Please provide records if available.

3. What method(s) is used to contain spills of hazardous waste? N/A

4. What method(s) is used to dispose of hazardous waste? N/A

5. Are there any permits for handling, use, storage, or disposal of hazardous waste? N/A

6. Have you observed evidence of or have prior knowledge of the following onsite?

MATERIAL	QUANTITY	DATE(S) OBSERVED	COMMENTS
Equipment Maintenance Areas	NO		
Accidental spills or releases of chemicals or petroleum products	NO		
Possible asbestos containing materials (e.g. pipe, building, etc.)	NO		Describe material:
Fill dirt originating from an unknown or contaminated site?	NO		Source:
Pits, ponds, or lagoons associated with waste treatment or waste disposal?	NO		Location:
Stained soil or odiferous soil? (e.g. oily black)	NO		Location:
Sumps or dry wells*	NO		Size : Contents : Condition :
Vent pipes, fill pipes, access ways to a fill	NO		Location:

Apr 23 08 02:32p Okeeffe 4156266737 p.4

pipe protruding from the ground or adjacent to a structure onsite?	NO		
Heating and cooling systems (include fuel source)	NO		Source:
Flooring, drains, walls that are stained or emitting a foul odor (do NOT include water damage)?	NO		Location:

*Please provide records if available.

7. Is the property served by a private well or non-public water system? If so, please answer the following: PRIVATE WELL

Was the well used for domestic (D), agricultural irrigation (I), or monitoring (M) purposes? Are the wells currently operational and if not, when were they last used? When was the well drilled? How deep is the well? What is the approximate discharge rate? DON'T KNOW HISTORY OF WELL. STILL DO USE FOR IRRIGATION PURPOSES

Well No.	Type	Operating?	Last Used	Date Drilled	Depth	Discharge Rate
1-						
2-						

a. Have the wells been sampled for contaminants that exceed applicable requirements for the designated use (e.g. Drinking Water Standards)? If so, please provide the dates and copies of well records. NO.

b. Has the well or water system been designated by any governmental environmental/health agency as contaminated? NO

8. Is there an oil/gas well or oil/gas vent located onsite? If so, please indicate the location. Please supply any documents available. NO.

Apr 23 08 02:32p Okeeffe 4156266737 p.5

9. Is the property or has the property to your knowledge been previously served by a septic system? If so, please indicate the location of the tank and leach lines (if applicable) and list any hazardous materials disposed.

NO

10. Does the property discharge waste water onto or adjacent to the property and into a storm water sewer system or a sanitary sewer system? If so, please describe location, piping flow, quantity discharged, and water quality. NO.

11. Do you have knowledge of the following with respect to the property? Circle and explain all that apply.

a. Environmental clean-up, ongoing or pending.

b. Environmental liens

c. Governmental notifications relating to past or recurrent violations of environmental laws.

d. Past, threatened, pending lawsuits or administrative proceedings in relation to a release of a hazardous substance or petroleum product.

e. Prior environmental assessment that indicated the presence of hazardous substances, petroleum hydrocarbons, contaminants, or recommended further assessment.

f. Deed Restrictions

g. Citizen complaints regarding activities onsite

12. Is the offered sale price of the property lower than the appraised value? Can you estimate the percent difference? Do you attribute this difference to environmental degradation of the property? NO

Apr 23 08 02:32p Okeeffe 4156266737 p.6

AGRICULTURAL SITES:

13. What crops have been grown onsite, currently and in the past? N/A

CROP	DATE	LOCATION

14. Have pesticides been applied to fields or other portions of the site? If so, please answer the following questions: N/A

a. List the names of pesticides (includes herbicides, fungicides, insecticides, rodenticide) used and dates applied. N/A.

PESTICIDE AND BRAND NAME	DATE	CROP OR ANIMAL USE

b. Have you been notified of any violation of environmental law with respect to application or storage of pesticides? No

c. Location of pesticide mixing areas, if any (past or present)? N/A

d. Method of pesticide application? N/A.

15. Have fertilizers been applied to the site? What type and method of application? N/A

16. Are there any buried pipelines for irrigation or other purposes onsite? If so, what materials is the piping constructed of? Asbestos containing material, PVC, other? Describe the location of buried piping. P.V.C AND OR CAST IRON.

Apr 23 08 02:32p Okeeffe 4156266737 p.7

APPENDIX G

Regulatory Database Report



The EDR Radius Map
with GeoCheck®

19th Street Residential Condominium
222 19th Street
Oakland, CA 94612

Inquiry Number: 2192354.1s

April 11, 2008

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	230
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-6
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-10
Physical Setting Source Records Searched	A-21

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

222 19TH STREET
OAKLAND, CA 94612

COORDINATES

Latitude (North):	37.805930 - 37° 48' 21.3''
Longitude (West):	122.263730 - 122° 15' 49.4''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	564814.6
UTM Y (Meters):	4184333.0
Elevation:	26 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37122-G3 OAKLAND WEST, CA
Most Recent Revision:	1980
East Map:	37122-G2 OAKLAND EAST, CA
Most Recent Revision:	1980

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL National Priority List
Proposed NPL Proposed National Priority List Sites
Delisted NPL National Priority List Deletions
NPL LIENS Federal Superfund Liens
CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP CERCLIS No Further Remedial Action Planned
LIENS 2 CERCLA Lien Information

EXECUTIVE SUMMARY

RCRA-TSDF RCRA - Transporters, Storage and Disposal
RCRA-CESQG RCRA - Conditionally Exempt Small Quantity Generator
RCRA-NonGen RCRA - Non Generators
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls
ERNS Emergency Response Notification System
HMIRS Hazardous Materials Information Reporting System
DOT OPS Incident and Accident Data
US CDL Clandestine Drug Labs
DOD Department of Defense Sites
LUCIS Land Use Control Information System
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
ODI Open Dump Inventory
DEBRIS REGION 9 Torres Martinez Reservation Illegal Dump Site Locations
MINES Mines Master Index File
TRIS Toxic Chemical Release Inventory System
TSCA Toxic Substances Control Act
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
SSTS Section 7 Tracking Systems
ICIS Integrated Compliance Information System
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
RADINFO Radiation Information Database
FINDS Facility Index System/Facility Registry System
RAATS RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

CA BOND EXP. PLAN Bond Expenditure Plan
SCH School Property Evaluation Program
Toxic Pits Toxic Pits Cleanup Act Sites
CA WDS Waste Discharge System
SWRCY Recycler Database
LIENS Environmental Liens Listing
AST Aboveground Petroleum Storage Tank Facilities
CHMIRS California Hazardous Material Incident Report System
DEED Deed Restriction Listing
VCP Voluntary Cleanup Program Properties
DRYCLEANERS Cleaner Facilities
WIP Well Investigation Program Case List
CDL Clandestine Drug Labs
HAZNET Facility and Manifest Data
AIRS Emissions Inventory Data
HAULERS Registered Waste Tire Haulers Listing

TRIBAL RECORDS

INDIAN RESERV Indian Reservations
INDIAN ODI Report on the Status of Open Dumps on Indian Lands
INDIAN LUST Leaking Underground Storage Tanks on Indian Land
INDIAN UST Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/12/2007 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FRANCIS PLATING OF OAKLAND INC	***785 7TH ST***	***1/2 - 1 WSW***	***AG146***	***207***

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/11/2007 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
Not reported	***300 LAKESIDE DR***	***0 - 1/8 NNE***	***A2***	***6***

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/11/2007 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
LONGS DRUG STORE NO 386	***344 20TH ST***	***1/8 - 1/4 NW***	***22***	***35***
KAISER FNDN HLTH PLAN OFC BLDG	***1950 FRANKLIN ST***	***1/8 - 1/4 NW***	***E25***	***39***

US BROWNFIELDS: The EPA's listing of Brownfields properites addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

A review of the US BROWNFIELDS list, as provided by EDR, and dated 01/03/2008 has revealed that there are 39 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
521 19TH STREET	521 19TH STREET	1/4 - 1/2 WNW	66	96
540 18TH STREET	540 18TH STREET	1/4 - 1/2 WNW	T85	125
550 18TH STREET	550 18TH STREET	1/4 - 1/2 WNW	T104	142
592 WILLIAM STREET	592 WILLIAM STREET	1/4 - 1/2 WNW	W108	145
563 19TH STREET	563 19TH STREET	1/4 - 1/2 WNW	Z110	150
596 WILLIAM STREET	596 WILLIAM STREET	1/4 - 1/2 WNW	W111	151
602 WILLIAM STREET	602 WILLIAM STREET	1/4 - 1/2 WNW	AB115	155
608 WILLIAM STREET	608 WILLIAM STREET	1/4 - 1/2 WNW	AB116	156
571 19TH STREET	571 19TH STREET	1/4 - 1/2 WNW	Z118	163
610 WILLIAM STREET	610 WILLIAM STREET	1/4 - 1/2 WNW	AB119	164
1800 SAN PABLO AVENUE	1800 SAN PABLO AVENUE	1/4 - 1/2 WNW	AE126	179
568 18TH STREET	568 18TH STREET	1/4 - 1/2 WNW	AE127	180
FOX COURTS SITE	SAN PABLO AVENUE & 18TH	1/4 - 1/2 WNW	AE128	180
1810 SAN PABLO AVENUE	1810 SAN PABLO AVENUE	1/4 - 1/2 WNW	AE129	189
1818 SAN PABLO AVENUE	1818 SAN PABLO AVENUE	1/4 - 1/2 WNW	AE132	192

Lower Elevation	Address	Dist / Dir	Map ID	Page
1901 TELEGRAPH AVENUE	1901 TELEGRAPH AVENUE	1/4 - 1/2 WNW	N61	92
1911 TELEGRAPH AVENUE	1911 TELEGRAPH AVENUE	1/4 - 1/2 WNW	N64	95
1975 TELEGRAPH AVENUE	1975 TELEGRAPH AVENUE	1/4 - 1/2 NW	O67	97
538 WILLIAM STREET PARCEL 005	538 WILLIAM STREET	1/4 - 1/2 WNW	S76	116
538 WILLIAM STREET PARCEL 006	538 WILLIAM STREET	1/4 - 1/2 WNW	S77	117
538 WILLIAM STREET PARCEL 003	538 WILLIAM STREET	1/4 - 1/2 WNW	S78	118
538 WILIAM STREET PARCEL 4	538 WILIAM STREET	1/4 - 1/2 WNW	S79	119
544 WILLIAM STREET	544 WILLIAM STREET	1/4 - 1/2 WNW	S81	121
550 WILLIAM STREET	550 WILLIAM STREET	1/4 - 1/2 WNW	S82	122
562 WILLIAM STREET PARCEL 009	562 WILLIAM STREET	1/4 - 1/2 WNW	S86	126
562 WILLIAM STREET PARCEL 010	562 WILLIAM STREET	1/4 - 1/2 WNW	S87	127
529 20TH STREET PARCEL 039	529 20TH STREET	1/4 - 1/2 NW	U89	132
529 20TH STREET PARCEL 044	529 20TH STREET	1/4 - 1/2 NW	U90	133
529 20TH STREET PARCEL 042	529 20TH STREET	1/4 - 1/2 NW	U91	133
529 20TH STREET PARCEL 041	529 20TH STREET	1/4 - 1/2 NW	U92	134
529 20TH STREET PARCEL 043	529 20TH STREET	1/4 - 1/2 NW	U93	135
529 20TH STREET PARCEL 040	529 20TH STREET	1/4 - 1/2 NW	U94	136
566 WILLIAM STREET	566 WILLIAM STREET	1/4 - 1/2 WNW	S95	136

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
570 WILLIAM STREET	570 WILLIAM STREET	1/4 - 1/2 WNW	W98	139
574 WILLIAM STREET	574 WILLIAM STREET	1/4 - 1/2 WNW	W103	141
584 WILLIAM STREET	584 WILLIAM STREET	1/4 - 1/2 WNW	W106	144
588 WILLIAM STREET	588 WILLIAM STREET	1/4 - 1/2 WNW	W107	144
565 20TH STREET	565 20TH STREET	1/4 - 1/2 WNW	AD125	178
571 20TH STREET	571 20TH STREET	1/4 - 1/2 WNW	AD133	193

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2006 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
OAKLAND AREA HOSPITAL SITE		1/4 - 1/2 SSW	44	70

STATE AND LOCAL RECORDS

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
HARRIS DRY CLEANERS	***2801 MARTIN LUTHER KING***	***1/2 - 1 NNW***	***150***	***217***

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, and dated 12/12/2007 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
NORTH PORT OF OAKLAND REFUSE D	SE CORNER DOOLITTLE RD	1/4 - 1/2 SSW	84	124

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WAIVER, COMPOST FACILITIES		***1/4 - 1/2 NNW***	***M59***	***89***

EXECUTIVE SUMMARY

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 45 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
LAKEHURST HOTEL	***1569 JACKSON ST***	***1/8 - 1/4 S***	***10***	***20***
PG&E REGIONAL HEADQUARTERS	***1919 WEBSTER ST***	***1/8 - 1/4 WNW***	***C11***	***22***
CHEVRON	***1633 HARRISON ST***	***1/8 - 1/4 WSW***	***13***	***23***
DOUGLAS PARKING COMPANY	***1721 WEBSTER ST***	***1/8 - 1/4 W***	***D21***	***32***
TOOTHMAN DEVELOPMENT	***1736 FRANKLIN ST***	***1/4 - 1/2 W***	***28***	***41***
YWCA OF OAKLAND	***1515 WEBSTER ST***	***1/4 - 1/2 WSW***	***29***	***42***
PACIFIC BELL	***1587 FRANKLIN ST***	***1/4 - 1/2 W***	***32***	***49***
A BACHARACH TR & B BORSUK	***1432 HARRISON ST***	***1/4 - 1/2 SW***	***G33***	***52***
QUALITY TUNE UP	***246 14TH ST***	***1/4 - 1/2 SSW***	***H34***	***56***
TIME OIL COMPANY	255 14TH	1/4 - 1/2 SSW	H35	57
KRISTICH MONTEREY PIPE CO	***190 14TH***	***1/4 - 1/2 SSW***	***36***	***58***
GERMAN AUTOCRAFT	301 14TH	1/4 - 1/2 SW	G39	62
CHEVRON	301 14TH ST E	1/4 - 1/2 SW	G40	62
MOBIL	***160 14TH ST***	***1/4 - 1/2 S***	***I42***	***64***
PACIFIC BELL	***1519 FRANKLIN STREET***	***1/4 - 1/2 W***	***43***	***64***
ALCOPARK GARAGE	***165 13TH ST***	***1/4 - 1/2 S***	***K48***	***71***
FINANCIAL CENTER BUILDING	***405 14TH ST***	***1/4 - 1/2 WSW***	***56***	***85***
FIRE ALARM STATION	***1310 OAK ST***	***1/4 - 1/2 S***	***58***	***87***
ALLRIGHT PARKING LOT	***1225 WEBSTER ST***	***1/4 - 1/2 SW***	***70***	***100***
WESTERN UNION	***125 12TH ST***	***1/4 - 1/2 S***	***73***	***107***
ZIMMERMAN INVESTMENTS	***420 13TH ST***	***1/4 - 1/2 WSW***	***Q74***	***111***
TUNE UP MASTERS #325	***450 14TH ST E***	***1/4 - 1/2 WSW***	***80***	***119***
ZIMMERMAN INVESTMENTS	***1330 BROADWAY***	***1/4 - 1/2 WSW***	***88***	***127***
LEE FAMILY ASSOCIATES	***387 12TH ST E***	***1/4 - 1/2 WSW***	***V97***	***138***
DEVI OIL COMPANY	***350 GRAND AVE***	***1/4 - 1/2 ENE***	***109***	***146***
NEGHERBON AUTO CENTER	***2345 BROADWAY***	***1/4 - 1/2 NNW***	***124***	***172***
OFFICE OF THE PRESIDENT U	***1111 FRANKLIN***	***1/4 - 1/2 SW***	***AC130***	***189***
OAKLAND CITY HALL	***#1 CITY HALL PLAZA***	***1/4 - 1/2 W***	***134***	***193***

Lower Elevation	Address	Dist / Dir	Map ID	Page
REGILLUS CONDOMINIUMS	***200 LAKESIDE DR***	***0 - 1/8 E***	***1***	***6***
KAISER CENTER	***300 LAKESIDE DR***	***0 - 1/8 NNE***	***A3***	***8***
LAKE POINT TOWERS LIMITED	***101 LAKESIDE DR***	***1/8 - 1/4 SE***	***16***	***27***
MOBIL	***1975 WEBSTER ST***	***1/8 - 1/4 NW***	***17***	***28***
KAISER REGIONAL PARKING	1901 FRANKLIN ST	1/8 - 1/4 NW	E27	40
ORDWAY THE	***ONE KAISER PLAZA***	***1/4 - 1/2 N***	***F31***	***45***
CHEVRON	***210 GRAND AVE***	***1/4 - 1/2 NNE***	***50***	***77***
LAKE MERRITT TOWERS I & I	155 GRAND	1/4 - 1/2 N	L54	84
EMPORIUM CAPWELL	20TH / BROADWAY	1/4 - 1/2 NW	55	84
CHEVRON	***1911 TELEGRAPH AVE***	***1/4 - 1/2 WNW***	***N63***	***93***
OAKLAND TRIBUNE	***2300 VALDEZ ST***	***1/4 - 1/2 N***	***P68***	***98***
GOODYEAR SERVICE STATION	***2025 TELEGRAPH AVE***	***1/4 - 1/2 NW***	***O71***	***101***
LAKE MERRITT LODGE	***2332 HARRISON ST***	***1/4 - 1/2 NNE***	***R75***	***114***
7 ELEVEN	***2350 HARRISON ST***	***1/4 - 1/2 NNE***	***R83***	***123***
EXXON	***2225 TELEGRAPH AVE***	***1/4 - 1/2 NW***	***AA117***	***157***
BILL COX CADILLAC & BUICK	***230 BAY PL***	***1/4 - 1/2 NNE***	***122***	***166***
CHAMPLIN FAMILY TRUST	***485 ELLITA AVE***	***1/4 - 1/2 ENE***	***123***	***170***

EXECUTIVE SUMMARY

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 01/07/2008 has revealed that there are 42 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
LAKEHURST HOTEL	***1569 JACKSON ST***	***1/8 - 1/4 S***	***10***	***20***
Facility Status: Case Closed				
CHEVRON	***1633 HARRISON ST***	***1/8 - 1/4 WSW***	***13***	***23***
Facility Status: Leak being confirmed				
DOUGLAS PARKING COMPANY	***1721 WEBSTER ST***	***1/8 - 1/4 W***	***D21***	***32***
Facility Status: Pollution Characterization				
TOOTHMAN DEVELOPMENT	***1736 FRANKLIN ST***	***1/4 - 1/2 W***	***28***	***41***
Facility Status: Case Closed				
YWCA OF OAKLAND	***1515 WEBSTER ST***	***1/4 - 1/2 WSW***	***29***	***42***
Facility Status: Case Closed				
PACIFIC BELL	***1587 FRANKLIN ST***	***1/4 - 1/2 W***	***32***	***49***
Facility Status: Case Closed				
A BACHARACH TR & B BORSUK	***1432 HARRISON ST***	***1/4 - 1/2 SW***	***G33***	***52***
Facility Status: Preliminary site assessment underway				
QUALITY TUNE UP	***246 14TH ST***	***1/4 - 1/2 SSW***	***H34***	***56***
Facility Status: Case Closed				
CHEVRON	301 14TH ST	1/4 - 1/2 SW	G38	61
Facility Status: Case Closed				
MOBIL #10-MHG	160 14TH	1/4 - 1/2 S	I41	63
Facility Status: Pollution Characterization				
PACIFIC BELL	***1519 FRANKLIN STREET***	***1/4 - 1/2 W***	***43***	***64***
Facility Status: Case Closed				
ALCOPARK GARAGE	***165 13TH ST***	***1/4 - 1/2 S***	***K48***	***71***
Facility Status: Pollution Characterization				
FINANCIAL CENTER BUILDING	***405 14TH ST***	***1/4 - 1/2 WSW***	***56***	***85***
Facility Status: Case Closed				
FIRE ALARM STATION	***1310 OAK ST***	***1/4 - 1/2 S***	***58***	***87***
Facility Status: Case Closed				
ALLRIGHT PARKING LOT	***1225 WEBSTER ST***	***1/4 - 1/2 SW***	***70***	***100***
Facility Status: Case Closed				
WESTERN UNION	***125 12TH ST***	***1/4 - 1/2 S***	***73***	***107***
Facility Status: Case Closed				
ZIMMERMAN INVESTMENTS	***420 13TH ST***	***1/4 - 1/2 WSW***	***Q74***	***111***
Facility Status: Case Closed				
TUNE UP MASTERS #325	***450 14TH ST E***	***1/4 - 1/2 WSW***	***80***	***119***
Facility Status: Case Closed				
ZIMMERMAN INVESTMENTS	***1330 BROADWAY***	***1/4 - 1/2 WSW***	***88***	***127***
LEE FAMILY ASSOCIATES	***387 12TH ST E***	***1/4 - 1/2 WSW***	***V97***	***138***
Facility Status: Case Closed				
SHORE ACRES GAS	403 12TH	1/4 - 1/2 WSW	V105	142
Facility Status: Leak being confirmed				
DEVI OIL COMPANY	***350 GRAND AVE***	***1/4 - 1/2 ENE***	***109***	***146***
Facility Status: Case Closed				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
EBMUD / CITY OF OAKLAND REDEVE Facility Status: Post remedial action monitoring	383 11TH	1/4 - 1/2 SW	AC121	165
NEGHERBON AUTO CENTER Facility Status: Case Closed	***2345 BROADWAY***	***1/4 - 1/2 NNW***	***124***	***172***
OFFICE OF THE PRESIDENT UC Facility Status: Case Closed	***1111 FRANKLIN ST***	***1/4 - 1/2 SW***	***AC131***	***190***
OAKLAND CITY HALL Facility Status: Case Closed	***#1 CITY HALL PLAZA***	***1/4 - 1/2 W***	***134***	***193***

Lower Elevation	Address	Dist / Dir	Map ID	Page
KAISER CENTER Facility Status: Case Closed	***300 LAKESIDE DR***	***0 - 1/8 NNE***	***A3***	***8***
LAKE POINT TOWERS LIMITED Facility Status: Case Closed	***101 LAKESIDE DR***	***1/8 - 1/4 SE***	***16***	***27***
MOBIL Facility Status: Case Closed	***1975 WEBSTER ST***	***1/8 - 1/4 NW***	***17***	***28***
ORDWAY THE Facility Status: Case Closed	***ONE KAISER PLAZA***	***1/4 - 1/2 N***	***F31***	***45***
CHEVRON Facility Status: Pollution Characterization	***210 GRAND AVE***	***1/4 - 1/2 NNE***	***50***	***77***
LAKE MERRITT TOWERS Facility Status: Leak being confirmed	***UNKNOWN VALDEZ / GRAN***	***1/4 - 1/2 N***	***L52***	***81***
LAKE MERRITT TOWERS I & II Facility Status: Case Closed	***155 GRAND AVE***	***1/4 - 1/2 N***	***L53***	***82***
CHEVRON Facility Status: Post remedial action monitoring	***1911 TELEGRAPH AVE***	***1/4 - 1/2 WNW***	***N63***	***93***
OAKLAND TRIBUNE Facility Status: Case Closed	***2300 VALDEZ ST***	***1/4 - 1/2 N***	***P68***	***98***
GOODYEAR SERVICE STATION Facility Status: Case Closed	***2025 TELEGRAPH AVE***	***1/4 - 1/2 NW***	***O71***	***101***
LAKE MERRITT LODGE Facility Status: Case Closed	***2332 HARRISON ST***	***1/4 - 1/2 NNE***	***R75***	***114***
7 ELEVEN Facility Status: Leak being confirmed	***2350 HARRISON ST***	***1/4 - 1/2 NNE***	***R83***	***123***
CHEVRON 9-3600 Facility Status: Preliminary site assessment underway	2200 TELEGRAPH AVE	1/4 - 1/2 NW	AA113	153
EXXON Facility Status: Pollution Characterization	***2225 TELEGRAPH AVE***	***1/4 - 1/2 NW***	***AA117***	***157***
BILL COX CADILLAC & BUICK Facility Status: Pollution Characterization	***230 BAY PL***	***1/4 - 1/2 NNE***	***122***	***166***
CHAMPLIN FAMILY TRUST Facility Status: Case Closed	***485 ELLITA AVE***	***1/4 - 1/2 ENE***	***123***	***170***

EXECUTIVE SUMMARY

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 7 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
VACANT LOT	***1881 HARRISON***	***0 - 1/8 WNW***	***B6***	***17***
19TH & HARRISON ST.	***1833 HARRISON ST***	***0 - 1/8 W***	***B9***	***19***
PG&E REGIONAL HEADQUARTERS	***1919 WEBSTER ST***	***1/8 - 1/4 WNW***	***C11***	***22***
DOUGLAS PARKING COMPANY	***1721 WEBSTER ST***	***1/8 - 1/4 W***	***D21***	***32***

Lower Elevation	Address	Dist / Dir	Map ID	Page
KAISER CENTER	300 LAKESIDE DR	0 - 1/8 NNE	A5	17
KAISER FOUNDATION HEALTH PLAN	***1935 WEBSTER ST***	***1/8 - 1/4 NW***	***C14***	***25***
BLUE CROSS BUILDING	***1950 FRANKLIN ST***	***1/8 - 1/4 NW***	***E24***	***37***

SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 01/07/2008 has revealed that there are 9 SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PARKING LOT Facility Status: Case Closed	1750 WEBSTER	1/8 - 1/4 W	D18	30
FRANK G MAR COMMUNITY HOUSING Facility Status: Case Closed	283 13TH	1/4 - 1/2 SW	J47	71
OAKLAND GALLERIA PROJECT CITY	UNKNOWN 19TH / BROADW	1/4 - 1/2 WNW	51	80
ESSEX PARK	100 GRAND AVENUE	1/4 - 1/2 NNW	M60	91
FRANK MAR COMMUNITY HOUSING PR	383 13TH ST	1/4 - 1/2 WSW	65	96
TRIBUNE TOWER COMPLEX	***409 13TH ST***	***1/4 - 1/2 WSW***	***Q72***	***104***
ICE VENTURES PROJECT Facility Status: Case Closed	540 17TH	1/4 - 1/2 W	X99	140
LABOR TEMPLE PARKING LOT Facility Status: Case Closed	2330 WEBSTER	1/4 - 1/2 N	Y101	140

Lower Elevation	Address	Dist / Dir	Map ID	Page
LAKE MERRITT TOWERS	***UNKNOWN VALDEZ / GRAN***	***1/4 - 1/2 N***	***L52***	***81***

CS: A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

A review of the CS list, as provided by EDR, and dated 01/28/2008 has revealed that there are 41 CS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
LAKEHURST HOTEL	***1569 JACKSON ST***	***1/8 - 1/4 S***	***10***	***20***
CHEVRON	***1633 HARRISON ST***	***1/8 - 1/4 WSW***	***13***	***23***
PARKING LOT	1750 WEBSTER ST	1/8 - 1/4 W	D19	30
DOUGLAS PARKING COMPANY	***1721 WEBSTER ST***	***1/8 - 1/4 W***	***D21***	***32***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TOOTHMAN DEVELOPMENT	***1736 FRANKLIN ST***	***1/4 - 1/2 W***	***28***	***41***
YWCA OF OAKLAND	***1515 WEBSTER ST***	***1/4 - 1/2 WSW***	***29***	***42***
PACIFIC BELL	***1587 FRANKLIN ST***	***1/4 - 1/2 W***	***32***	***49***
A BACHARACH TR & B BORSUK	***1432 HARRISON ST***	***1/4 - 1/2 SW***	***G33***	***52***
QUALITY TUNE UP	***246 14TH ST***	***1/4 - 1/2 SSW***	***H34***	***56***
HARRISON CAR WASH	***301 14TH ST***	***1/4 - 1/2 SW***	***G37***	***59***
MOBIL	***160 14TH ST***	***1/4 - 1/2 S***	***I42***	***64***
PACIFIC BELL	***1519 FRANKLIN STREET***	***1/4 - 1/2 W***	***43***	***64***
FRANK G MAR COMMUNITY HOUSING	283 13TH ST	1/4 - 1/2 SW	J46	71
ALCO PARK GARAGE	165 13TH ST	1/4 - 1/2 S	K49	76
FINANCIAL CENTER BUILDING	***405 14TH ST***	***1/4 - 1/2 WSW***	***56***	***85***
FIRE ALARM STATION	***1310 OAK ST***	***1/4 - 1/2 S***	***58***	***87***
ALLRIGHT PARKING LOT	***1225 WEBSTER ST***	***1/4 - 1/2 SW***	***70***	***100***
WESTERN UNION	***125 12TH ST***	***1/4 - 1/2 S***	***73***	***107***
ZIMMERMAN INVESTMENTS	***420 13TH ST***	***1/4 - 1/2 WSW***	***Q74***	***111***
LEE ASSOC.	***387 12TH ST***	***1/4 - 1/2 WSW***	***V96***	***137***
ICE VENTURES PROJECT	540 17TH ST	1/4 - 1/2 W	X100	140
LABOR TEMPLE PARKING LOT	2330 WEBSTER ST	1/4 - 1/2 N	Y102	141
DEVI OIL COMPANY	***350 GRAND AVE***	***1/4 - 1/2 ENE***	***109***	***146***
EBMUD / CITY OF OAKLAND REDEVE	383 11TH ST	1/4 - 1/2 SW	AC120	165
NEGHERBON AUTO CENTER	***2345 BROADWAY***	***1/4 - 1/2 NNW***	***124***	***172***
OFFICE OF THE PRESIDENT UC	***1111 FRANKLIN ST***	***1/4 - 1/2 SW***	***AC131***	***190***

Lower Elevation	Address	Dist / Dir	Map ID	Page
KAISER CENTER	***300 LAKESIDE DR***	***0 - 1/8 NNE***	***A3***	***8***
MOBIL	***1975 WEBSTER ST***	***1/8 - 1/4 NW***	***17***	***28***
ORDWAY BUILDING	***1 KAISER PLZ***	***1/4 - 1/2 N***	***F30***	***44***
EMPORIUM CAPWELL	0 20TH ST / BROADWAY	1/4 - 1/2 NW	45	71
CHEVRON	***210 GRAND AVE***	***1/4 - 1/2 NNE***	***50***	***77***
LAKE MERRITT TOWERS I & II	***155 GRAND AVE***	***1/4 - 1/2 N***	***L53***	***82***
CHEVRON	***1911 TELEGRAPH AVE***	***1/4 - 1/2 WNW***	***N63***	***93***
OAKLAND TRIBUNE	2302 VALDEZ ST	1/4 - 1/2 N	P69	99
GOODYEAR SERVICE STATION	***2025 TELEGRAPH AVE***	***1/4 - 1/2 NW***	***O71***	***101***
LAKE MERRITT LODGE	***2332 HARRISON ST***	***1/4 - 1/2 NNE***	***R75***	***114***
7 ELEVEN	***2350 HARRISON ST***	***1/4 - 1/2 NNE***	***R83***	***123***
CHEVRON #93600	***2200 TELEGRAPH AVE***	***1/4 - 1/2 NW***	***AA112***	***152***
EXXON	***2225 TELEGRAPH AVE***	***1/4 - 1/2 NW***	***AA117***	***157***
BILL COX CADILLAC & BUICK	***230 BAY PL***	***1/4 - 1/2 NNE***	***122***	***166***
CHAMPLIN FAMILY TRUST	***485 ELLITA AVE***	***1/4 - 1/2 ENE***	***123***	***170***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 01/07/2008 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
Not reported	***300 LAKESIDE DR***	***0 - 1/8 NNE***	***A2***	***6***
KAISER FOUNDATION HEALTH PLAN	1950 FRANKLIN ST	1/8 - 1/4 NW	E26	40

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 8 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
VACANT LOT	1881 HARRISON ST	0 - 1/8 WNW	B7	18
19TH & HARRISON ST.	1833 HARRISON ST	0 - 1/8 W	B8	18
EAST BAY DIVISION HEADQUARTERS	1919 WEBSTER ST	1/8 - 1/4 WNW	C12	23
DOUGLAS MOTOR SERVICE	1721 WEBSTER ST	1/8 - 1/4 W	D20	31
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
KAISER CENTER	***300 LAKESIDE DR***	***0 - 1/8 NNE***	***A3***	***8***
KAISER CENTER GARAGE	***300 LAKESIDE DRIVE***	***0 - 1/8 NNE***	***A4***	***13***
BLUE CROSS BUILDING	1935 WEBSTER ST	1/8 - 1/4 NW	C15	26
BLUE CROSS BUILDING	1950 FRANKLIN ST	1/8 - 1/4 NW	E23	36

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 7 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
VACANT LOT	***1881 HARRISON***	***0 - 1/8 WNW***	***B6***	***17***
19TH & HARRISON ST.	***1833 HARRISON ST***	***0 - 1/8 W***	***B9***	***19***
PG&E REGIONAL HEADQUARTERS	***1919 WEBSTER ST***	***1/8 - 1/4 WNW***	***C11***	***22***
DOUGLAS PARKING COMPANY	***1721 WEBSTER ST***	***1/8 - 1/4 W***	***D21***	***32***
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
KAISER CENTER	***300 LAKESIDE DR***	***0 - 1/8 NNE***	***A3***	***8***
KAISER FOUNDATION HEALTH PLAN	***1935 WEBSTER ST***	***1/8 - 1/4 NW***	***C14***	***25***
BLUE CROSS BUILDING	***1950 FRANKLIN ST***	***1/8 - 1/4 NW***	***E24***	***37***

Notify 65: Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data come from the State Water Resources Control Board's Proposition 65 database.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 15 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
F.G. MAR COMMUNITY HOUSING PRJ	HARRISON / 13TH STREE	1/4 - 1/2 SW	62	93
LAWLER APARTMENTS	431 LEE STREET	1/4 - 1/2 NE	114	155
OAKLAND CITY HALL	***#1 CITY HALL PLAZA***	***1/4 - 1/2 W***	***134***	***193***
BROADWAY VOLKSWAGON	2749 BROADWAY	1/2 - 1 N	137	197
YUEN'S EXXON SERVICE	1901 PARK BOULEVARD	1/2 - 1 ESE	139	198
UNOCAL SERVICE STATION #3538	411 WEST MAC ARTHUR	1/2 - 1 ENE	AF140	198
MOSSWOOD UNION	411 WEST MACARTHUR	1/2 - 1 ENE	AF141	198
EUROPEAN MOTORS	***2915 BROADWAY***	***1/2 - 1 N***	***142***	***198***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MOSTLY MUSTANGS	***2576 MARTIN LUTHER KING***	***1/2 - 1 NNW***	***145***	***206***

Lower Elevation	Address	Dist / Dir	Map ID	Page
CROWLEY MARITIME CORP.	PAC. DRY DOCK YARDS 1 /	1/4 - 1/2 N	L57	87
SERVICE STATION	2225 TELEGRAPH AVENUE	1/2 - 1 NW	135	197
SERVICE STATION	500 GRAND AVENUE	1/2 - 1 ENE	136	197
LANEY COLLEGE	600 FALLON STREET	1/2 - 1 SSW	138	197
P. E. O'HAIR & CO.	309 FOURTH STREET	1/2 - 1 SW	144	205
AMERICAN INK PRODUCTS	630 EAST 10TH STREET	1/2 - 1 SSE	149	217

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, and dated 02/26/2008 has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
HARRIS DRY CLEANERS	***2801 MARTIN LUTHER KING***	***1/2 - 1 NNW***	***150***	***217***

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 02/26/2008 has revealed that there are 7 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FRANCIS PLATING OF OAKLAND, IN	***785 7TH STREET***	***1/2 - 1 WSW***	***AG147***	***214***
Facility Status: No Further Action				
HARRIS DRY CLEANERS	***2801 MARTIN LUTHER KING***	***1/2 - 1 NNW***	***150***	***217***
Facility Status: Active				
WILFRED'S AUTO WRECKING	***1834 7TH STREET***	***1/2 - 1 SE***	***153***	***228***
Facility Status: Certified				

Lower Elevation	Address	Dist / Dir	Map ID	Page
LAKESIDE NON-FERROUS METALS CO	412 MADISON STREET	1/2 - 1 SSW	143	204
Facility Status: Inactive - Needs Evaluation				
CHRIS AND GEORGE'S AUTO REPAIR	2520 WEST STREET	1/2 - 1 NW	148	216
Facility Status: Refer: Local Agency				
A. BERCOVICH 2ND STREET	***127 2ND STREET***	***1/2 - 1 SSW***	***151***	***221***
Facility Status: Active				

EXECUTIVE SUMMARY

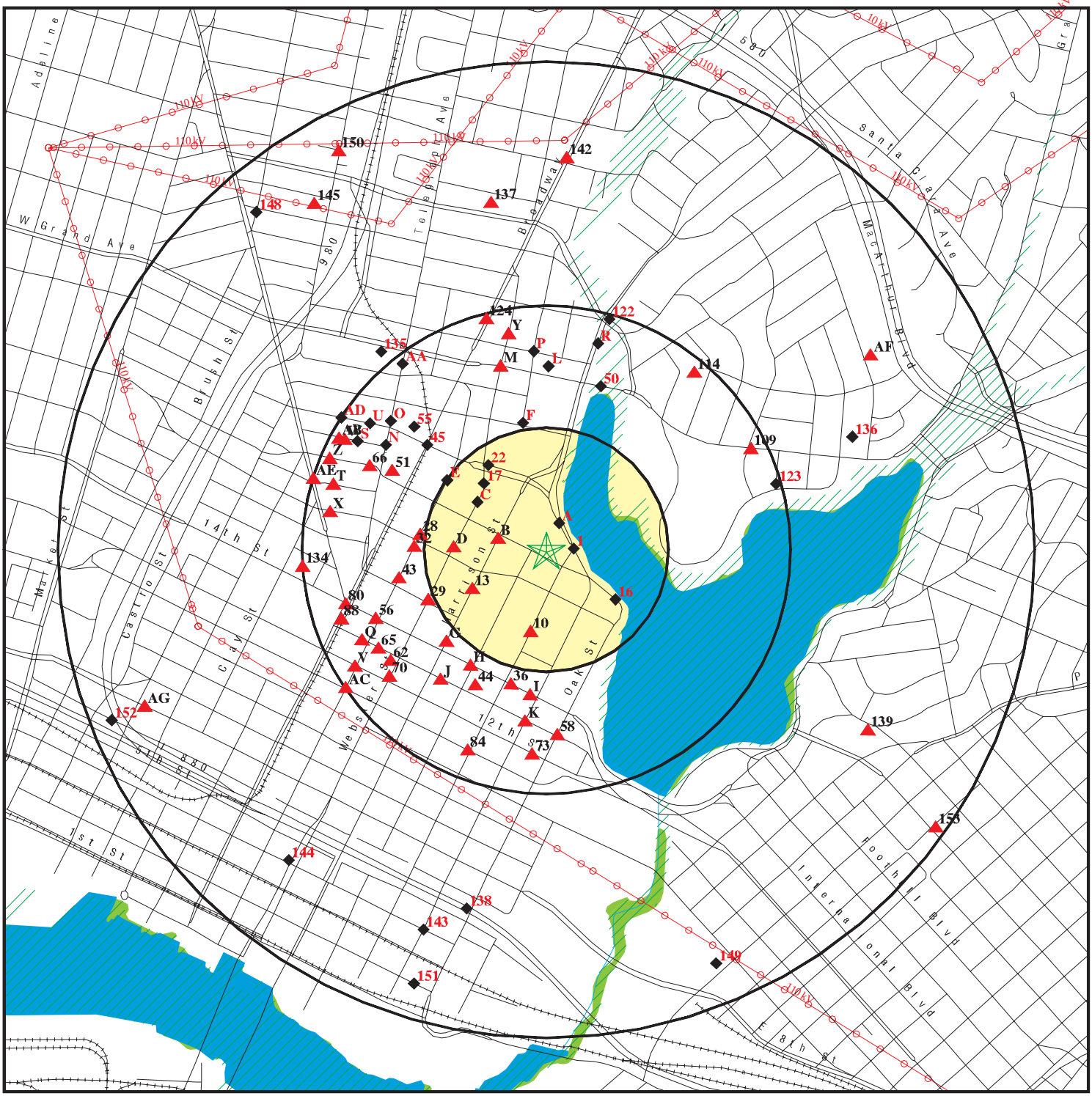
Lower Elevation	Address	Dist / Dir	Map ID	Page
PG&E OAKLAND-1 MGP Facility Status: Active	***50 MARKET BETWEEN FIRST***	***1/2 - 1 WSW***	***152***	***224***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
COMM AIR	LUST, Cortese, CS, SWEEPS UST
CARNATION DAIRIES	RESPONSE, ENVIROSTOR
OAKLAND POLICE STATION	LUST, Cortese
LLOYD WISE NISSAN	LUST, Cortese
54 EMBARCADERO	CERC-NFRAP
OAKLAND ARMY BASE - TANK 660	LUST
OAKLAND ARMY BASE - TANK 688	LUST
OAKLAND ARMY BASE - TANK 682	LUST
OAKLAND ARMY BASE - TANK 681	LUST
OAKLAND ARMY BASE - TANK 686	LUST
OAKLAND ARMY BASE - TANK 651	LUST
OAKLAND ARMY BASE - TANK 684	LUST
OAKLAND ARMY BASE - TANK 652	LUST
OAKLAND ARMY BASE - TANK 678	LUST
OAKLAND ARMY BASE - TANK 679	LUST
OAKLAND ARMY BASE -TANK 673	LUST
OAKLAND ARMY BASE - TANK 671	LUST
OAKLAND ARMY BASE - TANK 672	LUST
OAKLAND ARMY BASE - TANK 677	LUST
OAKLAND ARMY BASE - TANK 742	LUST
OAKLAND ARMY BASE - TANK 743	LUST
OAKLAND ARMY BASE -11A/12A/13A	LUST
OAKLAND ARMY BASE TANKS 4&5	LUST
SOUTHERN PACIFIC	LUST
OAKLAND OEDE CITY OF	LUST, SLIC
OAKLAND REDEVELOPMENT AGENCY	LUST, SLIC
EMPORIUM CAPWELL	LUST
GERMAN AUTOCRAFT	LUST
OAK STREET TO 9TH AVENUE	VCP, ENVIROSTOR
OAKLAND	AST
OAKLAND TERMINAL RAILWAY PROPERTY	SLIC
UPTOWN THEATER DISTRICT	SLIC
SITE B PROPERTIES	SLIC
EAST BASIN MARINA	SLIC
CATHEDRAL OF CHRIST THE LIGHT	SLIC
OAKLAND REDEVELOPMENT AGENCY	SLIC
URBAN PROMISE ACADEMY SITE	SCH, ENVIROSTOR
PORT OF OAKLAND - FORMER OAKLAND A	ENVIROSTOR
NABISCO	ENVIROSTOR

OVERVIEW MAP - 2192354.1s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

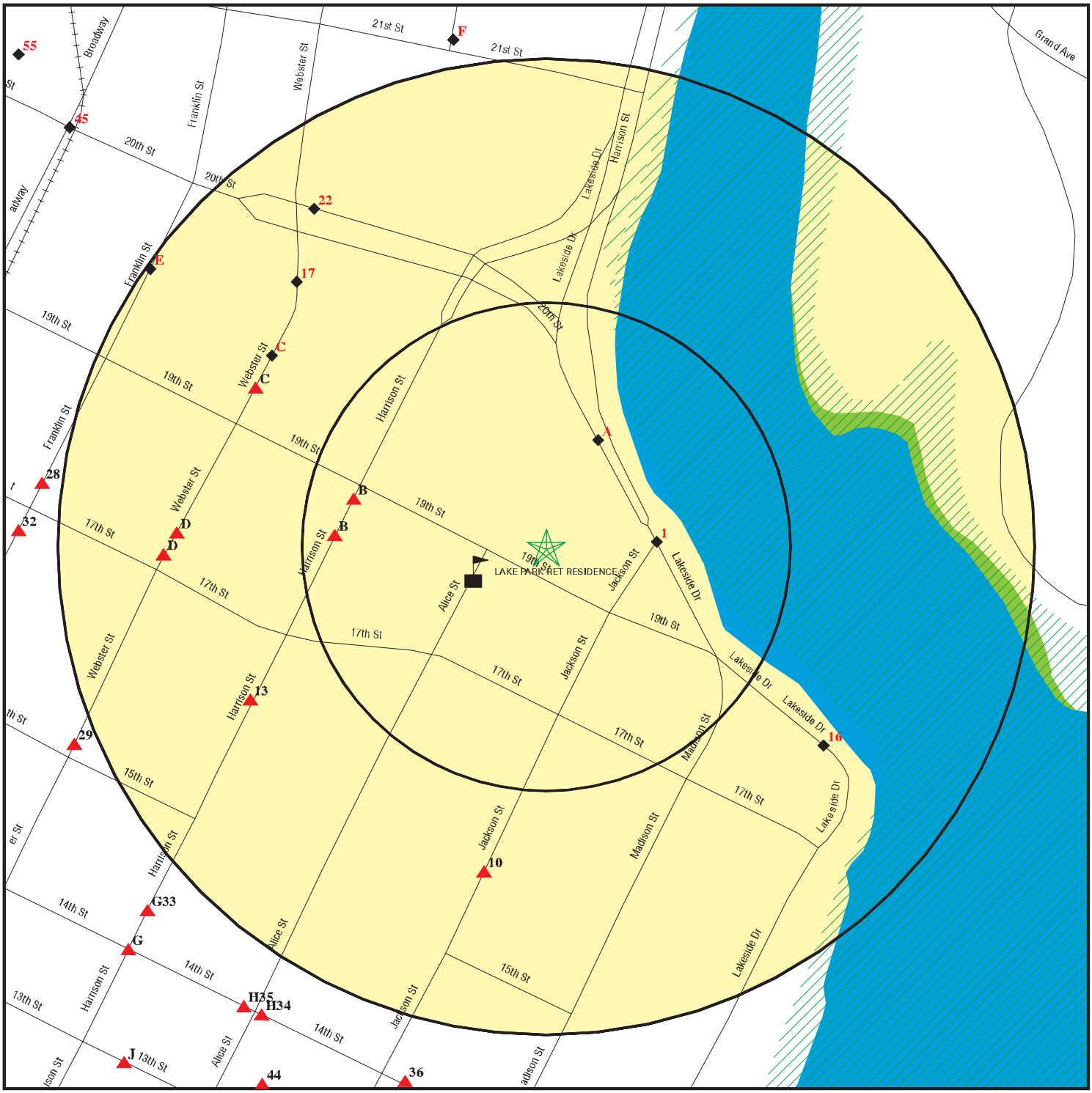
Areas of Concern

N

SITE NAME:	19th Street Residential Condominium	CLIENT:	Baseline Environmental Cons.
ADDRESS:	222 19th Street Oakland CA 94612	CONTACT:	Reginald Ramirez
LAT/LONG:	37.8059 / 122.2637	INQUIRY #:	2192354.1s
		DATE:	April 11, 2008 1:11 pm

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DETAIL MAP - 2192354.1s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

Areas of Concern

0 1/16 1/8 1/4 Miles

SITE NAME:	19th Street Residential Condominium	CLIENT:	Baseline Environmental Cons.
ADDRESS:	222 19th Street Oakland CA 94612	CONTACT:	Reginald Ramirez
LAT/LONG:	37.8059 / 122.2637	INQUIRY #:	2192354.1s
		DATE:	April 11, 2008 1:11 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	1	NR	1
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	1	0	NR	NR	NR	1
RCRA-SQG		0.250	0	2	NR	NR	NR	2
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
US CDL		TP	NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	39	NR	NR	39
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	1	0	NR	1
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
HIST Cal-Sites		1.000	0	0	0	1	NR	1
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
SWF/LF		0.500	0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	1	NR	NR	1
Cortese		0.500	2	7	36	NR	NR	45
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	1	5	36	NR	NR	42
CA FID UST		0.250	3	4	NR	NR	NR	7
SLIC		0.500	0	1	8	NR	NR	9
CS		0.500	1	5	35	NR	NR	41
UST		0.250	1	1	NR	NR	NR	2
HIST UST		0.250	4	4	NR	NR	NR	8
LIENS		TP	NR	NR	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
SWEEPS UST		0.250	3	4	NR	NR	NR	7
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	4	11	NR	15
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	1	NR	1
HAZNET		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	7	NR	7
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
East
< 1/8
0.057 mi.
301 ft.

