

**Air Quality Appendix
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Prepared by: Michael Brandman Associates
December 2006

Use of URBEMIS2002 in Estimating Project Emissions

Michael Brandman Associates
December 2006

URBEMIS is a computer program that can be used to estimate emissions associated with land use development projects in California. URBEMIS, which stands for Urban Emissions Model, was originally created by the California Air Resources Board in the early 1980s. Since that time, it has undergone several revisions. This version (URBEMIS 2002 for Windows version 8.7.0), distributed in 2005 in coordination with the California Air Pollution Control Officers' Association (CAPCOA), is the most current version of the URBEMIS software available at this time.

URBEMIS2002 was used for this analysis to estimate short-term construction impacts and long-term area source and operational emissions. The following provides details regarding some of the changes to the URBEMIS2002 defaults.

Short-Term Emissions

Demolition. There are several existing buildings onsite that will require demolition. It was assumed that approximately 370 cubic feet of material would be hauled off, with a peak day demolition of approximately 75 cubic feet of material.

Grading. To facilitate the relocation of Wildwood Creek, soil will be removed from the north faces of the Oak Hills and will be used to fill in the existing creek bed. According to the Earthwork Exhibit of Civil Engineer Lawrence Mitchell Gates, approximately 638,292 cubic yards (cy) of earth will be cut and 572,909 cy of earth will be filled. To estimate fugitive dust during grading, 638,292 cy was divided by the estimated number of days that grading will occur (44 days), which equals approximately 14,500 cy of earthwork per day. This figure was used in the "low" level of detail to estimate fugitive dust emissions.

Soil Export. More earth will be cut than will be needed to fill; therefore, it is assumed that approximately 65390 cy will be exported (638,292 cy minus 572,909 cy). This figure was used in URBEMIS to estimate the emissions for the trucks that will export the soil offsite.

Architectural Coatings. The emission factor for architectural coatings was changed from 0.0185 to 0.0116 pounds per square foot pursuant to SCAQMD guidance, *VOC Emissions from Architectural Coatings at Non-Residential and Residential Projects* dated August 2005.

Conversion of PM10 to PM2.5. PM2.5 emissions are 21% of the PM10 fugitive dust emissions and 89% of the exhaust emissions.

Long-Term Emissions

Trip generation rates. The trip generation rates for the project were changed to reflect the trip generation rates presented in the project specific traffic study. Note that several land uses do not have daily trip generation rates in the traffic study. These include the pet store, office supply store, and movie theater. The traffic study indicates that the trips for these uses will be accounted for in the general shopping category. The traffic study also uses a pass-by reduction. This pass-by reduction is not taken in the air quality analysis to further account for the pet store, office supply store, and movie theater, which provides a worst-case scenario while at the same time being consistent with the traffic study.

Architectural Coatings. The emission factor for architectural coatings was changed from 0.0185 to 0.0116 pounds per square feet pursuant to SCAQMD guidance, *VOC Emissions from Architectural Coatings at Non-Residential and Residential Projects* dated August 2005.

Conversion of PM10 to PM2.5. URBEMIS2002 outputs PM10 emissions only. PM2.5 is 99% of the PM10 exhaust emissions and PM2.5 is 16.9% of the paved road dust PM10 emissions. Two operational URBEMIS2002 files, one without road dust and one with road dust, were run in order to obtain the PM10 exhaust emissions.

URBEMIS 2002 For Windows 8.7.0

File Name: S:\Cori\Projects\1890 0005 Oak Hills AQ\URBEMIS\Construction.urb
 Project Name: Oak Hills - Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Pounds/Day - Summer)

CONSTRUCTION EMISSION ESTIMATES

*** 2007 ***	ROG	NOx	CO	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
TOTALS (lbs/day, unmitigated)	383.86	436.60	520.63	0.08	1,730.87	17.48	1,713.39
TOTALS (lbs/day, mitigated)	186.98	341.44	495.58	0.08	565.06	16.64	548.41

URBEMIS 2002 For Windows 8.7.0

File Name: S:\Cori\Projects\1890 0005 Oak Hills AQ\URBEMIS\Construction.urb
 Project Name: Oak Hills - Construction
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Summer)

Construction Start Month and Year: January, 2007
 Construction Duration: 8.5
 Total Land Use Area to be Developed: 80 acres
 Maximum Acreage Disturbed Per Day: 20 acres
 Single Family Units: 0 Multi-Family Units: 0
 Retail/Office/Institutional/Industrial Square Footage: 613000

CONSTRUCTION EMISSION ESTIMATES UNMITIGATED (lbs/day)

Source *** 2007***	ROG	NOx	CO	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.03	-	0.03
Off-Road Diesel	9.79	74.70	72.45	-	3.33	3.33	0.00
On-Road Diesel	0.00	0.11	0.02	0.00	0.00	0.00	0.00
Worker Trips	0.05	0.14	1.38	0.00	0.01	0.00	0.01
Maximum lbs/day	9.84	74.95	73.85	0.00	3.37	3.33	0.04
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	1,713.20	-	1,713.20
Off-Road Diesel	60.30	396.52	496.81	-	16.71	16.71	0.00
On-Road Diesel	1.78	39.26	6.62	0.07	0.91	0.75	0.16
Worker Trips	0.43	0.82	9.03	0.01	0.05	0.02	0.03
Maximum lbs/day	62.51	436.60	512.46	0.08	1,730.87	17.48	1,713.39
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	58.52	352.89	494.06	-	11.61	11.61	0.00
Bldg Const Worker Trips	1.16	0.67	14.08	0.00	0.22	0.01	0.21
Arch Coatings Off-Gas	323.22	-	-	-	-	-	-
Arch Coatings Worker Trips	1.07	0.51	13.28	0.00	0.22	0.01	0.21
Asphalt Off-Gas	2.38	-	-	-	-	-	-
Asphalt Off-Road Diesel	36.85	232.88	307.23	-	8.83	8.83	0.00
Asphalt On-Road Diesel	0.50	7.79	1.84	0.02	0.22	0.21	0.01
Asphalt Worker Trips	0.11	0.06	1.42	0.00	0.02	0.00	0.02
Maximum lbs/day	383.86	353.91	520.63	0.02	12.06	11.64	0.42
Max lbs/day all phases	383.86	436.60	520.63	0.08	1,730.87	17.48	1,713.39

Phase 1 - Demolition Assumptions
 Start Month/Year for Phase 1: Jan '07
 Phase 1 Duration: .5 months
 Building Volume Total (cubic feet): 370
 Building Volume Daily (cubic feet): 74.925
 On-Road Truck Travel (VMT): 3
 Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Other Equipment	190	0.620	6.0
3	Rubber Tired Dozers	352	0.590	6.0