REGILLUS CONDOMINIUMS
200 LAKESIDE DR
OAKLAND, CA 94612

HAZNET
Cortese

S100226809
N/A

Relative:
Lower

Actual:
10 ft.

HAZNET:

Gepaid:	CAC002556193
Contact:	BRENT FISHER
Telephone:	5104653353
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	200 LAKESIDE DR
Mailing City,St,Zip:	OAKLAND, CA 94612
Gen County:	Alameda
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	2.75
Facility County:	Not reported

Cortese:

Region:	CORTESE
Facility Addr2:	200 LAKESIDE DR

A2
NNE
< 1/8
0.060 mi.
315 ft.

300 LAKESIDE DR
OAKLAND, CA 94643
Site 1 of 4 in cluster A

HAZNET
RCRA-LQG
UST
FTTS
HIST FTTS

1007199513
CAD981630114

Relative:
Lower

Actual:
11 ft.

HAZNET:

Gepaid:	CAD981630114
Contact:	BILL VINZANT/MGR CORP AFFR
Telephone:	2252315116
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	9141 INTERLINE AVE STE 1A
Mailing City,St,Zip:	BATON ROUGE, LA 70809
Gen County:	Alameda
TSD EPA ID:	CAD982042475
TSD County:	Alameda
Waste Category:	Asbestos-containing waste
Disposal Method:	Disposal, Land Fill
Tons:	58.99
Facility County:	1

Gepaid:	CAD981630114
Contact:	BILL VINZANT/MGR CORP AFFR
Telephone:	2252315116
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	9141 INTERLINE AVE STE 1A
Mailing City,St,Zip:	BATON ROUGE, LA 70809
Gen County:	Alameda
TSD EPA ID:	CAL000190080
TSD County:	Alameda
Waste Category:	Asbestos-containing waste

(Continued) **1007199513**

Disposal Method:	Disposal, Land Fill
Tons:	3.37
Facility County:	1

Gepaid:	CAD981630114
Contact:	BILL VINZANT/MGR CORP AFFR
Telephone:	2252315116
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	9141 INTERLINE AVE STE 1A
Mailing City,St,Zip:	BATON ROUGE, LA 70809
Gen County:	Alameda
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Other inorganic solid waste
Disposal Method:	Transfer Station
Tons:	0.25
Facility County:	Not reported

RCRA-LQG:

Date form received by agency:	03/13/1990
Facility name:	Not reported
Facility address:	300 LAKESIDE DR OAKLAND, CA 94643
EPA ID:	CAD981630114
Contact:	ELLEN M YANK
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(415) 271-6113
Contact email:	Not reported
EPA Region:	Not reported
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste:	Unknown
Mixed waste (haz. and radioactive):	Unknown
Recycler of hazardous waste:	Unknown
Transporter of hazardous waste:	Unknown
Treater, storer or disposer of HW:	No
Underground injection activity:	Unknown
On-site burner exemption:	Unknown
Furnace exemption:	Unknown
Used oil fuel burner:	Unknown
Used oil processor:	Unknown
User oil refiner:	Unknown
Used oil fuel marketer to burner:	Unknown
Used oil Specification marketer:	Unknown
Used oil transfer facility:	Unknown
Used oil transporter:	Unknown
Off-site waste receiver:	Commercial status unknown

(Continued) **1007199513**

Violation Status: No violations found

UST:
Local Agency: 01060
Facility ID: 131

FTTS INSP:
Inspection Number: Not reported
Region: 09
Inspection Date: Not reported
Inspector: RPETERSON
Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 199408047242 1
Region: 09
Inspection Date: Not reported
Inspector: RPETERSON
Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

A3 **KAISER CENTER** **HAZNET** **1000380332**
NNE **300 LAKESIDE DR** **LUST** **N/A**
< 1/8 **OAKLAND, CA 94612** **Cortese**
0.061 mi. **HIST UST**
322 ft. **Site 2 of 4 in cluster A** **CS**
SWEEPS UST

Relative:
Lower

Actual:
11 ft.

HAZNET:
Gepaid: CAL000269065
Contact: DIANE RECTOR/PROP ADMIN
Telephone: 5102716153
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 300 LAKESIDE DR STE 130
Mailing City,St,Zip: OAKLAND, CA 946123534
Gen County: Alameda
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 0.02
Facility County: Not reported

Gepaid: CAL000269065
Contact: DIANE RECTOR/PROP ADMIN
Telephone: 5102716153
Facility Addr2: Not reported

KAISER CENTER (Continued) **1000380332**

Mailing Name: Not reported
Mailing Address: 300 LAKESIDE DR STE 130
Mailing City,St,Zip: OAKLAND, CA 946123534
Gen County: Alameda
TSD EPA ID: CAL000190080
TSD County: Alameda
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 1.68
Facility County: 1

Gepaid: CAL000269065
Contact: DIANE RECTOR/PROP ADMIN
Telephone: 5102716153
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 300 LAKESIDE DR STE 130
Mailing City,St,Zip: OAKLAND, CA 946123534
Gen County: Alameda
TSD EPA ID: CAT080014079
TSD County: Alameda
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Transfer Station
Tons: 0.04
Facility County: 1

Gepaid: CAL000269065
Contact: DIANE RECTOR/PROP ADMIN
Telephone: 5102716153
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 300 LAKESIDE DR STE 130
Mailing City,St,Zip: OAKLAND, CA 946123534
Gen County: Alameda
TSD EPA ID: CAD982042475
TSD County: Alameda
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 58.99
Facility County: 1

Gepaid: CAL000269065
Contact: DIANE RECTOR/PROP ADMIN
Telephone: 5102716153
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 300 LAKESIDE DR STE 130
Mailing City,St,Zip: OAKLAND, CA 946123534
Gen County: Alameda
TSD EPA ID: AZ0000337360
TSD County: Alameda
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Recycler
Tons: 1.09
Facility County: 1

KAISER CENTER (Continued) **1000380332**

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100774
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1993-10-29 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1991-02-06 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: DEBORAH BOYER
RP Address: 300 LAKESIDE DR SUITE 2685
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: TP
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000911

KAISER CENTER (Continued) **1000380332**

Case Number: 01-0840
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAW Pa08/13/199312/09/1997

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-0840
Case Number: 4011
How Discovered: Tank Closure
Leak Cause: Overfill
Leak Source: Piping
Date Leak Confirmed: 11/24/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 10/29/1990
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 300 Lakeside Dr

HIST UST:
Region: STATE
Facility ID: 00000020218
Facility Type: Other
Other Type: OFFICE BUILDING
Total Tanks: 0001
Contact Name: TERRY ANDERSON, SUPERVISOR
Telephone: 4152716182
Owner Name: KAISER CENTER, INC.
Owner Address: ONE KAISER PLAZA
Owner City,St,Zip: OAKLAND, CA 94643

Tank Num: 001
Container Num: 6
Year Installed: 1959
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

CS:
Record Id: RO0000911

KAISER CENTER (Continued) **1000380332**

PE: 5602
Status: Case Closed

SWEEPS UST:
Status: A
Comp Number: 4631
Number: 1
Board Of Equalization: 44-000068
Ref Date: 06-04-91
Act Date: 04-15-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 01-000-004631-000001
Actv Date: 07-01-85
Capacity: 3000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: 5

Status: A
Comp Number: 4631
Number: 1
Board Of Equalization: 44-000068
Ref Date: 06-04-91
Act Date: 04-15-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: #2
Swrcb Tank Id: 01-000-004631-000002
Actv Date: 07-01-85
Capacity: 5000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: Not reported

Status: A
Comp Number: 4631
Number: 1
Board Of Equalization: 44-000068
Ref Date: 06-04-91
Act Date: 04-15-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: #3
Swrcb Tank Id: 01-000-004631-000003
Actv Date: 07-01-85
Capacity: 5000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: Not reported

Status: A
Comp Number: 4631

KAISER CENTER (Continued) **1000380332**

Number: 1
Board Of Equalization: 44-000068
Ref Date: 06-04-91
Act Date: 04-15-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: #4
Swrcb Tank Id: 01-000-004631-000004
Actv Date: 07-01-85
Capacity: 3000
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: Not reported

Status: A
Comp Number: 4631
Number: 1
Board Of Equalization: 44-000068
Ref Date: 06-04-91
Act Date: 04-15-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-004631-000005
Actv Date: 06-04-91
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

A4 **KAISER CENTER GARAGE** **HIST UST U001599550**
NNE **300 LAKESIDE DRIVE** **AIRS N/A**
< 1/8 **OAKLAND, CA 94643**
0.061 mi.
322 ft. **Site 3 of 4 in cluster A**

Relative:
Lower

Actual:
11 ft.

HIST UST:
Region: STATE
Facility ID: 00000004631
Facility Type: Other
Other Type: PARKING GARAGE
Total Tanks: 0004
Contact Name: E. B. PLATE', MANAGER
Telephone: 4152716138
Owner Name: KAISER CENTER, INC.
Owner Address: ONE KAISER PLAZA
Owner City,St,Zip: OAKLAND, CA 94643

Tank Num: 001
Container Num: 1
Year Installed: 1959
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Stock Inventor

KAISER CENTER GARAGE (Continued) **U001599550**

Tank Num: 002
Container Num: #2
Year Installed: 1959
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: 1959
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: #4
Year Installed: 1965
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Stock Inventor

EMI:

Year:	1997
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	9356
Air District Name:	BA
SIC Code:	8621
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	9356
Air District Name:	BA
SIC Code:	8062
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

KAISER CENTER GARAGE (Continued) **U001599550**

NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	9356
Air District Name:	BA
SIC Code:	8062
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	9356
Air District Name:	BA
SIC Code:	8062
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	9356
Air District Name:	BA
SIC Code:	8062
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year: 2002

KAISER CENTER GARAGE (Continued) **U001599550**

Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 9356
Air District Name: BA
SIC Code: 6512
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2003
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 9356
Air District Name: BA
SIC Code: 6512
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 1
NOX - Oxides of Nitrogen Tons/Yr: 1
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2004
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 9356
Air District Name: BA
SIC Code: 6512
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.096
Reactive Organic Gases Tons/Yr: 0.0405312
Carbon Monoxide Emissions Tons/Yr: 0.588
NOX - Oxides of Nitrogen Tons/Yr: 0.588
SOX - Oxides of Sulphur Tons/Yr: 0.009
Particulate Matter Tons/Yr: 0.051
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0.051

A5 **KAISER CENTER** **CA FID UST** **S101624555**
NNE **300 LAKESIDE DR** **N/A**
< 1/8 **OAKLAND, CA 94612**
0.061 mi.
322 ft. **Site 4 of 4 in cluster A**

Relative:
Lower

Actual:
11 ft.

CA FID UST:
Facility ID: 01000957
Regulated By: UTNKA
Regulated ID: CAD981630
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4152716113
Mail To: Not reported
Mailing Address: 300 LAKESIDE DR
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

B6 **VACANT LOT** **CA FID UST** **S101624499**
WNW **1881 HARRISON** **SWEEPS UST** **N/A**
< 1/8 **OAKLAND, CA 94612**
0.101 mi.
534 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
29 ft.

CA FID UST:
Facility ID: 01002532
Regulated By: UTNKA
Regulated ID: 00002827
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4159564446
Mail To: Not reported
Mailing Address: 444 MARKET ST
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 2827
Number: 9
Board Of Equalization: 44-031504
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A

VACANT LOT (Continued) **S101624499**

Owner Tank Id: 1
Swrcb Tank Id: 01-000-002827-000001
Actv Date: 07-01-85
Capacity: Not reported
Tank Use: UNKNOWN
Stg: P
Content: Not reported
Number Of Tanks: 1

B7 **VACANT LOT** HIST UST **U001599422**
WNW **1881 HARRISON ST** **N/A**
< 1/8 **OAKLAND, CA 94612**
0.101 mi.
534 ft. **Site 2 of 4 in cluster B**

Relative: **Higher**

Actual: **29 ft.**

HIST UST:
Region: STATE
Facility ID: 00000002827
Facility Type: Other
Other Type: Not reported
Total Tanks: 0001
Contact Name: Not reported
Telephone: 4159564446
Owner Name: CADILLAC FAIRVIEW/CALIFORNIA,
Owner Address: 1800 AVENUE OF THE STARS, SUIT
Owner City,St,Zip: LOS ANGELES, CA 90067

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

B8 **19TH & HARRISON ST.** HIST UST **U001599395**
West **1833 HARRISON ST** **N/A**
< 1/8 **OAKLAND, CA 94612**
0.108 mi.
571 ft. **Site 3 of 4 in cluster B**

Relative: **Higher**

Actual: **32 ft.**

HIST UST:
Region: STATE
Facility ID: 00000012213
Facility Type: Other
Other Type: CAR RENTAL
Total Tanks: 0002
Contact Name: LELAND DOUGLAS
Telephone: 4154447412
Owner Name: DOUGLAS PARKING CO.
Owner Address: 1721 WEBSTER ST.
Owner City,St,Zip: OAKLAND, CA 94612

Tank Num: 001
Container Num: 004

19TH & HARRISON ST. (Continued) **U001599395**

Year Installed: 1974
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 003
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Tank Construction: Not reported
Leak Detection: Visual

B9 **19TH & HARRISON ST.** CA FID UST **S101580368**
West **1833 HARRISON ST** SWEEPS UST **N/A**
< 1/8 **OAKLAND, CA 94612**
0.108 mi.
571 ft. **Site 4 of 4 in cluster B**

Relative: **Higher**

Actual: **32 ft.**

CA FID UST:
Facility ID: 01002599
Regulated By: UTNKA
Regulated ID: 00012213
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154447412
Mail To: Not reported
Mailing Address: 1721 WEBSTER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 12213
Number: 9
Board Of Equalization: 44-000181
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 4
Swrcb Tank Id: 01-000-012213-000001
Actv Date: 07-01-85
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED

19TH & HARRISON ST. (Continued) **S101580368**

Number Of Tanks: 2

Status: A
Comp Number: 12213
Number: 9
Board Of Equalization: 44-000181
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 3
Swrcb Tank Id: 01-000-012213-000002
Actv Date: 07-01-85
Capacity: 550
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

---

10 South 1/8-1/4 0.169 mi. 893 ft.

LAKEHURST HOTEL **LUST S102628249**
1569 JACKSON ST **Cortese N/A**
OAKLAND, CA 94612 **CS**

Relative: Higher

Actual: 32 ft.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600102048
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1997-06-11 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1996-12-11 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region

LAKEHURST HOTEL (Continued) **S102628249**

Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: Not reported
RP Address: Not reported
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: Not reported
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000744
Case Number: 01-2231
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC HSCA 06/11/1997

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-2231
Case Number: 6075
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 6/10/1997
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1569 Jackson St

CS:
Record Id: RO0000744
PE: 5602

LAKEHURST HOTEL (Continued) **S102628249**

Status: Case Closed

C11 **PG&E REGIONAL HEADQUARTERS** **Cortese** **S101580109**
WNW **1919 WEBSTER ST** **CA FID UST** **N/A**
1/8-1/4 **OAKLAND, CA 94612** **SWEEPS UST**
0.169 mi.
894 ft. **Site 1 of 4 in cluster C**

Relative:
Higher

Actual:
28 ft.

Cortese:
Region: CORTESE
Facility Addr2: 1919 Webster St

CA FID UST:
Facility ID: 01001284
Regulated By: UTNKA
Regulated ID: 00024785
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4158742422
Mail To: Not reported
Mailing Address: 1919 WEBSTER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 24785
Number: 1
Board Of Equalization: 44-000301
Ref Date: 03-04-91
Act Date: 03-04-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 01009
Swrcb Tank Id: 01-000-024785-000001
Actv Date: 03-04-91
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 1

C12 **EAST BAY DIVISION HEADQUARTERS** **HIST UST** **U001599404**
WNW **1919 WEBSTER ST** **N/A**
1/8-1/4 **OAKLAND, CA 94612**
0.169 mi.
894 ft. **Site 2 of 4 in cluster C**

Relative:
Higher

Actual:
28 ft.

HIST UST:
Region: STATE
Facility ID: 00000024785
Facility Type: Other
Other Type: PUBLIC UTILITY
Total Tanks: 0001
Contact Name: FLOYD C. MARKS
Telephone: 4158358500
Owner Name: PACIFIC GAS AND ELECTRIC COMPA
Owner Address: 77 BEALE ST.
Owner City,St,Zip: SAN FRANCISCO, CA 94106

Tank Num: 001
Container Num: HQ-001
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: None

---

13 **CHEVRON** **LUST** **S105030325**
WSW **1633 HARRISON ST** **Cortese** **N/A**
1/8-1/4 **OAKLAND, CA 94612** **CS**
0.170 mi.
899 ft.

Relative:
Higher

Actual:
36 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100304
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1988-01-27 00:00:00
Workplan: Not reported
Prelim Assess: 1988-01-24 00:00:00
Pollution Char: 1988-01-24 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1987-12-17 00:00:00
Enforcement Dt: Not reported
Release Date: 1988-01-27 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported

CHEVRON (Continued) **S105030325**

Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Leak being confirmed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: MARTIN ZONE
RP Address: 6001 BOLLINGER CANYON RD K2256 PO BOX 6012
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: BC
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 4
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000143
Case Number: 01-0331
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAWG Br m05/25/1999

LUST:
Region: 2
Facility Status: Remedial action (cleanup) Underway
Facility Id: 01-0331
Case Number: 3812
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 3/20/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 12/1/1991
Preliminary Site Assesment Began: 6/20/1990
Pollution Characterization Began: 4/30/1989
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 1/2/1965
Date Post Remedial Action Monitoring Began: Not reported

CHEVRON (Continued) **S105030325**

Cortese:
Region: CORTESE
Facility Addr2: 1633 HARRISON ST

Region: CORTESE
Facility Addr2: 1633 HARRISON ST

CS:
Record Id: RO0000143
PE: 5602
Status: Pollution Characterization

Record Id: RO0000143
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0000143
PE: 5602
Status: Leak being confirmed

C14 **KAISER FOUNDATION HEALTH PLAN** **CA FID UST S101580341**
NW **1935 WEBSTER ST** **SWEEPS UST N/A**
1/8-1/4 **OAKLAND, CA 94512**
0.171 mi.
903 ft. **Site 3 of 4 in cluster C**

Relative:
Lower

Actual:
24 ft.

CA FID UST:
Facility ID: 01002528
Regulated By: UTNKA
Regulated ID: CAD982010
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 5109874050
Mail To: Not reported
Mailing Address: 1950 FRANKLIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94512
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Not reported
Comp Number: 2393
Number: Not reported
Board Of Equalization: 44-034540
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-002393-000001

KAISER FOUNDATION HEALTH PLAN (Continued) **S101580341**

Actv Date: Not reported
Capacity: 5000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 1

Status: A
Comp Number: 2393
Number: 1
Board Of Equalization: 44-034540
Ref Date: 07-13-92
Act Date: 03-12-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 01-000-002393-000002
Actv Date: 07-13-92
Capacity: 6000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 1

C15 **BLUE CROSS BUILDING** **HIST UST** **U001599553**
NW **1935 WEBSTER ST** **N/A**
1/8-1/4 **OAKLAND, CA 94659**
0.171 mi.
903 ft. **Site 4 of 4 in cluster C**

Relative: **Lower**

Actual: **24 ft.**

HIST UST:
Region: STATE
Facility ID: 00000002393
Facility Type: Other
Other Type: OFFICE BUILDING
Total Tanks: 0001
Contact Name: ED ZWOLENKIEWICZ
Telephone: 4156453608
Owner Name: BLUE CROSS OF CALIFORNIA
Owner Address: 1950 FRANKLIN ST.
Owner City,St,Zip: OAKLAND, CA 94659

Tank Num: 001
Container Num: 001
Year Installed: 1972
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

16 **LAKE POINT TOWERS LIMITED** **LUST** **S103890768**
SE **101 LAKESIDE DR** **Cortese** **N/A**
1/8-1/4 **OAKLAND, CA 94612**
0.175 mi.
924 ft.

Relative: **Lower**

Actual: **11 ft.**

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: F
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Structure Failure
Leak Source: Tank
Global Id: T0600100809
Stop Date: 1986-10-10 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1989-08-11 00:00:00
Discover Date: 1986-10-10 00:00:00
Enforcement Dt: Not reported
Release Date: 1986-10-10 00:00:00
Review Date: 1989-08-11 00:00:00
Enter Date: 1987-07-27 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: Yes
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: DH
Lead Agency: Regional Board
Local Agency: 01000L
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No

LAKE POINT TOWERS LIMITED (Continued) **S103890768**

Local Case #: 01-0876
Case Number: 01-0876
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: ARCHIVED 6/6/96 CONTROL NO 120-081 SRC 0904731

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-0876
Case Number: 01-0876
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 101 LAKESIDE DR

17
NW
1/8-1/4
0.186 mi.
983 ft.

Relative:
Lower

Actual:
18 ft.

MOBIL **LUST** **S102433477**
1975 WEBSTER ST **Cortese** **N/A**
OAKLAND, CA 94612 **CS**

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100411
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported

MOBIL (Continued) **S102433477**

Remed Action: Not reported
Monitoring: Not reported
Close Date: 1997-02-19 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1990-02-17 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: STEVE MITCHELL
RP Address: 285 HAMILTON AVE #325
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000564
Case Number: 01-0453
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3W Wi02/19/1997

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-0453
Case Number: 4212
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported

MOBIL (Continued) **S102433477**

Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 2/7/1992
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 7/14/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1975 WEBSTER ST

CS:
Record Id: RO0000564
PE: 5602
Status: Case Closed

D18 **PARKING LOT** **SLIC** **S108246040**
West **1750 WEBSTER** **N/A**
1/8-1/4 **OAKLAND, CA 94612**
0.189 mi.
998 ft. **Site 1 of 4 in cluster D**

Relative:
Higher

Actual:
34 ft.

SLIC:
Region: STATE
Global Id: T06019757905
Assigned Name: SLIC
Lead Agency Contact: LAWRENCE SETO
Lead Agency: ALAMEDA COUNTY LOP
Lead Agency Case Number: RO0002672
Responsible Party: Not reported
Recent Dtw: Not reported
Substance Released: 0
Facility Status: Case Closed

D19 **PARKING LOT** **CS** **S106784921**
West **1750 WEBSTER ST** **N/A**
1/8-1/4 **OAKLAND, CA 94612**
0.189 mi.
998 ft. **Site 2 of 4 in cluster D**

Relative:
Higher

Actual:
34 ft.

CS:
Record Id: RO0002672
PE: 5502
Status: Case Closed

D20 **DOUGLAS MOTOR SERVICE** **HIST UST** **U001599403**
West **1721 WEBSTER ST** **N/A**
1/8-1/4 **OAKLAND, CA 94612**
0.196 mi.
1033 ft. **Site 3 of 4 in cluster D**

Relative:
Higher

Actual:
34 ft.

HIST UST:
Region: STATE
Facility ID: 00000012214
Facility Type: Gas Station
Other Type: Not reported
Total Tanks: 0002
Contact Name: LELAND DOUGLAS
Telephone: 4154447412
Owner Name: DOUGLAS PARKING CO.
Owner Address: 1721 WEBSTER ST.
Owner City,St,Zip: OAKLAND, CA 94612

Tank Num: 001
Container Num: 001
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: 2
Tank Construction: Unkown centimeters
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 002
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

D21 **DOUGLAS PARKING COMPANY** **LUST** **S101624488**
West **1721 WEBSTER ST** **Cortese** **N/A**
1/8-1/4 **OAKLAND, CA 94612** **CA FID UST**
0.196 mi. **CS**
1033 ft. **Site 4 of 4 in cluster D** **SWEEPS UST**

Relative:
Higher

Actual:
34 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: OEFA
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100140
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1993-08-31 00:00:00
Workplan: 1993-12-16 00:00:00
Prelim Assess: 1994-03-10 00:00:00
Pollution Char: 1994-12-02 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1993-01-07 00:00:00
Enforcement Dt: Not reported
Release Date: 1993-08-31 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Pollution Characterization
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: LELAND DOUGLAS
RP Address: 1721 WEBSTER ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: DH
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 5
Cleanup Fund Id: Not reported
Work Suspended: Not reported

DOUGLAS PARKING COMPANY (Continued) **S101624488**

Local Case #: RO0000129
Case Number: 01-0151
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3,H,S,C,G,W 300 ppb of MTBE was detected in MW-2 on 8/98.11/24/199807/16/1997MTBE HAS NOT BEEN CONFIRMED BY 8260, IS LIKELY ND

LUST:
Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: 01-0151
Case Number: 4070
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: UNK
Date Leak Confirmed: 11/20/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 3/6/1995
Preliminary Site Assesment Began: 1/2/1965
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1721 WEBSTER ST

CA FID UST:
Facility ID: 01000637
Regulated By: UTNKI
Regulated ID: CAC000865
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 5104447412
Mail To: Not reported
Mailing Address: 1721 WEBSTER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

CS:
Record Id: RO0000129

DOUGLAS PARKING COMPANY (Continued) **S101624488**

PE: 5602
Status: Leak being confirmed

Record Id: RO0000129
PE: 5602
Status: Pollution Characterization

Record Id: RO0000129
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0000129
PE: 5602
Status: Preliminary site assessment workplan submitted

SWEEPS UST:
Status: Not reported
Comp Number: 67714
Number: Not reported
Board Of Equalization: 44-000754
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-067714-000001
Actv Date: Not reported
Capacity: 1000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: PRM UNLEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 67714
Number: Not reported
Board Of Equalization: 44-000754
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-067714-000002
Actv Date: Not reported
Capacity: 500
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 67714
Number: Not reported
Board Of Equalization: 44-000754
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported

DOUGLAS PARKING COMPANY (Continued) **S101624488**

Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-067714-000003
Actv Date: Not reported
Capacity: 500
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

22
NW
1/8-1/4
0.210 mi.
1108 ft.

Relative:
Lower

Actual:
16 ft.

LONGS DRUG STORE NO 386 **RCRA-SQG 1001023032**
344 20TH ST **FINDS CAR000003830**
OAKLAND, CA 94612

RCRA-SQG:
Date form received by agency: 06/26/1995
Facility name: LONGS DRUG STORE NO 386
Facility address: 344 20TH ST
OAKLAND, CA 94612
EPA ID: CAR000003830
Mailing address: PO BOX 5010
ANTIOCH, CA 945315010
Contact: KERRY HILTON
Contact address: PO BOX 5010
ANTIOCH, CA 945315010
Contact country: US
Contact telephone: (510) 832-8388
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: LONGS DRUG STORES CALIF INC
Owner/operator address: 141 N CIVIC DR
WALNUT CREEK, CA 94596
Owner/operator country: Not reported
Owner/operator telephone: (510) 937-1170
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown

LONGS DRUG STORE NO 386 (Continued) — **1001023032**

Furnace exemption:	Unknown
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No
Off-site waste receiver:	Commercial status unknown

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E23 — **BLUE CROSS BUILDING** — **HIST UST** — **U001599554**
NW — **1950 FRANKLIN ST** — **N/A**
1/8-1/4 — **OAKLAND, CA 94659**
0.247 mi.
1306 ft. — **Site 1 of 5 in cluster E**

Relative: Lower

Actual: 22 ft.

HIST UST:

Region:	STATE
Facility ID:	00000049084
Facility Type:	Other
Other Type:	OFFICE BUILDING
Total Tanks:	0001
Contact Name:	ED ZWOLENKIEWICZ
Telephone:	4156453608
Owner Name:	KAISER FOUNDATION HEALTH PLAN,
Owner Address:	3900 BROADWAY
Owner City,St,Zip:	OAKLAND, CA 94611
Tank Num:	001
Container Num:	001
Year Installed:	1972
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Tank Construction:	Not reported
Leak Detection:	Stock Inventor

E24 — **BLUE CROSS BUILDING** — **HAZNET** — **S101580387**
NW — **1950 FRANKLIN ST** — **CA FID UST** — **N/A**
1/8-1/4 — **OAKLAND, CA 94612** — **SWEEPS UST**
0.247 mi.
1306 ft. — **Site 2 of 5 in cluster E**

Relative: Lower

Actual: 22 ft.

HAZNET:

Gepaid:	CAD982010910
Contact:	KAISER PERMANENTE
Telephone:	5102715910
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip:	OAKLAND, CA 946123416
Gen County:	1
TSD EPA ID:	AZD049318009
TSD County:	99
Waste Category:	Liquids with chromium (VI) > 500 mg/l
Disposal Method:	Transfer Station
Tons:	.2293
Facility County:	1

Gepaid:	CAD982010910
Contact:	KAISER PERMANENTE
Telephone:	5102715910
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip:	OAKLAND, CA 946123416
Gen County:	1
TSD EPA ID:	CAD070148432
TSD County:	1
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Not reported
Tons:	1.5509
Facility County:	1

Gepaid:	CAD982010910
Contact:	KAISER PERMANENTE
Telephone:	5102715910
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip:	OAKLAND, CA 946123416
Gen County:	1
TSD EPA ID:	CAD070148432
TSD County:	1
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	12.9087
Facility County:	1

Gepaid:	CAD982010910
Contact:	KAISER PERMANENTE
Telephone:	5102715910
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip:	OAKLAND, CA 946123416

BLUE CROSS BUILDING (Continued) **S101580387**

Gen County: 1
TSD EPA ID: CAD990794133
TSD County: San Joaquin
Waste Category: Not reported
Disposal Method: Disposal, Land Fill
Tons: .0000
Facility County: 1

Gepaid: CAD982010910
Contact: KAISER PERMANENTE
Telephone: 5102715910
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1950 FRANKLIN ST, 12TH FLOOR
Mailing City,St,Zip: OAKLAND, CA 946123416
Gen County: 1
TSD EPA ID: CAD990794133
TSD County: San Joaquin
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 5.0568
Facility County: 1

Click this hyperlink while viewing on your computer to access
49 additional CA_HAZNET: record(s) in the EDR Site Report.

CA FID UST:
Facility ID: 01002721
Regulated By: UTNKA
Regulated ID: 00049084
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4159873283
Mail To: Not reported
Mailing Address: 1950 FRANKLIN ST
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 49084
Number: 9
Board Of Equalization: 44-000041
Ref Date: 03-14-91
Act Date: 03-14-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 01-000-049084-000001

BLUE CROSS BUILDING (Continued) **S101580387**

Actv Date: 03-14-91
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: 1

E25 **KAISER FNDN HLTH PLAN OFC BLDG** **RCRA-SQG 1000380364**
NW **1950 FRANKLIN ST** **FINDS CAD982010910**
1/8-1/4 **OAKLAND, CA 94612**
0.247 mi.
1306 ft. **Site 3 of 5 in cluster E**

Relative:
Lower

Actual:
22 ft.

RCRA-SQG:
Date form received by agency: 04/02/1990
Facility name: KAISER FNDN HLTH PLAN OFC BLDG
Facility address: 1950 FRANKLIN ST
OAKLAND, CA 94612
EPA ID: CAD982010910
Contact: JOHN L AHUNA
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (415) 987-2184
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: KAISER FNDN HLTH PLAN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown

KAISER FNDN HLTH PLAN OFC BLDG (Continued) **1000380364**

Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: Unknown
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: Unknown
Used oil processor: Unknown
User oil refiner: Unknown
Used oil fuel marketer to burner: Unknown
Used oil Specification marketer: Unknown
Used oil transfer facility: Unknown
Used oil transporter: Unknown
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 07/06/1987
Facility name: KAISER FNDN HLTH PLAN OFC BLDG
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

E26 **KAISER FOUNDATION HEALTH PLAN** **UST** **U003804772**
NW **1950 FRANKLIN ST** **N/A**
1/8-1/4 **OAKLAND, CA 94612**
0.247 mi.
1306 ft. **Site 4 of 5 in cluster E**

Relative:
Lower

Actual:
22 ft.

UST:
Local Agency: 01060
Facility ID: 129

E27 **KAISER REGIONAL PARKING** **Cortese** **S101306637**
NW **1901 FRANKLIN ST** **N/A**
1/8-1/4 **OAKLAND, CA**
0.248 mi.
1308 ft. **Site 5 of 5 in cluster E**

Relative:
Lower

Actual:
22 ft.

Cortese:
Region: CORTESE
Facility Addr2: 1901 FRANKLIN ST

28 **TOOTHMAN DEVELOPMENT** **LUST** **S102439162**
West **1736 FRANKLIN ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **CS**
0.260 mi.
1372 ft.

Relative:
Higher

Actual:
34 ft.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101552
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1996-11-15 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1989-12-20 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: JOHN TOOTHMAN
RP Address: 1736 FRANKLIN ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 4
Cleanup Fund Id: Not reported
Work Suspended: Not reported

TOOTHMAN DEVELOPMENT (Continued) **S102439162**

Local Case #: RO0001157
Case Number: 01-1679
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2SCA 411/15/1996

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1679
Case Number: 3743
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: 3/10/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1736 Franklin St

CS:
Record Id: RO0001157
PE: 5602
Status: Case Closed

29
WSW
1/4-1/2
0.261 mi.
1380 ft.

Relative:
Higher

Actual:
39 ft.

YWCA OF OAKLAND **LUST** **S102441463**
1515 WEBSTER ST **Cortese** **N/A**
OAKLAND, CA 94612 **CS**

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600102030
Stop Date: 9999-09-09 00:00:00

YWCA OF OAKLAND (Continued) **S102441463**

Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1997-03-24 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1996-06-14 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: LIN HARRIS
RP Address: 1515 WEBSTER ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000718
Case Number: 01-2211
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 03/24/1997

LUST:
Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: 01-2211

YWCA OF OAKLAND (Continued) **S102441463**

Case Number: 5702
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 6/15/1996
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 3/24/1997
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1515 Webster St

CS:
Record Id: RO0000718
PE: 5602
Status: Case Closed

F30 **ORDWAY BUILDING** **CA FID UST** **S101624557**
North **1 KAISER PLZ** **CS** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **SWEEPS UST**
0.264 mi.
1394 ft. **Site 1 of 2 in cluster F**

Relative:
Lower

Actual:
21 ft.

CA FID UST:
Facility ID: 01002628
Regulated By: UTNKA
Regulated ID: 00020220
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4152716182
Mail To: Not reported
Mailing Address: 1 KAISER PLZ
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94643
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CS:
Record Id: RO0000923
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: Not reported
Comp Number: 20220
Number: Not reported

ORDWAY BUILDING (Continued) **S101624557**

Board Of Equalization: 44-000262
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-020220-000001
Actv Date: Not reported
Capacity: 6000
Tank Use: OIL
Stg: PRODUCT
Content: OIL PRODUCT
Number Of Tanks: 1

F31 **ORDWAY THE** **RCRA-SQG** **1000435876**
North **ONE KAISER PLAZA** **FINDS** **CAD981655681**
1/4-1/2 **OAKLAND, CA 94612** **HAZNET**
0.264 mi. **LUST**
1394 ft. **Site 2 of 2 in cluster F** **Cortese**

Relative:
Lower

Actual:
21 ft.

RCRA-SQG:
Date form received by agency: 03/13/1990
Facility name: ORDWAY THE
Site name: ORDWAY ASSOCIATES JMB GROUP TRUST II
Facility address: ONE KAISER PLAZA, STE 275
OAKLAND, CA 94612
EPA ID: CAD981655681
Contact: JENNEL C KENEL
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (415) 271-0100
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ORDWAY ASSOCIATES
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212

ORDWAY THE (Continued) **1000435876**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: Unknown
Transporter of hazardous waste: Unknown
Treater, storer or disposer of HW: No
Underground injection activity: Unknown
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: Unknown
Used oil processor: Unknown
User oil refiner: Unknown
Used oil fuel marketer to burner: Unknown
Used oil Specification marketer: Unknown
Used oil transfer facility: Unknown
Used oil transporter: Unknown
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 09/17/1986
Facility name: ORDWAY THE
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAD981655681
Contact: Not reported
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: C/O KENNEDY-WILSON PROP LTD 9601 WILSHIR
Mailing City,St,Zip: BEVERLY HILLS, CA 902103610
Gen County: 1
TSD EPA ID: CAT080014079
TSD County: 7
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .4214
Facility County: 1

ORDWAY THE (Continued) **1000435876**

Gepaid: CAD981655681
Contact: S IRA GROSSMAN
Telephone: 3108876400
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9601 WILSHIRE BLVD
Mailing City,St,Zip: BEVERLY HILLS, CA 902103610
Gen County: Alameda
TSD EPA ID: CAD981382732
TSD County: Alameda
Waste Category: Not reported
Disposal Method: Disposal, Land Fill
Tons: 219.12
Facility County: Not reported

Gepaid: CAL912184812
Contact: ROBERT MATTOCH DIRECT MKTG
Telephone: 4157775965
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 665 3RD ST_STE 400
Mailing City,St,Zip: SAN FRANCISCO, CA 941070000
Gen County: San Francisco
TSD EPA ID: CAD981402522
TSD County: Kern
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0208
Facility County: San Francisco

Gepaid: CAL912184812
Contact: ROBERT MATTOCH DIRECT MKTG
Telephone: 4157775965
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 665 3RD ST_STE 400
Mailing City,St,Zip: SAN FRANCISCO, CA 941070000
Gen County: San Francisco
TSD EPA ID: KSD980633259
TSD County: 99
Waste Category: Unspecified organic liquid mixture
Disposal Method: Not reported
Tons: .2285
Facility County: San Francisco

Gepaid: CAD981655681
Contact: S IRA GROSSMAN
Telephone: 3108876400
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 9601 WILSHIRE BLVD
Mailing City,St,Zip: BEVERLY HILLS, CA 902103610
Gen County: Alameda
TSD EPA ID: Not reported
TSD County: Alameda
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill

ORDWAY THE (Continued) **1000435876**

Tons: 1.26
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
38 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101658
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-07-08 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1992-02-27 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: JOHN SPROTT
RP Address: 1 KAISER PLAZA
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: TP
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6

ORDWAY THE (Continued) **1000435876**

Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000923
Case Number: 01-1790
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2HSCAWG 07/08/1994

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1790
Case Number: 1220
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1 Kaiser Plaza

32
West
1/4-1/2
0.270 mi.
1425 ft.

Relative:
Higher

Actual:
35 ft.

PACIFIC BELL **HAZNET** **U003659439**
1587 FRANKLIN ST **LUST** **N/A**
OAKLAND, CA 94612 **Cortese**
CS

HAZNET:
Gepaid: CAT080015449
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: 1
TSD EPA ID: CAD981388952
TSD County: Shasta
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 32.6578
Facility County: 1

PACIFIC BELL (Continued) **U003659439**

Gepaid: CAT080015449
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: 1
TSD EPA ID: CAL000027741
TSD County: 5
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 17.6988
Facility County: 1

Gepaid: CAT080015449
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: 1
TSD EPA ID: CAT000027741
TSD County: 0
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 5.0483
Facility County: 1

Gepaid: CAT080015449
Contact: SHARON BAYLE/STAFF ASSOC
Telephone: 9258675741
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 5095 RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: Alameda
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 0.01
Facility County: Not reported

Gepaid: CAT080015449
Contact: PACIFIC BELL
Telephone: 9258236161
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: RM 3E000
Mailing City,St,Zip: SAN RAMON, CA 945830995
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler

PACIFIC BELL (Continued) **U003659439**

Tons: .2919
Facility County: 1

Click this hyperlink while viewing on your computer to access
23 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101576
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-11-23 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1992-07-31 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: JOHN CARILLO
RP Address: 1587 FRANKLIN ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: TP
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6

PACIFIC BELL (Continued) **U003659439**

Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000897
Case Number: 01-1705
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2HSCA Ca11/23/1994

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1705
Case Number: 3986
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 7/15/1993
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 5/1/1992
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 9/11/1992
Date Post Remedial Action Monitoring Began: 7/20/1993

Cortese:
Region: CORTESE
Facility Addr2: 1587 Franklin St

CS:
Record Id: RO0000897
PE: 5602
Status: Case Closed

G33 **A BACHARACH TR & B BORSUK** **LUST** **S101624491**
SW **1432 HARRISON ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **CA FID UST**
0.276 mi. **CS**
1457 ft. **Site 1 of 5 in cluster G** **SWEEPS UST**

Relative:
Higher

Actual:
38 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown

A BACHARACH TR & B BORSUK (Continued) **S101624491**

Global Id: T0600100682
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1994-02-22 00:00:00
Workplan: 1994-04-08 00:00:00
Prelim Assess: 1995-02-10 00:00:00
Pollution Char: 1994-09-01 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1990-08-18 00:00:00
Enforcement Dt: Not reported
Release Date: 1990-08-21 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Preliminary site assessment underway
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: MARK BORSUK
RP Address: 1721 WEBSTER ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: DH
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 4
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000266
Case Number: 01-0739
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAW

LUST:
Region: 2

A BACHARACH TR & B BORSUK (Continued) **S101624491**

Facility Status: Pollution Characterization
Facility Id: 01-0739
Case Number: 498
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 2/15/1991
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: 6/16/1998
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1432 HARRISON ST

CA FID UST:
Facility ID: 01000866
Regulated By: UTNKA
Regulated ID: 00067715
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154447412
Mail To: Not reported
Mailing Address: 1721 WEBSTER ST
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CS:
Record Id: RO0000266
PE: 5602
Status: Leak being confirmed

Record Id: RO0000266
PE: 5602
Status: Preliminary site assessment workplan submitted

Record Id: RO0000266
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0000266
PE: 5602
Status: Pollution Characterization

A BACHARACH TR & B BORSUK (Continued) **S101624491**

SWEEPS UST:
Status: A
Comp Number: 67715
Number: 9
Board Of Equalization: 44-000755
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 01-000-067715-000001
Actv Date: 07-01-85
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: A
Comp Number: 67715
Number: 9
Board Of Equalization: 44-000755
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5
Swrcb Tank Id: 01-000-067715-000002
Actv Date: 07-01-85
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 67715
Number: 9
Board Of Equalization: 44-000755
Ref Date: 07-01-85
Act Date: Not reported
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 6
Swrcb Tank Id: 01-000-067715-000003
Actv Date: 07-01-85
Capacity: 1000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

H34 **QUALITY TUNE UP** **LUST** **S102435544**
SSW **246 14TH ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **CS**
0.280 mi.
1479 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
38 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101884
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1995-04-05 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1991-12-11 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: DENIS BROWN
RP Address: HARRISON ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported

QUALITY TUNE UP (Continued) **S102435544**

Local Case #: RO0000601
Case Number: 01-2039
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2SCA 04/05/1995

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-2039
Case Number: 1098
How Discovered: OM
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 246 14TH ST

CS:
Record Id: RO0000601
PE: 5602
Status: Case Closed

H35 **TIME OIL COMPANY** **Cortese** **S102439119**
SSW **255 14TH** **N/A**
1/4-1/2 **OAKLAND, CA**
0.281 mi.
1485 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
38 ft.

Cortese:
Region: CORTESE
Facility Addr2: Not reported

36
SSW
1/4-1/2
0.283 mi.
1493 ft.

Relative:
Higher

Actual:
35 ft.

KRISTICH MONTEREY PIPE CO
190 14TH
OAKLAND, CA 94612

Database(s): HAZNET, Cortese, DRYCLEANERS
EDR ID Number: S104574470
EPA ID Number: N/A

HAZNET:

Gepaid:	CAD981966088
Contact:	Not reported
Telephone:	0000000000
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	190 14TH ST
Mailing City,St,Zip:	OAKLAND, CA 946120000
Gen County:	1
TSD EPA ID:	CAD981397417
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Recycler
Tons:	.0000
Facility County:	1

Gepaid:	CAD981966088
Contact:	Not reported
Telephone:	0000000000
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	190 14TH ST
Mailing City,St,Zip:	OAKLAND, CA 946120000
Gen County:	1
TSD EPA ID:	CAD981397417
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Recycler
Tons:	.5268
Facility County:	1

Gepaid:	CAD981966088
Contact:	Not reported
Telephone:	0000000000
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	190 14TH ST
Mailing City,St,Zip:	OAKLAND, CA 946120000
Gen County:	1
TSD EPA ID:	CAD981397417
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Recycler
Tons:	.6321
Facility County:	1

Gepaid:	CAD981966088
Contact:	Not reported
Telephone:	0000000000
Facility Addr2:	Not reported
Mailing Name:	Not reported

KRISTICH MONTEREY PIPE CO (Continued) S104574470

Mailing Address:	190 14TH ST
Mailing City,St,Zip:	OAKLAND, CA 946120000
Gen County:	1
TSD EPA ID:	CAD981397417
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Recycler
Tons:	.0000
Facility County:	1

Click this hyperlink while viewing on your computer to access
-1 additional CA_HAZNET: record(s) in the EDR Site Report.

Cortese:

Region:	CORTESE
Facility Addr2:	Not reported

CLEANERS:

EPA Id:	CAD981966088
NAICS Code:	Not reported
NAICS Description:	Not reported
Create Date:	7/3/1987
Facility Active:	No
Inactive Date:	6/30/2004
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	190 14TH ST
Mailing Address 2:	Not reported
Mailing State:	CA
Mailing Zip:	946120000
Region Code:	2
Owner Name:	B&T ONE HOUR CLEANER
Owner Address:	190 14TH ST
Owner Address 2:	Not reported
Owner Telephone:	Not reported
Owner Fax Number:	Not reported
Contact Name:	CANCELLED BY TERI CHEN ON 2-27
Contact Address:	1995 HJ
Contact Address 2:	Not reported
Contact Telephone:	5108325526
Contact Fax Number:	Not reported
SIC Description:	Not reported

G37
SW
1/4-1/2
0.297 mi.
1566 ft.

Site 2 of 5 in cluster G

Relative:
Higher

Actual:
39 ft.

HARRISON CAR WASH
301 14TH ST
OAKLAND, CA 94612

Database(s): HIST UST, CS
EDR ID Number: U001599406
EPA ID Number: N/A

HIST UST:

Region:	STATE
Facility ID:	00000008311
Facility Type:	Gas Station
Other Type:	Not reported
Total Tanks:	0003
Contact Name:	ROBERT S. PATTERSON
Telephone:	4158350779

HARRISON CAR WASH (Continued) **U001599406**

Owner Name: ROBERT S. PATTERSON
Owner Address: 301 14TH ST.
Owner City,St,Zip: OAKLAND, CA 94612

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

CS:
Record Id: RO0000290
PE: 5602
Status: Leak being confirmed

Record Id: RO0000290
PE: 5602
Status: Case Closed

Record Id: RO0000290
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0000290
PE: 5602
Status: Pollution Characterization

G38 **CHEVRON** **LUST** **S105030453**
SW **301 14TH ST** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.297 mi.
1566 ft. **Site 3 of 5 in cluster G**

Relative:
Higher

Actual:
39 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100327
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1990-06-21 00:00:00
Workplan: Not reported
Prelim Assess: 1991-06-13 00:00:00
Pollution Char: 1991-06-13 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 2005-09-30 00:00:00
Discover Date: 1990-06-15 00:00:00
Enforcement Dt: Not reported
Release Date: 1990-06-21 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: PETER IWATE
RP Address: 795 FOLSOM ST., 1ST FLOOR
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: BC
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported

CHEVRON (Continued) **S105030453**

Local Case #: RO0000290
Case Number: 01-0355
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3WHSACG Transferred to PE 1/20/98. They began dual vacuum extraction t01/14/199806/09/1994. ND FOR MTBE

LUST:
Region: 2
Facility Status: Pollution Characterization
Facility Id: 01-0355
Case Number: 478
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 6/25/1990
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 7/25/1990
Pollution Characterization Began: 2/12/1992
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

G39 **GERMAN AUTOCRAFT** **Cortese** **S105030720**
SW **301 14TH** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.297 mi.
1566 ft. **Site 4 of 5 in cluster G**

Relative:
Higher

Actual:
39 ft.

Cortese:
Region: CORTESE
Facility Addr2: Not reported

Region: CORTESE
Facility Addr2: Not reported

G40 **CHEVRON** **Cortese** **S105030452**
SW **301 14TH ST E** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.297 mi.
1566 ft. **Site 5 of 5 in cluster G**

Relative:
Higher

Actual:
39 ft.

Cortese:
Region: CORTESE
Facility Addr2: 301 14TH ST E

Region: CORTESE
Facility Addr2: 301 14TH ST E

I41 **MOBIL #10-MHG** **LUST** **S108244441**
South **160 14TH** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.297 mi.
1570 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
33 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: PS
How Stopped: Close Tank
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T06019782296
Stop Date: 1967-01-01 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: 2001-07-23 00:00:00
Pollution Char: 2001-07-23 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 2001-08-06 00:00:00
Enforcement Dt: Not reported
Release Date: 2006-04-27 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Pollution Characterization
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: UNK2600 UNK2600
RP Address: 4096 PIEDMONT AVE #194
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: SP
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported

MOBIL #10-MHG (Continued) **S108244441**

Local Case #: RO0002922
Case Number: Not reported
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

I42
South
1/4-1/2
0.297 mi.
1570 ft.

Relative:
Higher

Actual:
33 ft.

MOBIL **Cortese S102433469**
160 14TH ST **CS N/A**
OAKLAND, CA

Site 2 of 2 in cluster I

Cortese:
Region: CORTESE
Facility Addr2: 160 14TH ST

CS:
Record Id: RO0002922
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0002922
PE: 5602
Status: Pollution Characterization

43
West
1/4-1/2
0.306 mi.
1618 ft.

Relative:
Higher

Actual:
38 ft.

PACIFIC BELL **RCRA-SQG 1000250819**
1519 FRANKLIN STREET **FINDS CAT080015431**
OAKLAND, CA 94612 **HAZNET**
LUST
Cortese
CA FID UST
HIST UST
CS
SWEEPS UST

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: PACIFIC BELL
Facility address: 1519 FRANKLIN STREET
OAKLAND, CA 94612
EPA ID: CAT080015431
Mailing address: 220 MONTGOMERY STREET RM 1051
SAN FRANCISCO, CA 94104
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09

PACIFIC BELL (Continued) **1000250819**

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: THE PACIFIC TEL & TEL COMPANY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 01/09/1981
Facility name: PACIFIC BELL
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

PACIFIC BELL (Continued) **1000250819**

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid:	CAT080015431
Contact:	PACIFIC BELL
Telephone:	9258236161
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	RM 3E000
Mailing City,St,Zip:	SAN RAMON, CA 945830995
Gen County:	1
TSD EPA ID:	CAD083166728
TSD County:	Stanislaus
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Not reported
Tons:	12.5100
Facility County:	1

Gepaid:	CAT080015431
Contact:	PACIFIC BELL
Telephone:	9258236161
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	RM 3E000
Mailing City,St,Zip:	SAN RAMON, CA 945830995
Gen County:	1
TSD EPA ID:	CAD083166728
TSD County:	Stanislaus
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	5.4210
Facility County:	1

Gepaid:	CAT080015431
Contact:	PACIFIC BELL
Telephone:	9258236161
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	RM 3E000
Mailing City,St,Zip:	SAN RAMON, CA 945830995
Gen County:	1
TSD EPA ID:	CAL000027741
TSD County:	5
Waste Category:	Asbestos-containing waste
Disposal Method:	Disposal, Land Fill
Tons:	21.0700
Facility County:	1

Gepaid:	CAT080015431

PACIFIC BELL (Continued) **1000250819**

Contact:	PACIFIC BELL
Telephone:	9258236161
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	RM 3E000
Mailing City,St,Zip:	SAN RAMON, CA 945830995
Gen County:	1
TSD EPA ID:	CAD083166728
TSD County:	Stanislaus
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	11.4883
Facility County:	1

Gepaid:	CAT080015431
Contact:	PACIFIC BELL
Telephone:	9258236161
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	RM 3E000
Mailing City,St,Zip:	SAN RAMON, CA 945830995
Gen County:	1
TSD EPA ID:	CAL000027741
TSD County:	5
Waste Category:	Asbestos-containing waste
Disposal Method:	Disposal, Land Fill
Tons:	40.4544
Facility County:	1

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:

Region:	STATE
Case Type:	Other ground water affected
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global Id:	T0600101781
Stop Date:	9999-09-09 00:00:00
Confirm Leak:	Not reported
Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	1998-10-07 00:00:00
Discover Date:	9999-09-09 00:00:00
Enforcement Dt:	Not reported
Release Date:	1994-06-06 00:00:00
Review Date:	Not reported
Enter Date:	Not reported

PACIFIC BELL (Continued) **1000250819**

MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: DUANE WALLACE
RP Address: 2600 CAMINO RAMON 3E4001
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: ML
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000832
Case Number: 01-1921
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAW 10/07/1998

LUST:
Region: 2
Facility Status: Post remedial action monitoring
Facility Id: 01-1921
Case Number: 4871
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: 6/21/1994
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: 2/27/1998
Date Post Remedial Action Monitoring Began: 1/2/1965

PACIFIC BELL (Continued) **1000250819**

Cortese:
Region: CORTESE
Facility Addr2: 1519 Franklin St

CA FID UST:
Facility ID: 01002234
Regulated By: UTNKI
Regulated ID: 00057566
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4155426758
Mail To: Not reported
Mailing Address: 370 003RD ST
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST UST:
Region: STATE
Facility ID: 00000057566
Facility Type: Other
Other Type: SIC 4800
Total Tanks: 0001
Contact Name: E.J. KOEHLER
Telephone: 4155426758
Owner Name: PACIFIC BELL
Owner Address: 370 THIRD STREET
Owner City,St,Zip: SAN FRANCISCO, CA 94107

Tank Num: 001
Container Num: 1
Year Installed: 1964
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: None

CS:
Record Id: RO0000832
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: Not reported
Comp Number: 57566
Number: Not reported
Board Of Equalization: 44-000558
Ref Date: Not reported

PACIFIC BELL (Continued) **1000250819**

Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-057566-000001
Actv Date: Not reported
Capacity: 1000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 1

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44 **OAKLAND AREA HOSPITAL SITE** **FUDS** **1007211913**
SSW **N/A**
1/4-1/2 **OAKLAND, CA**
0.311 mi.
1640 ft.

Relative:
Higher

Actual:
38 ft.

FUDS:
Federal Facility ID: CA9799F5811
FUDS #: J09CA0886
Facility Name: Oakland Area Hospital Site
City: OAKLAND
State: CA
EPA Region: 9
County: ALAMEDA
Congressional District: 09
US Army District: Sacramento District (SPK)
Fiscal Year: 2006
Telephone: 916-557-7461
NPL Status: Not Listed
RAB: Not reported
CTC: 821.70
Current Owner: PRIVATE
Current Prog: Not reported
Future Prog: Not reported

FUDS Description Details:

The 4.259-acre site is located in Alameda County, CA within the city of Oakland. The Hotel Oakland (former Army Hospital building) has been renovated several times since Department of Defense (DoD) activity was terminated. Current owners of the assoc
ciated parcels include Hotel Oakland Associates, ICH Associates, and four private owners.

FUDS History Details:

In 1943, the U.S. acquired 12 leases for a total of 4.259 acres. The site was used as a station hospital by the U.S. Army Medical Corps. In 1946, 1.377 acres were transferred to the Veterans Administration (VA). In 1947, the remaining acres were tran
nsferred to the VA. No potential hazards have been identified at this site.

45 **EMPORIUM CAPWELL** **CS** **S106661071**
NW **0 20TH ST / BROADWAY** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.325 mi.
1715 ft.

Relative:
Lower

Actual:
20 ft.

CS:
Record Id: RO0000545
PE: 5602
Status: Case Closed

J46 **FRANK G MAR COMMUNITY HOUSING** **CS** **S106784884**
SW **283 13TH ST** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.341 mi.
1799 ft. **Site 1 of 2 in cluster J**

Relative:
Higher

Actual:
39 ft.

CS:
Record Id: RO0002829
PE: 5502
Status: Case Closed

Record Id: RO0002829
PE: 5502
Status: Pollution Characterization

J47 **FRANK G MAR COMMUNITY HOUSING** **SLIC** **S108245971**
SW **283 13TH** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.341 mi.
1799 ft. **Site 2 of 2 in cluster J**

Relative:
Higher

Actual:
39 ft.

SLIC:
Region: STATE
Global Id: T06019767396
Assigned Name: SLIC
Lead Agency Contact: PAUL SMITH
Lead Agency: ALAMEDA COUNTY LOP
Lead Agency Case Number: RO0002829
Responsible Party: FIRST2503 LAST2503
Recent Dtw: Not reported
Substance Released: 109999,71556
Facility Status: **Case Closed**

K48 **ALCOPARK GARAGE** **LUST** **U001599399**
South **165 13TH ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **UST**
0.352 mi. **HIST UST**
1857 ft. **Site 1 of 2 in cluster K** **SWEEPS UST**

Relative:
Higher

Actual:
33 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM

ALCOPARK GARAGE (Continued) **U001599399**

How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100049
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1994-08-10 00:00:00
Workplan: 1998-01-15 00:00:00
Prelim Assess: 1998-03-09 00:00:00
Pollution Char: 1998-04-17 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1994-06-29 00:00:00
Enforcement Dt: Not reported
Release Date: 1994-08-10 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Pollution Characterization
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: COUNTY ADMINISTRATOR
RP Address: 1221 OAK ST #536
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: SP
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 5
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000401
Case Number: 01-0055
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAWG 5,800ppb MTBE (1/18/00). Approx 1,200' from Lake

ALCOPARK GARAGE (Continued) **U001599399**

Merritt,04/20/1999

LUST:
Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: 01-0055
Case Number: 3909
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 8/10/1990
Preliminary Site Assesment Began: 8/19/1990
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 165 13TH ST

UST:
Local Agency: 01060
Facility ID: 179

HIST UST:
Region: STATE
Facility ID: 00000027246
Facility Type: Other
Other Type: COUNTY GARAGE
Total Tanks: 0005
Contact Name: Not reported
Telephone: 4158746340
Owner Name: COUNTY OF ALAMEDA
Owner Address: 440- MACARTHUR BOULEVARD
Owner City,St,Zip: OAKLAND, CA 94619

Tank Num: 001
Container Num: 20-1
Year Installed: 1962
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 20-2
Year Installed: 1962
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported

ALCOPARK GARAGE (Continued) **U001599399**

Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 20-3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 20-4
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 20-5
Year Installed: 1962
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

SWEEPS UST:
Status: A
Comp Number: 27246
Number: 5
Board Of Equalization: 44-000324
Ref Date: 03-08-91
Act Date: 03-08-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1921-1
Swrcb Tank Id: 01-000-027246-000001
Actv Date: 03-08-91
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: 7

Status: A
Comp Number: 27246
Number: 5
Board Of Equalization: 44-000324
Ref Date: 03-08-91
Act Date: 03-08-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1921-2
Swrcb Tank Id: 01-000-027246-000002

ALCOPARK GARAGE (Continued) **U001599399**

Actv Date: 03-08-91
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 27246
Number: 5
Board Of Equalization: 44-000324
Ref Date: 03-08-91
Act Date: 03-08-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1921-3
Swrcb Tank Id: 01-000-027246-000003
Actv Date: 03-08-91
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: LEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 27246
Number: 5
Board Of Equalization: 44-000324
Ref Date: 03-08-91
Act Date: 03-08-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1921-4
Swrcb Tank Id: 01-000-027246-000004
Actv Date: 03-08-91
Capacity: 8000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 27246
Number: 5
Board Of Equalization: 44-000324
Ref Date: 03-08-91
Act Date: 03-08-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1921-5
Swrcb Tank Id: 01-000-027246-000005
Actv Date: 03-08-91
Capacity: 550
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: Not reported

ALCOPARK GARAGE (Continued) **U001599399**

Status: A
Comp Number: 27246
Number: 5
Board Of Equalization: 44-000324
Ref Date: 03-08-91
Act Date: 03-08-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1921-6
Swrcb Tank Id: 01-000-027246-000006
Actv Date: 03-08-91
Capacity: 225
Tank Use: OIL
Stg: P
Content: TRANSMISSION
Number Of Tanks: Not reported

Status: A
Comp Number: 27246
Number: 5
Board Of Equalization: 44-000324
Ref Date: 03-08-91
Act Date: 03-08-91
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 1921-7
Swrcb Tank Id: 01-000-027246-000007
Actv Date: 03-08-91
Capacity: 250
Tank Use: OIL
Stg: P
Content: MOTOR OIL
Number Of Tanks: Not reported

K49 **ALCO PARK GARAGE** **CS** **S105871067**
South **165 13TH ST** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.352 mi.
1857 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
33 ft.

CS:
Record Id: RO0000401
PE: 5602
Status: Preliminary site assessment workplan submitted

Record Id: RO0000401
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0000401
PE: 5602
Status: Pollution Characterization

Record Id: RO0000401
PE: 5602
Status: Leak being confirmed

50 **CHEVRON** **LUST** **S101624464**
NNE **210 GRAND AVE** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94610** **CA FID UST**
0.353 mi. **CS**
1864 ft. **SWEEPS UST**

Relative:
Lower

Actual:
9 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100313
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 1989-03-14 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1990-06-27 00:00:00
Enforcement Dt: Not reported
Release Date: 1991-08-01 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Pollution Characterization
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: MARK INGLIS
RP Address: 6001 BOLLINGER CANYON RD K2256 PO BOX 6012
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: BC
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 5
Cleanup Fund Id: Not reported
Work Suspended: Not reported

CHEVRON (Continued) **S101624464**

Local Case #: RO0000137
Case Number: 01-0341
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAWG MTBE=530ppb@25' m05/25/1999

LUST:
Region: 2
Facility Status: Remedial action (cleanup) Underway
Facility Id: 01-0341
Case Number: 1110
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 3/31/1989
Pollution Characterization Began: 6/1/1989
Pollution Remediation Plan Submitted: 4/15/1992
Date Remediation Action Underway: 1/2/1965
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 210 GRAND AVE

CA FID UST:
Facility ID: 01000472
Regulated By: UTNKI
Regulated ID: 00061687
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4158343200
Mail To: Not reported
Mailing Address: 210 GRAND AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94610
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

CS:
Record Id: RO0000137

CHEVRON (Continued) **S101624464**

PE: 5602
Status: Pollution Characterization

SWEEPS UST:
Status: Not reported
Comp Number: 61687
Number: Not reported
Board Of Equalization: 44-000634
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-061687-000001
Actv Date: Not reported
Capacity: 850
Tank Use: UNKNOWN
Stg: WASTE
Content: Not reported
Number Of Tanks: 4

Status: Not reported
Comp Number: 61687
Number: Not reported
Board Of Equalization: 44-000634
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-061687-000002
Actv Date: Not reported
Capacity: 10000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 61687
Number: Not reported
Board Of Equalization: 44-000634
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-061687-000003
Actv Date: Not reported
Capacity: 10000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 61687

CHEVRON (Continued) **S101624464**

Number: Not reported
Board Of Equalization: 44-000634
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-061687-000004
Actv Date: Not reported
Capacity: 10000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

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51 **OAKLAND GALLERIA PROJECT CITY OF** **SLIC** **S103881519**
WNW **UNKNOWN 19TH / BROADWAY** **N/A**
1/4-1/2 **OAKLAND, CA 94607**
0.355 mi.
1873 ft.

Relative:
Higher

Actual:
27 ft.

SLIC:
Region: STATE
Global Id: SLT2O139145
Assigned Name: SLICSITE
Lead Agency Contact: Not reported
Lead Agency: Not reported
Lead Agency Case Number: Not reported
Responsible Party: A
Recent Dtw: Not reported
Substance Released: Not reported
Facility Status: Not reported

SLIC:
Region: 2
Facility ID: SLT2O139145
Facility Status: Leak being confirmed
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

L52 **LAKE MERRITT TOWERS** **LUST** **S106163084**
North **UNKNOWN VALDEZ / GRAND AVE** **SLIC** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.359 mi.
1898 ft. **Site 1 of 4 in cluster L**

Relative:
Lower

Actual:
23 ft.

LUST:
Region: STATE
Case Type: Undefined
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global Id: T0600191530
Stop Date: Not reported
Confirm Leak: 1985-07-14 00:00:00
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Release Date: 1983-07-14 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Leak being confirmed
Chemical: Solvents
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: Not reported
Oversight Prgm: Spills, Leaks, Investigations and Cleanup UST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: Not reported
Lead Agency: Regional Board
Local Agency: Not reported
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No

LAKE MERRITT TOWERS (Continued) **S106163084**

Local Case #: Not reported
Case Number: 01S0369
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

SLIC:
Region: 2
Facility ID: 01S0369
Facility Status: Leak being confirmed
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Confirmed: 7/14/1985
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

L53 **LAKE MERRITT TOWERS I & II** **HAZNET S103472351**
North **155 GRAND AVE** **LUST N/A**
1/4-1/2 **OAKLAND, CA 94612** **CS**
0.359 mi.
1898 ft. **Site 2 of 4 in cluster L**

Relative:
Lower

Actual:
23 ft.

HAZNET:
Gepaid: CAL000255861
Contact: BERNIE MCCABE
Telephone: 5102684022
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1 KAISER PLAZA STE 301
Mailing City,St,Zip: OAKLAND, CA 946120000
Gen County: Alameda
TSD EPA ID: Not reported
TSD County: Santa Clara
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.12
Facility County: Not reported

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported

LAKE MERRITT TOWERS I & II (Continued) **S103472351**

How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100808
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-07-08 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1990-11-05 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Waste Oil
Contact Person: Not reported
Responsible Party: RICHARD BELYEA
RP Address: 4900 RIVERGRADE RD, BLDG 515/E1
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: ML
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000689
Case Number: 01-0875
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LAKE MERRITT TOWERS I & II (Continued) **S103472351**

Summary: LUFT Con. LC 3 Sh07/08/1994

LUST:
- Region: 2
- Facility Status: Case Closed
- Facility Id: 01-0875
- Case Number: 3711
- How Discovered: Tank Closure
- Leak Cause: Structure Failure
- Leak Source: Tank
- Date Leak Confirmed: Not reported
- Oversight Program: LUST
- Prelim. Site Assesment Wokplan Submitted: 3/21/1991
- Preliminary Site Assesment Began: 3/19/1991
- Pollution Characterization Began: Not reported
- Pollution Remediation Plan Submitted: Not reported
- Date Remediation Action Underway: Not reported
- Date Post Remedial Action Monitoring Began: Not reported

CS:
- Record Id: RO0000689
- PE: 5602
- Status: Case Closed

L54 **LAKE MERRITT TOWERS I & I** **Cortese** **S102432462**
North **155 GRAND** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.359 mi.
1898 ft. **Site 3 of 4 in cluster L**

Relative: **Lower**

Actual: **23 ft.**

Cortese:
- Region: CORTESE
- Facility Addr2: Not reported

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55 **EMPORIUM CAPWELL** **Cortese** **S105025326**
NW **20TH / BROADWAY** **N/A**
1/4-1/2 **OAKLAND, CA 94607**
0.369 mi.
1950 ft.

Relative: **Lower**

Actual: **20 ft.**

Cortese:
- Region: CORTESE
- Facility Addr2: 20th & Broadway

56 **FINANCIAL CENTER BUILDING** **HAZNET** **S103177071**
WSW **405 14TH ST** **LUST** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **Cortese**
0.375 mi. **CS**
1981 ft.

Relative: **Higher**

Actual: **41 ft.**

HAZNET:
- Gepaid: CAC002282249
- Contact: J BRAD LAMPLEY
- Telephone: 5108391744
- Facility Addr2: Not reported
- Mailing Name: Not reported
- Mailing Address: 1814 FRANKLIN ST
- Mailing City,St,Zip: OAKLAND, CA 946120000
- Gen County: 1
- TSD EPA ID: CAL000190080
- TSD County: San Joaquin
- Waste Category: Asbestos-containing waste
- Disposal Method: Disposal, Land Fill
- Tons: .8428
- Facility County: 1

- Gepaid: CAC002603983
- Contact: ANTOINETTE SULLIVAN
- Telephone: 5108391744
- Facility Addr2: Not reported
- Mailing Name: Not reported
- Mailing Address: 405 14TH ST
- Mailing City,St,Zip: OAKLAND, CA 946120000
- Gen County: Alameda
- TSD EPA ID: CAD981382732
- TSD County: Alameda
- Waste Category: Asbestos-containing waste
- Disposal Method: Disposal, Land Fill
- Tons: 1.68
- Facility County: 1

- Gepaid: CAC002282249
- Contact: ANTOINETTE SULLIVAN
- Telephone: 5108391744
- Facility Addr2: Not reported
- Mailing Name: Not reported
- Mailing Address: 1814 FRANKLIN ST
- Mailing City,St,Zip: OAKLAND, CA 946120000
- Gen County: Alameda
- TSD EPA ID: CAD981382732
- TSD County: Alameda
- Waste Category: Asbestos-containing waste
- Disposal Method: Disposal, Land Fill
- Tons: 0.84
- Facility County: 1

LUST:
- Region: STATE
- Case Type: Soil only
- Cross Street: Not reported
- Enf Type: Not reported
- Funding: Not reported
- How Discovered: OM

FINANCIAL CENTER BUILDING (Continued) **S103177071**

How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600102096
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1998-04-03 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1997-03-10 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: PHIL TAGAMI
RP Address: 600 GRAND AVE #404
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: PE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 9
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000757
Case Number: 01-2280
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 04/03/1998

FINANCIAL CENTER BUILDING (Continued) **S103177071**

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-2280
Case Number: 6331
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 3/27/1998

Cortese:
Region: CORTESE
Facility Addr2: 405 14th St

CS:
Record Id: RO0000757
PE: 5602
Status: Case Closed

L57 **CROWLEY MARITIME CORP.** **Notify 65** **S100179670**
North **PAC. DRY DOCK YARDS 1 / 2** **N/A**
1/4-1/2 **OAKLAND, CA 92626**
0.376 mi.
1985 ft. **Site 4 of 4 in cluster L**

Relative:
Lower

Actual:
22 ft.

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

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58 **FIRE ALARM STATION** **LUST** **U003713696**
South **1310 OAK ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **CS**
0.378 mi. **SWEEPS UST**
1996 ft.

Relative:
Higher

Actual:
27 ft.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown

FIRE ALARM STATION (Continued) **U003713696**

Leak Source: Unknown
Global Id: T0600101703
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-05-04 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1993-07-30 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: JULIE CARVER
RP Address: 1333 BROADWAY SUITE 1001
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000779
Case Number: 01-1837
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2SCA Du05/04/1994

FIRE ALARM STATION (Continued) **U003713696**

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1837
Case Number: 4605
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: 8/11/1993
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: Not reported

CS:
Record Id: RO0000779
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: Not reported
Comp Number: 4599
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-004599-000001
Actv Date: Not reported
Capacity: 1
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 1

M59 **WAIVER, COMPOST FACILITIES** **WMUDS/SWAT S104156590**
NNW **CA WDS N/A**
1/4-1/2 **, CA**
0.383 mi.
2021 ft. **Site 1 of 2 in cluster M**

Relative:
Equal

Actual:
26 ft.

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or

WAIVER, COMPOST FACILITIES (Continued) **S104156590**

dischargers having waste storage systems with land disposal such as dairy waste ponds.

Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: State
Agency Name: REGIONAL WATER Q. CON. BOARD 2
Agency Department: Not reported
Agency Address: 1515 CLAY ST SUITE 1400
Agency City,St,Zip: OAKLAND CA 94612
Agency Contact: EXECUTIVE OFFICER
Agency Telephone: 5106222300
Land Owner Name: Not reported
Land Owner Address: Not reported
Land Owner City,St,Zip: Not reported
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 2
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: Not reported
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: True
Solid Waste Assessment Test Program: False
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: Not reported
Threat to Water Quality: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Sub Chapter 15: True
Regional Board Project Officer: CTS
Number of WMUDS at Facility: 0
Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 2 011000001

WAIVER, COMPOST FACILITIES (Continued) **S104156590**

Solid Waste Information ID: Not reported

CA WDS:
Facility ID: San Francisco Bay 011538CT1
Facility Type: Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000003 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 2
Facility Telephone: Not reported
Facility Contact: DRAGOMIR BOGDANIC
Agency Name: CALTRANS
Agency Address: 111 GRAND AVE
Agency City,St,Zip: OAKLAND 946230660
Agency Contact: DRAGOMIR BOGDANIC
Agency Telephone: Not reported
Agency Type: State
SIC Code: 0
SIC Code 2: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

M60 **ESSEX PARK** **SLIC** **S108245959**
NNW **100 GRAND AVENUE** **N/A**
1/4-1/2 **OAKLAND, CA**
0.389 mi.
2054 ft. **Site 2 of 2 in cluster M**

Relative:
Equal

Actual:
26 ft.

SLIC:
Region: STATE
Global Id: SL0600140239
Assigned Name: SLICSITE
Lead Agency Contact: ELIZABETH ALLEN
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)

ESSEX PARK (Continued) **S108245959**

Lead Agency Case Number: 01S0667
Responsible Party: Not reported
Recent Dtw: Not reported
Substance Released: NOT_SELECTED
Facility Status: Not reported

N61 **1901 TELEGRAPH AVENUE** **US BROWNFIELDS** **1009805738**
WNW **1901 TELEGRAPH AVENUE** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.390 mi.
2060 ft. **Site 1 of 3 in cluster N**

Relative:
Lower

Actual:
23 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 1901 Telegraph Avenue
Parcel #: 008-0644-00200
Parcel size: 0.14
Latitude: 37.80833
Longitude: -122.26954
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 27882
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 1901 Telegraph Avenue
Parcel #: 008-0644-00200
Parcel size: 0.14
Latitude: 37.80833
Longitude: -122.26954
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 27882
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

62 **F.G. MAR COMMUNITY HOUSING PRJ** **Notify 65** **S100178793**
SW **HARRISON / 13TH STREETS** **N/A**
1/4-1/2 **OAKLAND, CA 92626**
0.390 mi.
2060 ft.

Relative:
Higher

Actual:
41 ft.

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

N63 **CHEVRON** **LUST** **S105030362**
WNW **1911 TELEGRAPH AVE** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **CS**
0.392 mi.
2068 ft. **Site 2 of 3 in cluster N**

Relative:
Lower

Actual:
23 ft.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: F
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Structure Failure
Leak Source: Tank
Global Id: T0600100308
Stop Date: 1988-04-15 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: 1988-04-12 00:00:00
Close Date: Not reported
Discover Date: 1988-02-23 00:00:00
Enforcement Dt: Not reported
Release Date: 1988-02-23 00:00:00
Review Date: 1998-08-21 00:00:00
Enter Date: 1992-03-12 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Post remedial action monitoring
Chemical: Waste Oil
Contact Person: Not reported
Responsible Party: BLANK RP
RP Address: Not reported
Interim: Yes
Oversight Prgm: LUST

CHEVRON (Continued) **S105030362**

MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: BJT
Staff Initials: Not reported
Lead Agency: Not reported
Local Agency: Not reported
Hydr Basin #: Alameda East Bay (2-
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: 1630
Case Number: Not reported
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming), Excavate and Dispose - remove contaminated soil and dispose in approved site
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: STAT 8 FROM LOP. CLOSURE DATE MISSING.

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-0336
Case Number: 1630
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 4/12/1988

Cortese:
Region: CORTESE
Facility Addr2: 1911 TELEGRAPH AVE

Region: CORTESE
Facility Addr2: 1911 TELEGRAPH AVE

CS:
Record Id: RO0000147
PE: 5602
Status: 11

CHEVRON (Continued) **S105030362**

Record Id: RO0000147
PE: 5602
Status: Pollution Characterization

N64 **1911 TELEGRAPH AVENUE** **US BROWNFIELDS** **1009805739**
WNW **1911 TELEGRAPH AVENUE** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.392 mi.
2068 ft. **Site 3 of 3 in cluster N**

Relative:
Lower

Actual:
23 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 1911 Telegraph Avenue
Parcel #: 008-0643-001-01
Parcel size: 3.05
Latitude: 37.80878
Longitude: -122.26981
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 27883
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 1911 Telegraph Avenue
Parcel #: 008-0643-001-01
Parcel size: 3.05
Latitude: 37.80878
Longitude: -122.26981
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 27883
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

65
WSW
1/4-1/2
0.397 mi.
2097 ft.

Relative:
Higher

Actual:
42 ft.

FRANK MAR COMMUNITY HOUSING PROJECT
383 13TH ST
OAKLAND, CA 94607

SLIC **S101641523**
N/A

SLIC:

Region:	STATE
Global Id:	SLT2O135141
Assigned Name:	SLICSITE
Lead Agency Contact:	Not reported
Lead Agency:	Not reported
Lead Agency Case Number:	Not reported
Responsible Party:	A
Recent Dtw:	Not reported
Substance Released:	Not reported
Facility Status:	**Not reported**

SLIC:

Region:	2
Facility ID:	SLT2O135141
Facility Status:	Leak being confirmed
Date Closed:	Not reported
Local Case #:	Not reported
How Discovered:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Date Confirmed:	Not reported
Date Prelim Site Assmnt Workplan Submitted:	Not reported
Date Preliminary Site Assessment Began:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

66
WNW
1/4-1/2
0.401 mi.
2115 ft.

Relative:
Higher

Actual:
28 ft.

521 19TH STREET
521 19TH STREET
OAKLAND, CA 94612

US BROWNFIELDS **1009805873**
N/A

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	521 19th Street
Parcel #:	008-0642-001
Parcel size:	1.2
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28003
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

521 19TH STREET (Continued) **1009805873**

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	521 19th Street
Parcel #:	008-0642-001
Parcel size:	1.2
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28003
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

O67
NW
1/4-1/2
0.402 mi.
2124 ft.

Site 1 of 2 in cluster O

Relative:
Lower

Actual:
22 ft.

1975 TELEGRAPH AVENUE
1975 TELEGRAPH AVENUE
OAKLAND, CA 94612

US BROWNFIELDS **1009805744**
N/A

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	1975 Telegraph Avenue
Parcel #:	008-0644-001
Parcel size:	0
Latitude:	37.80968
Longitude:	-122.26981
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	27884
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	1975 Telegraph Avenue
Parcel #:	008-0644-001
Parcel size:	0
Latitude:	37.80968
Longitude:	-122.26981
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	27884
Start date:	7/1/2005
Complete date:	7/1/2005

1975 TELEGRAPH AVENUE (Continued) **1009805744**

Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

P68 **OAKLAND TRIBUNE** **LUST** **U003713851**
North **2300 VALDEZ ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.406 mi.
2141 ft. **Site 1 of 2 in cluster P**

Relative:
Lower

Actual:
24 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101356
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1998-07-31 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1988-02-23 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: CHAD SCHWARTZ
RP Address: PO BOX 418172
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: BO
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported

OAKLAND TRIBUNE (Continued) **U003713851**

Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000807
Case Number: 01-1469
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAWG Arthur Goldman, Ritchie Commercial, 1940 Webster St., Oakland,07/31/1998

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1469
Case Number: 3663
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 8/30/1988
Pollution Characterization Began: 8/15/1989
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 2300 Valdez St

P69 **OAKLAND TRIBUNE** **CS** **S106661224**
North **2302 VALDEZ ST** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.407 mi.
2151 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
24 ft.

CS:
Record Id: RO0000807
PE: 5602
Status: Case Closed

70 SW 1/4-1/2 0.411 mi. 2171 ft.

Relative: Higher

Actual: 41 ft.

ALLRIGHT PARKING LOT
1225 WEBSTER ST
OAKLAND, CA 94612

LUST Cortese CS | **S103472405 N/A**

LUST:

Region:	STATE
Case Type:	Other ground water affected
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global Id:	T0600101854
Stop Date:	9999-09-09 00:00:00
Confirm Leak:	Not reported
Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	1996-06-27 00:00:00
Discover Date:	9999-09-09 00:00:00
Enforcement Dt:	Not reported
Release Date:	1994-05-20 00:00:00
Review Date:	Not reported
Enter Date:	Not reported
MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Max MTBE GW ppb:	Not reported
Max MTBE Soil ppb:	Not reported
County:	1
Org Name:	Not reported
Reg Board:	San Francisco Bay Region
Status:	Case Closed
Chemical:	Waste Oil
Contact Person:	Not reported
Responsible Party:	RON MCMEEKIN
RP Address:	233 SANSOME ST
Interim:	Not reported
Oversight Prgm:	LUST
MTBE Class:	*
MTBE Conc:	0
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
Staff:	Not reported
Staff Initials:	JE
Lead Agency:	Local Agency
Local Agency:	01000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	6
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

ALLRIGHT PARKING LOT (Continued) **S103472405**

Local Case #:	RO0000612
Case Number:	01-2007
Qty Leaked:	0
Abate Method:	Not reported
Operator:	Not reported
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	0
Waste Discharge Global ID:	Not reported
Waste Disch Assigned Name:	Not reported
Summary:	LUFT Con. LC 3HSCA 06/27/1996

LUST:

Region:	2
Facility Status:	Case Closed
Facility Id:	01-2007
Case Number:	5284
How Discovered:	Subsurface Monitoring
Leak Cause:	UNK
Leak Source:	Tank
Date Leak Confirmed:	8/11/1994
Oversight Program:	LUST
Prelim. Site Assesment Wokplan Submitted:	Not reported
Preliminary Site Assesment Began:	Not reported
Pollution Characterization Began:	Not reported
Pollution Remediation Plan Submitted:	Not reported
Date Remediation Action Underway:	Not reported
Date Post Remedial Action Monitoring Began:	Not reported

Cortese:

Region:	CORTESE
Facility Addr2:	1225 Webster St

CS:

Record Id:	RO0000612
PE:	5602
Status:	Case Closed

O71 NW 1/4-1/2 0.413 mi. 2181 ft.

Relative: Lower

Actual: 21 ft.

GOODYEAR SERVICE STATION
2025 TELEGRAPH AVE
OAKLAND, CA 94612

Site 2 of 2 in cluster O

HAZNET LUST Cortese CS | **S100926699 N/A**

HAZNET:

Gepaid:	CAC000672704
Contact:	JEFF WORTHY
Telephone:	0000000000
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	Not reported
Mailing City,St,Zip:	DOWNEY, CA 902410000
Gen County:	1
TSD EPA ID:	CAD043260702
TSD County:	San Mateo
Waste Category:	Unspecified oil-containing waste

GOODYEAR SERVICE STATION (Continued) **S100926699**

Disposal Method: Recycler
Tons: .4170
Facility County: 1

Gepaid: CAL000153793
Contact: JOE CHANG/OWNER
Telephone: 5104448777
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2025 TELEGRAPH AVE
Mailing City,St,Zip: OAKLAND, CA 946120000
Gen County: Alameda
TSD EPA ID: Not reported
TSD County: Santa Clara
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 0.37
Facility County: Not reported

Gepaid: CAL000153793
Contact: MICHAEL KANG/VICE PRESIDENT
Telephone: 5104440220
Facility Addr2: Not reported
Mailing Name: JOE GHANG
Mailing Address: 2025 TELEGRAPH AVE
Mailing City,St,Zip: OAKLAND, CA 946120000
Gen County: Alameda
TSD EPA ID: CAD003963592
TSD County: Alameda
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 0.37
Facility County: 1

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101663
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-11-18 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1992-04-17 00:00:00

GOODYEAR SERVICE STATION (Continued) **S100926699**

Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Waste Oil
Contact Person: Not reported
Responsible Party: TOM DEUEL
RP Address: 550 MONTGOMERY 10TH FL
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: TP
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0001023
Case Number: 01-1795
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2HSCAWG 11/18/1994

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1795
Case Number: 011090
How Discovered: Tank Closure
Leak Cause: Corrosion
Leak Source: Tank
Date Leak Confirmed: 7/17/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 4/21/1993
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported

GOODYEAR SERVICE STATION (Continued) **S100926699**

Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 2025 Telegraph Ave

CS:
Record Id: RO0001023
PE: 5602
Status: Case Closed

Q72 **TRIBUNE TOWER COMPLEX** **RCRA-SQG 1000277319**
WSW **409 13TH ST** **FINDS CAD981396963**
1/4-1/2 **OAKLAND, CA 94612** **HAZNET**
0.414 mi. **SLIC**
2185 ft. **Site 1 of 2 in cluster Q**

Relative: Higher

Actual: 42 ft.