Phase 2 - Site Grading Assumptions

Start Month/Year for Phase 2: Jan '07

Phase 2 Duration: 2 months

On-Road Truck Travel (VMT): 1500

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	6.0
4	Other Equipment	190	0.620	8.0
2	Rubber Tired Dozers	352	0.590	6.0
1	Rubber Tired Loaders	165	0.465	6.0
12	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	79	0.465	6.0

Phase 3 - Building Construction Assumptions

Start Month/Year for Phase 3: Mar '07

Phase 3 Duration: 6 months

Start Month/Year for SubPhase Building: Mar '07

SubPhase Building Duration: 5 months

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Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Cranes	190	0.430	6.0
1	Other Equipment	190	0.620	6.0
85	Rough Terrain Forklifts	94	0.475	6.0
1	Rubber Tired Loaders	165	0.465	8.0
3	Tractor/Loaders/Backhoes	79	0.465	6.0
1	Trenchers	82	0.695	6.0

Start Month/Year for SubPhase Architectural Coatings: Jun '07

SubPhase Architectural Coatings Duration: 2 months

Start Month/Year for SubPhase Asphalt: Aug '07

SubPhase Asphalt Duration: 1 months

Acres to be Paved: 20

Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
7	Off Highway Trucks	417	0.490	8.0
2	Other Equipment	190	0.620	8.0
2	Pavers	132	0.590	8.0
4	Rollers	114	0.430	8.0
2	Tractor/Loaders/Backhoes	79	0.465	8.0

CONSTRUCTION EMISSION ESTIMATES MITIGATED (lbs/day)

Source *** 2007***	ROG	NOx	CO	S02	PM10 TOTAL	PM10 EXHAUST	PM10 DUST
Phase 1 - Demolition Emissions							
Fugitive Dust	-	-	-	-	0.03	-	0.03
Off-Road Diesel	9.79	74.70	72.45	-	3.33	3.33	0.00
On-Road Diesel	0.00	0.11	0.02	0.00	0.00	0.00	0.00
Worker Trips	0.05	0.14	1.38	0.00	0.01	0.00	0.01
Maximum lbs/day	9.84	74.95	73.85	0.00	3.37	3.33	0.04
Phase 2 - Site Grading Emissions							
Fugitive Dust	-	-	-	-	548.22	-	548.22
Off-Road Diesel	57.28	301.36	471.97	-	15.87	15.87	0.00
On-Road Diesel	1.78	39.26	6.62	0.07	0.91	0.75	0.16
Worker Trips	0.43	0.82	9.03	0.01	0.05	0.02	0.03
Maximum lbs/day	59.50	341.44	487.62	0.08	565.06	16.64	548.41
Phase 3 - Building Construction							
Bldg Const Off-Road Diesel	55.59	268.20	469.36	-	11.03	11.03	0.00
Bldg Const Worker Trips	1.15	0.66	13.90	0.00	0.22	0.01	0.21
Arch Coatings Off-Gas	129.29	-	-	-	-	-	-
Arch Coatings Worker Trips	1.06	0.50	13.11	0.00	0.22	0.01	0.21
Asphalt Off-Gas	2.38	-	-	-	-	-	-
Asphalt Off-Road Diesel	35.01	221.24	291.87	-	8.39	8.39	0.00
Asphalt On-Road Diesel	0.50	7.79	1.84	0.02	0.22	0.21	0.01
Asphalt Worker Trips	0.11	0.06	1.40	0.00	0.02	0.00	0.02
Maximum lbs/day	186.98	269.21	495.58	0.02	11.47	11.05	0.42
Max lbs/day all phases	186.98	341.44	495.58	0.08	565.06	16.64	548.41

Construction-Related Mitigation Measures

- Phase 2: Off-Road Diesel Exhaust: Use lean-NOx catalyst
Percent Reduction(ROG 0.0% NOx 20.0% CO 0.0% S02 0.0% PM10 0.0%)
- Phase 2: Soil Disturbance: Rule 403 Compliance
Percent Reduction(ROG 0.0% NOx 0.0% CO 0.0% S02 0.0% PM10 68.0%)
- Phase 2: Off-Road Diesel Exhaust: Tune and idle engines and reduce idle time
Percent Reduction(ROG 5.0% NOx 5.0% CO 5.0% S02 5.0% PM10 5.0%)
- Phase 3: Off-Road Diesel Exhaust: Use lean-NOx catalyst
Percent Reduction(ROG 0.0% NOx 20.0% CO 0.0% S02 0.0% PM10 0.0%)
- Phase 3: Worker Trips: Use shuttle to retail establishments @lunch
Percent Reduction(ROG 1.0% NOx 1.3% CO 1.3% S02 1.3% PM10 1.3%)

Phase 3: Worker Trips: Use shuttle to retail establishments @lunch
 Percent Reduction(ROG 1.0% NOx 1.3% CO 1.3% SO2 1.3% PM10 1.3%)
 Phase 3: Worker Trips: Use shuttle to retail establishments @lunch
 Percent Reduction(ROG 1.0% NOx 1.3% CO 1.3% SO2 1.3% PM10 1.3%)
 Phase 3: Off-Road Diesel Exhaust: Time and tune engines and reduce idle time
 Percent Reduction(ROG 5.0% NOx 5.0% CO 5.0% SO2 5.0% PM10 5.0%)
 Phase 3: Offgassing: Low VOC paints and spray equipment
 Percent Reduction(ROG 60.0% NOx 0.0% CO 0.0% SO2 0.0% PM10 0.0%)
 Phase 3: Off-Road Diesel Exhaust: Time and tune engines and reduce idle time
 Percent Reduction(ROG 5.0% NOx 5.0% CO 5.0% SO2 5.0% PM10 5.0%)
 Phase 1 - Demolition Assumptions

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Start Month/Year for Phase 1: Jan '07
 Phase 1 Duration: .5 months
 Building Volume Total (cubic feet): 370
 Building Volume Daily (cubic feet): 74.925
 On-Road Truck Travel (VMT): 3
 Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Other Equipment	190	0.620	6.0
3	Rubber Tired Dozers	352	0.590	6.0

Phase 2 - Site Grading Assumptions
 Start Month/Year for Phase 2: Jan '07
 Phase 2 Duration: 2 months
 On-Road Truck Travel (VMT): 1500
 Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
1	Graders	174	0.575	6.0
4	Other Equipment	190	0.620	8.0
2	Rubber Tired Dozers	352	0.590	6.0
1	Rubber Tired Loaders	165	0.465	6.0
12	Scrapers	313	0.660	8.0
1	Tractor/Loaders/Backhoes	79	0.465	6.0

Phase 3 - Building Construction Assumptions
 Start Month/Year for Phase 3: Mar '07
 Phase 3 Duration: 6 months
 Start Month/Year for SubPhase Building: Mar '07
 SubPhase Building Duration: 5 months
 Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
3	Cranes	190	0.430	6.0
1	Other Equipment	190	0.620	6.0
85	Rough Terrain Forklifts	94	0.475	6.0
1	Rubber Tired Loaders	165	0.465	8.0
3	Tractor/Loaders/Backhoes	79	0.465	6.0
1	Trenchers	82	0.695	6.0

Start Month/Year for SubPhase Architectural Coatings: Jun '07
 SubPhase Architectural Coatings Duration: 2 months
 Start Month/Year for SubPhase Asphalt: Aug '07
 SubPhase Asphalt Duration: 1 months
 Acres to be Paved: 20
 Off-Road Equipment

No.	Type	Horsepower	Load Factor	Hours/Day
7	Off Highway Trucks	417	0.490	8.0
2	Other Equipment	190	0.620	8.0
2	Pavers	132	0.590	8.0
4	Rollers	114	0.430	8.0
2	Tractor/Loaders/Backhoes	79	0.465	8.0

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Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Construction

The user has overridden the Default Phase Lengths
 Site Grading Fugitive Dust Option changed from Level 1 to Level 2
 Architectural Coatings: # ROG/ft2 (non-res) changed from 0.0185 to 0.0116
 Phase 2 mitigation measure Off-Road Diesel Exhaust: Use lean-NOx catalyst
 has been changed from off to on.
 Phase 2 mitigation measure Soil Disturbance: Rule 403 Compliance
 has been changed from off to on.
 Phase 2 mitigation measure Off-Road Diesel Exhaust: Time and tune engines and reduce idle time
 has been changed from off to on.
 Phase 3 mitigation measure Off-Road Diesel Exhaust: Use lean-NOx catalyst
 has been changed from off to on.

Phase 3 mitigation measure Worker Trips: Use shuttle to retail establishments @lunch
has been changed from off to on.
Phase 3 mitigation measure Worker Trips: Use shuttle to retail establishments @lunch
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Phase 3 mitigation measure Worker Trips: Use shuttle to retail establishments @lunch
has been changed from off to on.
Phase 3 mitigation measure Off-Road Diesel Exhaust: Time and tune engines and reduce idle time
has been changed from off to on.
Phase 3 mitigation measure Offgassing: Low VOC paints and spray equipment
has been changed from off to on.
Phase 3 mitigation measure Off-Road Diesel Exhaust: Time and tune engines and reduce idle time
has been changed from off to on.

URBEMIS 2002 For Windows 8.7.0

File Name: S:\Cori\Projects\1890 0005 Oak Hills AQ\URBEMIS\Operational.urb
 Project Name: Oak Hills Operational
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	5.84	5.12	9.80	0.00	0.02
OPERATIONAL (VEHICLE) EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	235.13	284.01	3,165.01	2.11	301.59
SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES					
TOTALS (lbs/day, unmitigated)	ROG	NOx	CO	S02	PM10
	240.97	289.13	3,174.81	2.11	301.61

URBEMIS 2002 For Windows 8.7.0

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 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	5.01	5.09	4.28	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	256.60	411.02	3,011.50	1.71	301.59
SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES					
TOTALS (lbs/day, unmitigated)	ROG	NOx	CO	S02	PM10
	261.61	416.11	3,015.77	1.71	301.60

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 Project Name: Oak Hills Operational
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES (Winter Pounds per Day, Unmitigated)	ROG	NOx	CO	S02	PM10
Source					
Natural Gas	0.37	5.09	4.28	0	0.01
Hearth	0.00	0.00	0.00	0.00	0.00
Landscaping - No winter emissions					
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	4.64	-	-	-	-
TOTALS(lbs/day, unmitigated)	5.01	5.09	4.28	0.00	0.01

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Restaurants	24.59	39.46	288.90	0.16	29.00
Fast food rest. w/ drive	58.79	94.38	691.02	0.39	69.37
Target	66.15	105.84	775.76	0.44	77.60
Costco	48.58	77.72	569.66	0.32	56.98
Arts and Crafts	9.26	14.83	108.66	0.06	10.87
Apparel	13.98	22.38	164.01	0.09	16.41
General Shopping	26.31	42.09	308.51	0.18	30.86
Bank	8.94	14.32	104.97	0.06	10.50
TOTAL EMISSIONS (lbs/day)	256.60	411.02	3,011.50	1.71	301.59

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 50 Season: Winter

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acres	Trip Rate	No. Units	Total Trips
Restaurants	127.15	trips/1000 sq. ft.	26.10	3,318.62
Fast food rest. w/ drive	496.12	trips/1000 sq. ft.	16.00	7,937.92
Target	49.21	trips/1000 sq. ft.	185.08	9,107.79
Costco	41.80	trips/1000 sq. ft.	160.00	6,688.00
Arts and Crafts	56.55	trips/1000 sq. ft.	22.56	1,275.77
Apparel	66.40	trips/1000 sq. ft.	29.00	1,925.60
General Shopping	42.94	trips/1000 sq. ft.	84.35	3,621.99
Bank	246.49	trips/1000 sq. ft.	5.00	1,232.45
			Sum of Total Trips	35,108.13
			Total Vehicle Miles Traveled	198,086.03

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00		1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00		2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20		1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20		1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10		0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40		0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00		0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90		0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00		0.00	0.00	100.00
Urban Bus	0.20		0.00	50.00	50.00
Motorcycle	1.70		76.50	23.50	0.00
School Bus	0.10		0.00	0.00	100.00
Motor Home	1.20		8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	20.0	37.0	43.0			

% of Trips - Commercial (by land use)

Restaurants	5.0	2.5	92.5
Fast food rest. w/ drive thru	5.0	2.5	92.5
Target	2.0	1.0	97.0
Costco	2.0	1.0	97.0
Arts and Crafts	2.0	1.0	97.0
Apparel	2.0	1.0	97.0
General Shopping	2.0	1.0	97.0
Bank	2.0	1.0	97.0

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 Project Name: Oak Hills Operational
 Project Location: South Coast Air Basin (Los Angeles area)
 On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Summer)

AREA SOURCE	EMISSION ESTIMATES (Summer Pounds per Day, Unmitigated)				
	ROG	NOx	CO	SO2	PM10
Natural Gas	0.37	5.09	4.28	0	0.01
Hearth - No summer emissions					
Landscaping	0.83	0.03	5.53	0.00	0.01
Consumer Prdcts	0.00	-	-	-	-
Architectural Coatings	4.64	-	-	-	-
TOTALS(lbs/day, unmitigated)	5.84	5.12	9.80	0.00	0.02

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	SO2	PM10
Restaurants	22.16	27.26	304.53	0.20	29.00
Fast food rest. w/ drive	52.27	65.20	728.42	0.48	69.37
Target	61.36	73.15	814.13	0.54	77.60
Costco	45.44	53.71	597.83	0.40	56.98
Arts and Crafts	8.54	10.25	114.04	0.08	10.87
Apparel	12.81	15.47	172.13	0.11	16.41
General Shopping	24.57	29.09	323.76	0.22	30.86
Bank	7.98	9.90	110.17	0.07	10.50
TOTAL EMISSIONS (lbs/day)	235.13	284.01	3,165.01	2.11	301.59