RCRA-SQG:
Date form received by agency: 05/14/1998
Facility name: TRIBUNE TOWER COMPLEX
Facility address: 409 13TH ST
OAKLAND, CA 94612
EPA ID: CAD981396963
Mailing address: 1155 5TH ST STE 101
OAKLAND, CA 94607
Contact: JUDY ROMANN
Contact address: 1155 5TH ST STE 101
OAKLAND, CA 94607
Contact country: US
Contact telephone: (510) 891-9283
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: TRIBUNE TOWER ASSOC L L C
Owner/operator address: 1155 5TH ST
OAKLAND, CA 94607
Owner/operator country: Not reported
Owner/operator telephone: (510) 452-2944
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private

TRIBUNE TOWER COMPLEX (Continued) **1000277319**

Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
Gepaid: CAD981396963
Contact: OAKLAND TRIBUNE INC
Telephone: 4156452471
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1155 5TH ST STE 101
Mailing City,St,Zip: OAKLAND, CA 946070000
Gen County: 1

TRIBUNE TOWER COMPLEX (Continued) **1000277319**

TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: .2500
Facility County: 1

Gepaid: CAD981396963
Contact: OAKLAND TRIBUNE INC
Telephone: 4156452471
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1155 5TH ST STE 101
Mailing City,St,Zip: OAKLAND, CA 946070000
Gen County: 1
TSD EPA ID: CAD982042475
TSD County: Solano
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 14.3276
Facility County: 1

Gepaid: CAD981396963
Contact: OAKLAND TRIBUNE INC
Telephone: 4156452471
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1155 5TH ST STE 101
Mailing City,St,Zip: OAKLAND, CA 946070000
Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Disposal, Land Fill
Tons: 6.5292
Facility County: 1

Gepaid: CAD981396963
Contact: OAKLAND TRIBUNE INC
Telephone: 4156452471
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1155 5TH ST STE 101
Mailing City,St,Zip: OAKLAND, CA 946070000
Gen County: 1
TSD EPA ID: CAD990794133
TSD County: San Joaquin
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 33.7120
Facility County: 1

Gepaid: CAD981396963
Contact: OAKLAND TRIBUNE INC
Telephone: 4156452471
Facility Addr2: Not reported
Mailing Name: Not reported

TRIBUNE TOWER COMPLEX (Continued) **1000277319**

Mailing Address: 1155 5TH ST STE 101
Mailing City,St,Zip: OAKLAND, CA 946070000
Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Waste oil and mixed oil
Disposal Method: Treatment, Tank
Tons: .1459
Facility County: 1

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

SLIC:
Region: STATE
Global Id: SLT2O136142
Assigned Name: SLICSITE
Lead Agency Contact: Not reported
Lead Agency: Not reported
Lead Agency Case Number: Not reported
Responsible Party: A
Recent Dtw: Not reported
Substance Released: Not reported
Facility Status: Not reported

SLIC:
Region: 2
Facility ID: SLT2O136142
Facility Status: Leak being confirmed
Date Closed: Not reported
Local Case #: Not reported
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Confirmed: Not reported
Date Prelim Site Assmnt Workplan Submitted: Not reported
Date Preliminary Site Assessment Began: Not reported
Date Pollution Characterization Began: Not reported
Date Remediation Plan Submitted: Not reported
Date Remedial Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

73
South
1/4-1/2
0.418 mi.
2206 ft.

Relative:
Higher

Actual:
32 ft.

WESTERN UNION
125 12TH ST
OAKLAND, CA 94607

HAZNET **S100933266**
LUST **N/A**
Cortese
CS
SWEEPS UST

HAZNET:
Gepaid: CAL000082418
Contact: COUNTY OF ALAMEDA
Telephone: 5105356248
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1401 LAKESIDE DRIVE
Mailing City,St,Zip: OAKLAND, CA 946190000
Gen County: 1

WESTERN UNION (Continued) **S100933266**

TSD EPA ID: CAD990794133
TSD County: San Joaquin
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 33.7120
Facility County: 1

Gepaid: CAL000082418
Contact: COUNTY OF ALAMEDA
Telephone: 5105356248
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1401 LAKESIDE DRIVE
Mailing City,St,Zip: OAKLAND, CA 946190000
Gen County: 1
TSD EPA ID: CAD990794133
TSD County: San Joaquin
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 91.8652
Facility County: 1

Gepaid: CAL000082418
Contact: COUNTY OF ALAMEDA
Telephone: 5105356248
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1401 LAKESIDE DRIVE
Mailing City,St,Zip: OAKLAND, CA 946190000
Gen County: 1
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Not reported
Tons: 1.0017
Facility County: 1

Gepaid: CAL000082418
Contact: COUNTY OF ALAMEDA
Telephone: 5105356248
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1401 LAKESIDE DRIVE
Mailing City,St,Zip: OAKLAND, CA 946190000
Gen County: 1
TSD EPA ID: CAD990794193
TSD County: 0
Waste Category: Asbestos-containing waste
Disposal Method: Not reported
Tons: 33.7120
Facility County: 1

Gepaid: CAL000082418
Contact: COUNTY OF ALAMEDA
Telephone: 5105356248
Facility Addr2: Not reported
Mailing Name: Not reported

WESTERN UNION (Continued) **S100933266**

Mailing Address: 1401 LAKESIDE DRIVE
Mailing City,St,Zip: OAKLAND, CA 946190000
Gen County: 1
TSD EPA ID: CAL000027741
TSD County: 5
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 434.8848
Facility County: 1

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101541
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1995-08-01 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1990-08-06 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: LOU SHIKANY
RP Address: 1401 LAKESIDE DR SUITE 801
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.

WESTERN UNION (Continued) **S100933266**

Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 9
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0001155
Case Number: 01-1668
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2HSCAW 108/01/1995

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1668
Case Number: 3741
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 3/9/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 11/28/1990
Preliminary Site Assesment Began: 9/28/1990
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 125 12th St

CS:
Record Id: RO0001155
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: Not reported
Comp Number: 1416
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported

WESTERN UNION (Continued) **S100933266**

Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-001416-000001
Actv Date: Not reported
Capacity: 350
Tank Use: OIL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: 1

Q74 **ZIMMERMAN INVESTMENTS** **LUST** **S101580208**
WSW **420 13TH ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **CA FID UST**
0.419 mi. **CS**
2212 ft. **Site 2 of 2 in cluster Q** **SWEEPS UST**

Relative:
Higher

Actual:
42 ft.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101641
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-05-04 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1992-04-24 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: PAUL LAFONTAINE
RP Address: 1330 BROADWAY
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0

ZIMMERMAN INVESTMENTS (Continued) **S101580208**

MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000576
Case Number: 01-1773
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2SCAW 05/04/1994

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1773
Case Number: 4142
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: 5/20/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 1/11/1993
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 1/11/1993

Cortese:
Region: CORTESE
Facility Addr2: 420 13TH ST

CA FID UST:
Facility ID: 01001809
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4158342632
Mail To: Not reported
Mailing Address: 1330 BROADWAY
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported

ZIMMERMAN INVESTMENTS (Continued) **S101580208**

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CS:
Record Id: RO0000576
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: Not reported
Comp Number: 300
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-000300-000001
Actv Date: Not reported
Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 300
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-000300-000002
Actv Date: Not reported
Capacity: 5000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 300
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported

ZIMMERMAN INVESTMENTS (Continued) **S101580208**

Swrcb Tank Id: 01-000-000300-000003
Actv Date: Not reported
Capacity: 3000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 300
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-000300-000004
Actv Date: Not reported
Capacity: 600
Tank Use: OIL
Stg: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

R75 **LAKE MERRITT LODGE** **LUST** **S100866259**
NNE **2332 HARRISON ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **CS**
0.420 mi. **SWEEPS UST**
2216 ft. **Site 1 of 2 in cluster R**

Relative:
Lower

Actual:
12 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101712
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-04-29 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1993-08-11 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported

LAKE MERRITT LODGE (Continued) **S100866259**

Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: TOM DEUEL
RP Address: 388 MARKET ST2ND FLOOR
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000537
Case Number: 01-1846
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3SCA

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1846
Case Number: 4604
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: 8/19/1993
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:

LAKE MERRITT LODGE (Continued) **S100866259**

Region: CORTESE
Facility Addr2: 2332 Harrison St

CS:
Record Id: RO0000537
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: Not reported
Comp Number: 7923
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-007923-000001
Actv Date: Not reported
Capacity: 1500
Tank Use: OIL
Stg: PRODUCT
Content: HEATING OIL
Number Of Tanks: 1

Status: A
Comp Number: 7923
Number: 9
Board Of Equalization: Not reported
Ref Date: 02-04-93
Act Date: 04-25-94
Created Date: 04-25-94
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: Not reported
Actv Date: Not reported
Capacity: Not reported
Tank Use: Not reported
Stg: Not reported
Content: Not reported
Number Of Tanks: Not reported

S76 **538 WILLIAM STREET PARCEL 005** **US BROWNFIELDS** **1009805882**
WNW **538 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.422 mi.
2229 ft. **Site 1 of 9 in cluster S**

Relative:
Lower

Actual:
24 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 538 William Street Parcel 005
Parcel #: 008-0644-005
Parcel size: 0.15
Latitude: 37.80923
Longitude: -122.27038

538 WILLIAM STREET PARCEL 005 (Continued) **1009805882**

Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28047
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 538 William Street Parcel 005
Parcel #: 008-0644-005
Parcel size: 0.15
Latitude: 37.80923
Longitude: -122.27038
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28047
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

S77 **538 WILLIAM STREET PARCEL 006** **US BROWNFIELDS** **1009805883**
WNW **538 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.422 mi.
2229 ft. **Site 2 of 9 in cluster S**

Relative:
Lower

Actual:
24 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 538 William Street Parcel 006
Parcel #: 008-0644-006
Parcel size: 0.1
Latitude: 37.80923
Longitude: -122.27038
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28048
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 538 William Street Parcel 006
Parcel #: 008-0644-006

538 WILLIAM STREET PARCEL 006 (Continued) **1009805883**

Parcel size:	0.1
Latitude:	37.80923
Longitude:	-122.27038
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28048
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

S78 **538 WILLIAM STREET PARCEL 003** **US BROWNFIELDS** **1009805881**
WNW **538 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.422 mi.
2229 ft. **Site 3 of 9 in cluster S**

Relative:
Lower

Actual:
24 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	538 William Street Parcel 003
Parcel #:	008-0644-003
Parcel size:	0.1
Latitude:	37.80923
Longitude:	-122.27038
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28045
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	538 William Street Parcel 003
Parcel #:	008-0644-003
Parcel size:	0.1
Latitude:	37.80923
Longitude:	-122.27038
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28045
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

S79 **538 WILIAM STREET PARCEL 4** **US BROWNFIELDS** **1009805880**
WNW **538 WILIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.422 mi.
2229 ft. **Site 4 of 9 in cluster S**

Relative:
Lower

Actual:
24 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	538 Wiliam Street Parcel 4
Parcel #:	008-0644-004
Parcel size:	0.1
Latitude:	37.80923
Longitude:	-122.27038
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28046
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	538 Wiliam Street Parcel 4
Parcel #:	008-0644-004
Parcel size:	0.1
Latitude:	37.80923
Longitude:	-122.27038
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28046
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

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80 **TUNE UP MASTERS #325** **LUST** **S103472282**
WSW **450 14TH ST E** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94606**
0.424 mi.
2239 ft.

Relative:
Higher

Actual:
43 ft.

LUST:

Region:	STATE
Case Type:	Soil only
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global Id:	T0600101392

TUNE UP MASTERS #325 (Continued) **S103472282**

Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1993-11-04 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1990-05-30 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Waste Oil
Contact Person: Not reported
Responsible Party: PERRY PAHLMEYER
RP Address: 811 SENTINEL CT
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: TP
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0001027
Case Number: 01-1508
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2HSCAWG 111/04/199310/29/1992

LUST:
Region: 2
Facility Status: Case Closed

TUNE UP MASTERS #325 (Continued) **S103472282**

Facility Id: 01-1508
Case Number: 190
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 12/27/1991
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 6/26/1992
Preliminary Site Assesment Began: 6/1/1993
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 450 14TH ST E

S81 **544 WILLIAM STREET** **US BROWNFIELDS** **1009805885**
WNW **544 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.427 mi.
2253 ft. **Site 5 of 9 in cluster S**

Relative:
Lower

Actual:
24 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 544 William Street
Parcel #: 008-0644-007
Parcel size: 0.06
Latitude: 37.81013
Longitude: -122.26952
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28049
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 544 William Street
Parcel #: 008-0644-007
Parcel size: 0.06
Latitude: 37.81013
Longitude: -122.26952
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28049
Start date: 7/1/2005

544 WILLIAM STREET (Continued) **1009805885**

Complete date: Not reported
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

S82 **550 WILLIAM STREET** **US BROWNFIELDS** **1009805887**
WNW **550 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.432 mi.
2279 ft. **Site 6 of 9 in cluster S**

Relative:
Lower

Actual:
24 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 550 William Street
Parcel #: 008-0644-008
Parcel size: 0.05
Latitude: 37.81013
Longitude: -122.26952
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28061
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 550 William Street
Parcel #: 008-0644-008
Parcel size: 0.05
Latitude: 37.81013
Longitude: -122.26952
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28061
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

R83 **7 ELEVEN** **LUST** **S102423476**
NNE **2350 HARRISON ST** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **CS**
0.436 mi.
2303 ft. **Site 2 of 2 in cluster R**

Relative:
Lower

Actual:
12 ft.

LUST:
Region: STATE
Case Type: Undefined
Cross Street: Not reported
Enf Type: Not reported
Funding: Undefined
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600102237
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1992-11-06 00:00:00
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1992-11-06 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Leak being confirmed
Chemical: 8
Contact Person: Not reported
Responsible Party: RICHARD BURGE
RP Address: 490 GRAND AVE STE #20
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: JTW
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 4
Cleanup Fund Id: Not reported
Work Suspended: Not reported

7 ELEVEN (Continued) **S102423476**

Local Case #: RO0000505
Case Number: 01-2428
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2SC Groundwater has not been tested for MTBE04/20/1998

LUST:
Region: 2
Facility Status: Leak being confirmed
Facility Id: 01-2428
Case Number: 4596
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: 12/12/1992
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 2350 HARRISON ST

CS:
Record Id: RO0000505
PE: 5602
Status: Leak being confirmed

84
SSW
1/4-1/2
0.439 mi.
2319 ft.

Relative:
Higher

Actual:
38 ft.

NORTH PORT OF OAKLAND REFUSE DS/RAIDERS **SWF/LF** **S105453979**
SE CORNER DOOLITTLE RD X HARBOR BAY PKWY **N/A**
OAKLAND, CA

SWF/LF:
Region: STATE
Facility ID: 01-CR-0034
Lat/Long: 37.8 / -122.26667
Owner Name: Port Of Oakland
Owner Telephone: 4152721180
Owner Address: Not reported
Owner Address2: P.O. Box 2064 Port Of Stockton
Owner City,St,Zip: Oakland, CA 94604-2064
Operator: Not reported
Operator Phone: Not reported
Operator Address: Not reported

NORTH PORT OF OAKLAND REFUSE DS/RAIDERS (Continued) **S105453979**

Operator Address2: Not reported
Operator City,St,Zip: Not reported
Operator's Status: Closed
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: $0.00
Activity: Solid Waste Disposal Site
Regulation Status: Unpermitted
Landuse Name: Not reported
GIS Source: Place
Category: Disposal
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: $0.00
Swisnumber: 01-CR-0034
Issue & Observations: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported

T85
WNW
1/4-1/2
0.442 mi.
2331 ft.

Site 1 of 2 in cluster T

Relative:
Higher

Actual:
33 ft.

540 18TH STREET **US BROWNFIELDS** **1009805884**
540 18TH STREET **N/A**
OAKLAND, CA 94612

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 540 18th Street
Parcel #: 008-0642-003
Parcel size: 0
Latitude: 37.80789
Longitude: -122.27153
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 27903
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 540 18th Street
Parcel #: 008-0642-003
Parcel size: 0
Latitude: 37.80789
Longitude: -122.27153

540 18TH STREET (Continued) **1009805884**

Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 27903
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

S86 **562 WILLIAM STREET PARCEL 009** **US BROWNFIELDS** **1009805888**
WNW **562 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.442 mi.
2332 ft. **Site 7 of 9 in cluster S**

Relative:
Lower

Actual:
25 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 562 William Street Parcel 009
Parcel #: 008-0644-009
Parcel size: 0.13
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28062
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 562 William Street Parcel 009
Parcel #: 008-0644-009
Parcel size: 0.13
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28062
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

S87 **562 WILLIAM STREET PARCEL 010** **US BROWNFIELDS** **1009805889**
WNW **562 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.442 mi.
2332 ft. **Site 8 of 9 in cluster S**

Relative:
Lower

Actual:
25 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 562 William Street Parcel 010
Parcel #: 008-0644-010
Parcel size: 0.07
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28063
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 562 William Street Parcel 010
Parcel #: 008-0644-010
Parcel size: 0.07
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28063
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

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88 **ZIMMERMAN INVESTMENTS** **HAZNET** **S102441487**
WSW **1330 BROADWAY** **LUST** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **Cortese**
0.442 mi. **AIRS**
2332 ft.

Relative:
Higher

Actual:
43 ft.

HAZNET:
Gepaid: CAC001247776
Contact: MYRON ZIMMERMAN
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1330 BROADWAY #1050
Mailing City,St,Zip: OAKLAND, CA 946120000
Gen County: 1
TSD EPA ID: NYD986980233
TSD County: 99

ZIMMERMAN INVESTMENTS (Continued) **S102441487**

Waste Category: Not reported
Disposal Method: Treatment, Incineration
Tons: .0000
Facility County: 1

Gepaid: CAC001247776
Contact: MYRON ZIMMERMAN
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1330 BROADWAY #1050
Mailing City,St,Zip: OAKLAND, CA 946120000
Gen County: 1
TSD EPA ID: NYD986980233
TSD County: 99
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Recycler
Tons: .4848
Facility County: 1

Gepaid: CAC002281809
Contact: MYRON ZIMMERMAN
Telephone: 5104515836
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1330 BROADWAY STE 1050
Mailing City,St,Zip: OAKLAND, CA 946120000
Gen County: 1
TSD EPA ID: CAL000190080
TSD County: San Joaquin
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 1.6856
Facility County: 1

Gepaid: CAC002281809
Contact: MYRON ZIMMERMAN
Telephone: 5104515836
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1330 BROADWAY STE 1050
Mailing City,St,Zip: OAKLAND, CA 946120000
Gen County: 1
TSD EPA ID: CAD981382732
TSD County: 1
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: .2107
Facility County: 1

Gepaid: CAC001416528
Contact: MYRON ZIMMERMAN
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1330 BROADWAY #1050
Mailing City,St,Zip: OAKLAND, CA 946120000

ZIMMERMAN INVESTMENTS (Continued) **S102441487**

Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Disposal, Land Fill
Tons: .3746
Facility County: 1

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1694
Case Number: 2142
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1330 BROADWAY

EMI:
Year: 2001
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 12765
Air District Name: BA
SIC Code: 4813
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 7
NOX - Oxides of Nitrogen Tons/Yr: 33
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 2
Part. Matter 10 Micrometers & Smllr Tons/Yr: 2

Year: 2002
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 12765
Air District Name: BA
SIC Code: 4813

ZIMMERMAN INVESTMENTS (Continued) **S102441487**

Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	13342
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	12765
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	13342
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

ZIMMERMAN INVESTMENTS (Continued) **S102441487**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	13342
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.003
Reactive Organic Gases Tons/Yr:	0.0025101
Carbon Monoxide Emissions Tons/Yr:	0.003
NOX - Oxides of Nitrogen Tons/Yr:	0.016
SOX - Oxides of Sulphur Tons/Yr:	0.001
Particulate Matter Tons/Yr:	0.001
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.000976

Year:	2004
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	12765
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.003
Reactive Organic Gases Tons/Yr:	0.0025101
Carbon Monoxide Emissions Tons/Yr:	0.009
NOX - Oxides of Nitrogen Tons/Yr:	0.042
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.003
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.002928

Year:	2005
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	13342
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.003
Reactive Organic Gases Tons/Yr:	.0025101
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	.016
SOX - Oxides of Sulphur Tons/Yr:	.001
Particulate Matter Tons/Yr:	.001
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.000976

Year:	2005

ZIMMERMAN INVESTMENTS (Continued) **S102441487**

Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	12765
Air District Name:	BA
SIC Code:	4813
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.005
Reactive Organic Gases Tons/Yr:	.0041835
Carbon Monoxide Emissions Tons/Yr:	.015
NOX - Oxides of Nitrogen Tons/Yr:	.068
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	.005
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.00488

U89 **529 20TH STREET PARCEL 039** **US BROWNFIELDS** **1009805874**
NW **529 20TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.444 mi.
2343 ft. **Site 1 of 6 in cluster U**

Relative:
Lower

Actual:
22 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 039
Parcel #:	008-0644-039
Parcel size:	0.05
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28006
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 039
Parcel #:	008-0644-039
Parcel size:	0.05
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28006
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

U90 **529 20TH STREET PARCEL 044** **US BROWNFIELDS** **1009805879**
NW **529 20TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.444 mi.
2343 ft. **Site 2 of 6 in cluster U**

Relative:
Lower

Actual:
22 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 044
Parcel #:	008-0644-044
Parcel size:	0.07
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28011
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 044
Parcel #:	008-0644-044
Parcel size:	0.07
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28011
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

U91 **529 20TH STREET PARCEL 042** **US BROWNFIELDS** **1009805877**
NW **529 20TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.444 mi.
2343 ft. **Site 3 of 6 in cluster U**

Relative:
Lower

Actual:
22 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 042
Parcel #:	008-0644-042
Parcel size:	0.06
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000

529 20TH STREET PARCEL 042 (Continued) **1009805877**

Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28009
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government
Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 042
Parcel #:	008-0644-042
Parcel size:	0.06
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28009
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

U92 **529 20TH STREET PARCEL 041** **US BROWNFIELDS** **1009805876**
NW **529 20TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.444 mi.
2343 ft. **Site 4 of 6 in cluster U**

Relative:
Lower

Actual:
22 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 041
Parcel #:	008-0644-041
Parcel size:	0.11
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28008
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government
Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 041
Parcel #:	008-0644-041
Parcel size:	0.11
Latitude:	37.81013
Longitude:	-122.26952

529 20TH STREET PARCEL 041 (Continued) **1009805876**

Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28008
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

U93 **529 20TH STREET PARCEL 043** **US BROWNFIELDS** **1009805878**
NW **529 20TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.444 mi.
2343 ft. **Site 5 of 6 in cluster U**

Relative:
Lower

Actual:
22 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 043
Parcel #:	008-0644-043
Parcel size:	0.07
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28010
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government
Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 043
Parcel #:	008-0644-043
Parcel size:	0.07
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28010
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

U94 **529 20TH STREET PARCEL 040** **US BROWNFIELDS** **1009805875**
NW **529 20TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.444 mi.
2343 ft. **Site 6 of 6 in cluster U**

Relative:
Lower

Actual:
22 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 040
Parcel #:	008-0644-040
Parcel size:	0.1
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28007
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	529 20th Street Parcel 040
Parcel #:	008-0644-040
Parcel size:	0.1
Latitude:	37.81013
Longitude:	-122.26952
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28007
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

S95 **566 WILLIAM STREET** **US BROWNFIELDS** **1009805892**
WNW **566 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.445 mi.
2351 ft. **Site 9 of 9 in cluster S**

Relative:
Lower

Actual:
25 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	566 William Street
Parcel #:	008-0644-011
Parcel size:	0.07
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000

566 WILLIAM STREET (Continued) **1009805892**

Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28064
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	566 William Street
Parcel #:	008-0644-011
Parcel size:	0.07
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28064
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

V96 **LEE ASSOC.** **CS** **S106661053**
WSW **387 12TH ST** **SWEEPS UST** **N/A**
1/4-1/2 **OAKLAND, CA 94602**
0.446 mi.
2357 ft. **Site 1 of 3 in cluster V**

Relative:
Higher

Actual:
43 ft.

CS:

Record Id:	RO0000602
PE:	5602
Status:	Case Closed

SWEEPS UST:

Status:	Not reported
Comp Number:	4562
Number:	Not reported
Board Of Equalization:	Not reported
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-004562-000001
Actv Date:	Not reported
Capacity:	500
Tank Use:	OIL
Stg:	PRODUCT
Content:	HEATING OIL
Number Of Tanks:	1

V97 **LEE FAMILY ASSOCIATES** **LUST** **S103890839**
WSW **387 12TH ST E** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94607**
0.448 mi.
2363 ft. **Site 2 of 3 in cluster V**

Relative:
Higher

Actual:
43 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101610
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1995-06-14 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1992-07-24 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: HOMER LEE
RP Address: 1127 WEBSTER ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported

LEE FAMILY ASSOCIATES (Continued) **S103890839**

Local Case #: RO0000602
Case Number: 01-1739
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3SCAH This is the office HQ address. See file notes for Homer Lee's06/14/1995

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1739
Case Number: 4445
How Discovered: Tank Closure
Leak Cause: UNK
Leak Source: Tank
Date Leak Confirmed: 3/17/1993
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 2/25/1993
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 387 12TH ST E

W98 **570 WILLIAM STREET** **US BROWNFIELDS** **1009805894**
WNW **570 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.449 mi.
2370 ft. **Site 1 of 6 in cluster W**

Relative:
Lower

Actual:
25 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 570 William Street
Parcel #: 008-0644-012
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28065
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment

570 WILLIAM STREET (Continued) **1009805894**

Ownership entity: Government

X99 **ICE VENTURES PROJECT** **SLIC** **S108245996**
West **540 17TH** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.449 mi.
2372 ft. **Site 1 of 2 in cluster X**

Relative: **Higher**

Actual: **36 ft.**

SLIC:
Region: STATE
Global Id: T06019742392
Assigned Name: SLIC
Lead Agency Contact: JENNIFER EBERLE
Lead Agency: ALAMEDA COUNTY LOP
Lead Agency Case Number: RO0002712
Responsible Party: ANDREW CLARK CLOUGH
Recent Dtw: Not reported
Substance Released: 0
Facility Status: **Case Closed**

X100 **ICE VENTURES PROJECT** **CS** **S106784885**
West **540 17TH ST** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.449 mi.
2372 ft. **Site 2 of 2 in cluster X**

Relative: **Higher**

Actual: **36 ft.**

CS:
Record Id: RO0002712
PE: 5502
Status: Case Closed

Y101 **LABOR TEMPLE PARKING LOT** **SLIC** **S108246008**
North **2330 WEBSTER** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.451 mi.
2379 ft. **Site 1 of 2 in cluster Y**

Relative: **Higher**

Actual: **27 ft.**

SLIC:
Region: STATE
Global Id: T06019758999
Assigned Name: SLIC
Lead Agency Contact: MADHULLA LOGAN
Lead Agency: ALAMEDA COUNTY LOP
Lead Agency Case Number: RO0002711
Responsible Party: TODD STARK
Recent Dtw: Not reported
Substance Released: 0
Facility Status: **Case Closed**

Y102 **LABOR TEMPLE PARKING LOT** **CS** **S106784922**
North **2330 WEBSTER ST** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.451 mi.
2379 ft. **Site 2 of 2 in cluster Y**

Relative: **Higher**

Actual: **27 ft.**

CS:
Record Id: RO0002711
PE: 5502
Status: Case Closed

W103 **574 WILLIAM STREET** **US BROWNFIELDS** **1009805897**
WNW **574 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.452 mi.
2386 ft. **Site 2 of 6 in cluster W**

Relative: **Lower**

Actual: **25 ft.**

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 574 William Street
Parcel #: 008-0644-013
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28066
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 574 William Street
Parcel #: 008-0644-013
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28066
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

T104 **550 18TH STREET** **US BROWNFIELDS** **1009805886**
WNW **550 18TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.456 mi.
2407 ft. **Site 2 of 2 in cluster T**

Relative:
Higher

Actual:
33 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	550 18th Street
Parcel #:	008-0642-004
Parcel size:	0
Latitude:	37.80789
Longitude:	-122.27153
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28001
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	550 18th Street
Parcel #:	008-0642-004
Parcel size:	0
Latitude:	37.80789
Longitude:	-122.27153
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28001
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

V105 **SHORE ACRES GAS** **LUST** **S108418274**
WSW **403 12TH** **N/A**
1/4-1/2 **OAKLAND, CA 94606**
0.457 mi.
2414 ft. **Site 3 of 3 in cluster V**

Relative:
Higher

Actual:
43 ft.

LUST:

Region:	STATE
Case Type:	Other ground water affected
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	SA
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global Id:	T0600174667

SHORE ACRES GAS (Continued) **S108418274**

Stop Date:	9999-09-09 00:00:00
Confirm Leak:	2006-07-10 00:00:00
Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	Not reported
Discover Date:	2006-07-10 00:00:00
Enforcement Dt:	Not reported
Release Date:	2006-07-21 00:00:00
Review Date:	Not reported
Enter Date:	Not reported
MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Max MTBE GW ppb:	Not reported
Max MTBE Soil ppb:	Not reported
County:	1
Org Name:	Not reported
Reg Board:	San Francisco Bay Region
Status:	Leak being confirmed
Chemical:	Gasoline
Contact Person:	Not reported
Responsible Party:	WASEEM IQBAL
RP Address:	226 HAVENWOOD CIRCLE
Interim:	Not reported
Oversight Prgm:	LUST
MTBE Class:	*
MTBE Conc:	0
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff:	Not reported
Staff Initials:	BC
Lead Agency:	Local Agency
Local Agency:	01000L
Hydr Basin #:	Not reported
Beneficial:	MUN
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Local Case #:	RO0002931
Case Number:	Not reported
Qty Leaked:	0
Abate Method:	Not reported
Operator:	Not reported
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	0
Waste Discharge Global ID:	Not reported
Waste Disch Assigned Name:	Not reported
Summary:	Not reported

W106 **584 WILLIAM STREET** **US BROWNFIELDS** **1009805898**
WNW **584 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.461 mi.
2432 ft. **Site 3 of 6 in cluster W**

Relative:
Lower

Actual:
25 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	584 William Street
Parcel #:	008-0644-014
Parcel size:	0.06
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28067
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	584 William Street
Parcel #:	008-0644-014
Parcel size:	0.06
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28067
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

W107 **588 WILLIAM STREET** **US BROWNFIELDS** **1009805902**
WNW **588 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.464 mi.
2448 ft. **Site 4 of 6 in cluster W**

Relative:
Lower

Actual:
25 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	588 William Street
Parcel #:	008-0644-015
Parcel size:	0.12
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000

588 WILLIAM STREET (Continued) **1009805902**

Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28068
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	588 William Street
Parcel #:	008-0644-015
Parcel size:	0.12
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28068
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

W108 **592 WILLIAM STREET** **US BROWNFIELDS** **1009805903**
WNW **592 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.467 mi.
2466 ft. **Site 5 of 6 in cluster W**

Relative:
Equal

Actual:
26 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	592 William Street
Parcel #:	008-0644-016
Parcel size:	0.06
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28081
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Private

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	592 William Street
Parcel #:	008-0644-016
Parcel size:	0.06
Latitude:	37.81015
Longitude:	-122.2718

592 WILLIAM STREET (Continued) **1009805903**

Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28081
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Private

109 ENE 1/4-1/2 0.469 mi. 2474 ft.

DEVI OIL COMPANY
350 GRAND AVE
OAKLAND, CA 94610

HAZNET S102436885
LUST N/A
Cortese
CS
SWEEPS UST

Relative: Equal

Actual: 26 ft.

HAZNET:
Gepaid: CAL000160135
Contact: EQUILON ENTERPRISES LLC
Telephone: 7132412258
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4453
Mailing City,St,Zip: HOUSTON, TX 772104453
Gen County: 1
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Tons: 3.7530
Facility County: 1

Gepaid: CAL000160135
Contact: EQUILON ENTERPRISES LLC
Telephone: 7132412258
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4453
Mailing City,St,Zip: HOUSTON, TX 772104453
Gen County: 1
TSD EPA ID: CAD009466392
TSD County: 7
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Disposal, Other
Tons: 5.8300
Facility County: 1

Gepaid: CAL000160135
Contact: EQUILON ENTERPRISES LLC
Telephone: 7132412258
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 4453
Mailing City,St,Zip: HOUSTON, TX 772104453
Gen County: 1
TSD EPA ID: CAD009466392
TSD County: 7

DEVI OIL COMPANY (Continued) **S102436885**

Waste Category: Empty containers less than 30 gallons
Disposal Method: Recycler
Tons: .1500
Facility County: 1

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101255
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1996-08-14 00:00:00
Workplan: 1997-09-15 00:00:00
Prelim Assess: 1998-01-13 00:00:00
Pollution Char: 1998-05-31 00:00:00
Remed Plan: Not reported
Remed Action: 2003-09-16 00:00:00
Monitoring: 1991-01-23 00:00:00
Close Date: 2007-06-12 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1996-08-14 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: GURSHARNJEET CHEEMA
RP Address: 2712 COWELL RD
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: CCM
Staff Initials: JTW
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 4
Cleanup Fund Id: Not reported

DEVI OIL COMPANY (Continued) **S102436885**

Work Suspended: Not reported
Local Case #: RO0000428
Case Number: 01-1360
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAWG MTBE = 13,000 ppb05/05/1999

LUST:
Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: 01-1360
Case Number: 3714
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 9/24/1990
Preliminary Site Assesment Began: 1/7/1991
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 350 Grand Ave

CS:
Record Id: RO0000428
PE: 5602
Status: Leak being confirmed

Record Id: RO0000428
PE: 5602
Status: Pollution Characterization

Record Id: RO0000428
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0000428
PE: 5602
Status: Preliminary site assessment workplan submitted

Record Id: RO0000428
PE: 5602
Status: Post remedial action monitoring

Record Id: RO0000428

DEVI OIL COMPANY (Continued) **S102436885**

PE: 5602
Status: Remedial action (cleanup) Underway

Record Id: RO0000428
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: A
Comp Number: 56752
Number: 1
Board Of Equalization: 44-000074
Ref Date: 12-14-93
Act Date: 05-05-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5510-02-RU-1
Swrcb Tank Id: 01-000-056752-000001
Actv Date: 12-13-93
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: A
Comp Number: 56752
Number: 1
Board Of Equalization: 44-000074
Ref Date: 12-14-93
Act Date: 05-05-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5510-02-PL-1
Swrcb Tank Id: 01-000-056752-000002
Actv Date: 12-13-93
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: PLUS UNLEADE
Number Of Tanks: Not reported

Status: A
Comp Number: 56752
Number: 1
Board Of Equalization: 44-000074
Ref Date: 12-14-93
Act Date: 05-05-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5510-02-SU-1
Swrcb Tank Id: 01-000-056752-000003
Actv Date: 12-14-93
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: PRM UNLEADED

DEVI OIL COMPANY (Continued) **S102436885**

Number Of Tanks: Not reported

Status: A
Comp Number: 56752
Number: 1
Board Of Equalization: 44-000074
Ref Date: 12-14-93
Act Date: 05-05-94
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 5510-02-DSL-1
Swrcb Tank Id: 01-000-056752-000004
Actv Date: 12-13-93
Capacity: 12000
Tank Use: M.V. FUEL
Stg: P
Content: DIESEL
Number Of Tanks: Not reported

Z110 **563 19TH STREET** **US BROWNFIELDS** **1009805890**
WNW **563 19TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.468 mi.
2474 ft. **Site 1 of 2 in cluster Z**

Relative:
Higher

Actual:
30 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 563 19th Street
Parcel #: 008-0642-012
Parcel size: 0
Latitude: 37.80879
Longitude: -122.27152
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28004
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 563 19th Street
Parcel #: 008-0642-012
Parcel size: 0
Latitude: 37.80879
Longitude: -122.27152
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28004
Start date: 7/1/2005

563 19TH STREET (Continued) **1009805890**

Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

W111 **596 WILLIAM STREET** **US BROWNFIELDS** **1009805905**
WNW **596 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.471 mi.
2486 ft. **Site 6 of 6 in cluster W**

Relative:
Equal

Actual:
26 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 596 William Street
Parcel #: 008-0644-017
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28082
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Private

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 596 William Street
Parcel #: 008-0644-017
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28082
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Private

AA112
NW
1/4-1/2
0.471 mi.
2487 ft.

CHEVRON #93600
2200 TELEGRAPH AVE
OAKLAND, CA 94612

CA FID UST
CS
SWEEPS UST

S101580358
N/A

Site 1 of 3 in cluster AA

Relative:
Lower

Actual:
23 ft.

CA FID UST:

Facility ID:	01002579
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	4152681893
Mail To:	Not reported
Mailing Address:	PO BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	OAKLAND 94612
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CS:

Record Id:	RO0002435
PE:	5602
Status:	Preliminary site assessment underway

Record Id:	RO0002435
PE:	5602
Status:	Preliminary site assessment workplan submitted

Record Id:	RO0002435
PE:	5602
Status:	Leak being confirmed

SWEEPS UST:

Status:	A
Comp Number:	9876
Number:	2
Board Of Equalization:	44-031013
Ref Date:	03-30-93
Act Date:	11-23-93
Created Date:	09-13-91
Tank Status:	A
Owner Tank Id:	1
Swrcb Tank Id:	01-000-009876-000001
Actv Date:	03-30-93
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	A
Comp Number:	9876

CHEVRON #93600 (Continued) **S101580358**

Number:	2
Board Of Equalization:	44-031013
Ref Date:	03-30-93
Act Date:	11-23-93
Created Date:	09-13-91
Tank Status:	A
Owner Tank Id:	2
Swrcb Tank Id:	01-000-009876-000002
Actv Date:	03-30-93
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

Status:	A
Comp Number:	9876
Number:	2
Board Of Equalization:	44-031013
Ref Date:	03-30-93
Act Date:	11-23-93
Created Date:	09-13-91
Tank Status:	A
Owner Tank Id:	3
Swrcb Tank Id:	01-000-009876-000003
Actv Date:	03-30-93
Capacity:	10000
Tank Use:	M.V. FUEL
Stg:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

AA113
NW
1/4-1/2
0.471 mi.
2487 ft.

CHEVRON 9-3600
2200 TELEGRAPH AVE
OAKLAND, CA 94612

LUST

S106117767
N/A

Site 2 of 3 in cluster AA

Relative:
Lower

Actual:
23 ft.

LUST:

Region:	STATE
Case Type:	Other ground water affected
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	OM
How Stopped:	Other Means
Leak Cause:	Unknown
Leak Source:	Unknown
Global Id:	T0600161613
Stop Date:	9999-09-09 00:00:00
Confirm Leak:	2000-11-21 00:00:00
Workplan:	2002-01-24 00:00:00
Prelim Assess:	2002-01-30 00:00:00
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	Not reported

CHEVRON 9-3600 (Continued) **S106117767**

Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 2000-11-21 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Preliminary site assessment underway
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: UI HWANG
RP Address: 909 TRENT ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: BC
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 9
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0002435
Case Number: Not reported
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC

LUST:
Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: Not reported
Case Number: RO0002435
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: 1/30/2002
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 1/30/2002

CHEVRON 9-3600 (Continued) **S106117767**

Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

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114 **LAWLER APARTMENTS** **Notify 65** **S100179333**
NE **431 LEE STREET** **N/A**
1/4-1/2 **OAKLAND, CA 92626**
0.474 mi.
2505 ft.

Relative:
Higher

Actual:
62 ft.

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

AB115 **602 WILLIAM STREET** **US BROWNFIELDS** **1009805908**
WNW **602 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.475 mi.
2509 ft. **Site 1 of 3 in cluster AB**

Relative:
Equal

Actual:
26 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 602 William Street
Parcel #: 008-0644-018
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28083
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 602 William Street
Parcel #: 008-0644-018
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984

602 WILLIAM STREET (Continued) **1009805908**

ACRES property ID: 28083
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

AB116 **608 WILLIAM STREET** **US BROWNFIELDS** **1009805909**
WNW **608 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.480 mi.
2536 ft. **Site 2 of 3 in cluster AB**

Relative: **Equal**

Actual: **26 ft.**

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 608 William Street
Parcel #: 008-0644-019
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28084
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 608 William Street
Parcel #: 008-0644-019
Parcel size: 0.06
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28084
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

AA117 **EXXON** **HAZNET** **S101580163**
NW **2225 TELEGRAPH AVE** **LUST** **N/A**
1/4-1/2 **OAKLAND, CA 94612** **Cortese**
0.481 mi. **CA FID UST**
2540 ft. **Site 3 of 3 in cluster AA** **AIRS**
CS
Relative: **Lower** **SWEEPS UST**

Actual: **23 ft.**

HAZNET:
Gepaid: CAL000121927
Contact: LAM TRUONG
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2225 TELEGRAPH AVE
Mailing City,St,Zip: OAKLAND, CA 946122315
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: .2502
Facility County: 1

Gepaid: CAL000028841
Contact: EXXON CO USA
Telephone: 7136567761
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2180
Mailing City,St,Zip: HOUSTON, TX 772522180
Gen County: 1
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: Treatment, Tank
Tons: .3753
Facility County: 1

Gepaid: CAL000028841
Contact: EXXON CO USA
Telephone: 7136567761
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2180
Mailing City,St,Zip: HOUSTON, TX 772522180
Gen County: 1
TSD EPA ID: CAD009466392
TSD County: 7
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Disposal, Other
Tons: .2000
Facility County: 1

Gepaid: CAL000028841
Contact: EXXON CO USA
Telephone: 7136567761
Facility Addr2: Not reported
Mailing Name: Not reported

EXXON (Continued) **S101580163**

Mailing Address: PO BOX 2180
Mailing City,St,Zip: HOUSTON, TX 772522180
Gen County: 1
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Not reported
Tons: .2085
Facility County: 1

Gepaid: CAL000121927
Contact: LAM TRUONG
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2225 TELEGRAPH AVE
Mailing City,St,Zip: OAKLAND, CA 946122315
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: .2293
Facility County: 1

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600101354
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1992-01-01 00:00:00
Workplan: Not reported
Prelim Assess: 2000-05-11 00:00:00
Pollution Char: 2000-05-11 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1991-11-27 00:00:00
Enforcement Dt: Not reported
Release Date: 1992-01-01 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported

EXXON (Continued) **S101580163**

Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Pollution Characterization
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: WILLIAM WONG
RP Address: PO BOX 4032
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: Not reported
Staff Initials: SP
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 4
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000358
Case Number: 01-1466
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCAWG MTBE = 760 ppb transf. to SOS in 199807/08/1999

LUST:
Region: 2
Facility Status: Remedial action (cleanup) Underway
Facility Id: 01-1466
Case Number: 1039
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 5/31/1988
Pollution Characterization Began: 7/20/1988
Pollution Remediation Plan Submitted: 11/30/1989
Date Remediation Action Underway: 1/2/1991
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 2225 TELEGRAPH AVE

EXXON (Continued) **S101580163**

CA FID UST:
- Facility ID: 01001584
- Regulated By: UTNKA
- Regulated ID: 00016114
- Cortese Code: Not reported
- SIC Code: Not reported
- Facility Phone: 4158324000
- Mail To: Not reported
- Mailing Address: 4550 DACOMA RD
- Mailing Address 2: Not reported
- Mailing City,St,Zip: OAKLAND 94612
- Contact: Not reported
- Contact Phone: Not reported
- DUNs Number: Not reported
- NPDES Number: Not reported
- EPA ID: Not reported
- Comments: Not reported
- Status: Active

EMI:
- Year: 1996
- Carbon Monoxide Emissions Tons/Yr: 1
- Air Basin: SF
- Facility ID: 10390
- Air District Name: BA
- SIC Code: 4953
- Air District Name: BAY AREA AQMD
- Community Health Air Pollution Info System: Not reported
- Consolidated Emission Reporting Rule: Not reported
- Total Organic Hydrocarbon Gases Tons/Yr: 0
- Reactive Organic Gases Tons/Yr: 0
- Carbon Monoxide Emissions Tons/Yr: 0
- NOX - Oxides of Nitrogen Tons/Yr: 0
- SOX - Oxides of Sulphur Tons/Yr: 0
- Particulate Matter Tons/Yr: 0
- Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

- Year: 1997
- Carbon Monoxide Emissions Tons/Yr: 1
- Air Basin: SF
- Facility ID: 10390
- Air District Name: BA
- SIC Code: 4953
- Air District Name: BAY AREA AQMD
- Community Health Air Pollution Info System: Not reported
- Consolidated Emission Reporting Rule: Not reported
- Total Organic Hydrocarbon Gases Tons/Yr: 0
- Reactive Organic Gases Tons/Yr: 0
- Carbon Monoxide Emissions Tons/Yr: 0
- NOX - Oxides of Nitrogen Tons/Yr: 0
- SOX - Oxides of Sulphur Tons/Yr: 0
- Particulate Matter Tons/Yr: 0
- Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

CS:
- Record Id: RO0000358

EXXON (Continued) **S101580163**

- PE: 5602
- Status: Leak being confirmed

- Record Id: RO0000358
- PE: 5602
- Status: Pollution Characterization

- Record Id: RO0000358
- PE: 5602
- Status: Preliminary site assessment underway

SWEEPS UST:
- Status: Not reported
- Comp Number: 16114
- Number: Not reported
- Board Of Equalization: 44-000217
- Ref Date: Not reported
- Act Date: Not reported
- Created Date: Not reported
- Tank Status: Not reported
- Owner Tank Id: Not reported
- Swrcb Tank Id: 01-000-016114-000001
- Actv Date: Not reported
- Capacity: 10000
- Tank Use: M.V. FUEL
- Stg: PRODUCT
- Content: REG UNLEADED
- Number Of Tanks: 4

- Status: Not reported
- Comp Number: 16114
- Number: Not reported
- Board Of Equalization: 44-000217
- Ref Date: Not reported
- Act Date: Not reported
- Created Date: Not reported
- Tank Status: Not reported
- Owner Tank Id: Not reported
- Swrcb Tank Id: 01-000-016114-000002
- Actv Date: Not reported
- Capacity: 6000
- Tank Use: M.V. FUEL
- Stg: PRODUCT
- Content: REG UNLEADED
- Number Of Tanks: Not reported

- Status: Not reported
- Comp Number: 16114
- Number: Not reported
- Board Of Equalization: 44-000217
- Ref Date: Not reported
- Act Date: Not reported
- Created Date: Not reported
- Tank Status: Not reported
- Owner Tank Id: Not reported
- Swrcb Tank Id: 01-000-016114-000003
- Actv Date: Not reported

EXXON (Continued) **S101580163**

Capacity: 6000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 16114
Number: Not reported
Board Of Equalization: 44-000217
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-016114-000004
Actv Date: Not reported
Capacity: 550
Tank Use: OIL
Stg: WASTE
Content: WASTE OIL
Number Of Tanks: Not reported

Status: A
Comp Number: 16114
Number: 1
Board Of Equalization: 44-000217
Ref Date: 05-08-92
Act Date: 05-08-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 7-0235-4B
Swrcb Tank Id: 01-000-016114-000005
Actv Date: 05-08-92
Capacity: 1000
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: 4

Status: A
Comp Number: 16114
Number: 1
Board Of Equalization: 44-000217
Ref Date: 05-08-92
Act Date: 05-08-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 7-0235-1B
Swrcb Tank Id: 01-000-016114-000006
Actv Date: 05-08-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

EXXON (Continued) **S101580163**

Status: A
Comp Number: 16114
Number: 1
Board Of Equalization: 44-000217
Ref Date: 05-08-92
Act Date: 05-08-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 7-0235-2B
Swrcb Tank Id: 01-000-016114-000007
Actv Date: 05-08-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 16114
Number: 1
Board Of Equalization: 44-000217
Ref Date: 05-08-92
Act Date: 05-08-92
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 7-0235-3B
Swrcb Tank Id: 01-000-016114-000008
Actv Date: 05-08-92
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Z118 **571 19TH STREET** **US BROWNFIELDS** **1009805895**
WNW **571 19TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.481 mi.
2541 ft. **Site 2 of 2 in cluster Z**

Relative:
Higher

Actual:
30 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 571 19th Street
Parcel #: 008-0642-010-01
Parcel size: 0.22
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28005
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

571 19TH STREET (Continued) **1009805895**

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 571 19th Street
Parcel #: 008-0642-010-01
Parcel size: 0.22
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28005
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

AB119 **610 WILLIAM STREET** **US BROWNFIELDS** **1009805911**
WNW **610 WILLIAM STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.482 mi.
2547 ft. **Site 3 of 3 in cluster AB**

Relative:
Equal

Actual:
26 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 610 William Street
Parcel #: 008-0644-020
Parcel size: 0.05
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28085
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Private

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 610 William Street
Parcel #: 008-0644-020
Parcel size: 0.05
Latitude: 37.81015
Longitude: -122.2718
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28085
Start date: 7/1/2005
Complete date: 7/1/2005

610 WILLIAM STREET (Continued) **1009805911**

Accomplishment: Phase III Environmental Assessment
Ownership entity: Private

AC120 **EBMUD / CITY OF OAKLAND REDEVELOPMENT AGENCY** **CS** **S108724722**
SW **383 11TH ST** **N/A**
1/4-1/2 **OAKLAND, CA 94607**
0.488 mi.
2579 ft. **Site 1 of 4 in cluster AC**

Relative:
Higher

Actual:
43 ft.