Does not include correction for passby trips.
 Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 90 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreeage	Trip Rate	No. Units	Total Trips
Restaurants	127.15	trips/1000 sq. ft.	26.10	3,318.62
Fast food rest. w/ drive	496.12	trips/1000 sq. ft.	16.00	7,937.92
Target	49.21	trips/1000 sq. ft.	185.08	9,107.79
Costco	41.80	trips/1000 sq. ft.	160.00	6,688.00
Arts and Crafts	56.55	trips/1000 sq. ft.	22.56	1,275.77
Apparel	66.40	trips/1000 sq. ft.	29.00	1,925.60
General Shopping	42.94	trips/1000 sq. ft.	84.35	3,621.99
Bank	246.49	trips/1000 sq. ft.	5.00	1,232.45
Sum of Total Trips			35,108.13	
Total Vehicle Miles Traveled			198,086.03	

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00	1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00	2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20	1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20	1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10	0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40	0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00	0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90	0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00	0.00	0.00	100.00
Urban Bus	0.20	0.00	50.00	50.00
Motorcycle	1.70	76.50	23.50	0.00
School Bus	0.10	0.00	0.00	100.00
Motor Home	1.20	8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	20.0	37.0	43.0			
% of Trips - Commercial (by land use)						
Restaurants				5.0	2.5	92.5
Fast food rest. w/ drive thru				5.0	2.5	92.5
Target				2.0	1.0	97.0
Costco				2.0	1.0	97.0
Arts and Crafts				2.0	1.0	97.0
Apparel				2.0	1.0	97.0
General Shopping				2.0	1.0	97.0
Bank				2.0	1.0	97.0

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Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The landscape year changed from 2005 to 2008.
The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0116.

Changes made to the default values for Operations

The operational emission year changed from 2005 to 2008.
The home based work selection item changed from 8 to 7.
The home based shopping trip speed changed from 40 to 35.
The home based shopping selection item changed from 9 to 7.
The home based other trip speed changed from 40 to 35.
The home based other selection item changed from 9 to 7.
The commercial based commute trip speed changed from 40 to 35.
The commercial based commute selection item changed from 9 to 7.
The commercial based non-work trip speed changed from 40 to 35.
The commercial based non-work selection item changed from 9 to 7.
The commercial based customer trip speed changed from 40 to 35.
The commercial based customer selection item changed from 9 to 7.

URBEMIS 2002 For Windows 8.7.0

File Name: S:\Cori\Projects\1890 0005 Oak Hills AQ\URBEMIS\Operational No Road
Dust.urb
Project Name: Oak Hills Operational - No Road Dust
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Pounds/Day - Summer)

AREA SOURCE EMISSION ESTIMATES	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	5.84	5.12	9.80	0.00	0.02
OPERATIONAL (VEHICLE) EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	235.13	284.01	3,165.01	2.11	17.63
SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	240.97	289.13	3,174.81	2.11	17.65

URBEMIS 2002 For Windows 8.7.0

File Name: S:\Cori\Projects\1890 0005 Oak Hills AQ\URBEMIS\Operational No Road
Dust.urb
Project Name: Oak Hills Operational - No Road Dust
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

SUMMARY REPORT
(Pounds/Day - Winter)

AREA SOURCE EMISSION ESTIMATES	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	5.01	5.09	4.28	0.00	0.01
OPERATIONAL (VEHICLE) EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	256.60	411.02	3,011.50	1.71	17.63
SUM OF AREA AND OPERATIONAL EMISSION ESTIMATES					
	ROG	NOx	CO	S02	PM10
TOTALS (lbs/day, unmitigated)	261.61	416.11	3,015.77	1.71	17.64

URBEMIS 2002 For Windows 8.7.0

File Name: S:\Cori\Projects\1890 0005 Oak Hills AQ\URBEMIS\Operational No Road
Dust.urb
Project Name: Oak Hills Operational - No Road Dust
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Winter)

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	S02	PM10
Restaurants	24.59	39.46	288.90	0.16	1.70
Fast food rest. w/ drive	58.79	94.38	691.02	0.39	4.05
Target	66.15	105.84	775.76	0.44	4.54
Costco	48.58	77.72	569.66	0.32	3.33
Arts and Crafts	9.26	14.83	108.66	0.06	0.64

Apparel	13.98	22.38	164.01	0.09	0.96
General Shopping Bank	26.31	42.09	308.51	0.18	1.80
	8.94	14.32	104.97	0.06	0.61
TOTAL EMISSIONS (lbs/day)	256.60	411.02	3,011.50	1.71	17.63

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 50 Season: Winter

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreeage	Trip Rate	No. Units	Total Trips
Restaurants		127.15 trips/1000 sq. ft.	26.10	3,318.62
Fast food rest. w/ drive		496.12 trips/1000 sq. ft.	16.00	7,937.92
Target		49.21 trips/1000 sq. ft.	185.08	9,107.79
Costco		41.80 trips/1000 sq. ft.	160.00	6,688.00
Arts and Crafts		56.55 trips/1000 sq. ft.	22.56	1,275.77
Apparel		66.40 trips/1000 sq. ft.	29.00	1,925.60
General Shopping Bank		42.94 trips/1000 sq. ft.	84.35	3,621.99
		246.49 trips/1000 sq. ft.	5.00	1,232.45
Sum of Total Trips			35,108.13	
Total Vehicle Miles Traveled			198,086.03	

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00		1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00		2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20		1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20		1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10		0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40		0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00		0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90		0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00		0.00	0.00	100.00
Urban Bus	0.20		0.00	50.00	50.00
Motorcycle	1.70		76.50	23.50	0.00
School Bus	0.10		0.00	0.00	100.00
Motor Home	1.20		8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	20.0	37.0	43.0			

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% of Trips - Commercial (by land use)

Restaurants	5.0	2.5	92.5
Fast food rest. w/ drive thru	5.0	2.5	92.5
Target	2.0	1.0	97.0
Costco	2.0	1.0	97.0
Arts and Crafts	2.0	1.0	97.0
Apparel	2.0	1.0	97.0
General Shopping Bank	2.0	1.0	97.0

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URBEMIS 2002 For Windows 8.7.0

File Name: S:\Cori\Projects\1890 0005 Oak Hills AQ\URBEMIS\Operational No Road
Dust.urb
Project Name: Oak Hills Operational - No Road Dust
Project Location: South Coast Air Basin (Los Angeles area)
On-Road Motor Vehicle Emissions Based on EMFAC2002 version 2.2

DETAIL REPORT
(Pounds/Day - Summer)

UNMITIGATED OPERATIONAL EMISSIONS

	ROG	NOx	CO	S02	PM10
Restaurants	22.16	27.26	304.53	0.20	1.70
Fast food rest. w/ drive	52.27	65.20	728.42	0.48	4.05
Target	61.36	73.15	814.13	0.54	4.54
Costco	45.44	53.71	597.83	0.40	3.33
Arts and Crafts	8.54	10.25	114.04	0.08	0.64
Apparel	12.81	15.47	172.13	0.11	0.96
General Shopping	24.57	29.09	323.76	0.22	1.80
Bank	7.98	9.90	110.17	0.07	0.61
TOTAL EMISSIONS (lbs/day)	235.13	284.01	3,165.01	2.11	17.63

Does not include correction for passby trips.
Does not include double counting adjustment for internal trips.

OPERATIONAL (Vehicle) EMISSION ESTIMATES

Analysis Year: 2008 Temperature (F): 90 Season: Summer

EMFAC Version: EMFAC2002 (9/2002)

Summary of Land Uses:

Unit Type	Acreeage	Trip Rate	No. Units	Total Trips
Restaurants		127.15 trips/1000 sq. ft.	26.10	3,318.62
Fast food rest. w/ drive		496.12 trips/1000 sq. ft.	16.00	7,937.92
Target		49.21 trips/1000 sq. ft.	185.08	9,107.79
Costco		41.80 trips/1000 sq. ft.	160.00	6,688.00
Arts and Crafts		56.55 trips/1000 sq. ft.	22.56	1,275.77
Apparel		66.40 trips/1000 sq. ft.	29.00	1,925.60
General Shopping		42.94 trips/1000 sq. ft.	84.35	3,621.99
Bank		246.49 trips/1000 sq. ft.	5.00	1,232.45
Sum of Total Trips				35,108.13
Total Vehicle Miles Traveled				198,086.03

Vehicle Assumptions:

Fleet Mix:

Vehicle Type	Percent	Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.00		1.60	98.00	0.40
Light Truck < 3,750 lbs	15.00		2.70	95.30	2.00
Light Truck 3,751- 5,750	16.20		1.20	97.50	1.30
Med Truck 5,751- 8,500	7.20		1.40	95.80	2.80
Lite-Heavy 8,501-10,000	1.10		0.00	81.80	18.20
Lite-Heavy 10,001-14,000	0.40		0.00	50.00	50.00
Med-Heavy 14,001-33,000	1.00		0.00	20.00	80.00
Heavy-Heavy 33,001-60,000	0.90		0.00	11.10	88.90
Line Haul > 60,000 lbs	0.00		0.00	0.00	100.00
Urban Bus	0.20		0.00	50.00	50.00
Motorcycle	1.70		76.50	23.50	0.00
School Bus	0.10		0.00	0.00	100.00
Motor Home	1.20		8.30	83.30	8.40

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Rural Trip Length (miles)	11.5	4.9	6.0	10.3	5.5	5.5
Trip Speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	20.0	37.0	43.0			

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% of Trips - Commercial (by land use)

Restaurants	5.0	2.5	92.5
Fast food rest. w/ drive thru	5.0	2.5	92.5
Target	2.0	1.0	97.0
Costco	2.0	1.0	97.0
Arts and Crafts	2.0	1.0	97.0
Apparel	2.0	1.0	97.0
General Shopping	2.0	1.0	97.0
Bank	2.0	1.0	97.0

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Changes made to the default values for Land Use Trip Percentages

Changes made to the default values for Area

The landscape year changed from 2005 to 2008.

The nonresidential Arch. Coatings ROG emission factor changed from 0.0185 to 0.0116.

Changes made to the default values for Operations

The road dust option switch changed from on to off.

The operational emission year changed from 2005 to 2008.

The home based work selection item changed from 8 to 7.

The home based shopping trip speed changed from 40 to 35.

The home based shopping selection item changed from 9 to 7.

The home based other trip speed changed from 40 to 35.

The home based other selection item changed from 9 to 7.

The commercial based commute trip speed changed from 40 to 35.

The commercial based commute selection item changed from 9 to 7.

The commercial based non-work trip speed changed from 40 to 35.

The commercial based non-work selection item changed from 9 to 7.

The commercial based customer trip speed changed from 40 to 35.

The commercial based customer selection item changed from 9 to 7.

Construction Emissions (pounds per day)

Conversion from PM10 to PM2.5

Emissions from URBEMIS2002 Output

Percent of Fugitive PM10 which is PM2.5	21%
Percent of Exhaust PM10 which is PM2.5	89%

Phase/Activity	Unmitigated		Mitigated	
	PM10	PM2.5	PM10	PM2.5
<i>Demolition</i>				
Fugitive Dust	0.03	0.01	0.03	0.01
Off-road Diesel	3.33	2.96	3.33	2.96
On-road Diesel	0.00	0.00	0.00	0.00
Worker Trips	0.01	0.01	0.01	0.01
Subtotal Demolition	3.37	2.98	3.37	2.98
<i>Grading</i>				
Fugitive Dust	1713.20	359.77	548.22	115.13
Off-road Diesel	16.71	14.87	15.87	14.12
On-road Diesel	0.91	0.81	0.91	0.81
Worker Trips	0.05	0.04	0.05	0.04
Subtotal Grading	1730.87	375.50	565.05	130.10
<i>Building Construction</i>				
Bldg Const Off-Road Diesel	11.61	10.33	11.03	9.82
Bldg Const Worker Trips	0.22	0.20	0.22	0.20
Arch Coatings Off-Gas	0.00	0.00	0.00	0.00
Arch Coatings Worker Trips	0.22	0.20	0.22	0.20
Asphalt Off-Gas	0.00	0.00	0.00	0.00
Asphalt Off-Road Diesel	8.83	7.86	8.39	7.47
Asphalt On-Road Diesel	0.22	0.20	0.22	0.20
Asphalt Worker Trips	0.02	0.02	0.02	0.02
Subtotal Building Construction	21.12	18.80	20.10	17.89

Carbon Dioxide Calculation
 Prepared by Michael Brandman Associates
 Based on URBEMIS2002 Assumptions and Emission Factors
 Year: 2008
 Page 1