CS:
Record Id: RO0002947
PE: 5602
Status: Remedial action (cleanup) Underway

Record Id: RO0002947
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0002947
PE: 5602
Status: Leak being confirmed

Record Id: RO0002947
PE: 5602
Status: Post remedial action monitoring

AC121 **EBMUD / CITY OF OAKLAND REDEVELOPMENT AGENCY** **LUST** **S108935367**
SW **383 11TH** **N/A**
1/4-1/2 **OAKLAND, CA 94607**
0.488 mi.
2579 ft. **Site 2 of 4 in cluster AC**

Relative:
Higher

Actual:
43 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600191509
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1987-04-23 00:00:00
Workplan: Not reported
Prelim Assess: 1987-08-27 00:00:00
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: 1988-03-18 00:00:00
Monitoring: 1988-03-18 00:00:00
Close Date: Not reported
Discover Date: 1987-04-23 00:00:00
Enforcement Dt: Not reported
Release Date: 1988-01-21 00:00:00
Review Date: Not reported

EBMUD / CITY OF OAKLAND REDEVELOPMENT AGENCY (Continued) **S108935367**

Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Post remedial action monitoring
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: WILLIAM WILKINS
RP Address: 375 11TH ST, MAIL STOP 704
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: BC
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0002947
Case Number: 01S0177
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

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122 **BILL COX CADILLAC & BUICK** **HAZNET S101580351**
NNE **230 BAY PL** **LUST N/A**
1/4-1/2 **OAKLAND, CA 94612** **Cortese**
0.490 mi. **CA FID UST**
2587 ft. **CS**

Relative:
Lower

Actual:
14 ft.

HAZNET:
Gepaid: CAC002572746
Contact: ALLEN CHATMAN
Telephone: 3128530007
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 350 W HUBBARD STE 401
Mailing City,St,Zip: CHICAGO, IL 60610
Gen County: Alameda
TSD EPA ID: CAD981382732
TSD County: Alameda

BILL COX CADILLAC & BUICK (Continued) **S101580351**

Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Tons: 3.37
Facility County: Not reported

Gepaid: CAC002589211
Contact: ROBERT BOND
Telephone: 3128530070
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 350 W HUBBARD ST STE 4560
Mailing City,St,Zip: CHICAGO, IL 60610
Gen County: Alameda
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: Transfer Station
Tons: 0.9
Facility County: Not reported

Gepaid: CAC002598994
Contact: ISABELLE MATHIEU
Telephone: 3103954250
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1317 5TH ST 3RD FL
Mailing City,St,Zip: SANTA MONICA, CA 90401
Gen County: Alameda
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 2.1
Facility County: 1

Gepaid: CAC002589211
Contact: ROBERT BOND
Telephone: 3128530070
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 350 W HUBBARD ST STE 4560
Mailing City,St,Zip: CHICAGO, IL 60610
Gen County: Alameda
TSD EPA ID: CAD980675276
TSD County: Kern
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Disposal, Land Fill
Tons: 15.17
Facility County: 1

Gepaid: CAC002605642
Contact: ISABELLE MATHIEU
Telephone: 3103954250
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1317 5TH ST 3RD FL
Mailing City,St,Zip: SANTA MONICA, CA 90401

BILL COX CADILLAC & BUICK (Continued) **S101580351**

Gen County: Alameda
TSD EPA ID: CAD980887418
TSD County: Alameda
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 3.33
Facility County: 1

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100193
Stop Date: 9999-09-09 00:00:00
Confirm Leak: 1988-12-05 00:00:00
Workplan: 1993-02-04 00:00:00
Prelim Assess: 1993-12-23 00:00:00
Pollution Char: 1993-12-23 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Discover Date: 1988-12-01 00:00:00
Enforcement Dt: Not reported
Release Date: 1988-12-05 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Pollution Characterization
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: STEPHEN WILSON
RP Address: PINE ST
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: DH

BILL COX CADILLAC & BUICK (Continued) **S101580351**

Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000148
Case Number: 01-0207
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3HSCA Br
m05/28/199910/14/1998

LUST:
Region: 2
Facility Status: Preliminary site assessment underway
Facility Id: 01-0207
Case Number: 494
How Discovered: Tank Closure
Leak Cause: Corrosion
Leak Source: Piping
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: 1/2/1965
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 230 Bay Pl

CA FID UST:
Facility ID: 01002566
Regulated By: UTNKA
Regulated ID: 00009158
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4154512400
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94612
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported

BILL COX CADILLAC & BUICK (Continued) **S101580351**

EPA ID: Not reported
Comments: Not reported
Status: Active

CS:
Record Id: RO0000148
PE: 5602
Status: Preliminary site assessment workplan submitted

Record Id: RO0000148
PE: 5602
Status: Preliminary site assessment underway

Record Id: RO0000148
PE: 5602
Status: Pollution Characterization

Record Id: RO0000148
PE: 5602
Status: Leak being confirmed

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123 **CHAMPLIN FAMILY TRUST** **HAZNET** **S103723099**
ENE **485 ELLITA AVE** **LUST** **N/A**
1/4-1/2 **OAKLAND, CA 94610** **Cortese**
0.490 mi. **CS**
2589 ft.

Relative:
Lower

Actual:
17 ft.

HAZNET:
Gepaid: CAC001172584
Contact: CHAMPLIN FAMILY
Telephone: 5106553372
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1819 OAKLAND AVE
Mailing City,St,Zip: PIEDMONT, CA 946110000
Gen County: 1
TSD EPA ID: CAL000161743
TSD County: Santa Clara
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: 1.7514
Facility County: 1

Gepaid: CAC001172584
Contact: CHAMPLIN FAMILY
Telephone: 5106553372
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 1819 OAKLAND AVE
Mailing City,St,Zip: PIEDMONT, CA 946110000
Gen County: 1
TSD EPA ID: CAL000161743
TSD County: Santa Clara
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 3.5445
Facility County: 1

CHAMPLIN FAMILY TRUST (Continued) **S103723099**

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600102270
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1999-01-29 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1998-08-24 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Heater Fuel
Contact Person: Not reported
Responsible Party: TOM VINSON
RP Address: 1819 OAKLAND AVE
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: BC
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 1
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000816
Case Number: 01-2462
Qty Leaked: 0
Abate Method: Not reported

CHAMPLIN FAMILY TRUST (Continued) **S103723099**

Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3,h,s,c 01/29/199901/04/1999

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-2462
Case Number: 6609
How Discovered: Tank Closure
Leak Cause: Corrosion
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 485 Ellita Ave

CS:
Record Id: RO0000816
PE: 5602
Status: Case Closed

124
NNW
1/4-1/2
0.490 mi.
2588 ft.

Relative:
Equal

Actual:
26 ft.

NEGHERBON AUTO CENTER
2345 BROADWAY
OAKLAND, CA 94612

RCRA-SQG **1000595611**
FINDS **CAD983595612**
HAZNET
LUST
Cortese
AIRS
CS

RCRA-SQG:
Date form received by agency: 06/04/2001
Facility name: NEGHERBON AUTO CENTER
Facility address: 2345 BROADWAY
OAKLAND, CA 94612
EPA ID: CAD983595612
Contact: DENNIS MILLER
Contact address: 2345 BROADWAY
OAKLAND, CA 94612
Contact country: US
Contact telephone: (510) 773-2362
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator

NEGHERBON AUTO CENTER (Continued) **1000595611**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: N A C 2000 L L C
Owner/operator address: 2345 BROADWAY
OAKLAND, CA 94612
Owner/operator country: Not reported
Owner/operator telephone: (510) 588-2550
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002

NEGHERBON AUTO CENTER (Continued) **1000595611**

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:

Gepaid: CAD983595612
Contact: FRANK C NEGHERBON
Telephone: 5108937282
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2086
Mailing City,St,Zip: OAKLAND, CA 946042086
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Not reported
Disposal Method: Transfer Station
Tons: .0000
Facility County: 1

Gepaid: CAD983595612
Contact: FRANK C NEGHERBON
Telephone: 5108937282
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2086
Mailing City,St,Zip: OAKLAND, CA 946042086
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 3.2442
Facility County: 1

Gepaid: CAD983595612
Contact: FRANK C NEGHERBON
Telephone: 5108937282
Facility Addr2: Not reported
Mailing Name: Not reported

NEGHERBON AUTO CENTER (Continued) **1000595611**

Mailing Address: PO BOX 2086
Mailing City,St,Zip: OAKLAND, CA 946042086
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 2.0850
Facility County: 1

Gepaid: CAD983595612
Contact: FRANK C NEGHERBON
Telephone: 5108937282
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2086
Mailing City,St,Zip: OAKLAND, CA 946042086
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Tons: 1.0216
Facility County: 1

Gepaid: CAD983595612
Contact: FRANK C NEGHERBON
Telephone: 5108937282
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2086
Mailing City,St,Zip: OAKLAND, CA 946042086
Gen County: 1
TSD EPA ID: CAD053044053
TSD County: 1
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Not reported
Tons: .5043
Facility County: 1

Click this hyperlink while viewing on your computer to access
49 additional CA_HAZNET: record(s) in the EDR Site Report.

LUST:

Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100957
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported

NEGHERBON AUTO CENTER (Continued) **1000595611**

Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1994-09-13 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1991-08-06 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: GARY NEGHERBON
RP Address: 2345 BROADWAY
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: JE
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0001190
Case Number: 01-1037
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 3WHSCA 109/13/1994

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1037
Case Number: 1099
How Discovered: Tank Closure

NEGHERBON AUTO CENTER (Continued) **1000595611**

Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: 3/4/1992
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 2345 BROADWAY

EMI:
Year: 2001
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 12434
Air District Name: BA
SIC Code: 5511
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2003
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 12434
Air District Name: BA
SIC Code: 5511
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2004
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 12434
Air District Name: BA
SIC Code: 5511

NEGHERBON AUTO CENTER (Continued) **1000595611**

Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.08
Reactive Organic Gases Tons/Yr:	0.032
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
Carbon Monoxide Emissions Tons/Yr:	1
Air Basin:	SF
Facility ID:	12434
Air District Name:	BA
SIC Code:	5511
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.08
Reactive Organic Gases Tons/Yr:	.032
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

CS:

Record Id:	RO0001190
PE:	5602
Status:	Case Closed

AD125 **565 20TH STREET** **US BROWNFIELDS** **1009805891**
WNW **565 20TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.491 mi.
2593 ft. **Site 1 of 2 in cluster AD**

Relative:
Lower

Actual:
24 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	565 20th Street
Parcel #:	008-0644-038
Parcel size:	0.06
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28012
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

565 20TH STREET (Continued) **1009805891**

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	565 20th Street
Parcel #:	008-0644-038
Parcel size:	0.06
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28012
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

AE126 **1800 SAN PABLO AVENUE** **US BROWNFIELDS** **1009805732**
WNW **1800 SAN PABLO AVENUE** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.493 mi.
2601 ft. **Site 1 of 5 in cluster AE**

Relative:
Higher

Actual:
34 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	1800 San Pablo Avenue
Parcel #:	008-0642-006
Parcel size:	0.08
Latitude:	37.80835
Longitude:	-122.27266
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	27821
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	1800 San Pablo Avenue
Parcel #:	008-0642-006
Parcel size:	0.08
Latitude:	37.80835
Longitude:	-122.27266
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	27821
Start date:	7/1/2005
Complete date:	7/1/2005

1800 SAN PABLO AVENUE (Continued) **1009805732**

Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

AE127 **568 18TH STREET** **US BROWNFIELDS** **1009805893**
WNW **568 18TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.493 mi.
2601 ft. **Site 2 of 5 in cluster AE**

Relative:
Higher

Actual:
34 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 568 18th Street
Parcel #: 008-0642-005-01
Parcel size: 0.13
Latitude: 37.80835
Longitude: -122.27266
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28002
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 568 18th Street
Parcel #: 008-0642-005-01
Parcel size: 0.13
Latitude: 37.80835
Longitude: -122.27266
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 28002
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

AE128 **FOX COURTS SITE** **US BROWNFIELDS** **1010340805**
WNW **SAN PABLO AVENUE & 18TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.493 mi.
2601 ft. **Site 3 of 5 in cluster AE**

Relative:
Higher

Actual:
34 ft.

US BROWNFIELDS:
Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site

FOX COURTS SITE (Continued) **1010340805**

Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 12/31/1990
Complete date: 1/9/1991
Accomplishment: Phase I Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 12/31/1990
Complete date: 1/9/1991
Accomplishment: Phase I Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 12/31/1990
Complete date: 1/9/1991
Accomplishment: Phase I Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056

FOX COURTS SITE (Continued) **1010340805**

Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 12/31/1990
Complete date: 1/9/1991
Accomplishment: Phase I Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 12/31/1990
Complete date: 1/9/1991
Accomplishment: Phase I Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 7/1/1991
Complete date: 8/1/1991
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection

FOX COURTS SITE (Continued) **1010340805**

Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 7/1/1991
Complete date: 8/1/1991
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 7/1/1991
Complete date: 8/1/1991
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 7/1/1991
Complete date: 8/1/1991
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984

FOX COURTS SITE (Continued) **1010340805**

ACRES property ID: 55481
Start date: 7/1/1991
Complete date: 8/1/1991
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 6/19/2005
Complete date: 7/19/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 6/19/2005
Complete date: 7/19/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 6/19/2005
Complete date: 7/19/2005

FOX COURTS SITE (Continued) **1010340805**

Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 6/19/2005
Complete date: 7/19/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 6/19/2005
Complete date: 7/19/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/1/2007
Complete date: 8/1/2007
Accomplishment: Cleanup Activity
Ownership entity: Government

FOX COURTS SITE (Continued) **1010340805**

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/1/2007
Complete date: 8/1/2007
Accomplishment: Cleanup Activity
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/1/2007
Complete date: 8/1/2007
Accomplishment: Cleanup Activity
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/1/2007
Complete date: 8/1/2007
Accomplishment: Cleanup Activity
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site

FOX COURTS SITE (Continued) **1010340805**

Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/1/2007
Complete date: 8/1/2007
Accomplishment: Cleanup Activity
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/16/2007
Complete date: 8/16/2007
Accomplishment: Acres Cleaned Up
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/16/2007
Complete date: 8/16/2007
Accomplishment: Acres Cleaned Up
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056

FOX COURTS SITE (Continued) **1010340805**

Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/16/2007
Complete date: 8/16/2007
Accomplishment: Acres Cleaned Up
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/16/2007
Complete date: 8/16/2007
Accomplishment: Acres Cleaned Up
Ownership entity: Government

Recipient Name: Oakland Redevelopment Agency
Project Name: Oakland Redev Agency, CA (C06)
Name: Fox Courts Site
Parcel #: 0080642017-00
Parcel size: 1.1
Latitude: 37.808056
Longitude: 122.271667
Region: 9
HCM: Address Matching-Nearest Intersection
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 55481
Start date: 8/16/2007
Complete date: 8/16/2007
Accomplishment: Acres Cleaned Up
Ownership entity: Government

AE129 **1810 SAN PABLO AVENUE** **US BROWNFIELDS** **1009805733**
WNW **1810 SAN PABLO AVENUE** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.496 mi.
2618 ft. **Site 4 of 5 in cluster AE**

Relative:
Higher

Actual:
34 ft.

US BROWNFIELDS:
Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 1810 San Pablo Avenue
Parcel #: 008-0642-005-02
Parcel size: 0.11
Latitude: 37.80835
Longitude: -122.27266
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 27841
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase II Environmental Assessment
Ownership entity: Government

Recipient Name: City of Oakland
Project Name: Oakland, CA (A03)
Name: 1810 San Pablo Avenue
Parcel #: 008-0642-005-02
Parcel size: 0.11
Latitude: 37.80835
Longitude: -122.27266
Region: 9
HCM: Address Matching-House Number
Map scale: 1:24,000
Point of reference: Entrance Point of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 27841
Start date: 7/1/2005
Complete date: 7/1/2005
Accomplishment: Phase III Environmental Assessment
Ownership entity: Government

AC130 **OFFICE OF THE PRESIDENT U** **HAZNET** **S103623124**
SW **1111 FRANKLIN** **Cortese** **N/A**
1/4-1/2 **OAKLAND, CA 94607**
0.497 mi.
2622 ft. **Site 3 of 4 in cluster AC**

Relative:
Higher

Actual:
43 ft.

HAZNET:
Gepaid: CAC001240288
Contact: OAKLAND DEV LLC
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 4275 EXECUTIVE SQUARE #328
Mailing City,St,Zip: LA JOLLA, CA 920370000
Gen County: 1
TSD EPA ID: CAD009466392
TSD County: 7

OFFICE OF THE PRESIDENT U (Continued) **S103623124**

Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: .5000
Facility County: 1

Gepaid: CAC001240288
Contact: OAKLAND DEV LLC
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 4275 EXECUTIVE SQUARE #328
Mailing City,St,Zip: LA JOLLA, CA 920370000
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .8840
Facility County: 1

Cortese:
Region: CORTESE
Facility Addr2: Not reported

AC131 **OFFICE OF THE PRESIDENT UC** **LUST S103576558**
SW **1111 FRANKLIN ST** **CS N/A**
1/4-1/2 **OAKLAND, CA 94607**
0.497 mi.
2622 ft. **Site 4 of 4 in cluster AC**

Relative:
Higher

Actual:
43 ft.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600102066
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1998-01-08 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1997-01-21 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported

OFFICE OF THE PRESIDENT UC (Continued) **S103576558**

Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Diesel
Contact Person: Not reported
Responsible Party: ROBERT WURL
RP Address: 4275 EXECUTIVE SQ STE328
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: Not reported
Staff Initials: LS
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 6
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0001007
Case Number: 01-2250
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 01/08/1998

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-2250
Case Number: 6253
How Discovered: Tank Closure
Leak Cause: Spill
Leak Source: UNK
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: 11/21/1997

CS:

OFFICE OF THE PRESIDENT UC (Continued) **S103576558**

Record Id: RO0001007
PE: 5602
Status: Case Closed

AE132 **1818 SAN PABLO AVENUE** **US BROWNFIELDS** **1009805734**
WNW **1818 SAN PABLO AVENUE** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.499 mi.
2634 ft. **Site 5 of 5 in cluster AE**

Relative:
Higher

Actual:
34 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	1818 San Pablo Avenue
Parcel #:	008-0642-007
Parcel size:	0.1
Latitude:	37.80835
Longitude:	-122.27266
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	27843
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	1818 San Pablo Avenue
Parcel #:	008-0642-007
Parcel size:	0.1
Latitude:	37.80835
Longitude:	-122.27266
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	27843
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

AD133 **571 20TH STREET** **US BROWNFIELDS** **1009805896**
WNW **571 20TH STREET** **N/A**
1/4-1/2 **OAKLAND, CA 94612**
0.499 mi.
2634 ft. **Site 2 of 2 in cluster AD**

Relative:
Lower

Actual:
25 ft.

US BROWNFIELDS:

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	571 20th Street
Parcel #:	008-0644-037
Parcel size:	0.05
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28013
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase II Environmental Assessment
Ownership entity:	Government

Recipient Name:	City of Oakland
Project Name:	Oakland, CA (A03)
Name:	571 20th Street
Parcel #:	008-0644-037
Parcel size:	0.05
Latitude:	37.81015
Longitude:	-122.2718
Region:	9
HCM:	Address Matching-House Number
Map scale:	1:24,000
Point of reference:	Entrance Point of a Facility or Station
Datum:	World Geodetic System of 1984
ACRES property ID:	28013
Start date:	7/1/2005
Complete date:	7/1/2005
Accomplishment:	Phase III Environmental Assessment
Ownership entity:	Government

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134 **OAKLAND CITY HALL** **Notify 65** **1000277317**
West **#1 CITY HALL PLAZA** **RCRA-SQG** **CAD980892004**
1/4-1/2 **OAKLAND, CA 94612** **FINDS**
0.499 mi. **LUST**
2636 ft. **Cortese**

Relative:
Higher

Actual:
41 ft.

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92626

RCRA-SQG:
Date form received by agency: 09/01/1996

OAKLAND CITY HALL (Continued) **1000277317**

Facility name: OAKLAND CITY HALL
Facility address: #1 CITY HALL PLAZA
OAKLAND, CA 94612
EPA ID: CAD980892004
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: County
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF OAKLAND
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

OAKLAND CITY HALL (Continued) **1000277317**

Historical Generators:
Date form received by agency: 10/08/1985
Facility name: OAKLAND CITY HALL
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:
Region: STATE
Case Type: Other ground water affected
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: OM
How Stopped: Other Means
Leak Cause: Unknown
Leak Source: Unknown
Global Id: T0600100986
Stop Date: 9999-09-09 00:00:00
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1995-02-21 00:00:00
Discover Date: 9999-09-09 00:00:00
Enforcement Dt: Not reported
Release Date: 1989-07-15 00:00:00
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 1
Org Name: Not reported
Reg Board: San Francisco Bay Region
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: JULIE CARVER
RP Address: 1333 BROADWAY SUITE 1001
Interim: Not reported

OAKLAND CITY HALL (Continued) **1000277317**

Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: Not reported
Staff Initials: Not reported
Lead Agency: Local Agency
Local Agency: 01000L
Hydr Basin #: Not reported
Beneficial: MUN
Priority: 9
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: RO0000954
Case Number: 01-1069
Qty Leaked: 0
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: LUFT Con. LC 2HSBA Ho02/10/1995

LUST:
Region: 2
Facility Status: Case Closed
Facility Id: 01-1069
Case Number: 3791
How Discovered: Tank Closure
Leak Cause: Structure Failure
Leak Source: Tank
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assesment Wokplan Submitted: Not reported
Preliminary Site Assesment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

Cortese:
Region: CORTESE
Facility Addr2: 1 CITY HALL PLAZA

135 **SERVICE STATION** **Notify 65** **S100178955**
NW **2225 TELEGRAPH AVENUE** **N/A**
1/2-1 **OAKLAND, CA 92626**
0.528 mi.
2786 ft.

Relative: **Lower**

Actual: **23 ft.**

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

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136 **SERVICE STATION** **Notify 65** **S100178954**
ENE **500 GRAND AVENUE** **N/A**
1/2-1 **OAKLAND, CA 92626**
0.669 mi.
3530 ft.

Relative: **Lower**

Actual: **25 ft.**

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

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137 **BROADWAY VOLKSWAGON** **Notify 65** **S100178913**
North **2749 BROADWAY** **N/A**
1/2-1 **OAKLAND, CA 92626**
0.722 mi.
3812 ft.

Relative: **Higher**

Actual: **42 ft.**

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

---

138 **LANEY COLLEGE** **Notify 65** **U000057248**
SSW **600 FALLON STREET** **N/A**
1/2-1 **OAKLAND, CA 92626**
0.753 mi.
3974 ft.

Relative: **Lower**

Actual: **19 ft.**

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

139
ESE
1/2-1
0.755 mi.
3986 ft.

Relative:
Higher

Actual:
28 ft.

YUEN'S EXXON SERVICE
1901 PARK BOULEVARD
OAKLAND, CA 92626

Notify 65 **S100179440**
N/A

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

AF140
ENE
1/2-1
0.776 mi.
4096 ft.

Relative:
Higher

Actual:
62 ft.

UNOCAL SERVICE STATION #3538
411 WEST MAC ARTHUR
OAKLAND, CA 92626

Site 1 of 2 in cluster AF

Notify 65 **S100179194**
N/A

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

AF141
ENE
1/2-1
0.776 mi.
4096 ft.

Relative:
Higher

Actual:
62 ft.

MOSSWOOD UNION
411 WEST MACARTHUR
OAKLAND, CA 92626

Site 2 of 2 in cluster AF

Notify 65 **S100179184**
N/A

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

142
North
1/2-1
0.806 mi.
4254 ft.

Relative:
Higher

Actual:
46 ft.

EUROPEAN MOTORS
2915 BROADWAY
OAKLAND, CA 94611

Notify 65 **1000340156**
RCRA-SQG **CAD982486714**
FINDS
HAZNET
CA FID UST
HIST UST
CS
SWEEPS UST

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported

EUROPEAN MOTORS (Continued) **1000340156**

Incident Description: 92626

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: EUROPEAN MOTORS
Facility address: 2915 BROADWAY
OAKLAND, CA 94611
EPA ID: CAD982486714
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EUROPEAN MOTORS LTD
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

EUROPEAN MOTORS (Continued) **1000340156**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:
Date form received by agency: 04/23/1990
Facility name: EUROPEAN MOTORS
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 03/24/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:
Other Pertinent Environmental Activity Identified at Site

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HAZNET:
Gepaid: CAD982486714
Contact: JULES BARSOTTI
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2915 BROADWAY
Mailing City,St,Zip: OAKLAND, CA 946115710
Gen County: 1
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 3.1275
Facility County: 1

Gepaid: CAD982486714
Contact: JULES BARSOTTI
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2915 BROADWAY
Mailing City,St,Zip: OAKLAND, CA 946115710
Gen County: 1
TSD EPA ID: CAD009452657

EUROPEAN MOTORS (Continued) **1000340156**

TSD County: San Mateo
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Recycler
Tons: .2293
Facility County: 1

Gepaid: CAD982486714
Contact: JULES BARSOTTI
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2915 BROADWAY
Mailing City,St,Zip: OAKLAND, CA 946115710
Gen County: 1
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Not reported
Disposal Method: Recycler
Tons: .0000
Facility County: 1

Gepaid: CAD982486714
Contact: JULES BARSOTTI
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2915 BROADWAY
Mailing City,St,Zip: OAKLAND, CA 946115710
Gen County: 1
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Not reported
Tons: .2293
Facility County: 1

Gepaid: CAD982486714
Contact: JULES BARSOTTI
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 2915 BROADWAY
Mailing City,St,Zip: OAKLAND, CA 946115710
Gen County: 1
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 3.7738
Facility County: 1

Click this hyperlink while viewing on your computer to access
21 additional CA_HAZNET: record(s) in the EDR Site Report.

CA FID UST:
Facility ID: 01002006
Regulated By: UTNKI

EUROPEAN MOTORS (Continued) **1000340156**

Regulated ID: 00014124
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 4158326030
Mail To: Not reported
Mailing Address: 2915 BROADWAY
Mailing Address 2: Not reported
Mailing City,St,Zip: OAKLAND 94611
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

HIST UST:
Region: STATE
Facility ID: 00000014124
Facility Type: Other
Other Type: NEW CAR DEALER
Total Tanks: 0004
Contact Name: JOHN SANBORN
Telephone: 4158326030
Owner Name: EUROPEAN MOTORS, LTD.
Owner Address: 2915 BROADWAY
Owner City,St,Zip: OAKLAND, CA 94611

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 3

EUROPEAN MOTORS (Continued) **1000340156**

Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: Not reported
Leak Detection: Stock Inventor

CS:
Record Id: RO0000702
PE: 5602
Status: Case Closed

SWEEPS UST:
Status: Not reported
Comp Number: 14124
Number: Not reported
Board Of Equalization: 44-000206
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-014124-000001
Actv Date: Not reported
Capacity: 1000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 14124
Number: Not reported
Board Of Equalization: 44-000206
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 01-000-014124-000002
Actv Date: Not reported
Capacity: 500
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 14124
Number: Not reported
Board Of Equalization: 44-000206
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported

EUROPEAN MOTORS (Continued) **1000340156**

Swrcb Tank Id:	01-000-014124-000003
Actv Date:	Not reported
Capacity:	500
Tank Use:	OIL
Stg:	WASTE
Content:	WASTE OIL
Number Of Tanks:	4
Status:	Not reported
Comp Number:	14124
Number:	Not reported
Board Of Equalization:	44-000206
Ref Date:	Not reported
Act Date:	Not reported
Created Date:	Not reported
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	01-000-014124-000004
Actv Date:	Not reported
Capacity:	4000
Tank Use:	M.V. FUEL
Stg:	PRODUCT
Content:	DIESEL
Number Of Tanks:	Not reported
Status:	A
Comp Number:	14124
Number:	9
Board Of Equalization:	44-000206
Ref Date:	06-04-93
Act Date:	11-22-93
Created Date:	02-29-88
Tank Status:	Not reported
Owner Tank Id:	Not reported
Swrcb Tank Id:	Not reported
Actv Date:	Not reported
Capacity:	Not reported
Tank Use:	Not reported
Stg:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

143
SSW
1/2-1
0.817 mi.
4316 ft.

LAKESIDE NON-FERROUS METALS CORP **ENVIROSTOR** **S102008207**
412 MADISON STREET **N/A**
OAKLAND, CA 94607

Relative:
Lower

Actual:
15 ft.

ENVIROSTOR:

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.69
NPL:	NO
Regulatory Agencies:	SMBRP, ALAMEDA COUNTY
Lead Agency:	ALAMEDA COUNTY
Program Manager:	EDGARDO GILLERA
Supervisor:	Denise Tsuji
Division Branch:	North Coast

LAKESIDE NON-FERROUS METALS CORP (Continued) **S102008207**

Facility ID:	01350115
Site Code:	201468
Assembly:	16
Senate:	09
Special Program:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	2003-06-30 00:00:00
Restricted Use:	NO
Funding:	EPA Grant
Latitude:	37.795
Longitude:	-122.268611111111
Alias Name:	Not reported
Alias Type:	Not reported
APN:	NONE SPECIFIED
APN Description:	Not reported
Comments:	Not reported
Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Confirmed:	NONE SPECIFIED
Confirmed Description:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Media Affected:	SOIL
Media Affected Desc:	Soil
Management Required:	NONE SPECIFIED
Management Required Desc:	Not reported
Potential:	30013, 30407
Potenital Description:	Lead
Potenital Description:	Nickel
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported
PastUse:	RECYCLING - SCRAP METAL

144
SW
1/2-1
0.825 mi.
4358 ft.

P. E. O'HAIR & CO. **Notify 65** **S100179449**
309 FOURTH STREET **N/A**
OAKLAND, CA 92626

Relative:
Lower

Actual:
21 ft.

Notify 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92626

145
NNW
1/2-1
0.855 mi.
4514 ft.

Relative:
Higher

Actual:
29 ft.

MOSTLY MUSTANGS
2576 MARTIN LUTHER KING
OAKLAND, CA 94612

Notify 65
LUST
Cortese

S100226828
N/A

Notify 65:
- Date Reported: Not reported
- Staff Initials: Not reported
- Board File Number: Not reported
- Facility Type: Not reported
- Discharge Date: Not reported
- Incident Description: 92626

LUST:
- Region: STATE
- Case Type: Other ground water affected
- Cross Street: Not reported
- Enf Type: Not reported
- Funding: OEFA
- How Discovered: OM
- How Stopped: Other Means
- Leak Cause: Unknown
- Leak Source: Unknown
- Global Id: T0600100942
- Stop Date: 9999-09-09 00:00:00
- Confirm Leak: Not reported
- Workplan: Not reported
- Prelim Assess: Not reported
- Pollution Char: Not reported
- Remed Plan: Not reported
- Remed Action: Not reported
- Monitoring: Not reported
- Close Date: 1997-03-24 00:00:00
- Discover Date: 9999-09-09 00:00:00
- Enforcement Dt: Not reported
- Release Date: 1989-08-11 00:00:00
- Review Date: Not reported
- Enter Date: Not reported
- MTBE Date: Not reported
- GW Qualifier: Not reported
- Soil Qualifier: Not reported
- Max MTBE GW ppb: Not reported
- Max MTBE Soil ppb: Not reported
- County: 1
- Org Name: Not reported
- Reg Board: San Francisco Bay Region
- Status: Case Closed
- Chemical: Waste Oil
- Contact Person: Not reported
- Responsible Party: JACK SCHOLL
- RP Address: 2576 MARTIN LUTHER KING JR WAY
- Interim: Not reported
- Oversight Prgm: LUST
- MTBE Class: *
- MTBE Conc: 0
- MTBE Fuel: 0
- MTBE Tested: Not Required to be Tested.
- Staff: Not reported

MOSTLY MUSTANGS (Continued) **S100226828**

- Staff Initials: TP
- Lead Agency: Local Agency
- Local Agency: 01000L
- Hydr Basin #: Not reported
- Beneficial: MUN
- Priority: 6
- Cleanup Fund Id: Not reported
- Work Suspended: Not reported
- Local Case #: RO0001596
- Case Number: 01-1021
- Qty Leaked: 0
- Abate Method: Not reported
- Operator: Not reported
- Water System Name: Not reported
- Well Name: Not reported
- Distance To Lust: 0
- Waste Discharge Global ID: Not reported
- Waste Disch Assigned Name: Not reported
- Summary: LUFT Con. LC 2SCA Br03/24/199707/12/1994

LUST:
- Region: 2
- Facility Status: Case Closed
- Facility Id: 01-1021
- Case Number: 1089
- How Discovered: Tank Closure
- Leak Cause: Structure Failure
- Leak Source: Tank
- Date Leak Confirmed: 3/12/1992
- Oversight Program: LUST
- Prelim. Site Assesment Wokplan Submitted: Not reported
- Preliminary Site Assesment Began: Not reported
- Pollution Characterization Began: Not reported
- Pollution Remediation Plan Submitted: Not reported
- Date Remediation Action Underway: Not reported
- Date Post Remedial Action Monitoring Began: Not reported

Cortese:
- Region: CORTESE
- Facility Addr2: 2576 Martin L King Way

AG146
WSW
1/2-1
0.882 mi.
4655 ft.

Site 1 of 2 in cluster AG

Relative:
Higher

Actual:
29 ft.

FRANCIS PLATING OF OAKLAND INC
785 7TH ST
OAKLAND, CA 94607

CERCLIS
RCRA-SQG
FINDS
HAZNET
RCRA-TSDF
CORRACTS
HIST UST

1000308458
CAD009206160

CERCLIS:
- Site ID: 0903278
- Federal Facility: Not a Federal Facility
- NPL Status: Not on the NPL
- Non NPL Status: Deferred to RCRA

CERCLIS Site Contact Name(s):

FRANCIS PLATING OF OAKLAND INC (Continued) **1000308458**

Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Katherine Lawrence
Contact Tel: (415) 972-3039
Contact Title: On-Scene Coordinator (OSC)

Contact Name: Bret Moxley
Contact Tel: (415) 972-3114
Contact Title: On-Scene Coordinator (OSC)

Contact Name: Hedy Salter
Contact Tel: (415) 972-3046
Contact Title: On-Scene Coordinator (OSC)

Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095
Contact Title: Site Assessment Manager (SAM)

Contact Name: Nuria Muniz
Contact Tel: (415) 972-3811
Contact Title: Site Assessment Manager (SAM)

Site Description: DEFERAL BASED ON SCHEDULE MM

CERCLIS Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 06/12/1990
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 08/28/1990
Priority Level: Deferred to RCRA (Subtitle C)

Action: Notice Letters Issued
Date Started: Not reported
Date Completed: 11/20/1992
Priority Level: Not reported

Action: REMOVAL COMMUNITY RELATIONS
Date Started: 11/18/1992
Date Completed: 12/28/1992
Priority Level: Not reported

Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started: 11/18/1992
Date Completed: 12/31/1992
Priority Level: Search Complete, Viable PRPs

Action: ADMINISTATIVE/VOLUNTARY COST RECOVERY
Date Started: Not reported
Date Completed: 09/28/1993
Priority Level: Not reported

Action: COST RECOVERY NEGOTIATIONS

FRANCIS PLATING OF OAKLAND INC (Continued) **1000308458**

Date Started: 07/23/1993
Date Completed: 12/12/1994
Priority Level: Not reported

Action: REMOVAL
Date Started: 12/16/1998
Date Completed: 11/03/1999
Priority Level: Cleaned up

Action: REMOVAL
Date Started: 06/30/1999
Date Completed: 11/03/1999
Priority Level: Stabilized

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: FRANCIS PLATING OF OAKLAND INC
Facility address: 785 7TH ST
OAKLAND, CA 94607
EPA ID: CAD009206160
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
TSD commencement date: Not reported

Owner/Operator Summary:
Owner/operator name: FRANCIS PLATING OF OAKLAND, INC.
Owner/operator address: 785 SEVENTH STREET
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 444-5535
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: FRANCIS PLATING OF OAKLAND, INC.
Owner/operator address: 785 SEVENTH STREET
OAKLAND, CA 94607
Owner/operator country: Not reported
Owner/operator telephone: (415) 444-5535
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

FRANCIS PLATING OF OAKLAND INC (Continued) **1000308458**

Handler Activities Summary:
- U.S. importer of hazardous waste: Unknown
- Mixed waste (haz. and radioactive): Unknown
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: Unknown
- Furnace exemption: Unknown
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No
- Off-site waste receiver: Commercial status unknown

Historical Generators:
- Date form received by agency: 09/01/1996
- Facility name: FRANCIS PLATING OF OAKLAND INC
- Classification: Small Quantity Generator

- Date form received by agency: 08/15/1980
- Facility name: FRANCIS PLATING OF OAKLAND INC
- Classification: Not a generator, verified

Corrective Action Summary:
- Event date: 01/01/1990
- Event: CA029ST

- Event date: 08/28/1990
- Event: CA074LO

- Event date: 08/28/1990
- Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

- Event date: 08/28/1990
- Event: CA049PA

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: TSD - General
- Date violation determined: 04/28/1987
- Date achieved compliance: 09/17/1987
- Violation lead agency: State
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 08/13/1987
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: State
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

FRANCIS PLATING OF OAKLAND INC (Continued) **1000308458**

Evaluation Action Summary:
- Evaluation date: 11/17/1994
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State Contractor/Grantee

- Evaluation date: 03/07/1994
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State Contractor/Grantee

- Evaluation date: 03/15/1993
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State Contractor/Grantee

- Evaluation date: 09/21/1988
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: EPA

- Evaluation date: 04/28/1987
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: TSD - General
- Date achieved compliance: 09/17/1987
- Evaluation lead agency: State

FINDS:
Other Pertinent Environmental Activity Identified at Site

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

FRANCIS PLATING OF OAKLAND INC (Continued) **1000308458**

HAZNET:
Gepaid: CAD009206160
Contact: SEAN MCDOUGALL
Telephone: 9163680100
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3774 BRADVIEW DR
Mailing City,St,Zip: SACRAMENTO, CA 958270000
Gen County: 1
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Tons: 33.7120
Facility County: 1

Gepaid: CAD009206160
Contact: SEAN MCDOUGALL
Telephone: 9163680100
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3774 BRADVIEW DR
Mailing City,St,Zip: SACRAMENTO, CA 958270000
Gen County: 1
TSD EPA ID: CAD980887418
TSD County: 1
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .6046
Facility County: 1

Gepaid: CAD009206160
Contact: SEAN MCDOUGALL
Telephone: 9163680100
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3774 BRADVIEW DR
Mailing City,St,Zip: SACRAMENTO, CA 958270000
Gen County: 1
TSD EPA ID: CAT000612150
TSD County: Orange
Waste Category: Liquids with cyanides > 1000 mg/l
Disposal Method: Recycler
Tons: .0625
Facility County: 1

Gepaid: CAD009206160
Contact: SEAN MCDOUGALL
Telephone: 9163680100
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3774 BRADVIEW DR
Mailing City,St,Zip: SACRAMENTO, CA 958270000
Gen County: 1
TSD EPA ID: AZD980735500
TSD County: 99
Waste Category: Not reported

FRANCIS PLATING OF OAKLAND INC (Continued) **1000308458**

Disposal Method: Recycler
Tons: 7.5000
Facility County: 1

Gepaid: CAD009206160
Contact: SEAN MCDOUGALL
Telephone: 9163680100
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 3774 BRADVIEW DR
Mailing City,St,Zip: SACRAMENTO, CA 958270000
Gen County: 1
TSD EPA ID: CAD059494310
TSD County: Santa Clara
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Tons: 30.3408
Facility County: 1

Click this hyperlink while viewing on your computer to access
35 additional CA_HAZNET: record(s) in the EDR Site Report.

CORRACTS:

EPA ID: CAD009206160
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 8/28/1990
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 332813 332813
Electroplating, Plating, Polishing, Anodizing, and Coloring
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

HIST UST:
Region: STATE
Facility ID: 00000047987
Facility Type: Other
Other Type: ELECTRO PLATING
Total Tanks: 0002
Contact Name: WALLY FRANCIS
Telephone: 4154445535
Owner Name: FRANCIS PLATING
Owner Address: 785 SEVENTH ST.
Owner City,St,Zip: OAKLAND, CA 94607

Tank Num: 001
Container Num: 01
Year Installed: 1968
Tank Capacity: 00015000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: Visual

FRANCIS PLATING OF OAKLAND INC (Continued) **1000308458**

Tank Num: 002
Container Num: 02
Year Installed: 1955
Tank Capacity: 00010700
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: Visual

AG147 **FRANCIS PLATING OF OAKLAND, IN** **AIRS 1006014038**
WSW **785 7TH STREET** **ENVIROSTOR N/A**
1/2-1 **OAKLAND, CA 94607**
0.882 mi.
4655 ft. **Site 2 of 2 in cluster AG**

Relative:
Higher

Actual:
29 ft.