Vehicle Miles Traveled 198,086

Vehicle Percentages

Vehicle Type	Percent	Non-Catalyst	Catalyst	Diesel
Light Auto	55.0%	1.6%	98.0%	0.4%
Light Truck < 3,750 lbs	15.0%	2.7%	95.3%	2.0%
Light Truck 3,751- 5,750	16.2%	1.2%	97.5%	1.3%
Med Truck 5,751- 8,500	7.2%	1.4%	95.8%	2.8%
Lite-Heavy 8,501-10,000	1.1%	0.0%	81.8%	18.2%
Lite-Heavy 10,001-14,000	0.4%	0.0%	50.0%	50.0%
Med-Heavy 14,001-33,000	1.0%	0.0%	20.0%	80.0%
Heavy-Heavy 33,001-60,000	0.9%	0.0%	11.1%	88.9%
Line Haul > 60,000 lbs	0.0%	0.0%	0.0%	100.0%
Urban Bus	0.2%	0.0%	50.0%	50.0%
Motorcycle	1.7%	76.5%	23.5%	0.0%
School Bus	0.1%	0.0%	0.0%	100.0%
Motor Home	1.2%	8.3%	83.3%	8.4%

Emission Factors

Vehicle Type	EMFAC type	Non-Catalyst	Catalyst	Diesel
Light Auto	LDA	427.43	313.63	363.94
Light Truck < 3,750 lbs	LDT1	428.70	385.31	347.57
Light Truck 3,751- 5,750	LDT2	428.89	385.74	347.97
Med Truck 5,751- 8,500	MDV	493.70	531.05	346.80
Lite-Heavy 8,501-10,000	LHDT1	497.42	497.42	520.78
Lite-Heavy 10,001-14,000	LHDT2	497.42	497.42	532.45
Med-Heavy 14,001-33,000	MHDT	497.42	497.42	1505.00
Heavy-Heavy 33,001-60,000	HHDT	497.42	497.42	2167.79
Line Haul > 60,000 lbs	LHV	0.00	0.00	0.00
Urban Bus	UB	497.42	497.42	2740.58
Motorcycle	MCY	111.04	131.95	0.00
School Bus	SBUS	497.42	497.42	1505.00
Motor Home	MH	497.42	497.42	1505.00

Emissions

Vehicle Type	Non-Catalyst	Catalyst	Diesel
Light Auto	1639.17	73669.25	348.93
Light Truck < 3,750 lbs	756.62	24003.32	454.41
Light Truck 3,751- 5,750	363.35	26551.56	319.35
Med Truck 5,751- 8,500	216.87	15962.92	304.68
Lite-Heavy 8,501-10,000	0.00	1950.50	454.35
Lite-Heavy 10,001-14,000	0.00	433.54	464.07
Med-Heavy 14,001-33,000	0.00	433.54	5246.89
Heavy-Heavy 33,001-60,000	0.00	216.55	7558.52
Line Haul > 60,000 lbs	0.00	0.00	0.00
Urban Bus	0.00	216.77	1194.31
Motorcycle	629.31	229.72	0.00
School Bus	0.00	0.00	655.86
Motor Home	215.90	2166.84	661.11
Total	3821.22	145834.52	17662.49

Carbon Dioxide Calculation
 Prepared by Michael Brandman Associates
 Based on URBEMIS2002 Assumptions and Emission Factors
 Year: 2008
 Page 2

Pollutant	CO2																		Total	
	Trips																			
Trips	35,108.06																			
Minutes since engine shut-off	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720		
Home-work	0.7%	1.0%	1.4%	2.2%	2.6%	2.8%	2.2%	2.6%	6.2%	8.9%	8.6%	8.6%	8.7%	8.7%	8.7%	8.7%	8.7%	8.7%	8.7%	1
Home-shop	3.3%	9.5%	14.4%	18.3%	12.2%	7.5%	4.2%	3.6%	3.7%	2.1%	2.6%	2.6%	2.6%	2.6%	2.7%	2.7%	2.7%	2.7%	2.7%	1
Home-other	6.1%	7.6%	7.8%	7.2%	7.0%	7.9%	6.2%	6.6%	7.2%	4.9%	4.0%	4.0%	4.0%	3.9%	3.9%	3.9%	3.9%	3.9%	3.9%	1
Commercial Commute	2.6%	5.0%	3.7%	4.2%	4.7%	3.7%	3.0%	3.3%	8.5%	10.8%	6.3%	6.3%	6.3%	6.3%	6.3%	6.3%	6.3%	6.3%	6.4%	1
Commercial Non-Commute	5.8%	11.3%	7.3%	7.4%	7.7%	5.5%	4.4%	4.4%	12.1%	13.9%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.7%	1
Commercial Customer	9.3%	14.7%	13.2%	14.0%	6.7%	7.1%	5.1%	4.5%	8.8%	6.4%	1.2%	1.2%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1
Trips																				
Home-work	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Home-shop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Home-other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Commute	27	52	38	44	49	38	31	34	88	112	66	66	66	66	66	66	66	66	67	1040
Commercial Non-Commute	30	59	38	38	40	29	23	23	63	72	13	13	13	13	13	13	13	13	14	519.9
Commercial Customer	3120	4932	4428	4697	2248	2382	1711	1510	2952	2147	403	403	436	436	436	436	436	436	436	33548
Total	3177	5042	4505	4779	2337	2449	1765	1567	3104	2332	481	481	515	515	515	515	515	515	517	35108