EMI:
Year: 1990
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 2324
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1997
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 2324
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1998
Carbon Monoxide Emissions Tons/Yr: 1
Air Basin: SF
Facility ID: 2324
Air District Name: BA
SIC Code: 3471
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported

FRANCIS PLATING OF OAKLAND, IN (Continued) **1006014038**

Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.1
NPL: NO
Regulatory Agencies: SMBRP, US EPA, ALAMEDA COUNTY, CITY OF OAKLAND
Lead Agency: US EPA
Program Manager: KATHARINE HILF
Supervisor: Karen Toth
Division Branch: North Coast
Facility ID: 01330049
Site Code: 200799
Assembly: 16
Senate: 09
Special Program: EPA - PASI
Status: No Further Action
Status Date: 2002-06-12 00:00:00
Restricted Use: NO
Funding: Not reported
Latitude: 37.8022045783133
Longitude: -122.28186
Alias Name: Not reported
Alias Type: Not reported
APN: 1-223-2-1
APN Description: Not reported
Comments: Not reported
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Confirmed: 30108-NO,30152-NO,30153-NO,30161-NO,30407-NO,30013-NO,30594-NO
Confirmed Description: Not reported
Confirmed Description: Not reported
Confirmed Description: Not reported
Confirmed Description: Not reported
Confirmed Description: Not reported
Confirmed Description: Not reported
Confirmed Description: Not reported
Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Media Affected: SOIL
Media Affected Desc: Soil
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 30013, 30108, 30152, 30153, 30161, 30407, 30594
Potenital Description: Lead

FRANCIS PLATING OF OAKLAND, IN (Continued) **1006014038**

Potenital Description: Cadmium and compounds
Potenital Description: Chromium III
Potenital Description: Chromium VI
Potenital Description: Cyanide (hydrogen)
Potenital Description: Nickel
Potenital Description: Zinc
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported
PastUse: METAL PLATING - CHROME, METAL PLATING - OTHER

148
NW
1/2-1
0.912 mi.
4813 ft.

Relative:
Lower

Actual:
25 ft.

CHRIS AND GEORGE'S AUTO REPAIR **ENVIROSTOR** **S108054496**
2520 WEST STREET **N/A**
OAKLAND, CA 94607

ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.07
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: KATHARINE HILF
Supervisor: Karen Toth
Division Branch: North Coast
Facility ID: 60000362
Site Code: Not reported
Assembly: 16
Senate: 09
Special Program: EPA - PASI
Status: Refer: Local Agency
Status Date: 2007-03-27 00:00:00
Restricted Use: NO
Funding: EPA Grant
Latitude: 37.8160674698794
Longitude: -122.274425
Alias Name: 60000362
Alias Type: Envirostor ID Number
APN: NONE SPECIFIED
APN Description: Not reported
Comments: Referred to other agency. No indication of releases. Hazardous materials are stored onsite and are regulated by the City of Oakland.
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/27/07
Confirmed: 31001
Confirmed Description: Not reported
Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Media Affected: NMA
Media Affected Desc: Not reported

CHRIS AND GEORGE'S AUTO REPAIR (Continued) **S108054496**

Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 31001
Potenital Description: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported
PastUse: VEHICLE MAINTENANCE

149
SSE
1/2-1
0.916 mi.
4837 ft.

Relative:
Lower

Actual:
23 ft.

AMERICAN INK PRODUCTS **Notify 65** **S100178824**
630 EAST 10TH STREET **N/A**
OAKLAND, CA 92626

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92626

150
NNW
1/2-1
0.922 mi.
4868 ft.

Relative:
Higher

Actual:
34 ft.

HARRIS DRY CLEANERS **CERCLIS** **1000855627**
2801 MARTIN LUTHER KING JR. WAY **FINDS** **CA0000080309**
OAKLAND, CA 94609 **RESPONSE**
ENVIROSTOR
HIST Cal-Sites

CERCLIS:
Site ID: 0904949
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS Site Contact Name(s):
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jeff Inglis
Contact Tel: (415) 972-3095
Contact Title: Site Assessment Manager (SAM)

Contact Name: Nuria Muniz
Contact Tel: (415) 972-3811
Contact Title: Site Assessment Manager (SAM)

Site Description: Not reported

CERCLIS Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 12/17/1993

HARRIS DRY CLEANERS (Continued) **1000855627**

Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: 08/01/1999
Date Completed: 06/28/2000
Priority Level: NFRAP (No Futher Remedial Action Planned

Action: PRE-CERCLIS SCREENING
Date Started: Not reported
Date Completed: 06/28/2000
Priority Level: Not reported

FINDS:
Other Pertinent Environmental Activity Identified at Site

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

AWP:
AWP Facility ID: 01720109
Region Code: 2
Region: BERKELEY
SMBR Branch Code: NC
SMBR Branch Unit: NORTH COAST
Site Name.: HARRIS DRY CLEANERS
Current Status Date: 06162000
Current Status: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: responsible party
Awp Site Type: RESPONSIBLE PARTY
NPL: Not Listed
Tier Of AWP Site: Not reported
Source Of Funding: Not reported
Responsible Staff Member: RSUNGA
Supervisor Responsible: Not reported
SIC Code: 72
Facility SIC: PERSONAL SERVICES
RWQCB Code: SF
RWQCB Associated With Site: SAN FRANCISCO BAY
Site Access Controlled: Controlled
Site Listed HWS List: Not reported
Hazard Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Of Contamination Sources: 0
Lat/Long: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Description Of Entity: Not reported

HARRIS DRY CLEANERS (Continued) **1000855627**

State Assembly Distt Code: 16
State Senate District: 09

RESPONSE:
Facility ID: 01720109
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.3
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 2 - San Francisco Bay, US EPA
Lead Agency: SMBRP
Lead Agency Description: Not reported
Project Manager: ALLAN FONE
Supervisor: Denise Tsuji
Division Branch: North Coast
Site Code: 201253
Assembly: 16
Senate: 09
Special Program Status: Not reported
Status: Active
Status Date: 2000-06-16 00:00:00
Restricted Use: NO
Funding: Orphan Funds
Latitude: 37.8181825970549
Longitude: -122.271794444444
Alias Name: Not reported
Alias Type: Not reported
APN: 009-0695-006-00
APN Description: Not reported
Comments: Not reported
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Confirmed: 30022,30027
Confirmed Description: Tetrachloroethylene (PCE)
Confirmed Description: Trichloroethylene (TCE)
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation Report
Future Due Date: 2008
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Access Agreement
Future Due Date: 2008
Media Affected: OTH, SOIL
Media Affected Desc: Other Groundwater affected (uses other than drinking water)
Media Affected Desc: Soil
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 30022, 30027
Potenital Description: Tetrachloroethylene (PCE)
Potenital Description: Trichloroethylene (TCE)
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

HARRIS DRY CLEANERS (Continued) **1000855627**

Schedule Revised Date: Not reported
PastUse: DRY CLEANING

ENVIROSTOR:
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.3
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 2 - San Francisco Bay, US EPA
Lead Agency: SMBRP
Program Manager: ALLAN FONE
Supervisor: Denise Tsuji
Division Branch: North Coast
Facility ID: 01720109
Site Code: 201253
Assembly: 16
Senate: 09
Special Program: Not reported
Status: Active
Status Date: 2000-06-16 00:00:00
Restricted Use: NO
Funding: Orphan Funds
Latitude: 37.8181825970549
Longitude: -122.271794444444
Alias Name: Not reported
Alias Type: Not reported
APN: 009-0695-006-00
APN Description: Not reported
Comments: Not reported
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Confirmed: 30022,30027
Confirmed Description: Tetrachloroethylene (PCE)
Confirmed Description: Trichloroethylene (TCE)
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation Report
Future Due Date: 2008
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Access Agreement
Future Due Date: 2008
Media Affected: OTH, SOIL
Media Affected Desc: Other Groundwater affected (uses other than drinking water)
Media Affected Desc: Soil
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 30022, 30027
Potenital Description: Tetrachloroethylene (PCE)
Potenital Description: Trichloroethylene (TCE)
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HARRIS DRY CLEANERS (Continued) **1000855627**

PastUse: DRY CLEANING

HISTORICAL CAL-SITES:
Facility ID: 01720109
Region: 2
Region Name: BERKELEY
Branch: NC
Branch Name: NORTH COAST
File Name: HARRIS DRY CLEANERS
State Senate District: 06162000
Status: AWP - ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type: RP
Type Name: RESPONSIBLE PARTY
NPL: Not Listed
SIC Code: 72
SIC Name: PERSONAL SERVICES
Access: Controlled
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: RSUNGA
Supervisor Responsible for Site: Not reported
Region Water Control Board: SF
Region Water Control Board Name: SAN FRANCISCO BAY
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 16
State Senate District Code: 09

Click this hyperlink while viewing on your computer to access additional CA_CALSITE: detail in the EDR Site Report.

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151 **A. BERCOVICH 2ND STREET** **VCP S105838302**
SSW **127 2ND STREET** **ENVIROSTOR N/A**
1/2-1 **OAKLAND, CA 94607**
0.928 mi.
4902 ft.

Relative:
Lower

Actual:
11 ft.

VCP:
Facility ID: 01590002
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Acres: 0.748
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: Not reported
Project Manager: HOMAYUNE ATIQEE
Supervisor: Mark Piros
Division Branch: North Coast
Site Code: 201722

A. BERCOVICH 2ND STREET (Continued) **S105838302**

Assembly:	16
Senate:	09
Special Programs Code:	EPA - PASI
Status:	Active
Status Date:	2006-06-19 00:00:00
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	37.7926445783133 / -122.26885
Alias Name:	Not reported
Alias Type:	Not reported
APN:	001 016501500
APN Description:	Not reported
Comments:	Not reported
Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Confirmed:	30542-NO,30018-NO,30024-NO,30058-NO,30108-NO,30156-NO,30001-NO,30013-N ,3002502-NO
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Deed Restriction / Land Use Covenant
Future Due Date:	2008
Media Affected:	SOIL
Media Affected Desc:	Soil
Management Required:	NONE SPECIFIED
Management Required Desc:	Not reported
Potential:	30001, 30013, 30018, 30024, 3002502, 30058, 30108, 30156, 30542
Potenital Description:	Arsenic
Potenital Description:	Lead
Potenital Description:	Polychlorinated biphenyls (PCBs)
Potenital Description:	TPH-diesel
Potenital Description:	TPH-MOTOR OIL
Potenital Description:	Antimony and compounds
Potenital Description:	Cadmium and compounds
Potenital Description:	Copper and compounds
Potenital Description:	Thallium and compounds
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported
PastUse:	JUNKYARD

ENVIROSTOR:

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.748

A. BERCOVICH 2ND STREET (Continued) **S105838302**

NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	HOMAYUNE ATIQEE
Supervisor:	Mark Piros
Division Branch:	North Coast
Facility ID:	01590002
Site Code:	201722
Assembly:	16
Senate:	09
Special Program:	EPA - PASI
Status:	Active
Status Date:	2006-06-19 00:00:00
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	37.7926445783133
Longitude:	-122.26885
Alias Name:	Not reported
Alias Type:	Not reported
APN:	001 016501500
APN Description:	Not reported
Comments:	Not reported
Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Confirmed:	30542-NO,30018-NO,30024-NO,30058-NO,30108-NO,30156-NO,30001-NO,30013-N ,3002502-NO
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Confirmed Description:	Not reported
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Deed Restriction / Land Use Covenant
Future Due Date:	2008
Media Affected:	SOIL
Media Affected Desc:	Soil
Management Required:	NONE SPECIFIED
Management Required Desc:	Not reported
Potential:	30001, 30013, 30018, 30024, 3002502, 30058, 30108, 30156, 30542
Potenital Description:	Arsenic
Potenital Description:	Lead
Potenital Description:	Polychlorinated biphenyls (PCBs)
Potenital Description:	TPH-diesel
Potenital Description:	TPH-MOTOR OIL
Potenital Description:	Antimony and compounds
Potenital Description:	Cadmium and compounds
Potenital Description:	Copper and compounds
Potenital Description:	Thallium and compounds
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported

A. BERCOVICH 2ND STREET (Continued) **S105838302**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported
PastUse: JUNKYARD

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152 **PG&E OAKLAND-1 MGP** **VCP** **S102008234**
WSW **50 MARKET BETWEEN FIRST / GROVE STREET** **ENVIROSTOR** **N/A**
1/2-1 **OAKLAND, CA 94607**
0.955 mi.
5044 ft.

Relative:
Lower

Actual:
23 ft.

VCP:
Facility ID: 01490012
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Acres: 3
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: Not reported
Project Manager: JOVANNE VILLAMATER
Supervisor: Mark Piros
Division Branch: North Coast
Site Code: 200260
Assembly: 16
Senate: 09
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 1996-12-18 00:00:00
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.7972222222222 / -122.282222222222
Alias Name: Not reported
Alias Type: Not reported
APN: 0000-0410-006-02, 001-0125-005-00
APN Description: Not reported
APN Description: Not reported
Comments: Not reported
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Confirmed: 30003,10097,30019,30024,30025
Confirmed Description: Benzene
Confirmed Description: * CONTAMINATED SOIL
Confirmed Description: Polynuclear aromatic hydrocarbons (PAHs)
Confirmed Description: TPH-diesel
Confirmed Description: TPH-gas
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2008
Future Area Name: Gas Load Center
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported

PG&E OAKLAND-1 MGP (Continued) **S102008234**

Future Document Type: Remedial Investigation Report
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2009
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Public Notice
Future Due Date: 2008
Future Area Name: Gas Load Center
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Fact Sheets
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2009
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: CEQA - Notice of Exemption
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2009
Future Area Name: Gas Load Center
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2008
Future Area Name: Gas Load Center
Future Sub Area Name: Not reported
Future Document Type: Deed Restriction / Land Use Covenant
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Deed Restriction / Land Use Covenant
Future Due Date: 2009
Media Affected: OTH, SOIL
Media Affected Desc: Other Groundwater affected (uses other than drinking water)
Media Affected Desc: Soil
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 10097, 30003, 30019, 30024, 30025
Potenital Description: * CONTAMINATED SOIL
Potenital Description: Benzene
Potenital Description: Polynuclear aromatic hydrocarbons (PAHs)
Potenital Description: TPH-diesel
Potenital Description: TPH-gas
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

PG&E OAKLAND-1 MGP (Continued) **S102008234**

Schedule Revised Date: Not reported
PastUse: MANUFACTURED GAS PLANT

ENVIROSTOR:
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 3
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: JOVANNE VILLAMATER
Supervisor: Mark Piros
Division Branch: North Coast
Facility ID: 01490012
Site Code: 200260
Assembly: 16
Senate: 09
Special Program: Voluntary Cleanup Program
Status: Active
Status Date: 1996-12-18 00:00:00
Restricted Use: NO
Funding: Responsible Party
Latitude: 37.7972222222222
Longitude: -122.282222222222
Alias Name: Not reported
Alias Type: Not reported
APN: 0000-0410-006-02, 001-0125-005-00
APN Description: Not reported
APN Description: Not reported
Comments: Not reported
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Confirmed: 30003,10097,30019,30024,30025
Confirmed Description: Benzene
Confirmed Description: * CONTAMINATED SOIL
Confirmed Description: Polynuclear aromatic hydrocarbons (PAHs)
Confirmed Description: TPH-diesel
Confirmed Description: TPH-gas
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2008
Future Area Name: Gas Load Center
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation Report
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2009
Future Area Name: Station C

PG&E OAKLAND-1 MGP (Continued) **S102008234**

Future Sub Area Name: Not reported
Future Document Type: Public Notice
Future Due Date: 2008
Future Area Name: Gas Load Center
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Fact Sheets
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2009
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: CEQA - Notice of Exemption
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2009
Future Area Name: Gas Load Center
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2008
Future Area Name: Gas Load Center
Future Sub Area Name: Not reported
Future Document Type: Deed Restriction / Land Use Covenant
Future Due Date: 2008
Future Area Name: Station C
Future Sub Area Name: Not reported
Future Document Type: Deed Restriction / Land Use Covenant
Future Due Date: 2009
Media Affected: OTH, SOIL
Media Affected Desc: Other Groundwater affected (uses other than drinking water)
Media Affected Desc: Soil
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 10097, 30003, 30019, 30024, 30025
Potenital Description: * CONTAMINATED SOIL
Potenital Description: Benzene
Potenital Description: Polynuclear aromatic hydrocarbons (PAHs)
Potenital Description: TPH-diesel
Potenital Description: TPH-gas
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported
PastUse: MANUFACTURED GAS PLANT

153
SE
1/2-1
0.978 mi.
5166 ft.

Relative:
Higher

Actual:
43 ft.

WILFRED'S AUTO WRECKING
1834 7TH STREET
OAKLAND, CA 94607

VCP S102860807
ENVIROSTOR N/A

VCP:

Facility ID:	01500105
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Acres:	0.05
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	Not reported
Project Manager:	LYNN NAKASHIMA
Supervisor:	Barbara Cook
Division Branch:	North Coast
Site Code:	200356
Assembly:	16
Senate:	09
Special Programs Code:	Voluntary Cleanup Program
Status:	Certified
Status Date:	1997-10-17 00:00:00
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	37.8075 / -122.303611111111
Alias Name:	Not reported
Alias Type:	Not reported
APN:	NONE SPECIFIED
APN Description:	Not reported
Comments:	Not reported
Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Confirmed:	30407,30013,10097,3002502
Confirmed Description:	Nickel
Confirmed Description:	Lead
Confirmed Description:	* CONTAMINATED SOIL
Confirmed Description:	TPH-MOTOR OIL
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Media Affected:	SOIL
Media Affected Desc:	Soil
Management Required:	NONE SPECIFIED
Management Required Desc:	Not reported
Potential:	10097, 30013, 3002502, 30407
Potenital Description:	* CONTAMINATED SOIL
Potenital Description:	Lead
Potenital Description:	TPH-MOTOR OIL
Potenital Description:	Nickel
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

WILFRED'S AUTO WRECKING (Continued) **S102860807**

PastUse:	VEHICLE MAINTENANCE

ENVIROSTOR:

Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.05
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	LYNN NAKASHIMA
Supervisor:	Barbara Cook
Division Branch:	North Coast
Facility ID:	01500105
Site Code:	200356
Assembly:	16
Senate:	09
Special Program:	Voluntary Cleanup Program
Status:	Certified
Status Date:	1997-10-17 00:00:00
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	37.8075
Longitude:	-122.303611111111
Alias Name:	Not reported
Alias Type:	Not reported
APN:	NONE SPECIFIED
APN Description:	Not reported
Comments:	Not reported
Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Confirmed:	30407,30013,10097,3002502
Confirmed Description:	Nickel
Confirmed Description:	Lead
Confirmed Description:	* CONTAMINATED SOIL
Confirmed Description:	TPH-MOTOR OIL
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Media Affected:	SOIL
Media Affected Desc:	Soil
Management Required:	NONE SPECIFIED
Management Required Desc:	Not reported
Potential:	10097, 30013, 3002502, 30407
Potenital Description:	* CONTAMINATED SOIL
Potenital Description:	Lead
Potenital Description:	TPH-MOTOR OIL
Potenital Description:	Nickel
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported
PastUse:	VEHICLE MAINTENANCE

City	EDR ID	Site Name	Site Address	Zip	Database(s)
OAKLAND	S106874091	OAKLAND ARMY BASE - TANK 660	10TH STREET	94607	LUST
OAKLAND	S106874092	OAKLAND ARMY BASE - TANK 688	10TH STREET	94607	LUST
OAKLAND	S106874456	OAKLAND ARMY BASE - TANK 682	10TH STREET	94607	LUST
OAKLAND	S106874627	OAKLAND ARMY BASE - TANK 681	10TH STREET	94607	LUST
OAKLAND	S106874756	OAKLAND ARMY BASE - TANK 686	10TH STREET	94607	LUST
OAKLAND	S106874757	OAKLAND ARMY BASE - TANK 651	W. 10TH STREET	94607	LUST
OAKLAND	S106874798	OAKLAND ARMY BASE - TANK 684	10TH STREET	94607	LUST
OAKLAND	S106875071	OAKLAND ARMY BASE - TANK 652	10TH STREET	94607	LUST
OAKLAND	S106874088	OAKLAND ARMY BASE - TANK 678	11TH STREET	94607	LUST
OAKLAND	S106874090	OAKLAND ARMY BASE - TANK 679	11TH STREET	94607	LUST
OAKLAND	S106874267	OAKLAND ARMY BASE -TANK 673	11TH STREET	94607	LUST
OAKLAND	S106874453	OAKLAND ARMY BASE - TANK 671	11TH STREET	94607	LUST
OAKLAND	S106874454	OAKLAND ARMY BASE - TANK 672	11TH STREET	94607	LUST
OAKLAND	S106875085	OAKLAND ARMY BASE - TANK 677	11TH STREET	94607	LUST
OAKLAND	S105954485	URBAN PROMISE ACADEMY SITE	2200-2288 EAST 12TH STREET/23R	94606	SCH, ENVIROSTOR
OAKLAND	S106874266	OAKLAND ARMY BASE - TANK 742	12TH STREET	94607	LUST
OAKLAND	S106874455	OAKLAND ARMY BASE - TANK 743	12TH STREET	94607	LUST
OAKLAND	S106874268	OAKLAND ARMY BASE -11A/12A/13A	14TH STREET	94607	LUST
OAKLAND	S106716203	OAKLAND ARMY BASE TANKS 4&5	14TH ST, BETWEEN BUILDINGS 832		LUST
OAKLAND	S106234893	OAKLAND TERMINAL RAILWAY PROPERTY	HWY 80/HWY 580 INTERCHANGE S O		SLIC
OAKLAND	S103881512	UPTOWN THEATER DISTRICT	BORDERED BY 20TH ST SAN PABLO		SLIC
OAKLAND	S106235166	SITE B PROPERTIES	EMBARCADERO AT ALICE STREET		SLIC
OAKLAND	S106235187	EAST BASIN MARINA	EMBARCADERO @ ALICE ST, JACK L		SLIC
OAKLAND	1003879399	54 EMBARCADERO	FALLON ST & EMBARCADERO DR	94606	CERC-NFRAP
OAKLAND	S107619967	CATHEDRAL OF CHRIST THE LIGHT	2121 HARRISON ST.	94612	SLIC
OAKLAND	S108484718	PORT OF OAKLAND - FORMER OAKLAND A	MARITIME STREET AND 14TH STREE	94607	ENVIROSTOR
OAKLAND	S107736940	OAK STREET TO 9TH AVENUE	OAK STREET TO 9TH AVENUE	94606	VCP, ENVIROSTOR
OAKLAND	U003713189	COMM AIR	1266 14TH ST	94607	LUST, Cortese, CS, SWEEPS UST
OAKLAND	S108054410	NABISCO	1267 14TH STREET	94607	ENVIROSTOR
OAKLAND	A100282049	OAKLAND	344 20TH STREET	94612	AST
OAKLAND	S108054490	CARNATION DAIRIES	1310 14TH STREET/1315 16TH STR	94607	RESPONSE, ENVIROSTOR
OAKLAND	S106162033	OAKLAND REDEVELOPMENT AGENCY	UNKNOWN 11TH ST / WEBSTER S	94606	SLIC
OAKLAND	S106162028	SOUTHERN PACIFIC	UNKNOWN 12TH ST E / 23RD AVE	94606	LUST
OAKLAND	S105025317	OAKLAND POLICE STATION	UNKNOWN CLAY ST / 5TH ST	94607	LUST, Cortese
OAKLAND	S106162867	OAKLAND OEDE CITY OF	UNKNOWN 12TH ST / MARTIN LU	94607	LUST, SLIC
OAKLAND	S106163747	OAKLAND REDEVELOPMENT AGENCY	UNKNOWN 13TH ST / JEFFERSON	94607	LUST, SLIC
OAKLAND	S106162183	EMPORIUM CAPWELL	UNKNOWN 20TH / BROADWAY	94612	LUST
SAN LEANDRO	S102430748	GERMAN AUTOCRAFT	301 14TH ST E	94612	LUST
SAN LEANDRO	S104752523	LLOYD WISE NISSAN	110 14TH ST E	94612	LUST, Cortese

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/31/2008
Date Data Arrived at EDR: 02/08/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 38

Source: EPA
Telephone: N/A
Last EDR Contact: 01/28/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/31/2008
Date Data Arrived at EDR: 02/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 42

Source: EPA
Telephone: N/A
Last EDR Contact: 01/28/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/31/2008
Date Data Arrived at EDR: 02/08/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 38

Source: EPA
Telephone: N/A
Last EDR Contact: 01/28/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2008
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 15

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 03/20/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Date Data Arrived at EDR: 12/06/2007
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 76

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/08/2008
Date Data Arrived at EDR: 03/07/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2007
Date Data Arrived at EDR: 12/18/2007
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 64

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/18/2008
Date Data Arrived at EDR: 01/31/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 46
Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/18/2008
Date Data Arrived at EDR: 01/31/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 46
Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 54
Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/23/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 10/31/2007
Date Data Arrived at EDR: 01/17/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 60
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/17/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Annually

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 22
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Varies

CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/28/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/17/2008
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 34
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 01/17/2008
Next Scheduled EDR Contact: 03/10/2008
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62
Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/08/2008
Next Scheduled EDR Contact: 05/05/2008
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 08/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 41
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

LUCIS: Land Use Control Information System
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31
Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/10/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/21/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: Varies

ROD: Records Of Decision
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 12/28/2007
Date Data Arrived at EDR: 12/28/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 27
Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Varies

MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/20/2007
Date Data Arrived at EDR: 01/03/2008
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 48
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/26/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 69
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/29/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 01/28/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 45

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/28/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/27/2007
Date Data Arrived at EDR: 08/13/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 02/07/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 02/07/2008
Next Scheduled EDR Contact: 05/05/2008
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/29/2008
Date Data Arrived at EDR: 01/31/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/31/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/04/2008
Date Data Arrived at EDR: 01/10/2008
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 41

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 02/25/2008
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/12/2007
Date Data Arrived at EDR: 12/13/2007
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 63
Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

CA WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/21/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 01/07/2008
Date Data Arrived at EDR: 01/09/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 36
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 01/15/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 02/05/2008
Next Scheduled EDR Contact: 05/05/2008
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 01/07/2008
Date Data Arrived at EDR: 01/09/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24
Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 01/07/2008
Date Data Arrived at EDR: 01/09/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 04/07/2008
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 01/21/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 10/02/2007
Date Data Arrived at EDR: 10/03/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 35
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/07/2008
Date Data Arrived at EDR: 01/09/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 30
Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 15
Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Varies

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18
Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 02/06/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 37
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/05/2008
Next Scheduled EDR Contact: 05/05/2008
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2007
Date Data Arrived at EDR: 11/27/2007
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 79
Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 01/28/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Quarterly

SWEEPS UST: SWEEPS UST Listing
Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/23/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 01/15/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/04/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/02/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 07/31/2007
Date Data Arrived at EDR: 07/31/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 9

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 10/25/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 22

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 01/23/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 09/30/2007
Date Data Arrived at EDR: 10/15/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 23

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 10/04/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 34

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 02/08/2008
Next Scheduled EDR Contact: 05/05/2008
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/17/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 23

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 01/18/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/12/2008
Date Data Arrived at EDR: 02/14/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 29

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/08/2008
Next Scheduled EDR Contact: 05/05/2008
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/05/2007
Date Data Arrived at EDR: 10/02/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 9

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 09/05/2007
Date Data Arrived at EDR: 10/02/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 9
Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 12/21/2007
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 34
Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 12/21/2007
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/15/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/28/2008
Date Data Arrived at EDR: 01/29/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 16
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/21/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: Semi-Annually

Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 01/28/2008
Date Data Arrived at EDR: 01/29/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 10
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/21/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/07/2008
Date Data Arrived at EDR: 03/11/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 16
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/16/2008
Date Data Arrived at EDR: 01/17/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 28
Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/17/2008
Next Scheduled EDR Contact: 02/04/2008
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 12/17/2007
Date Data Arrived at EDR: 12/18/2007
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 52
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/04/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/29/2007
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 23
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 02/12/2008
Date Data Arrived at EDR: 02/21/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 35
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 02/14/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/30/2007
Date Data Arrived at EDR: 07/11/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 29
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/11/2008
Date Data Arrived at EDR: 02/21/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 22
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 02/11/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 16
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 02/25/2008
Next Scheduled EDR Contact: 05/12/2008
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 02/04/2008
Date Data Arrived at EDR: 02/21/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 22
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/28/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 29
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 12/03/2007
Date Data Arrived at EDR: 12/19/2007
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 57
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 12/03/2007
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 55
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/18/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 22
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007
Date Data Arrived at EDR: 07/23/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 17
Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 50
Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 01/15/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 48
Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 01/15/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/11/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 16
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/11/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 16
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 02/27/2008
Next Scheduled EDR Contact: 04/28/2008
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/28/2007
Date Data Arrived at EDR: 12/28/2007
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 48
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/02/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 9
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 08/22/2007
Date Data Arrived at EDR: 10/03/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 35
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 04/02/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 10
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 02/01/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 17
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 01/15/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/31/2008
Date Data Arrived at EDR: 02/01/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 13
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 01/09/2008
Date Data Arrived at EDR: 01/11/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 34
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 02/01/2008
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 9
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Varies

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 03/04/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 10
Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 10/23/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 15
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 01/07/2008
Date Data Arrived at EDR: 01/30/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 9
Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/22/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 23
Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/21/2008
Next Scheduled EDR Contact: 04/21/2008
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007
Date Data Arrived at EDR: 05/04/2007
Date Made Active in Reports: 05/24/2007
Number of Days to Update: 20
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 11/26/2007
Date Data Arrived at EDR: 01/07/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 38
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/19/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 11/26/2007
Date Data Arrived at EDR: 01/07/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 38
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 12/26/2007
Date Data Arrived at EDR: 01/09/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 30
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 01/29/2008
Date Data Arrived at EDR: 02/20/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 23
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 01/28/2008
Next Scheduled EDR Contact: 04/14/2008
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 06/15/2007
Date Made Active in Reports: 08/20/2007
Number of Days to Update: 66
Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/14/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 09/30/2007
Date Data Arrived at EDR: 12/04/2007
Date Made Active in Reports: 12/31/2007
Number of Days to Update: 27
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/15/2008
Date Data Arrived at EDR: 02/28/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 41
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/28/2008
Next Scheduled EDR Contact: 05/26/2008
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/10/2008
Number of Days to Update: 20
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/10/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 10/01/2007
Date Data Arrived at EDR: 11/09/2007
Date Made Active in Reports: 01/15/2008
Number of Days to Update: 67
Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42
Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

19TH STREET RESIDENTIAL CONDOMINIUM
222 19TH STREET
OAKLAND, CA 94612

TARGET PROPERTY COORDINATES

Latitude (North):	37.80593 - 37° 48' 21.4''
Longitude (West):	122.26373 - 122° 15' 49.4''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	564814.6
UTM Y (Meters):	4184333.0
Elevation:	26 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37122-G3 OAKLAND WEST, CA
Most Recent Revision:	1980
East Map:	37122-G2 OAKLAND EAST, CA
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

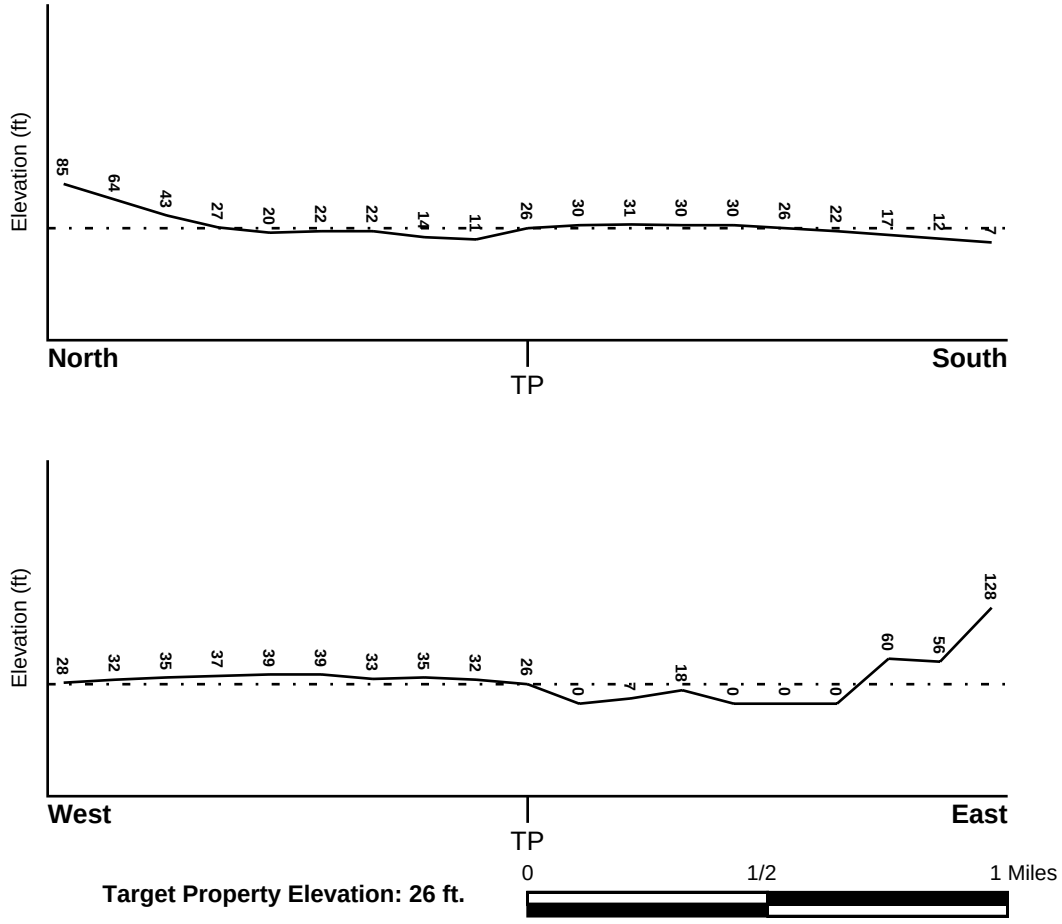
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 26 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
ALAMEDA, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0650480015B

Additional Panels in search area: 0650480020B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
OAKLAND WEST	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
A1	1/8 - 1/4 Mile West	E
A2	1/8 - 1/4 Mile West	NE
3	1/8 - 1/4 Mile NNW	E
4	1/8 - 1/4 Mile WNW	NNE,SE,S,SW
B5	1/8 - 1/4 Mile West	NE
B6	1/8 - 1/4 Mile West	NE
B7	1/8 - 1/4 Mile West	NE, E, SE
8	1/4 - 1/2 Mile SW	W
C9	1/4 - 1/2 Mile SW	NE

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
C10	1/4 - 1/2 Mile SW	NE
D11	1/4 - 1/2 Mile West	SW
D12	1/4 - 1/2 Mile West	SW
E13	1/4 - 1/2 Mile SSW	W
E14	1/4 - 1/2 Mile SSW	N
D15	1/4 - 1/2 Mile West	N, S
F17	1/4 - 1/2 Mile NNE	N,W,Varies
F18	1/4 - 1/2 Mile NNE	N
G19	1/4 - 1/2 Mile NNW	SW
G20	1/4 - 1/2 Mile NNW	E, W
G21	1/4 - 1/2 Mile NNW	SE
F22	1/4 - 1/2 Mile North	Varies
H23	1/4 - 1/2 Mile North	NE
H24	1/4 - 1/2 Mile North	SW
25	1/4 - 1/2 Mile ENE	SW
26	1/2 - 1 Mile NW	SW
27	1/2 - 1 Mile West	E
28	1/2 - 1 Mile South	NW
I29	1/2 - 1 Mile SSW	N
I30	1/2 - 1 Mile SSW	Varies
31	1/2 - 1 Mile NW	W
J32	1/2 - 1 Mile SW	Varies
K33	1/2 - 1 Mile SE	E
K34	1/2 - 1 Mile SE	E
L35	1/2 - 1 Mile ENE	NW
36	1/2 - 1 Mile West	S
J37	1/2 - 1 Mile SW	NW
J38	1/2 - 1 Mile SW	NW
L39	1/2 - 1 Mile ENE	S
40	1/2 - 1 Mile North	S
41	1/2 - 1 Mile NNW	Not Reported
42	1/2 - 1 Mile SSW	Not Reported
M43	1/2 - 1 Mile ESE	SW,W,Varies
M44	1/2 - 1 Mile ESE	SW,W,Varies
M45	1/2 - 1 Mile ESE	SW,W,Varies
46	1/2 - 1 Mile North	Varies
N47	1/2 - 1 Mile NW	Varies
48	1/2 - 1 Mile NNW	SE
N49	1/2 - 1 Mile NW	NE
50	1/2 - 1 Mile SSW	SE
51	1/2 - 1 Mile SW	SW
O52	1/2 - 1 Mile SSE	N
O53	1/2 - 1 Mile SSE	N
O54	1/2 - 1 Mile SSE	N
P55	1/2 - 1 Mile NW	SW
P56	1/2 - 1 Mile NW	SW
P57	1/2 - 1 Mile NW	SW
58	1/2 - 1 Mile ENE	Varies
59	1/2 - 1 Mile SSE	SE
60	1/2 - 1 Mile NNW	SW
61	1/2 - 1 Mile SSE	NW

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

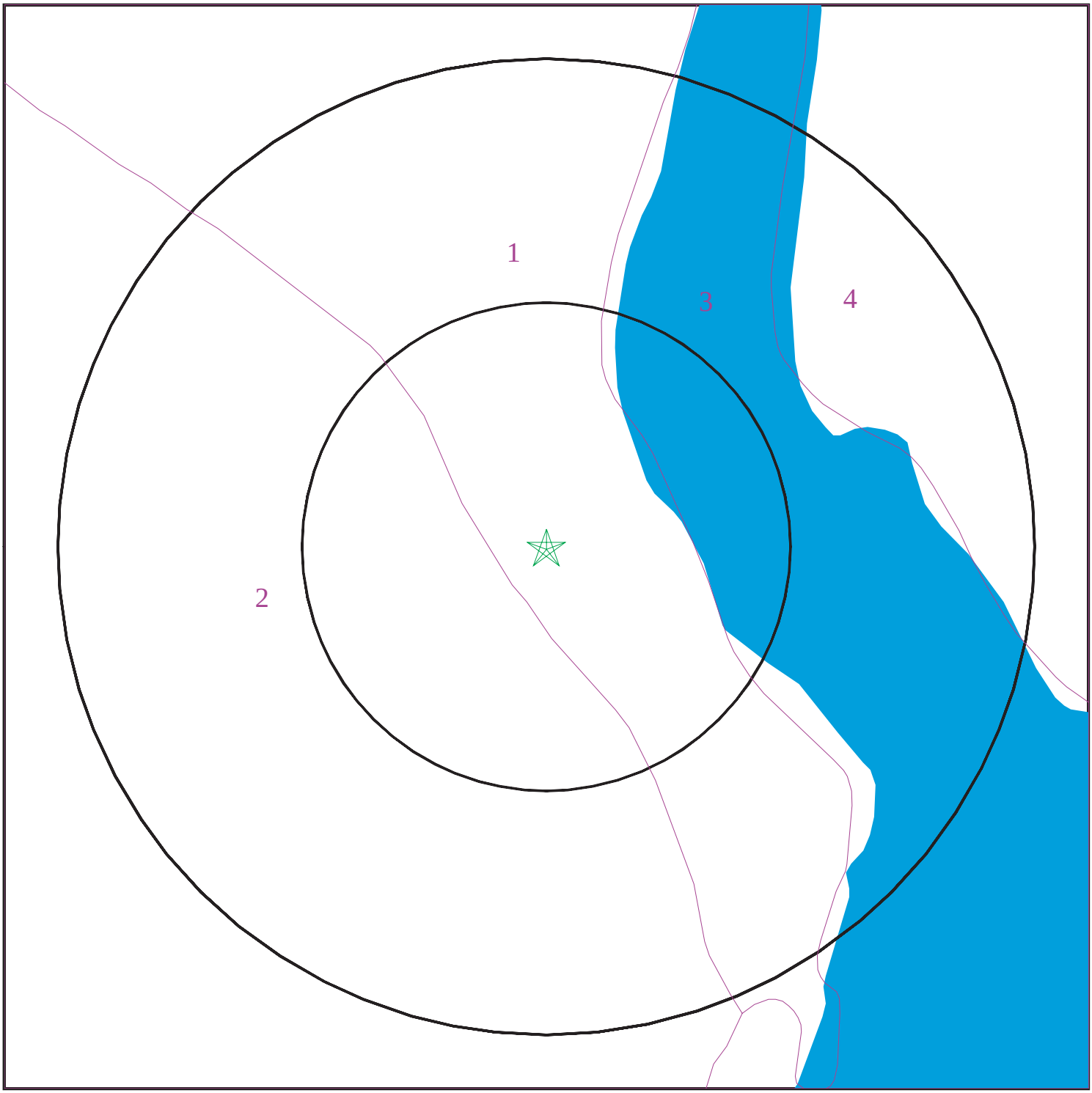
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2192354.1s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	19th Street Residential Condominium	CLIENT:	Baseline Environmental Cons.
ADDRESS:	222 19th Street Oakland CA 94612	CONTACT:	Reginald Ramirez
LAT/LONG:	37.8059 / 122.2637	INQUIRY #:	2192354.1s
		DATE:	April 11, 2008 1:11 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Tierra

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.6
2	11 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.6
3	31 inches	59 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
16	CA0500053	1/4 - 1/2 Mile WNW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 2192354.1s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	19th Street Residential Condominium	CLIENT:	Baseline Environmental Cons.
ADDRESS:	222 19th Street Oakland CA 94612	CONTACT:	Reginald Ramirez
LAT/LONG:	37.8059 / 122.2637	INQUIRY #:	2192354.1s
		DATE:	April 11, 2008 1:11 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
A1 **West** **1/8 - 1/4 Mile** **Higher**	Site ID:	01-0331	**AQUIFLOW**	**52389**
	Groundwater Flow:	E		
	Shallow Water Depth:	16.00		
	Deep Water Depth:	20.17		
	Average Water Depth:	Not Reported		
	Date:	06/10/1999		
A2 **West** **1/8 - 1/4 Mile** **Higher**	Site ID:	01-0331	**AQUIFLOW**	**52390**
	Groundwater Flow:	NE		
	Shallow Water Depth:	3.0		
	Deep Water Depth:	13.0		
	Average Water Depth:	Not Reported		
	Date:	01/27/1988		
3 **NNW** **1/8 - 1/4 Mile** **Lower**	Site ID:	01-4011	**AQUIFLOW**	**63635**
	Groundwater Flow:	E		
	Shallow Water Depth:	4		
	Deep Water Depth:	8		
	Average Water Depth:	Not Reported		
	Date:	03/18/1993		
4 **WNW** **1/8 - 1/4 Mile** **Lower**	Site ID:	01-1168	**AQUIFLOW**	**55829**
	Groundwater Flow:	NNE,SE,S,SW		
	Shallow Water Depth:	4.3		
	Deep Water Depth:	9.0		
	Average Water Depth:	Not Reported		
	Date:	03/06/1991		
B5 **West** **1/8 - 1/4 Mile** **Higher**	Site ID:	01-0151	**AQUIFLOW**	**55931**
	Groundwater Flow:	NE		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	2		
	Date:	08/23/1995		
B6 **West** **1/8 - 1/4 Mile** **Higher**	Site ID:	01-0151	**AQUIFLOW**	**55930**
	Groundwater Flow:	NE		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	15		
	Date:	06/28/1995		
B7 **West** **1/8 - 1/4 Mile** **Higher**	Site ID:	01-0151	**AQUIFLOW**	**55932**
	Groundwater Flow:	NE, E, SE		
	Shallow Water Depth:	0.041		
	Deep Water Depth:	0.007		
	Average Water Depth:	Not Reported		
	Date:	06/29/1998		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
8 **SW** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-2039	**AQUIFLOW**	**64077**
	Groundwater Flow:	W		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	11/15/1991		
C9 **SW** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-0355	**AQUIFLOW**	**52380**
	Groundwater Flow:	NE		
	Shallow Water Depth:	2.5		
	Deep Water Depth:	9.5		
	Average Water Depth:	Not Reported		
	Date:	12/05/1990		
C10 **SW** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-0355	**AQUIFLOW**	**52381**
	Groundwater Flow:	NE		
	Shallow Water Depth:	9.5		
	Deep Water Depth:	20.5		
	Average Water Depth:	Not Reported		
	Date:	08/10/1999		
D11 **West** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-1705	**AQUIFLOW**	**55892**
	Groundwater Flow:	SW		
	Shallow Water Depth:	5.6		
	Deep Water Depth:	8.5		
	Average Water Depth:	Not Reported		
	Date:	01/28/1991		
D12 **West** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-1705	**AQUIFLOW**	**55893**
	Groundwater Flow:	SW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	8.5		
	Date:	04/02/1996		
E13 **SSW** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-0055	**AQUIFLOW**	**55914**
	Groundwater Flow:	W		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	6		
	Date:	08/26/1996		
E14 **SSW** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-0055	**AQUIFLOW**	**55915**
	Groundwater Flow:	N		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	3		
	Date:	03/03/1989		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
D15 **West** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-1921	**AQUIFLOW**	**55882**
	Groundwater Flow:	N, S		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	11		
	Date:	05/26/1994		