Trip Distribution

Trips	Minutes	LDA NCAT	LDA CAT	LDA.LDT1 ICAT	LDT1 CAT	LDT1.DLT2 DSL NCAT	LDT2 CAT	LDT2.DLT2 DSL NCAT	MDV CAT	MDV.DSL NCAT	LHD1 CAT	LHD1.DSL NCAT	LHD2 CAT	LHD2.DSL NCAT	MHD CAT	MHD.DSL NCAT	MHD.HHD CAT	MHD.HHD.DSL NCAT	LHV CAT	LHV.DSL NCAT	LHV.LHV.BUS ICAT	UBUS CAT	UBUS.DSL NCAT	MCY CAT	MCY.DSL NCAT	MCY.SBUS DSL NCAT	SBUS CAT	SBUS.DSL NCAT	MH CAT	MH.DSL NCAT	MH.DSL		
3177	5	28.0	1712.5	7.1	12.9	454.2	9.5	6.2	501.8	6.7	3.2	219.1	6.4	0.0	28.6	6.4	0.0	6.4	6.4	0.0	0.0	0.0	3.2	3.2	41.3	12.7	0.0	0.0	0.0	3.2	3.2	31.8	3.2
5042.34	10	44.4	2717.8	11.1	20.4	720.8	15.1	9.8	796.4	10.6	5.1	347.8	10.2	0.0	45.4	10.1	0.0	10.1	10.1	0.0	10.1	0.0	5.0	5.0	65.6	20.1	0.0	0.0	0.0	5.0	5.0	50.4	5.1
4504.80	20	39.6	2428.1	9.9	18.2	644.0	13.5	8.8	711.5	9.5	4.5	310.7	9.1	0.0	40.5	9.0	0.0	9.0	9.0	0.0	9.0	0.0	4.5	4.5	58.6	18.0	0.0	0.0	0.0	4.5	4.5	45.0	4.5
4778.91	30	42.1	2575.8	10.5	19.4	683.1	14.3	9.3	754.8	10.1	4.8	329.6	9.6	0.0	43.0	9.6	0.0	9.6	9.6	0.0	9.6	0.0	4.8	4.8	62.1	19.1	0.0	0.0	0.0	4.8	4.8	47.8	4.8
2336.64	40	20.6	1259.5	5.1	9.5	334.0	7.0	4.5	369.1	4.9	2.4	161.2	4.7	0.0	21.0	4.7	0.0	4.7	4.7	0.0	4.7	0.0	2.3	2.3	30.4	9.3	0.0	0.0	0.0	2.3	2.3	23.4	2.4
2449.00	50	21.6	1320.0	5.4	9.9	350.1	7.3	4.8	386.8	5.2	2.5	168.9	4.9	0.0	22.0	4.9	0.0	4.9	4.9	0.0	4.9	0.0	2.4	2.4	31.8	9.8	0.0	0.0	0.0	2.4	2.4	24.5	2.5
1765.04	60	15.5	951.4	3.9	7.1	252.3	5.3	3.4	278.8	3.7	1.8	121.7	3.6	0.0	15.9	3.5	0.0	3.5	3.5	0.0	3.5	0.0	1.8	1.8	23.0	7.1	0.0	0.0	0.0	1.8	1.8	17.6	1.8
1566.86	120	13.8	844.5	3.4	6.3	224.0	4.7	3.0	247.5	3.3	1.6	108.1	3.2	0.0	14.1	3.1	0.0	3.1	3.1	0.0	3.1	0.0	1.6	1.6	20.4	6.3	0.0	0.0	0.0	1.6	1.6	15.7	1.6
3103.55	180	27.3	1672.8	6.8	12.6	443.7	9.3	6.0	490.2	6.5	3.1	214.1	6.3	0.0	27.9	6.2	0.0	6.2	6.2	0.0	6.2	0.0	3.1	3.1	40.4	12.4	0.0	0.0	0.0	3.1	3.1	31.0	3.1
2331.66	240	20.5	1256.8	5.1	9.4	333.3	7.0	4.5	368.3	4.9	2.4	160.8	4.7	0.0	21.0	4.7	0.0	4.7	4.7	0.0	4.7	0.0	2.3	2.3	30.3	9.3	0.0	0.0	0.0	2.3	2.3	23.3	2.4
481.09	300	4.2	259.3	1.1	1.9	68.8	1.4	0.9	76.0	1.0	0.5	33.2	1.0	0.0	4.3	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.5	0.5	6.3	1.9	0.0	0.0	0.0	0.5	0.5	4.8	0.5
481.09	360	4.2	259.3	1.1	1.9	68.8	1.4	0.9	76.0	1.0	0.5	33.2	1.0	0.0	4.3	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.5	0.5	6.3	1.9	0.0	0.0	0.0	0.5	0.5	4.8	0.5
514.64	420	4.5	277.4	1.1	2.1	73.6	1.5	1.0	81.3	1.1	0.5	35.5	1.0	0.0	4.6	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.5	0.5	6.7	2.1	0.0	0.0	0.0	0.5	0.5	5.1	0.5
514.64	480	4.5	277.4	1.1	2.1	73.6	1.5	1.0	81.3	1.1	0.5	35.5	1.0	0.0	4.6	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.5	0.5	6.7	2.1	0.0	0.0	0.0	0.5	0.5	5.1	0.5
514.64	540	4.5	277.4	1.1	2.1	73.6	1.5	1.0	81.3	1.1	0.5	35.5	1.0	0.0	4.6	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.5	0.5	6.7	2.1	0.0	0.0	0.0	0.5	0.5	5.1	0.5
515	600	4.5	277.4	1.1	2.1	73.6	1.5	1.0	81.3	1.1	0.5	35.5	1.0	0.0	4.6	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.5	0.5	6.7	2.1	0.0	0.0	0.0	0.5	0.5	5.1	0.5
515	660	4.5	277.4	1.1	2.1	73.6	1.5	1.0	81.3	1.1	0.5	35.5	1.0	0.0	4.6	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.5	0.5	6.7	2.1	0.0	0.0	0.0	0.5	0.5	5.1	0.5
517	720	4.5	278.5	1.1	2.1	73.9	1.6	1.0	81.6	1.1	0.5	35.6	1.0	0.0	4.6	1.0	0.0	1.0	1.0	0.0	1.0	0.0	0.5	0.5	6.7	2.1	0.0	0.0	0.0	0.5	0.5	5.2	0.5
35108 Total		309	18923	77	142	5019	105	68	5545	74	35	2422	71	0	316	70	0	70	70	0	70	0	35	35	457	140	0	0	0	35	35	351	35