16
WNW
1/4 - 1/2 Mile
Higher

FRDS PWS **CA0500053**

PWS ID:	CA0500053	PWS Status:	Active
Date Initiated:	9307	Date Deactivated:	Not Reported
PWS Name:	PARDEE CENTER CAMP PARDEE CAMP PARDEE N OF VAL VALLEY SPRINGS, CA 95252		
Addressee / Facility:	System Owner/Responsible Party CAMP PARDEE P O BOX 240 OAKLAND, CA 94623		
Facility Latitude:	37 48 30	Facility Longitude:	122 16 06
City Served:	Not Reported		
Treatment Class:	Mixed (treated and untreated)	Population:	00000035

PWS currently has or had major violation(s) or enforcement: YES

VIOLATIONS INFORMATION:

Violation ID:	9310002	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	09/01/93	Vio. end Date:	09/30/93	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	Record Keeping				
Contaminant:	Not Reported				
Vio. Awareness Date:	111593				

ENFORCEMENT INFORMATION:

System Name:	PARDEE CENTER		
Violation Type:	MCL, Average		
Contaminant:	Turbidity		
Compliance Period:	1995-02-01 - 1995-02-28		
Violation ID:	9510006		
Enforcement Date:	1995-03-28	Enf. Action:	State Compliance Achieved
System Name:	PARDEE CENTER		
Violation Type:	MCL, Average		
Contaminant:	Turbidity		
Compliance Period:	1995-01-01 - 1995-01-31		
Violation ID:	9510007		
Enforcement Date:	1995-03-28	Enf. Action:	State Violation/Reminder Notice

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
F17 **NNE** **1/4 - 1/2 Mile** **Lower**	Site ID:	01-0341	**AQUIFLOW**	**55836**
	Groundwater Flow:	N,W,Varies		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	20		
	Date:	09/14/1989		
F18 **NNE** **1/4 - 1/2 Mile** **Lower**	Site ID:	01-0341	**AQUIFLOW**	**55837**
	Groundwater Flow:	N		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	08/17/1988		
G19 **NNW** **1/4 - 1/2 Mile** **Lower**	Site ID:	01-0875	**AQUIFLOW**	**55890**
	Groundwater Flow:	SW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	13		
	Date:	02/15/1989		
G20 **NNW** **1/4 - 1/2 Mile** **Lower**	Site ID:	01-0875	**AQUIFLOW**	**55891**
	Groundwater Flow:	E, W		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	10/07/1992		
G21 **NNW** **1/4 - 1/2 Mile** **Lower**	Site ID:	01-0875	**AQUIFLOW**	**55889**
	Groundwater Flow:	SE		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	11/09/1988		
F22 **North** **1/4 - 1/2 Mile** **Lower**	Site ID:	01-1846	**AQUIFLOW**	**63897**
	Groundwater Flow:	Varies		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	20		
	Date:	08/11/1993		
H23 **North** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-3663	**AQUIFLOW**	**63934**
	Groundwater Flow:	NE		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	12		
	Date:	01/29/1988		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
H24 **North** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-1469	**AQUIFLOW**	**67866**
	Groundwater Flow:	SW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	16-18		
	Date:	12/01/1988		
25 **ENE** **1/4 - 1/2 Mile** **Higher**	Site ID:	01-1360	**AQUIFLOW**	**63687**
	Groundwater Flow:	SW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	5		
	Date:	11/17/1994		
26 **NW** **1/2 - 1 Mile** **Lower**	Site ID:	01-1466	**AQUIFLOW**	**63631**
	Groundwater Flow:	SW		
	Shallow Water Depth:	20.8		
	Deep Water Depth:	22.7		
	Average Water Depth:	Not Reported		
	Date:	11/04/1997		
27 **West** **1/2 - 1 Mile** **Higher**	Site ID:	01-2232	**AQUIFLOW**	**51544**
	Groundwater Flow:	E		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	120		
	Date:	01/07/1987		
28 **South** **1/2 - 1 Mile** **Higher**	Site ID:	01-0880	**AQUIFLOW**	**65392**
	Groundwater Flow:	NW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	8		
	Date:	01/01/1996		
I29 **SSW** **1/2 - 1 Mile** **Higher**	Site ID:	01-1244	**AQUIFLOW**	**64075**
	Groundwater Flow:	N		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	Not Reported		
	Date:	12/20/1994		
I30 **SSW** **1/2 - 1 Mile** **Higher**	Site ID:	01-0582	**AQUIFLOW**	**64079**
	Groundwater Flow:	Varies		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	18		
	Date:	02/05/1996		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
31 **NW** **1/2 - 1 Mile** **Lower**	Site ID:	01-1706	**AQUIFLOW**	**66329**
	Groundwater Flow:	W		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	40.0		
	Date:	01/11/1996		
J32 **SW** **1/2 - 1 Mile** **Higher**	Site ID:	01-1611	**AQUIFLOW**	**51534**
	Groundwater Flow:	Varies		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	156		
	Date:	09/19/1997		
K33 **SE** **1/2 - 1 Mile** **Lower**	Site ID:	01-1074	**AQUIFLOW**	**55832**
	Groundwater Flow:	E		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	20		
	Date:	01/01/1993		
K34 **SE** **1/2 - 1 Mile** **Lower**	Site ID:	01-1074	**AQUIFLOW**	**55833**
	Groundwater Flow:	E		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	15		
	Date:	03/08/1995		
L35 **ENE** **1/2 - 1 Mile** **Lower**	Site ID:	01-0878	**AQUIFLOW**	**51910**
	Groundwater Flow:	NW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	12 ft		
	Date:	06/12/1995		
36 **West** **1/2 - 1 Mile** **Higher**	Site ID:	01-0233	**AQUIFLOW**	**55975**
	Groundwater Flow:	S		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	10		
	Date:	09/02/1987		
J37 **SW** **1/2 - 1 Mile** **Higher**	Site ID:	01-2307	**AQUIFLOW**	**51869**
	Groundwater Flow:	NW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	7.50		
	Date:	09/23/1994		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
J38 **SW** **1/2 - 1 Mile** **Higher**	Site ID:	01-2307	**AQUIFLOW**	**51870**
	Groundwater Flow:	NW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	12 ft		
	Date:	03/15/1995		
L39 **ENE** **1/2 - 1 Mile** **Lower**	Site ID:	01-1467	**AQUIFLOW**	**67429**
	Groundwater Flow:	S		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	0.05		
	Date:	06/10/1986		
40 **North** **1/2 - 1 Mile** **Higher**	Site ID:	01-0241	**AQUIFLOW**	**63622**
	Groundwater Flow:	S		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	7.9		
	Date:	11/28/1988		
41 **NNW** **1/2 - 1 Mile** **Higher**	Site ID:	01-1313	**AQUIFLOW**	**64106**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	25-30		
	Date:	02/22/1999		
42 **SSW** **1/2 - 1 Mile** **Lower**	Site ID:	01-2300	**AQUIFLOW**	**55761**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	2-3		
	Date:	10/23/1996		
M43 **ESE** **1/2 - 1 Mile** **Lower**	Site ID:	01-1692	**AQUIFLOW**	**55819**
	Groundwater Flow:	SW,W,Varies		
	Shallow Water Depth:	1.66		
	Deep Water Depth:	4.92		
	Average Water Depth:	Not Reported		
	Date:	10/30/1995		
M44 **ESE** **1/2 - 1 Mile** **Lower**	Site ID:	01-1692	**AQUIFLOW**	**55818**
	Groundwater Flow:	SW,W,Varies		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	7-22		
	Date:	05/1990		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
M45 **ESE** **1/2 - 1 Mile** **Lower**	Site ID:	01-1692	**AQUIFLOW**	**55820**
	Groundwater Flow:	SW,W,Varies		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	3-20		
	Date:	07/29/1994		
46 **North** **1/2 - 1 Mile** **Higher**	Site ID:	01-0575	**AQUIFLOW**	**64091**
	Groundwater Flow:	Varies		
	Shallow Water Depth:	10.40		
	Deep Water Depth:	14.49		
	Average Water Depth:	Not Reported		
	Date:	08/20/1992		
N47 **NW** **1/2 - 1 Mile** **Lower**	Site ID:	01-3919	**AQUIFLOW**	**51332**
	Groundwater Flow:	Varies		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	14 ft		
	Date:	08/29/1997		
48 **NNW** **1/2 - 1 Mile** **Higher**	Site ID:	01-1349	**AQUIFLOW**	**63626**
	Groundwater Flow:	SE		
	Shallow Water Depth:	9.00		
	Deep Water Depth:	10.39		
	Average Water Depth:	Not Reported		
	Date:	10/11/1988		
N49 **NW** **1/2 - 1 Mile** **Lower**	Site ID:	01-0674	**AQUIFLOW**	**51546**
	Groundwater Flow:	NE		
	Shallow Water Depth:	12.6		
	Deep Water Depth:	22.0		
	Average Water Depth:	Not Reported		
	Date:	05/26/1988		
50 **SSW** **1/2 - 1 Mile** **Lower**	Site ID:	01-1151	**AQUIFLOW**	**63663**
	Groundwater Flow:	SE		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	5-16		
	Date:	04/13/1997		
51 **SW** **1/2 - 1 Mile** **Lower**	Site ID:	01-0421	**AQUIFLOW**	**63810**
	Groundwater Flow:	SW		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	7		
	Date:	10/28/1996		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
O52 **SSE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2323 N Not Reported Not Reported 20 07/17/1996	**AQUIFLOW**	**55755**
O53 **SSE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2323 N Not Reported Not Reported 20 07/17/1996	**AQUIFLOW**	**55756**
O54 **SSE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2323 N Not Reported Not Reported 20 07/17/1996	**AQUIFLOW**	**55754**
P55 **NW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2295 SW Not Reported Not Reported 100 07/09/1997	**AQUIFLOW**	**51336**
P56 **NW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2295 SW Not Reported Not Reported 8-15 08/19/1996	**AQUIFLOW**	**51338**
P57 **NW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-2295 SW Not Reported Not Reported 20 03/12/1997	**AQUIFLOW**	**51337**
58 **ENE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0866 Varies Not Reported Not Reported Not Reported 03/19/1989	**AQUIFLOW**	**63702**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID / Direction / Distance / Elevation			Database	EDR ID Number
59 **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-1066 SE Not Reported Not Reported Not Reported 09/20/1988	**AQUIFLOW**	**67424**
60 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0886 SW 8.67 14.02 Not Reported 04/07/1997	**AQUIFLOW**	**63803**
61 **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	01-0464 NW 12.25 19.47 Not Reported 11/12/1993	**AQUIFLOW**	**65454**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ALAMEDA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ALAMEDA COUNTY, CA

Number of sites tested: 49

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.776 pCi/L	100%	0%	0%
Living Area - 2nd Floor	-0.400 pCi/L	100%	0%	0%
Basement	1.338 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX H

Qualifications of Preparers

YANE NORDHAV

Yane Nordhav is the principal of BASELINE. She is the principal-in-charge for BASELINE projects related to hazardous materials management, development of remedial actions, site characterizations, and CEQA/NEPA documentation. She performs QA/QC functions for all projects at BASELINE. As principal investigator, she has managed and conducted groundwater investigations and remediation on major Superfund sites and local brownfields sites in California.

Through her work, she has developed an extensive working knowledge of regulatory requirements and established working relationships with regulatory agency staff on the state and local levels. She routinely works with Regional Water Quality Control Board, Department of Toxic Substances Control, and local agency staff to arrive at appropriate goals for risk-based cleanup of soil and groundwater resources.

She has managed major environmental audits and developed environmental programs for cities, ports, and industrial clients; her work has included development of strategies for waste management and minimization, and UST compliance programs. She also routinely provides litigation support and expert witness services to clients on sites that have been affected by historic land uses and require cleanup prior to future productive uses. In addition, Ms. Nordhav has been the project manager for the preparation of major environmental documents in California, including EIRs for controversial projects, ranging from open pit mines, hazardous waste disposal facilities, and new towns.

Recent projects include:

- Sacramento Trapshoot Club, investigation, remediation, agency negotiations, Project Manager, 2004-2006
- Stockton Waterfront Brownfields Pilot Project, Project Manager, 2000-2006
- Bayview Transportation Improvements Project EIR/EIS, Hazardous Materials and Water Quality Technical Studies, Project Manager, 2004-2006
- Port of Oakland, Berths 25 and 26, investigation, remediation, agency negotiations, 2002-present

M.S., Geology, Cal State Hayward
B.A., Geology, U.C. Berkeley
40-hour OSHA training
PG No. 4009
25 years of experience



Professional Affiliations

Association of Engineering Geologists, associate member
Association of Environmental Professionals, member
Groundwater Resources Association, member

Presentations and Publications

Nordhav, Yane, 1998, Are Geologic and Seismic Impacts Significant, Unavoidable, or Mitigatable, in *AEP Environmental Monitor*, Summer.

Nordhav, Yane, 1997, Identification of Geologic Impacts - UC Berkeley, guest lecturer for Conservation of Natural Resources Department.

Nordhav, Yane, 1997, Moderator - Panel on Changes in Hazardous Waste Management, Association of Environmental Professionals Annual Meeting, San Francisco.

Schoenholz, Dan and Yane Nordhav, 1995, *Construction of a Movie Theater at Lot 12: A Case Study in Reuse of a Former Manufactured Gas Plant Site*; in Land Contamination and Reclamation 3(4).

Phase I and II Investigations and Land Use Decisions, presented at the Annual Meeting of the National Association of Housing and Redevelopment Officials, San Francisco, September 1992.

Closure and Clean-up of Underground Storage Tanks; a one-day training course presented at HAZMACON 1987 for Association of Bay Area Governments and to local implementing agencies throughout California for the State Water Resources Control Board.

The Long Journey from Discovery to Clean-Up of Superfund Sites, presented at the Annual Meeting of Association of Engineering Geologists, Boston, MA, 1984; published in the Bulletin of the Association of Engineering Geologists, Vol. 12:2, May 1986.

REGINALD. RAMIREZ

B.S., Civil Engineering, De La Salle University, Manila, Philippines
EIT No. 116830
40-hour OSHA training
4 years of experience



Redgy Ramirez is a civil engineer with extensive experience as an environmental monitor and field technician. Most recently, he was the environmental construction monitor for the construction of the Third Street Light Rail project in San Francisco. As an environmental monitor, his duties included monitoring effects of construction on air quality, noise, vibration, and water quality. Monitoring the effects of construction involved daily site inspections, monitoring air and noise using portable equipment, and coordinating construction activities with construction management, community relations, specialty consultants, and city representatives. Mr. Ramirez consolidated construction activities and associated monitoring data into progress reports that were submitted to regulatory agencies and appropriate city departments.

Mr. Ramirez has conducted soil and groundwater sampling at various sites throughout the Bay Area as part of investigations to assess soil and groundwater contamination from historic land uses. His work has been undertaken in accordance with specific guidance documents from Cal EPA and U.S. EPA, and ASTM. He has also been performing regular groundwater monitoring and maintenance of groundwater remediation systems involving the recovery of free-phase product from shallow aquifers. Through his work associated with groundwater and soil sampling as well as remediation system maintenance, he is experienced in the use of a wide variety of portable environmental monitoring and sampling equipment.

Mr. Ramirez also assists in the preparation of waste classification investigations to determine the proper disposal options of excavated soils from major infrastructure projects. Recently, he was involved in the soil sampling for investigation of aerially deposited lead for the Interstate 80/Mission Boulevard Road widening project in Fremont and the Toll Plaza improvement project at various toll plazas throughout the Bay Area. Additionally, he is experienced in data analysis, including statistical assessment of data for waste classification purposes.

Previous to working with BASELINE, Mr. Ramirez worked as a geotechnical technician for geotechnical field explorations throughout the Bay Area.

APPENDIX J

GEOTECHNICAL REPORT

Treadwell&Rollo

RECEIVED
FEB 8 2006
ian birchall + associates

3 February 2006
Project Number 4327.01

Mr. Joe O'Donoghue
c/o Mr. Ian Birchall
Ian Birchall + Associates
300 Beale Street, Suite A
San Francisco, California 94105

Subject: Revised Preliminary Geotechnical Recommendations
244 Lakeside Drive
Oakland, California

Dear Mr. O'Donoghue:

This letter report presents our revised preliminary geotechnical recommendations regarding the geotechnical aspects of your plans to develop the site at 244 Lakeside Drive in Oakland, California, referred to as Parcel Two. Our conclusions and recommendations are based upon our review of existing subsurface information presented in geotechnical investigations conducted on nearby sites. As part of this preliminary geotechnical assessment of the site, we reviewed existing subsurface information and previous geotechnical conclusions and recommendations from the following reports:

- *Geotechnical Investigation, Cathedral of Christ The Light, Oakland, California*, by Treadwell & Rollo, Inc, dated 10 January 2005
- *Geotechnical Investigation, Lake Merritt Boathouse Renovation, 1520 Lakeside Drive, Oakland, California*, by Treadwell & Rollo, Inc, dated 29 June 2005
- *Subsurface Foundation Studies, Kaiser Center Tower I, Oakland, California*, by Woodward-Clyde Consultants, dated 28 June 1982.

In addition, a review of the available data on the historic location of the Lake Merritt shoreline relative to the subject property was reviewed.

SITE DESCRIPTION

The site is west of Lakeside Drive and is bordered by 19th Street to the south and Snow Park to the east, as shown on Figure 1. Parcel 2 is on the north side of 19th Street and shares a property line with Snow Park to the east and 200 Lakeside Drive to the west. The 200 Lakeside site is presently occupied by one 9-story residential structure and a 2-story garage structure. Parcel 1 to the north is directly adjacent to Lakeside Drive and is currently occupied by a 13-story residential structure with a 2-story below grade garage. There is an elevation difference of approximately 8 feet across the site with the highest point located at the southeast corner of the

site and the lowest point located at the northwest corner of the site. Information of the type of foundation that supports either of the two existing adjacent structures was not available at the time this report was written.

The site has approximate plan dimensions of 180 by 190 feet in plan with a small section of Parcel 1, measuring 60 feet by 80 feet in plan, protruding into the northeast corner of Parcel 2, as shown in Figure 2. The site is currently a landscaped garden and is occupied by six pine trees. The south and east sides of the site are separated from adjacent improvements by rock retaining walls that are up to nine feet in height.

PROJECT DESCRIPTION

Based on preliminary drawings provided by Ian Birchall + Associates titled *244 Lakeside Drive, Oakland, Condominiums*, dated 13 January 2006 we understand the proposed project contemplates removing two of the six existing trees from Parcel 2 and constructing a 33-story residential tower with five stories of below-grade parking. The top of the slab at the lowest level of below grade parking will extend to approximately 50 feet below the 19th Street ground surface. Entry to the below grade parking will be accessed from 19th Street.

SUBSURFACE CONDITIONS

Based on the information obtained during our study, the subject property is likely underlain by between 20 and 30 feet of medium dense sand, silty sand and gravel, with intermittent layers of stiff to very stiff sandy clay and clay . Historical records indicate Parcel 2 is landward of the previously recorded furthest extent of the Lake Merritt shoreline; therefore, we do not anticipate encountering any marsh deposits, typically characterized by weak, compressible blue-gray clays and loose to medium dense silty sands.

Based on the results of adjacent investigations, we believe the Temescal formation, consisting of a moderately competent deposit of stiff sandy clay and dense clayey gravelly sand layers, exists at a depth of between 20 and 30 feet below the existing ground surface (bgs) and extends to between 60 and 90 feet bgs. The Temescal formation is underlain by layers of very stiff to hard sandy clay, sandy silt, silt lenses, and with dense to very dense silty sand known locally as the San Antonio formation. This formation is, in turn, underlain by the Alameda formation, which consists primarily of very stiff to hard silty clay. Bedrock is anticipated at a depth of approximately 500 feet.

Stabilized groundwater has been recorded in previous investigations as being between approximate elevations 1 to 2 feet.[1] Unstabilized ground water readings as low as Elevation -4 feet were recorded adjacent to Lake Merritt; however, due to the elevated location of the project site and the tendency for groundwater in this area to follow the topography, we judge the ground water elevation at the site is likely between 5 and 10 feet below the existing ground surface (between Elevations 10 and 15 feet). The groundwater elevation and seasonal fluctuation of the groundwater table beneath the site should be verified during the geotechnical investigation.

SEISMICITY

The major active faults in the area are the Hayward, San Andreas, and San Gregorio Faults. These and other faults of the region are shown on Figure 3. For each of the active faults, the distance from the site and estimated maximum Moment magnitude[2] (Working Group of California Earthquake Probabilities (WGCEP) (2003)) and Cao et al. (2003) are summarized in Table 1.

TABLE 1
Regional Faults and Seismicity

Fault Segment	Approximate Distance from Site (km)	Direction from Site	Maximum Magnitude
Hayward - Total	5.0	Northeast	7.1
Northern Hayward	5.0	Northeast	6.6
Southern Hayward	7.6	East	6.9
Mount Diablo Thrust	21	East	6.7
Northern Calaveras	22	East	6.9
San Andreas - 1906 Rupture	25	Southwest	7.9
San Andreas - Peninsula	25	Southwest	7.2
Concord	27	Northeast	6.5
San Andreas - North Coast South	29	West	7.5
San Gregorio North	30	West	7.3

1 Elevations reference Oakland City Datum

2 Moment magnitude is an energy-based scale and provides a physically meaningful measure of the size of a faulting event. Moment magnitude is directly related to average slip and fault rupture area.

Figure 3 also shows the earthquake epicenters for events with magnitude greater than 5.0 from January 1800 through January 1996. Since 1800, four major earthquakes have been recorded on the San Andreas Fault. In 1836 an earthquake with an estimated maximum intensity of VII on the Modified Mercalli (MM) scale (Figure 4) occurred east of Monterey Bay on the San Andreas Fault (Toppozada and Borchardt 1998). The estimated Moment magnitude, M_w, for this earthquake is about 6.25. In 1838, an earthquake occurred with an estimated intensity of about VIII-IX (MM), corresponding to a M_w of about 7.5. The San Francisco Earthquake of 1906 caused the most significant damage in the history of the Bay Area in terms of loss of lives and property damage. This earthquake created a surface rupture along the San Andreas Fault from Shelter Cove to San Juan Bautista approximately 470 kilometers in length. It had a maximum intensity of XI (MM), a M_w of about 7.9, and was felt 560 kilometers away in Oregon, Nevada, and Los Angeles. The most recent earthquake to affect the Bay Area was the Loma Prieta Earthquake of 17 October 1989, in the Santa Cruz Mountains with a M_w of 6.9, approximately 95 km from the site.

In 1868 an earthquake with an estimated maximum intensity of X on the MM scale occurred on the southern segment (between San Leandro and Fremont) of the Hayward Fault. The estimated M_w for the earthquake is 7.0. In 1861, an earthquake of unknown magnitude (probably a M_w of about 6.5) was reported on the Calaveras Fault. The most recent significant earthquake on this fault was the 1984 Morgan Hill earthquake (M_w = 6.2).

In 2002, the Working Group on California Earthquake Probabilities (WGCEP 2003) at the U.S. Geologic Survey (USGS) predicted a 62 percent probability of a magnitude 6.7 or greater earthquake occurring in the San Francisco Bay Area by the year 2031. More specific estimates of the probabilities for different faults in the Bay Area are presented in Table 2.

TABLE 2

WGCEP (2003) Estimates of 30-Year Probability (2002 to 2031) of a Magnitude 6.7 or Greater Earthquake

Fault	Probability (percent)
Hayward-Rodgers Creek	27
San Andreas	21
Calaveras	11
San Gregorio	10

SEISMIC HAZARDS

Strong to very strong ground shaking from a moderate to large earthquake on one of the faults in the Bay Area is likely to be felt at the subject site over the next few decades. The closest active fault to the site is the Hayward Fault which is located 5 kilometers from the site.

The site is just outside of the seismic hazard zone as defined by a map prepared by the California Division of Mines and Geology (CDMG) entitled State of California Seismic Hazard Zones, Oakland West Quadrangle, dated 14 November 2003. This map identifies areas where CDMG has determined the potential for liquefaction[3] exists. Geotechnical investigations in a seismic hazard zone must include exploration, evaluation and mitigation (if appropriate) of liquefaction and associated hazards. Because the site is in close proximity to the seismic hazard zone, we recommend liquefaction potential be evaluated during the final geotechnical investigation.

We judge the effect of liquefaction potential on the proposed building will be low because of the proposed depth of the new foundation; however, if present it will affect the design of certain elements, such as the below-grade walls, new utilities, and surface improvements.

PRELIMINARY CONCLUSIONS AND RECOMENDATIONS

The primary geotechnical issues that will influence design and construction of the proposed project include:

- the depth and competency of the Temescal formation below the project footprint
- the depth of the groundwater table across Parcel 1, Parcel 2, and the immediate surrounding area
- the presence of adjacent buildings and improvements and the effects of dewatering and shoring at the project jobsite on the adjacent existing buildings.

Foundations

The proposed project will consist of a 33-story, reinforced concrete structure with five stories of below-grade parking. Based on the preliminary architectural drawings, we understand the finished floor of the lowest garage level will be at a project elevation of -50 feet. We believe the

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[3] Liquefaction is a phenomenon where loose, saturated, cohesionless soil experiences temporary reduction in strength during cyclic loading such as that produced by earthquakes.

depth of the below-grade portion of the project will place the foundation within the upper ten to fifteen feet of Temescal formation.

Excavation for the new building may extend up to 60 feet below the existing ground surface. Assuming the soil that will be excavated weighs about 120 pounds per cubic foot (pcf) and the building will weigh between 150 pounds per square foot (psf) per floor, we estimate the soil beneath the foundation will experience only a small increase in net pressure.

The hydrostatic pressure, created by the difference in the groundwater level between the surrounding area and the bottom of the lowest floor slab, will be on the order of 50 to 60 percent of the building loads. Therefore, tension elements, such as tiedown anchors, would not be required to resist uplift forces.

We judge the most appropriate foundation types are:

- a mat foundation, or
- a deep foundation, consisting of driven piles, with a structural slab spanning between pile caps.

The mat foundation would gain support in stiff to very stiff sandy clay of the Temescal formation. The deep foundation would extend to a suitable bearing layer, most likely the dense to very dense silty sand of the San Antonio formation. Driven piles would most likely be driven from grade requiring predrilling and a long follower to be attached to the hammer.

At this time we have insufficient data to evaluate settlement. A site-specific geotechnical investigation should be performed in order to evaluate settlement due to the new building foundation; however, we judge that settlement would be on the order of 2 inches, which should be acceptable. Provided the predicted settlements are acceptable, we conclude a mat foundation is the most appropriate foundation for the proposed project because of the difficulty of installing deep foundations from the ground surface or from the excavation bottom. The mat should bear on the native stiff to very stiff clays. It should be waterproofed to prevent moisture migration.

Bearing capacity and settlement should be calculated following a site-specific geotechnical investigation. The mat should be designed to resist hydrostatic uplift.

Lateral forces can be resisted by a combination of friction along the base of the mat and passive resistance against the vertical faces of the mat foundation.

Basement Walls

To protect against moisture migration, basement walls should be waterproofed and water stops should be placed at all construction joints.

Basement walls will be partially submerged and should be designed to withstand the earth and hydrostatic pressures, as well as traffic surcharge, seismic earth pressures, and any pressures exerted from adjacent foundations. Walls should be drained above the groundwater table.

Typically the permanent basement walls are constructed directly against the temporary retaining system; therefore, no backfill should be required behind basement walls. As an alternative, a permanent retaining system can be used and form the final basement wall.

Dewatering Systems

Dewatering typically consists of either active systems or passive systems. A passive system would consist of a series of gravel-filled trenches, at least two feet deep. The trenches would surround the perimeter of the site, as well as cross the site at a spacing of about 20 feet, center to center. The trenches would be sloped to drain to one or two drainage locations where submersible pumps ("trash" pumps) could be installed inside drums ("drum sumps"). The primary advantage of a passive system is, that it is relatively easy to install; however, because the proposed bottom of excavation is significantly deeper than the anticipated groundwater table, we believe a passive system cannot effectively produce the drawdown required and therefore should not be used at the site.

An active dewatering system consists of a series of dewatering wells (well heads) surrounding the perimeter of the proposed structure. Based on the size of the proposed structure's footprint, we anticipate wells may also be required within the center of the site. The wells would be "continually" pumped using float switches to maintain the groundwater level below the base of the excavation. We believe the primary advantage of an active system is improved drawdown and ease of installation relative to a passive system.

The primary drawback of an active system is that the area of water drawdown occurs extends beyond the wells; therefore, the water will be drawn down beneath surrounding improvements in addition to the site. This drawdown will cause an increase in the effective stresses imposed on the soil beneath the foundations of the adjacent structures and, therefore may induce settlement of the existing structures if they are supported on shallow structures.

Based on the number of structures surrounding the proposed site that will be effected in the event of a drawdown of the water table, we recommend installation of a cut-off wall to shore the

excavation. In this case only internal dewatering will be required and there should be no significant lowering of the groundwater level outside of the excavation.

Temporary Shoring

During excavation of the basement levels, the sides of the excavation should be shored. Any loads from the foundations of adjacent buildings will have to be assessed and considered in the design of the shoring system. The primary considerations related to the selection of the shoring system are:

- the presence of shallow groundwater and the requirement to mitigate the potential for settlement of adjacent structures due to drawdown of the groundwater
- restrictions, if any, on the installation of lateral restraint mechanisms
- ability of the shoring system to penetrate the dense silty sand and gravel lenses within the upper 30 feet and at the Temescal interface.

We considered sheetpiles, but judge this system is not appropriate because driving the sheet piles through the dense lenses of gravel within the upper 30 feet and at the interface with the Temescal Formation may prove unfeasible. We also considered a concrete diaphragm walls. Concrete diaphragm walls are reinforced concrete walls constructed by slurry trench method. The walls are constructed in sections, called panels. During excavation of a panel, bentonite slurry is pumped into the trench to prevent the soil from caving. After the excavation reaches the design depth and the reinforcement cage is placed, the slurry is displaced by concrete that is poured through a tremie pipe. Diaphragm walls can be used as both temporary shoring and the permanent walls. Based on our experience with this type of shoring system we believe that it will likely prove to be more expensive than other shoring options.

We judge the most feasible shoring systems for this project consists of soil-cement walls. Soil-cement walls are installed by advancing hollow-stem augers and pumping cement slurry through the tips of the augers during auger withdrawal. The soil is mixed with the cement slurry in situ, forming continuous, overlapping, soil-cement columns or continuous walls. Steel beams are placed in the soil-cement columns provide rigidity. Soil-cement walls are considered temporary; permanent walls are usually built in front of the walls.

The shoring system could be tied back or internally braced. Tiebacks would have to be installed under the public streets and adjacent buildings; encroachment permits would be required. Where adjacent buildings have more than one below-grade story, it may not be possible to install tiebacks along the upper levels of the temporary shoring. Where tiebacks can not be used, lateral

restraint of the temporary shoring may be achieved using internal bracing. This option is typically avoided due to the restricted construction space and difficult construction sequencing it requires.

As an alternative, a top-down method of construction can be considered. With this method, the basement floors, which would be cast from the top down, would act as the bracing system. The construction procedure of the top-down method is described below.

Step 1: The shoring walls are installed.

Step 2: The site is excavated to the first basement level.

Step 3: Pin piles, which are the temporary support for the basement floors, are installed.

Step 4: The first basement floor is cast, except for openings needed for soil removal. These typically coincide with any central building core planned.

Step 5: The soil below the first basement level is excavated to the second basement level and the second basement level slab is cast.

Step 6: Repeat Step 5 for each subsequent level.

Step 7: Cast foundation mat.

Underpinning Adjacent Properties

Based on preliminary plans, we understand that the two existing adjacent residential structures are located approximately 25 to 30 feet beyond the face of the proposed excavation. These structures will not require underpinning, but instead, the pressure from the foundations of these structures on the temporary shoring and final permanent basement walls should be assessed. Where the smaller garage structures are within 5 feet of the proposed excavation, we recommend the foundations of these structures be underpinned. Various types of underpinning should be considered, including soil-cement walls. The underpinning elements should be impervious.

The underpinning shoring system should be designed to resist at-rest pressures; tiebacks will likely be needed to provide adequate resistance against the lateral pressures. Tiebacks to be installed beneath existing buildings should be drilled using a smooth-cased method to reduce the potential for loss of ground beneath the buildings.

Seismic Design

On a preliminary basis, the proposed building should be designed in accordance with the 2001 California Building Code using the following:

- Seismic Zone Factor 0.4
- Soil Profile Type S_D
- Near Source Factors N_a of 1.2 and N_v of 1.6.

Construction Considerations

The soil that will be removed as part of the excavation during the construction of the foundation should be analytically profiled prior to excavation to assess suitability of reuse at other sites or for appropriate landfill selection. At the time this report was written no information on any environmental studies performed at the site were available, however, the potential for the shallow (upper 10 to 20 feet) material blanketing the subject property to be contaminated should be assessed prior to its removal and disposal off site. .

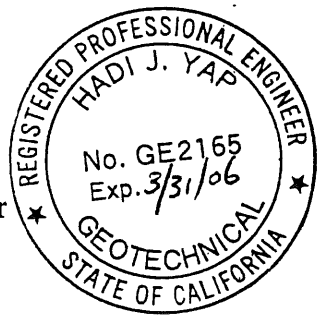
FINAL GEOTECHNICAL INVESTIGATION

A geotechnical investigation including subsurface exploration and laboratory testing to evaluate the site-specific subsurface conditions should be conducted prior to final design. We can provide these services along with a written report that will provide final geotechnical recommendations for the most appropriate foundation, permanent below-grade walls, and temporary shoring and underpinning, as well as dewatering design parameters and other construction considerations.

Sincerely yours,
TREADWELL & ROLLO, INC.

James P. Heugas, P.E.
Senior Staff Engineer

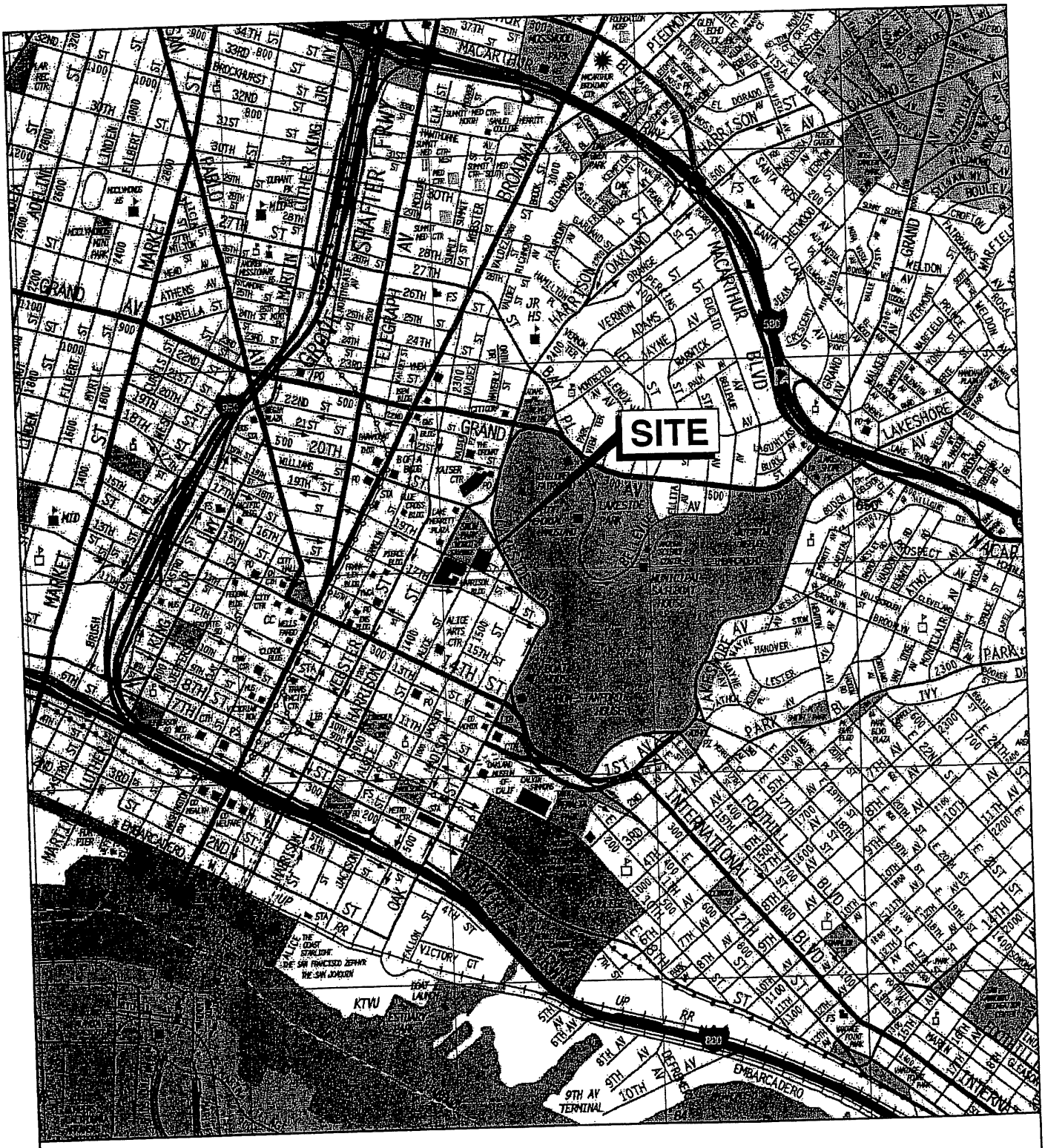
Hadi J. Yap, Ph.D.
Geotechnical Engineer



43270102.OAK

Attachments: Figure 1 – Site Location Plan
Figure 2 – Site Plan
Figure 3 – Map of Major Faults and Earthquake Epicenters in the San Francisco Bay Area
Figure 4 – Modified Mercalli Intensity Scale

FIGURES



Base map: The Thomas Guide
Alameda County
1999

0 1/4 1/2 Mile

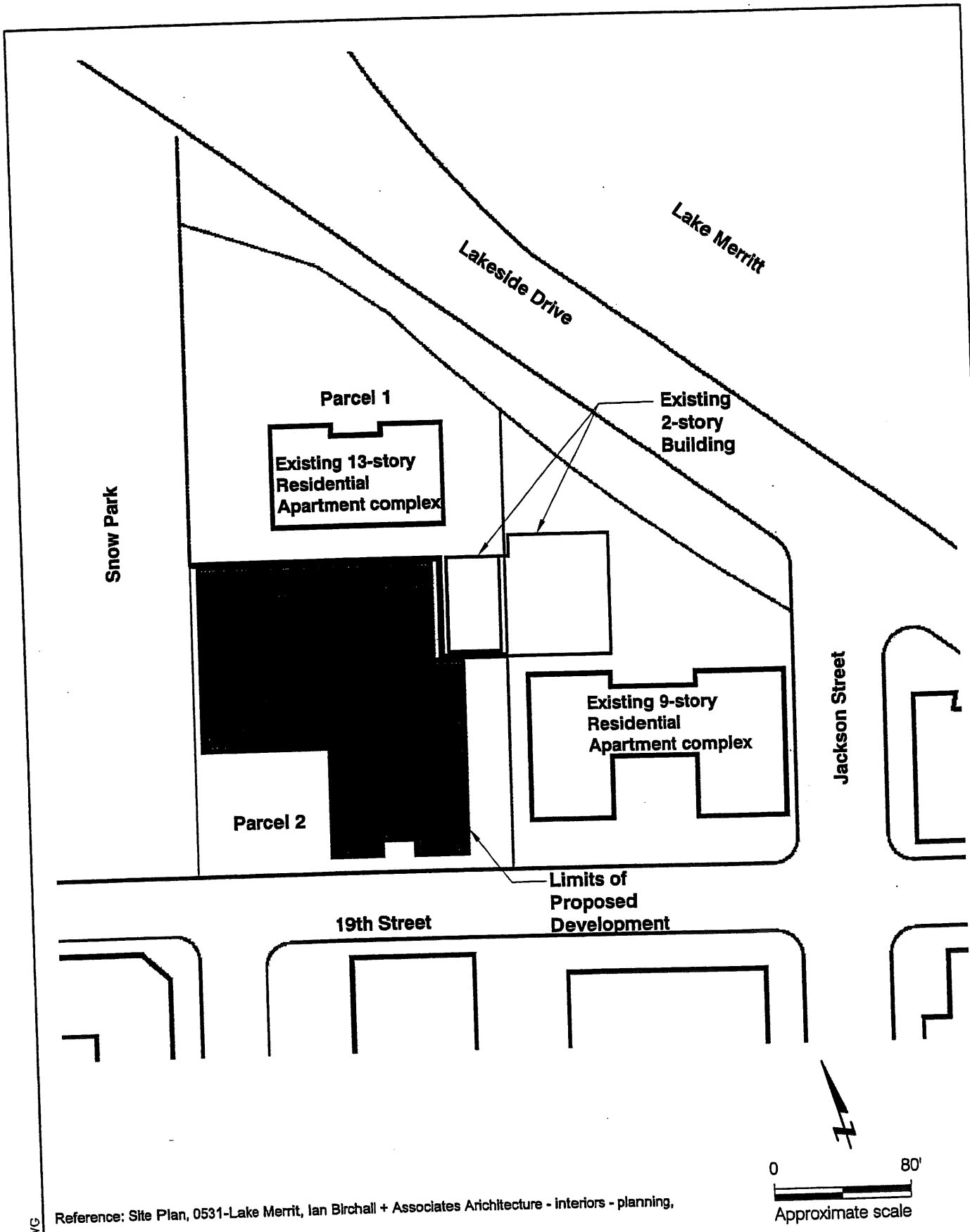
Approximate scale

244 LAKESIDE DRIVE
Oakland, California

SITE LOCATION MAP

Treadwell&Rollo

Date 01/19/06	Project No. 4327.01	Figure 1



Reference: Site Plan, 0531-Lake Merrit, Ian Birchall + Associates Arichitecture - interiors - planning, dated 01-03-06

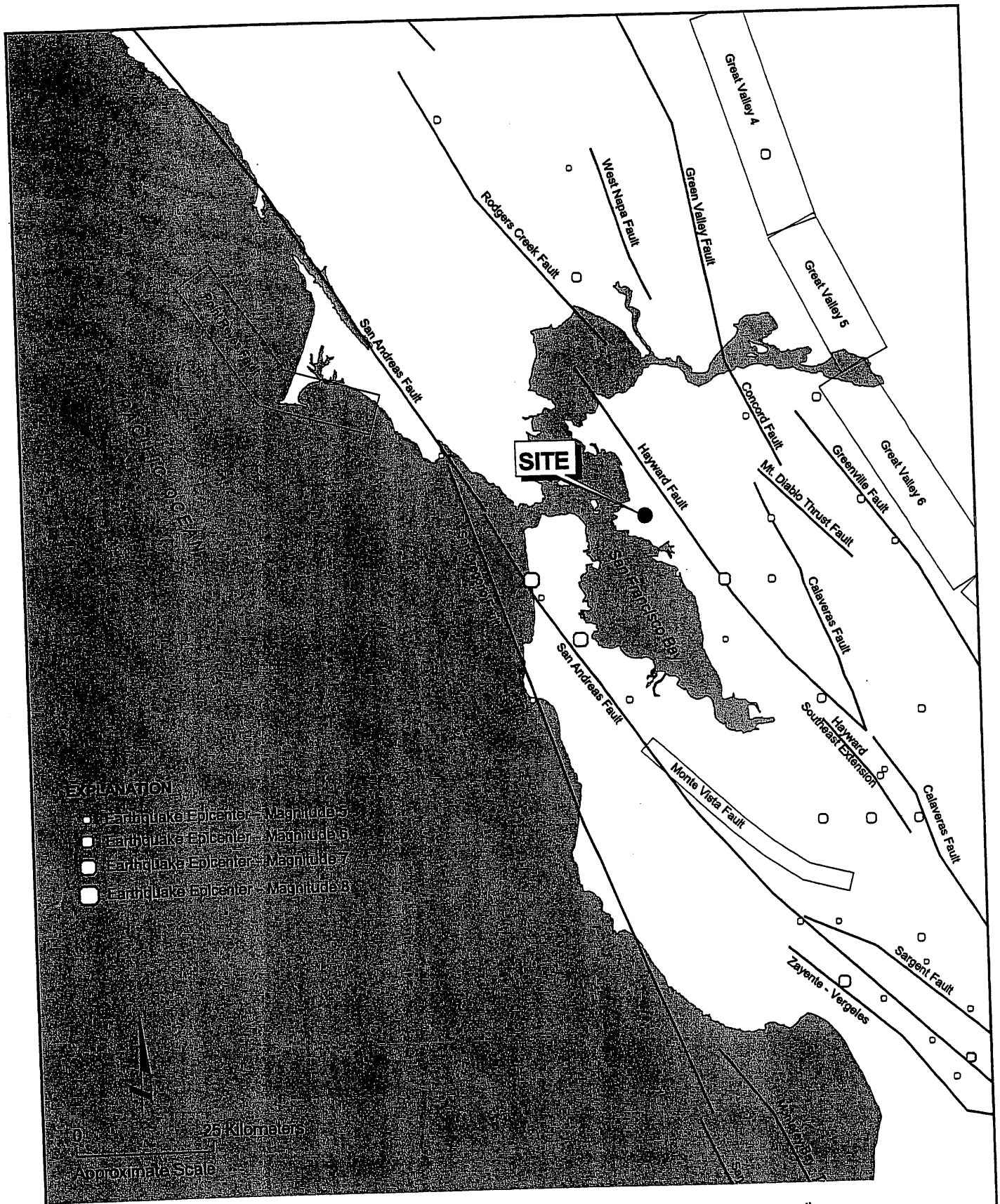
244 LAKESIDE DRIVE
Oakland, California

SITE PLAN

Treadwell&Rollo

Date 01/25/06 | Project No. 4327.01 | Figure 2

4327.01 SITE PLAN.DWG



NOTES:
Digitized data for fault coordinates and earthquake catalog was developed by the California Department of Conservation Division of Mines and Geology. The historic earthquake catalog includes events from January 1800 to December 2000.

244 LAKESIDE DRIVE
Oakland, California

MAP OF MAJOR FAULTS AND EARTHQUAKE EPICENTERS IN THE SAN FRANCISCO BAY AREA

Treadwell&Rollo

Date: 01/17/06 | Project No. 4327.01 | Figure: 3

I **Not felt by people, except under especially favorable circumstances. However, dizziness or nausea may be experienced.**
Sometimes birds and animals are uneasy or disturbed. Trees, structures, liquids, bodies of water may sway gently, and doors may swing very slowly.

II **Felt indoors by a few people, especially on upper floors of multi-story buildings, and by sensitive or nervous persons.**
As in Grade I, birds and animals are disturbed, and trees, structures, liquids and bodies of water may sway. Hanging objects swing, especially if they are delicately suspended.

III **Felt indoors by several people, usually as a rapid vibration that may not be recognized as an earthquake at first. Vibration is similar to that of a light, or lightly loaded trucks, or heavy trucks some distance away. Duration may be estimated in some cases.**
Movements may be appreciable on upper levels of tall structures. Standing motor cars may rock slightly.

IV **Felt indoors by many, outdoors by a few. Awakens a few individuals, particularly light sleepers, but frightens no one except those apprehensive from previous experience. Vibration like that due to passing of heavy, or heavily loaded trucks. Sensation like a heavy body striking building, or the falling of heavy objects inside.**
Dishes, windows and doors rattle; glassware and crockery clink and clash. Walls and house frames creak, especially if intensity is in the upper range of this grade. Hanging objects often swing. Liquids in open vessels are disturbed slightly. Stationary automobiles rock noticeably.

V **Felt indoors by practically everyone, outdoors by most people. Direction can often be estimated by those outdoors. Awakens many, or most sleepers. Frightens a few people, with slight excitement; some persons run outdoors.**
Buildings tremble throughout. Dishes and glassware break to some extent. Windows crack in some cases, but not generally. Vases and small or unstable objects overturn in many instances, and a few fall. Hanging objects and doors swing generally or considerably. Pictures knock against walls, or swing out of place. Doors and shutters open or close abruptly. Pendulum clocks stop, or run fast or slow. Small objects move, and furnishings may shift to a slight extent. Small amounts of liquids spill from well-filled open containers. Trees and bushes shake slightly.

VI **Felt by everyone, indoors and outdoors. Awakens all sleepers. Frightens many people; general excitement, and some persons run outdoors.**
Persons move unsteadily. Trees and bushes shake slightly to moderately. Liquids are set in strong motion. Small bells in churches and schools ring. Poorly built buildings may be damaged. Plaster falls in small amounts. Other plaster cracks somewhat. Many dishes and glasses, and a few windows break. Knickknacks, books and pictures fall. Furniture overturns in many instances. Heavy furnishings move.

VII **Frightens everyone. General alarm, and everyone runs outdoors.**
People find it difficult to stand. Persons driving cars notice shaking. Trees and bushes shake moderately to strongly. Waves form on ponds, lakes and streams. Water is muddied. Gravel or sand stream banks cave in. Large church bells ring. Suspended objects quiver. Damage is negligible in buildings of good design and construction; slight to moderate in well-built ordinary buildings; considerable in poorly built or badly designed buildings, adobe houses, old walls (especially where laid up without mortar), spires, etc. Plaster and some stucco fall. Many windows and some furniture break. Loosened brickwork and tiles shake down. Weak chimneys break at the roofline. Cornices fall from towers and high buildings. Bricks and stones are dislodged. Heavy furniture overturns. Concrete irrigation ditches are considerably damaged.

VIII **General fright, and alarm approaches panic.**
Persons driving cars are disturbed. Trees shake strongly, and branches and trunks break off (especially palm trees). Sand and mud erupts in small amounts. Flow of springs and wells is temporarily and sometimes permanently changed. Dry wells renew flow. Temperatures of spring and well waters varies. Damage slight in brick structures built especially to withstand earthquakes; considerable in ordinary substantial buildings, with some partial collapse; heavy in some wooden houses, with some tumbling down. Panel walls break away in frame structures. Decayed pilings break off. Walls fall. Solid stone walls crack and break seriously. Wet grounds and steep slopes crack to some extent. Chimneys, columns, monuments and factory stacks and towers twist and fall. Very heavy furniture moves conspicuously or overturns.

IX **Panic is general.**
Ground cracks conspicuously. Damage is considerable in masonry structures built especially to withstand earthquakes; great in other masonry buildings - some collapse in large part. Some wood frame houses built especially to withstand earthquakes are thrown out of plumb, others are shifted wholly off foundations. Reservoirs are seriously damaged and underground pipes sometimes break.

X **Panic is general.**
Ground, especially when loose and wet, cracks up to widths of several inches; fissures up to a yard in width run parallel to canal and stream banks. Landsliding is considerable from river banks and steep coasts. Sand and mud shifts horizontally on beaches and flat land. Water level changes in wells. Water is thrown on banks of canals, lakes, rivers, etc. Dams, dikes, embankments are seriously damaged. Well-built wooden structures and bridges are severely damaged, and some collapse. Dangerous cracks develop in excellent brick walls. Most masonry and frame structures, and their foundations are destroyed. Railroad rails bend slightly. Pipe lines buried in earth tear apart or are crushed endwise. Open cracks and broad wavy folds open in cement pavements and asphalt road surfaces.

XI **Panic is general.**
Disturbances in ground are many and widespread, varying with the ground material. Broad fissures, earth slumps, and land slips develop in soft, wet ground. Water charged with sand and mud is ejected in large amounts. Sea waves of significant magnitude may develop. Damage is severe to wood frame structures, especially near shock centers, great to dams, dikes and embankments, even at long distances. Few if any masonry structures remain standing. Supporting piers or pillars of large, well-built bridges are wrecked. Wooden bridges that "give" are less affected. Railroad rails bend greatly and some thrust endwise. Pipe lines buried in earth are put completely out of service.

XII **Panic is general.**
Damage is total, and practically all works of construction are damaged greatly or destroyed. Disturbances in the ground are great and varied, and numerous shearing cracks develop. Landslides, rock falls, and slumps in river banks are numerous and extensive. Large rock masses are wrenched loose and torn off. Fault slips develop in firm rock, and horizontal and vertical offset displacements are notable. Water channels, both surface and underground, are disturbed and modified greatly. Lakes are dammed, new waterfalls are produced, rivers are deflected, etc. Surface waves are seen on ground surfaces. Lines of sight and level are distorted. Objects are thrown upward into the air.

244 LAKESIDE DRIVE
Oakland, California

MODIFIED MERCALLI INTENSITY SCALE

Treadwell&Rollo

Date: 01/17/06 | Project No. 4327.01 | Figure: 4

APPENDIX K

HEALTH RISK ASSESSMENT

EMERALD VIEWS
RESIDENTIAL DEVELOPMENT

HEALTH RISK ASSESSMENT

CITY OF OAKLAND, CALIFORNIA

LSA

February 2011

EMERALD VIEWS RESIDENTIAL DEVELOPMENT

HEALTH RISK ASSESSMENT

CITY OF OAKLAND, CALIFORNIA

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February 2011

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APPENDIX

A: MODELING DATA AND SCREEN3 OUTPUT

INTRODUCTION

LSA Associates, Inc. (LSA) has completed a health risk assessment (HRA) for the construction of the proposed Emerald Views Residential Project (project) as required by the City of Oakland (City), California. The proposed project is located within Downtown Oakland on the northern edge of the Gold Coast District and adjacent to the Kaiser Center and Lake Merritt District. The project site and regional location are shown in Figure 1. A more detailed vicinity map is shown in Figure 2.

This analysis considered the site-specific meteorological conditions and the proximity of the project site to nearby existing residential buildings to determine the potential risk to these nearby residents from emissions, including diesel particulate matter (DPM) and particulate matter less than 2.5 microns ($PM_{2.5}$) generated from construction operations. This HRA only examines the increased health risk levels to nearby residents from air emissions related to the construction of the proposed project, it does not include the ambient levels of air pollution that all residents of Oakland are exposed to.

The results of the analysis conclude that the cancer risk associated with exposure of existing residents near to the project site to construction emissions would not exceed the significance criterion for toxic air contaminants (TACs) assuming outdoor exposure (an assumption that is protective of human health) as established by the Bay Area Air Quality Management District (BAAQMD).However, $PM_{2.5}$ concentration from construction would exceed the significance criterion.

The following discussion provides the technical background information used to determine the health risk to existing residents near to the project site.

General Health Risks of Toxics

Determining how hazardous a substance is depends on many factors, including the amount of the substance in the air, how it enters the body, how long the exposure lasts, and what organs in the body are affected. One major way hazardous substances might enter the body is through inhalation of either gases or particulates. Many gases and very small particles that penetrate deeply into the lungs are potentially harmful and can contribute to a variety of health problems. Exhaust from diesel engines is a major source of harmful airborne particles. The inhalation of diesel exhaust particulates is associated with both cancer and noncancer health effects.

California's Office of Environmental Health Hazard Assessment (OEHHA) has determined that long-term exposure to diesel exhaust particulates poses the highest cancer risk of any TAC it has evaluated. Exposure to diesel exhaust can also have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they were allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks.

Fortunately, improvements to diesel fuel and diesel engines have already reduced emissions of some of the contaminants. These improvements have resulted in a 75 percent reduction in particle emissions from diesel-powered trucks and other equipment currently (as compared to 2000 levels)



LSA

FIGURE 1

N

0 500 1000

FEET

LEGEND

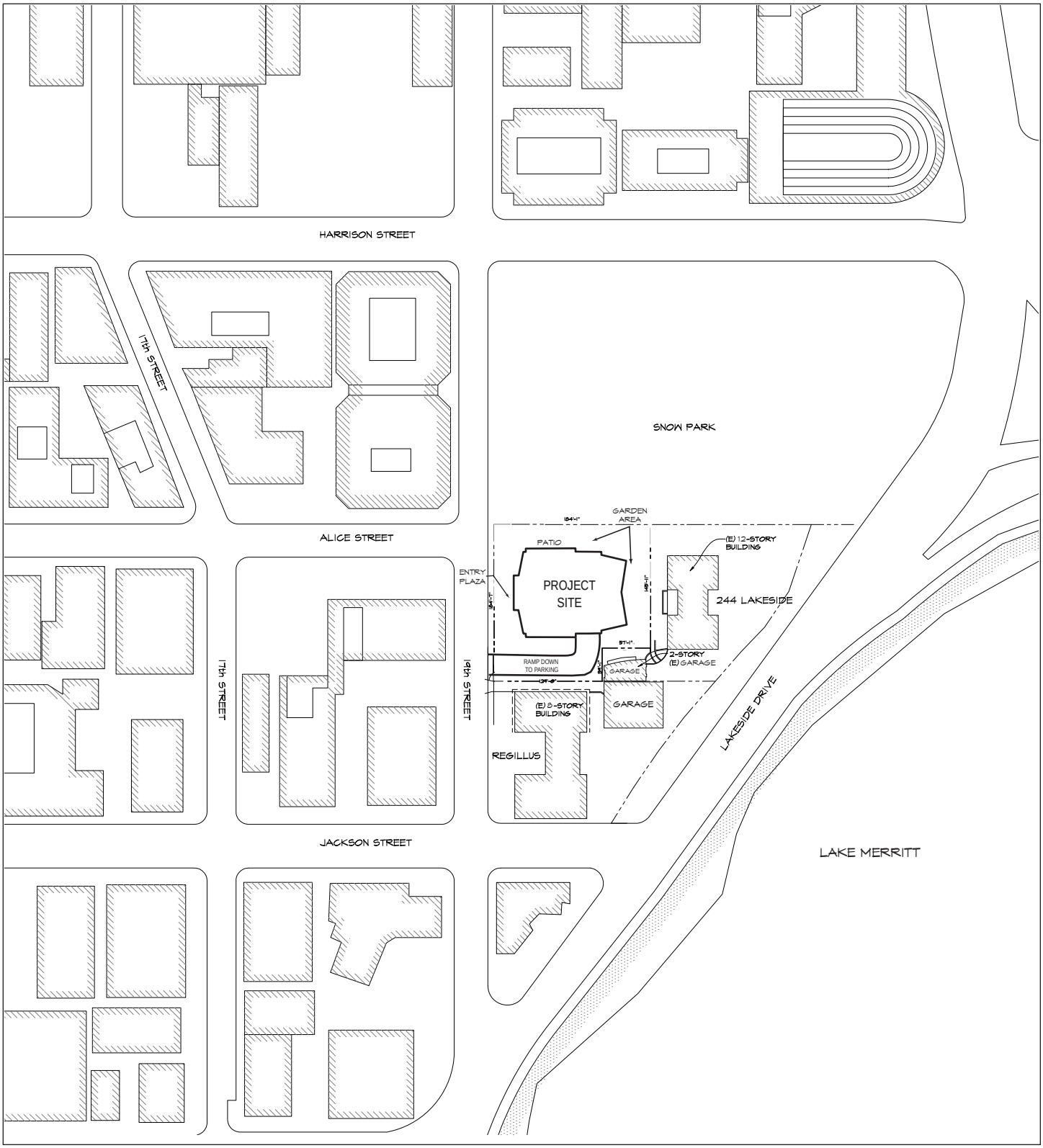
PROJECT SITE

Emerald Views Health Risk Assessment

Project Vicinity and Regional Location Map

SOURCE: GOOGLE, LSA ASSOCIATES, INC., 2006.

I:\SDZ0601 19th street\figures\Health Risk Assessment\Fig_1.ai (2/15/11)



LSA

FIGURE 2

N

0 120 240

FEET

Emerald Views Health Risk Assessment

Project Site Map

SOURCE: IAN BURCHALL & ASSOCIATES, INC., 2007.

I:\SDZ0601 19th street\figures\Health Risk Assessment\Fig_2.ai (2/15/11)

and when fully implemented, an 85 percent reduction by 2020.[1] Similarly, improvements have been made to significantly reduce TAC emissions from gasoline-powered vehicles. These improvements are anticipated to continue into the foreseeable future.

Analysis of Site-Specific Toxics

According to the California Air Resources Board,[2] when conducting an HRA, diesel particulate matter (DPM) is the surrogate for whole diesel exhaust and is used as the basis for the potential risk calculations. When conducting an HRA, the potential cancer risk from inhalation exposure to DPM will outweigh the potential noncancerous health impacts. Therefore, inhalation cancer risk is required for every HRA. When comparing whole diesel exhaust to speciated diesel exhaust,[3] potential cancer risk from inhalation exposure to whole diesel exhaust will outweigh the multipathway cancer risk from the speciated components. For this reason, there are few situations where an analysis of multipathway risk is necessary.[4] The analysis herein assesses whole diesel exhaust emissions as DPM. It also includes the emissions of $PM_{2.5}$ to determine off-site concentrations.

Significance Criteria

The BAAQMD *CEQA Guidelines*[5] include thresholds of significance for air pollutants. The goal of the thresholds is to ensure that no source creates, or receptor endures, a significant adverse impact from any individual project and that the total of all nearby directly emitted risk and hazard emissions is also not significantly adverse. If a project exceeds the identified significance thresholds, its emissions in concert with contributions from all nearby sources may result in significant adverse air quality impacts to the community's existing air quality conditions.

The thresholds for local risks and hazards from TAC and $PM_{2.5}$ are intended to apply to all sources of emissions, including both permitted stationary sources and on- and off-road mobile sources, such as sources related to construction, busy roadways, or freight movements. For an individual project that is a new source, the threshold is to comply with a qualified community risk reduction plan or the health risk level to the nearest receptor (worker and/or resident) regardless of distance for cancer must be less that 10 in a million, for chronic and acute affects the hazard index must be less than 1.0 and for $PM_{2.5}$ the concentration must be less than 0.3 µg/m.[3]

[1] California Environmental Protection Agency (CalEPA) OEHHA and American Lung Association of California, 2002. *Health Effects of Diesel Exhaust.* April.

[2] California Air Resources Board, 2005. http://www.arb.ca.gov/toxics/harp/docs/userguide/appendixK.pdf.

[3] Speciation involves looking at the individual components of the exhaust, such as polynuclear aromatic hydrocarbons and metals.

[4] Office of Environmental Health Hazard Assessment, 2003. *Air Toxics Hot Spots Program Risk Assessment Guidelines, Appendix D, Risk Assessment Procedures to Evaluate Particulate Emissions from Diesel-Fueled Vehicles, Section B.* August.

[5] Bay Area Air Quality Management District, 2010. *California Environmental Quality Act, Air Quality Guidelines.* June.

In accordance with OEHHA's revised health risk assessment guidelines,[6] calculation of cancer risk estimates should also incorporate age sensitivity factors (ASFs). The revised TSD for Cancer Potency Factors provides updated calculation procedures used to consider the increased susceptibility of infants and children to carcinogens, as compared to adults. The updated calculation procedure includes the use of age-specific weighting factors in calculating cancer risks from exposures of infants, children and adolescents, to reflect their anticipated special sensitivity to carcinogens. OEHHA recommends weighting cancer risk by a factor of 10 for exposures that occur from the third trimester of pregnancy to 2 years of age, and by a factor of 3 for exposures that occur from 2 years through 15 years of age. These weighting factors should be applied to all carcinogens. For estimating cancer risk for residential receptors, the incorporation of the ASFs results in a cancer risk adjustment factor (CRAF) of 1.7. For estimating cancer risk for student receptors, a CRAF of 3 should be applied. For estimating cancer risk for worker receptors, a CRAF of 1 should be applied.

HEALTH RISK ASSESSMENT

To estimate the potential cancer risk associated with construction of the proposed project from vehicle engine exhaust (including DPM), a dispersion model is used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence). Dispersion modeling varies from the simpler, more conservative screening-level analysis to the more complex and refined detailed analysis. This assessment was conducted using the ARB health risk model, Hot-Spots Analysis and Reporting Program (HARP), with the air dispersion modeling performed using the Environmental Protection Agency (EPA) dispersion model, ISCST3. The model provides a detailed estimate of concentrations based on site and source geometry, source emissions strength, distance from the source to the receptor, and site-specific meteorological data.

Analysis Methodology

This HRA was conducted following the OEHHA Guidelines, recommendations of the ARB[7], and the BAAQMD Guidelines.[8] The analysis consists of several steps: determine the emission factors for particulate matter less than 10 microns in diameter (PM_{10}), particulate matter less than 2.5 microns in diameter ($PM_{2.5}$), and reactive organic gases (ROG); determine source emission rates; use an air dispersion model to predict concentrations at the project site; translate the resulting concentrations into health risk values; and compare the health risk values to thresholds to determine significance.

To estimate the potential cancer risk associated with project construction equipment diesel engine exhaust, an air dispersion model is used to translate an emission rate from a source location to a concentration at a receptor location of interest. Air dispersion modeling varies from the simpler, more conservative screening-level analysis to the more complex and refined detailed analysis. This assessment was conducted using the EPA dispersion model SCREEN3. This model provides conservative estimates of concentrations considering site and source geometry, source strength,

[6] Office of Environmental Health Hazard Assessment, 2009. *Technical Support Document (TSD) for Cancer Potency Factors*. May.

[7] California Air Resources Board, 2005. *HARP Model Documentation, Appendix K, Risk Assessment Procedures to Evaluate Particulate Emissions from Diesel-Fueled Engines*. February.

[8] Bay Area Air Quality Management District, 2010. *CEQA Modeling Approach*, May 2010, *Health Risk Screening Analysis Guidelines*, January 2010, *CEQA Construction Screening Approach*, May 2010.

distance to receptor, and building wake effects on plume distribution. The SCREEN3 model was developed to provide an easy-to-use method of obtaining pollutant concentration estimates where upper-bound estimates are required or where meteorological data is unavailable. It is a useful tool in proving that an impact is not significant (i.e., if a screening-level analysis demonstrates an impact not significant, its conservative nature provides confidence in this conclusion). Screening-level modeling is less useful in concluding that an impact is significant. When a screening-level analysis indicates a significant impact, this conclusion normally points to the need for a more sophisticated (and less conservative) method of analysis using a model such as ISCST3 or AERMOD.

Emission Estimates. This HRA was conducted as recommended in the OEHHA Guidelines, by the ARB,[9] and the BAAQMD.[10] It consists of several steps including: determine the PM_{10} emission factor, emission rate, and concentration at locations of interest; translate the PM_{10} concentrations into health risk values and compare the health risk values to thresholds and determine significance.

Emission factors for equipment emissions were estimated using the ARB's OFFROAD2007 and EMFAC2007 models. Both models include assumptions of technological and regulatory changes that will reduce emission rates over time. The HRA only allows for a single emission rate for the entire 70-year health risk evaluation period. Therefore, a worst-case set of emission factors from the year 2011 was used to represent the long-term 70-year evaluation period.

Excavation for the five levels of below-ground parking and building foundations would extend approximately 60 feet below the existing ground surface and require removal of approximately 212,000 cubic yards of soil. Screw piles would be used in construction of the foundation of the proposed project.

A Construction Utilization Plan has been submitted to the City by the project applicant, which outlines construction tasks, duration of tasks, equipment needed, access point(s), and storage and staging locations. Total project construction is anticipated to take 33 months. Site grading and excavation is anticipated to take 6 months. Building construction, including the concrete structure, building skin, elevators and roofing is anticipated to take 22 months. Interior construction work will begin while building construction is being completed; interior work, site work and inspections will extend 5 months after building construction is generally complete. Primary access for all material delivery and off-haul would be provided by Lakeside Drive, with secondary access on 19th Street as necessary, with the exception of elevator construction, roof construction and interior work, where access would be provided exclusively from Lakeside Drive.

The PM_{10} emission rate was determined by using estimated equipment utilization, as shown in Table 1, combined with the OFFROAD2007 and EMFAC2007 emissions factors, included in Appendix A.

[9] Air Resources Board, 2005. *HARP Model Documentation, Appendix K, Risk Assessment Procedures to Evaluate Particulate Emissions from Diesel-Fueled Engines.* February.

[10] Bay Area Air Quality Management District, 2010. *CEQA Construction Screening Approach*, May 2010, *Health Risk Screening Analysis Guidelines*, January 2010, and *Recommended Methods for Screening and Modeling Local Risks and Hazards*, May 2010.

Table 1: Equipment Usage and Diesel Particulate Emissions

Equipment Type	Number of Units	Usage Duration	Hours Used per Day	PM_{10} Emission Factor (lbs/hr)	PM_{10} Emissions Rate (lbs/day)
Earthwork					
Front-End Loader	2	24 weeks	5	6.22E-02	0.31
Skip Loader	2	24 weeks	5	1.97E-02	0.10
Bobcat Loader	1	20 weeks	7	4.77E-02	0.33
Roller	1	24 weeks	6	6.11E-02	0.37
Backhoe	2	24 weeks	6	4.77E-02	0.29
Jumping Jack	1	10 weeks	4	9.14E-02	0.37
Generator Set	1	24 weeks	7	6.60E-02	0.46
				Total	**2.2**
Construction					
Skip Loader	2	88 weeks	6	1.97E-02	0.12
Backhoe	2	88 weeks	6	4.77E-02	0.29
Crane	1	44 weeks	5	3.58E-01	1.79
Forklift	2	88 weeks	6	3.53E-02	0.21
Manlift	1	44 weeks	5	6.05E-02	0.30
Generator Set	1	88 weeks	7	6.60E-02	0.46
				Total	**3.2**
Painting & Paving					
Skip Loader	2	20 weeks	7	1.97E-02	0.14
Paving Machine	1	10 weeks	7	8.18E-02	0.57
Roller	1	10 weeks	6	6.11E-02	0.37
Vibratory Plate	1	10 weeks	6	1.31E-03	0.01
Striping machines	1	2 weeks	6	6.41E-02	0.38
Generator Set	1	20 weeks	7	6.60E-02	0.46
				Total	**1.9**

Source: LSA Associates, Inc., February 2011.
lbs/hr = pounds per hour
lbs/day = pounds per day
PM_{10} = particulate matter less than 10 microns in size

Table 2: Support Equipment Usage and Diesel Particulate Emissions

Equipment Type	Number of Units	Miles per Day	PM_{10} Emission Factor (gms/mile)	PM_{10} Emissions Rate (lbs/day)
Mechanic Truck	1	10	0.04	0.00088
Fuel Truck	1	10	0.04	0.00088
Foreman Truck	1	10	0.04	0.00088
Delivery Trucks	10	30	0.035	0.023
Worker Commute	40	50	0.02	0.088
			Total	**0.11**

Source: LSA Associates, Inc., February 2011.
gms/mile = grams per mile
lbs/day = pounds per day
PM_{10} = particulate matter less than 10 microns in size

Since the construction equipment operates all over the site, for the purposes of this analysis, all diesel truck exhaust was modeled as if it came from a single spot on-site. This technique was used because it generates health-risk values that are more conservative than the reality of spreading the equipment emissions over the site. The SCREEN3 input parameters are shown in Table 3. The receptor height was set to approximate the lowest floor the nearby residents live on.

Table 3: SCREEN3 Input Parameters

Source Type = Volume
Emission Rate (g/s) = 1.00
Souce Height (m) = 3.00
Init. Lateral Dimension (m) = 4.65
Init. Vertical Dimension (m)= 4.65
Receptor Height (m) = 25.00
Urban/Rural Option = Urban

Source: LSA Associates, Inc., 2011.
g/s = grams per second
m = meters
k = degrees Kelvin

Table 4 shows the SCREEN3 PM_{10} concentrations at a range of locations using the PM_{10} emission rates from Tables 1 and 2. The nearest sensitive receptors are residences approximately 3.0 to 4.6 meters (10 to 15 feet) to the east of the project site. For the purpose of this HRA a distance of 65 feet (20 meters) was utilized to represent an average exposure distance. Concentrations increase with distance due to the nature of the air dispersion and the plume effect; the peak concentration occurs at approximately 90 meters (295 feet) distance. The SCREEN3 model output is included in the Appendix.

Table 4: SCREEN3 Modeling Results

Distance (m)	PM_{10} Concentrations ($\mu g/m^3$)		$PM_{2.5}$ Concentrations ($\mu g/m^3$)
	24-Hour	Annual	24-Hour
20	2.7	0.12	2.5
25	4.0	0.18	3.6
30	5.0	0.23	4.6
35	5.8	0.27	5.3
40	6.3	0.29	5.8
45	6.7	0.30	6.1
50	7.1	0.32	6.5
60	7.5	0.34	6.9
70	7.4	0.34	6.8
80	7.1	0.32	6.5
90	7.2	0.33	6.6
100	7.1	0.33	6.6
200	5.5	0.25	5.0
300	4.5	0.21	4.2
400	3.5	0.16	3.2
500	2.8	0.13	2.6

Source: LSA Associates, Inc., February 2011.
Note: $PM_{2.5}$ concentrations derived from PM_{10} concentrations using the $PM_{2.5}$ fraction of PM_{10} value of 0.92 from the ARB.
m = meters

PM_{10} = particulate matter less than 10 microns in size
$\mu g/m^3$ = micrograms per cubic meter

Assuming that the emissions of PM_{10} exactly represents DPM, the peak PM_{10} concentration from Table 4 is translated to the health risk value shown in Table 5 using the OEHHA methodology as described in the following equations:

Inhalation cancer risk = (Cair * DBR * A * EF * ED * $1x10^{-6}$) / AT * Inhalation Cancer Potency Factor

where:

Cair		Concentration of PM_{10} in air	
DBR	303 or 452	Adult or Child Daily breathing rate	(L/kg-day)
A	1	Inhalation absorption factor	
EF	350	Exposure frequency	(days/yr)
ED	4 months	Exposure duration	(years)
AT	25,550	Avg. time period of exposure	(days)
Diesel PM_{10}	1.1	Inhalation Cancer Potency factor	$(mg/kg-d)^{-1}$

Source: OEHHA Guidelines, August 2003.

and applying the 1.7 CRAF. Additionally, the chronic risk level is calculated as follows:

Inhalation chronic risk = Cair / Inhalation Chronic REL

where: Inhalation Chronic REL = 5.0

Acute Emission Impacts. The only TAC expected to be emitted in any substantial quantity is diesel exhaust particulate. Exposure to diesel exhaust can have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks. However, according to the rulemaking on *Identifying Particulate Emissions from Diesel-Fueled Engines as a Toxic Air Contaminant* (ARB 1998), the available data from studies of humans exposed to diesel exhaust are not sufficient for deriving an acute noncancer health risk guidance value. While the lungs are a major target organ for diesel exhaust, studies of the gross respiratory effects of diesel exhaust in exposed workers have not provided sufficient exposure information to establish a short-term noncancer health risk guidance value for respiratory effects. Therefore, the potential for short-term acute exposure from project-related toxic emissions will be less than significant.

Carcinogenic and Chronic Impacts. The results for carcinogenic and chronic impacts are shown in Table 5. Results of the analysis indicate that the maximum exposed individual (MEI) inhalation cancer risk associated with living at the closest residence would be 0.20 in 1 million which is less

than the threshold of 10 in 1 million. The maximum chronic hazard index would be 0.066, which is below the threshold of 1.0.

Table 5: Inhalation Health Risks from Road Sources

Location	Carcinogenic Inhalation Health Risk with CRAF	Chronic Inhalation Health Index
Nearby Residence	0.20 in 1 million	0.066
Threshold	**10 in a million**	**1.0**

LSA Associates, Inc., February 2011.

Table 4 also shows that the peak concentration of $PM_{2.5}$ from the equipment exhaust of construction operations is 6.9 µg/m^3. This is above the BAAQMD significance threshold of 0.3 µg/m^3. There are no feasible exhaust control measures to reduce the emissions of $PM_{2.5}$. The only feasible method to reduce these emissions is to reduce the amount of diesel fuel consumed, either by improving the combustion efficiency of diesel equipment or replacing the diesel equipment with either electrically-powered equipment or alternatively-fueled equipment.

CONCLUSIONS

As shown in Table 5, the exposure to the nearby residences of project construction emissions would result in a maximum risk level that is below the BAAQMD's carcinogenic criteria of significance (10 in 1 million). However, the anticipated peak concentrations of $PM_{2.5}$ are expected to exceed the BAAQMD threshold of 0.3 µg/m^3. The following applicable measures recommended by the BAAQMD would minimize exhaust emissions:

a) Idling times shall be minimized either by shutting equipment off when not is use or reducing the maximum idling time to five minutes (as required by the California airborne toxics control measure Title 13, Section 2485, of the California Code of Regulations. Clear signage to this effect shall be provided for construction workers at all access points.

b) All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.

c) Minimize the idling time of diesel-powered construction equipment to two minutes.

d) The project applicant shall develop a plan demonstrating that the off-road equipment (more than 50 horsepower) to be used in the construction project (i.e., owned, leased, and subcontractor vehicles) would achieve a project wide fleet-average 20 percent NOx reduction and 45 percent particulate matter (PM) reduction compared to the most recent ARB fleet average. Acceptable options for reducing emissions include the use of late model engines, low-emission diesel products, alternative fuels, engine retrofit technology, after-treatment products, add-on devices such as particulate filters, and/or other options as they become available.

e) All construction equipment, diesel trucks, and generators shall be equipped with Best Available Control Technology for emission reductions of NOx and PM.

f) Off-road heavy diesel engines shall meet the ARB's most recent certification standard.

Implementation of the City's Standard COA for construction-related air pollution controls would reduce construction emission impacts; the Standard COA include all feasible emission reduction measures recommended by BAAQMD. However, as shown in Table 4, $PM_{2.5}$ concentration from construction would remain significant and unavoidable (SU).

REFERENCES

Bay Area Air Quality Management District, CEQA Construction Screening Approach, May 2010

Bay Area Air Quality Management District, Health Risk Screening Analysis Guidelines, January 2010

Bay Area Air Quality Management District, Recommended Methods for Screening and Modeling Local Risks and Hazards, May 2010.

California Air Resources Board. *Identifying Particulate Emissions from Diesel-Fueled Engines as a Toxic Air Contaminant*. July, 1998.

California Air Resources Board. *Risk Assessment Procedures to Evaluate Particulate Emissions from Diesel-Fueled Engines*, http://www.arb.ca.gov/toxics/harp/docs/userguide/appendixK.pdf, 2005

California Air Resources Board, *Speciation Profiles Used in ARB Modeling*, http://www.arb.ca.gov/ei/speciate/dnldopt.htm#specprof (accessed 10/14/2010).

California Environmental Protection Agency (CalEPA) OEHHA and American Lung Association of California. *Health Effects of Diesel Exhaust*. April, 2002.

Office of Environmental Health and Hazards Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines.* August, 2003.

Office of Environmental Health and Hazards Assessment. *Air Toxics Hot Spots Program Risk Assessment Guidelines, Appendix D, Risk Assessment Procedures to Evaluate Particulate Emissions from Diesel-Fueled Vehicles, Section B.* August, 2003.

United States Environmental Protection Agency (EPA), 1999. *Integrated Urban Air Toxics Strategy.* July.

United States Environmental Protection Agency (EPA), 1991. *Risk Assessment for Toxic Air Pollutants: A Citizen's Guide,* EPA #450/3-90-024. March.

APPENDIX A

MODELING DATA AND SCREEN3 OUTPUT

LSA ASSOCIATES, INC.

CONSTRUCTION EXHAUST WORKSHEET

Earthwork	# of units	Duration	Hours per Day	ARB OffRoad EF Diesel Emission Factors (lbs/hr) PM10		Average Emission Rates (lbs/day) PM10
Front-End Loader	2	24 weeks	5	6.22E-02		0.31
Skip Loader	2	24 weeks	5	1.97E-02		0.10
Bobcat Loader	1	20 weeks	7	4.77E-02		0.33
Roller	1	24 weeks	6	6.11E-02		0.37
Backhoe	2	24 weeks	6	4.77E-02		0.29
Jumping Jack	1	10 weeks	4	9.14E-02		0.37
Generator Set	1	24 weeks	7	6.60E-02		0.46
	# of units		Miles per day	EMFAC2007: 2011 Factors Emission Factors (gms/mi)	Speed (mph)	
Mechanic Truck	1		10	0.04	25	0.00088
Fuel Truck	1		10	0.04	25	0.00088
Foreman Truck	1		10	0.04	25	0.00088
Water Truck	1		10	0.061	15	0.0013
				Gasoline Emission Factors (gms/mi)		
Worker Commute	40		50	0.02	50	0.088
					Total Earthwork	**2.3**

Construction	# of units	Duration	Hours per Day	ARB OffRoad EF Diesel Emission Factors (lbs/hr) PM10		Average Emission Rates (lbs/day) PM10
Skip Loader	2	88 weeks	6	1.97E-02		0.12
Backhoe	2	88 weeks	6	4.77E-02		0.29
Crane	1	44 weeks	5	3.58E-01		1.79
Forklift	2	88 weeks	6	3.53E-02		0.21
Manlift	1	44 weeks	5	6.05E-02		0.30
Generator Set	1	88 weeks	7	6.60E-02		0.46
	# of units		Miles per day	EMFAC2007: 2011 Factors Emission Factors (gms/mi)	Speed (mph)	
Mechanic Truck	1		10	0.04	25	0.00088
Fuel Truck	1		10	0.04	25	0.00088
Foreman Truck	1		10	0.04	25	0.00088
Delivery Trucks	10		30	0.035	30	0.023
				Gasoline Emission Factors (gms/mi)		
Worker Commute	40		50	0.02	50	0.088
					Total Construction	**3.3**

Painting & Paving	# of units	Duration	Hours per Day	ARB OffRoad EF Diesel Emission Factors (lbs/hr) PM10		Average Emission Rates (lbs/day) PM10
Skip Loader	2	20 weeks	7	1.97E-02		0.14
Paving Machine	1	10 weeks	7	8.18E-02		0.57
Roller	1	10 weeks	6	6.11E-02		0.37
Vibratory Plate	1	10 weeks	6	1.31E-03		0.01
Striping machines	1	2 weeks	6	6.41E-02		0.38
Generator Set	1	20 weeks	7	6.60E-02		0.46
	# of units		Miles per day	EMFAC2007: 2011 Factors Emission Factors (gms/mi)	Speed (mph)	
Mechanic Truck	1		10	0.04	25	0.00088
Fuel Truck	1		10	0.04	25	0.00088
Foreman Truck	1		10	0.04	25	0.00088
Delivery Trucks	10		30	0.035	30	0.023
				Gasoline Emission Factors (gms/mi)		
Worker Commute	40		50	0.02	50	0.088
					Total Painting & Paving	**2**
					SCAQMD Threshold	**150**

02/15/11
15:24:23

```
 ***  SCREEN3 MODEL RUN  ***
 *** VERSION DATED 96043 ***

Construction Equipment Exhaust

SIMPLE TERRAIN INPUTS:
   SOURCE TYPE               =       VOLUME
   EMISSION RATE (G/S)       =      1.00000
   SOURCE HEIGHT (M)         =       3.0000
   INIT. LATERAL DIMEN (M)   =       4.6500
   INIT. VERTICAL DIMEN (M)  =       4.6500
   RECEPTOR HEIGHT (M)       =      25.0000
   URBAN/RURAL OPTION        =        URBAN

THE REGULATORY (DEFAULT) MIXING HEIGHT OPTION WAS SELECTED.
THE REGULATORY (DEFAULT) ANEMOMETER HEIGHT OF 10.0 METERS WAS ENTERED.


BUOY. FLUX =     .000 M**4/S**3;  MOM. FLUX =     .000 M**4/S**2.

*** FULL METEOROLOGY ***

**********************************
*** SCREEN AUTOMATED DISTANCES ***
**********************************

*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

  DIST     CONC              U10M   USTK  MIX HT   PLUME   SIGMA   SIGMA
   (M)   (UG/M**3)   STAB  (M/S)  (M/S)    (M)   HT (M)   Y (M)   Z (M)  DWASH
-------  ----------  ----  -----  -----  ------  ------  ------  ------  -----
    20.   129.9        1     1.0    1.0   320.0    3.00   10.99    9.59    NO
   100.   343.4        4     1.0    1.0   320.0    3.00   20.16   18.31    NO
   200.   263.7        5     1.0    1.0 10000.0    3.00   25.48   17.68    NO
   300.   217.6        5     1.0    1.0 10000.0    3.00   35.35   23.25    NO
   400.   169.4        5     1.0    1.0 10000.0    3.00   44.88   28.34    NO
   500.   133.5        5     1.0    1.0 10000.0    3.00   54.11   33.06    NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND    20. M:
    63.   360.1        3     1.0    1.0   320.0    3.00   18.44   17.45    NO

 DWASH=   MEANS NO CALC MADE (CONC = 0.0)
 DWASH=NO MEANS NO BUILDING DOWNWASH USED
 DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
 DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
 DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

**********************************
*** SCREEN DISCRETE DISTANCES ***
**********************************

*** TERRAIN HEIGHT OF    0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

  DIST     CONC              U10M   USTK  MIX HT   PLUME   SIGMA   SIGMA
   (M)   (UG/M**3)   STAB  (M/S)  (M/S)    (M)   HT (M)   Y (M)   Z (M)  DWASH
-------  ----------  ----  -----  -----  ------  ------  ------  ------  -----
    25.   190.4        1     1.0    1.0   320.0    3.00   12.56   10.84    NO
    30.   241.7        1     1.0    1.0   320.0    3.00   14.14   12.09    NO
    35.   279.5        1     1.0    1.0   320.0    3.00   15.71   13.35    NO
    40.   303.8        1     1.0    1.0   320.0    3.00   17.28   14.62    NO
    45.   320.1        3     1.0    1.0   320.0    3.00   14.38   13.65    NO
    50.   340.9        3     1.0    1.0   320.0    3.00   15.45   14.65    NO
    60.   359.2        3     1.0    1.0   320.0    3.00   17.59   16.65    NO
    70.   356.1        3     1.0    1.0   320.0    3.00   19.71   18.65    NO
    80.   340.9        3     1.0    1.0   320.0    3.00   21.83   20.65    NO
    90.   346.0        4     1.0    1.0   320.0    3.00   18.64   16.96    NO

 DWASH=   MEANS NO CALC MADE (CONC = 0.0)
```

DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

****
*** SUMMARY OF SCREEN MODEL RESULTS ***
****

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	360.1	63.	0.

****
** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **
****

Screening Health Risk From Diesel Exhaust Particulate and $PM_{2.5}$ Worksheet

Construction Parameters

4	months duration
8	hrs/day
5	days/week
50	weeks/year
3.3	lbs/day
1,497	gm/day

Inhalation cancer risk = ((Cair * DBR * A * EF * ED * $1x10^{6}$) / AT) * Inhalation Cancer Potency factor

Health Risk Parameters

DBR	303	Daily breathing rate	(L/kg-day)
A	1	Inhalation absorption factor	
EF	83	Exposure frequency	(days/yr)
ED		Exposure duration	(years)
AT	25,550	Avg. time period of exposure	(days)
Diesel PM_{10}	1.1	Inhalation Cancer Potency factor	$(mg/kg\text{-}d)^{-1}$
Diesel PM_{10}	5.0	Inhalation Chronic REL	(ug/m^3)

CRAF 1.7

SCREEN3 Input parameters:

```
SIMPLE TERRAIN INPUTS:
   SOURCE TYPE               =       VOLUME
   EMISSION RATE (G/S)       =      1.00000
   SOURCE HEIGHT (M)         =       3.0000
   INIT. LATERAL DIMEN (M)   =       4.6500
   INIT. VERTICAL DIMEN (M)  =       4.6500
   RECEPTOR HEIGHT (M)       =      25.0000
   URBAN/RURAL OPTION        =       URBAN
```

1hr to Annual conversion	0.08	(from EPA)
1-hr to 24-hr conversion	0.4	(from EPA)
$PM_{2.5}$ fraction of PM_{10}	0.92	(from ARB)

Construction Health Risks

Dist (ft)	Unitized 1-Hr conc. ug/m^3	Scaled Concentrations 1-Hr ug/m^3	Scaled Concentrations Annual ug/m^3	70-Year Adult Inhalation Cancer Risk # in a million	70-Year Adult Inhalation Chronic Risk Factor	PM_{10} Concentrations (ug/m3) 24-Hr	$PM_{2.5}$ Concentrations (ug/m3) 24-Hr
20	129.9	6.8	0.12	0.076	0.025	2.7	2.5
25	190.4	9.9	0.18	0.11	0.036	4.0	3.6
30	241.7	12.6	0.23	0.14	0.046	5.0	4.6
35	279.5	14.5	0.27	0.16	0.053	5.8	5.3
40	303.8	15.8	0.29	0.18	0.058	6.3	5.8
45	320.1	16.6	0.30	0.19	0.061	6.7	6.1
50	340.9	17.7	0.32	0.2	0.065	7.1	6.5
60	359.2	18.7	0.34	0.21	0.068	7.5	6.9
70	356.1	18.5	0.34	0.21	0.068	7.4	6.8
80	340.9	17.7	0.32	0.2	0.065	7.1	6.5
90	346	18.0	0.33	0.2	0.066	7.2	6.6
100	343.4	17.8	0.33	0.2	0.065	7.1	6.6
200	263.7	13.7	0.25	0.15	0.05	5.5	5
300	217.6	11.3	0.21	0.13	0.041	4.5	4.2
400	169.4	8.8	0.16	0.099	0.032	3.5	3.2
500	133.5	6.9	0.13	0.078	0.025	2.8	2.6