Emission Factors

Pollutant Name: Carbon Dioxide Relative Humidity: ALL

Time min	LDA NCAT	LDA CAT	LDA.LDT1 ICAT	LDT1 CAT	LDT1.DLT2 DSL NCAT	LDT2 CAT	LDT2.DLT2 DSL NCAT	MDV CAT	MDV.DSL NCAT	LHD1 CAT	LHD1.DSL NCAT	LHD2 CAT	LHD2.DSL NCAT	MHD CAT	MHD.DSL NCAT	MHD.HHD CAT	MHD.HHD.DSL NCAT	LHV CAT	LHV.DSL NCAT	LHV.LHV.BUS ICAT	UBUS CAT	UBUS.DSL NCAT	MCY CAT	MCY.DSL NCAT	MCY.SBUS DSL NCAT	SBUS CAT	SBUS.DSL NCAT	MH CAT	MH.DSL NCAT	MH.DSL	
5	111.902	9.466	0.112	11.25	0.112	12.177	0.129	15.28	0.171	16.97	0.170	14.28	0.170	9.546	0.171	9.546	0.0	0.0	0.0	0.0	0.171	9.546	0.3429	1.815	0.171	9.546	0.170	9.546	0.170	9.546	0.0
10	121.432	12.192	0.122	14.701	0.122	15.272	0.140	20.143	0.185	23.64	0.185	21.97	0.185	19.04	0.185	19.04	0.0	0.0	0.0	0.0	0.185	19.04	0.3721	3.619	0.185	19.04	0.185	19.04	0.185	19.04	0.0
20	139.927	17.929	0.140	21.926	0.140	21.855	0.162	30.297	0.213	37.38	0.213	37.55	0.213	37.87	0.213	37.87	0.0	0.0	0.0	0.0	0.213	37.87	0.4287	7.198	0.213	37.87	0.213	37.87	0.213	37.87	0.0
30	157.671	24.046	0.158	29.584	0.158	28.962	0.182	41.023	0.240	51.64	0.240	53.39	0.240	56.48	0.240	56.48	0.0	0.0	0.0	0.0	0.240	56.48	0.4831	10.74	0.240	56.48	0.240	56.48	0.240	56.48	0.0
40	174.663	30.541	0.175	37.674	0.175	36.593	0.202	52.32	0.266	66.42	0.266	69.49	0.266	74.89	0.266	74.89	0.0	0.0	0.0	0.0	0.266	74.89	0.5352	14.24	0.266	74.89	0.266	74.89	0.266	74.89	0.0
50	190.904	37.416	0.191	46.196	0.191	44.749	0.221	64.189	0.291	81.72	0.291	85.84	0.291	93.08	0.291	93.08	0.0	0.0	0.0	0.0	0.291	93.08	0.5849	17.69	0.291	93.08	0.291	93.08	0.291	93.08	0.0
60	206.393	44.67	0.207	55.15	0.207	53.428	0.239	76.629	0.315	97.55	0.314	102.4	0.314	111.1	0.314	111.1	0.0	0.0	0.0	0.0	0.315	111.1	0.6324	21.11	0.315	111.1	0.315	111.1	0.315	111.1	0.0
120	279.289	90.941	0.280	111.12	0.280	111.05	0.323	153.46	0.426	188.7	0.426	188.8	0.426	188.9	0.426	188.9	0.0	0.0	0.0	0.0	0.426	188.9	0.8557	35.91	0.426	188.9	0.426	188.9	0.426	188.9	0.0
180	279.509	104.873	0.280	128.31	0.280	127.73	0.323	177.33	0.426	219.1	0.426	220.6	0.426	223.2	0.426	223.2	0.0	0.0	0.0	0.0	0.426	223.2	0.8564	42.42	0.426	223.2	0.426	223.2	0.426	223.2	0.0
240	279.728	118.412	0.281	144.98	0.281	144.01	0.323	200.46	0.427	248.3	0.426	250.9	0.426	255.4	0.426	255.4	0.0	0.0	0.0	0.0	0.427	255.4	0.8571	48.55	0.427	255.4	0.427	255.4	0.427	255.4	0.0
300	279.948	131.559	0.281	161.13	0.281	159.89	0.324	222.84	0.427	276.3	0.427	279.7	0.427	285.6	0.427	285.6	0.0	0.0	0.0	0.0	0.427	285.6	0.8578	54.3	0.427	285.6	0.427	285.6	0.427	285.6	0.0
360	280.167	144.313	0.281	176.77	0.281	175.36	0.324	244.48	0.427	303.2	0.427	307.1	0.427	313.8	0.427	313.8	0.0	0.0	0.0	0.0	0.427	313.8	0.8584	59.66	0.427	313.8	0.427	313.8	0.427	313.8	0.0
420	280.387	156.675	0.281	191.89	0.281	190.42	0.324	265.38	0.428	329	0.427	333	0.427	340	0.428	340	0.0	0.0	0.0	0.0	0.428	340	0.8591	64.64	0.428	340	0.428	340	0.427	340	0.0
480	280.606	168.645	0.281	206.49	0.282	205.08	0.324	285.53	0.428	353.7	0.428	357.5	0.428	364.2	0.428	364.2	0.0	0.0	0.0	0.0	0.428	364.2	0.8598	69.23	0.428	364.2	0.428	364.2	0.428	364.2	0.0
540	280.826	180.222	0.282	220.58	0.282	219.33	0.325	304.93	0.428	377.2	0.428	380.5	0.428	386.3	0.428	386.3	0.0	0.0	0.0	0.0	0.428	386.3	0.8604	73.44	0.428	386.3					

Fueling Emissions

Oak Hills Marketplace

Throughput: (gal/year)

2000000

Source	Emission Factor (lb/1000 gal)	Emissions (lb/year)	Emissions (lbs/day)
Loading	0.084	168	0.46
Breathing	0.025	50	0.14
Spillage	0.42	840	2.30
Refueling	0.74	1480	4.05
Total		2538	6.95

Source for emission factors: Toxics Committee of the California Air Pollution Control Officers Association (CAPCOA). Gasoline Service Station Industrywide Risk Assessment Guidelines. November 1997, page D-8. Underground Tanks, with phase I and II and vent valves (Scenario 6B)

Emission rate (lb/year) = emission factor (lb/1000 gal) * throughput (gal/year)

Loading - Emissions occur when a cargo tank truck unloads gasoline to the storage tanks at the gasoline station.

Breathing - Gasoline vapors are emitted from the storage tank vent pipe due to temperature and pressure changes within the storage tank vapor space.

Refueling - During the refueling process, gasoline vapors are emitted at the vehicle/nozzle interface.

Spillage - Emissions from spills during vehicle fueling.

CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2008: Outer Hwy 10S at 16th St
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	5	0	5	600	AG	0	5.7	.0	10.0
B. NB Approach	5	600	5	753	AG	0	9.8	.0	10.0
C. NB Depart	5	753	5	905	AG	391	9.8	.0	10.0
D. NB External	5	905	5	1505	AG	391	5.7	.0	10.0
E. NB Left	5	600	2	753	AG	0	9.8	.0	10.0
F. SB Left	0	905	2	753	AG	246	9.8	.0	10.0
G. SB External	0	1505	0	905	AG	278	5.7	.0	10.0
H. SB Approach	0	905	0	753	AG	32	9.8	.0	10.0
I. SB Depart	0	753	0	600	AG	0	9.8	.0	10.0
J. SB External	0	600	0	0	AG	0	5.7	.0	10.0
K. EB External	-750	750	-150	750	AG	455	5.7	.0	10.0
L. EB Approach	-150	750	2	750	AG	306	9.8	.0	10.0
M. EB Depart	2	750	155	750	AG	552	9.8	.0	10.0
N. EB External	155	750	755	750	AG	552	5.7	.0	10.0
O. WB External	755	755	155	755	AG	421	5.7	.0	10.0
P. WB Approach	155	755	2	755	AG	421	9.8	.0	10.0
Q. WB Depart	2	755	-150	755	AG	211	9.8	.0	10.0
R. WB External	-150	755	-750	755	AG	211	5.7	.0	10.0
S. EB Left	-150	750	2	753	AG	149	9.8	.0	10.0
T. WB Left	155	755	2	753	AG	0	9.8	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	8	747	2.0
3. Receptor	8	758	2.0
4. Receptor	-3	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)				
						D	E	F	G	H
1. Receptor	87.	1.4	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	357.	1.3	.0	.0	.6	.0	.0	.3	.0	.0
3. Receptor	267.	1.2	.0	.0	.1	.0	.0	.0	.0	.0
4. Receptor	93.	1.5	.0	.0	.1	.0	.0	.0	.0	.0

RECEPTOR	* I	* J	* K	* L	* M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.8	.1	.1	.3	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0
3. Receptor	.0	.0	.1	.2	.0	.0	.0	.0	.3	.0	.2	.0
4. Receptor	.0	.0	.0	.0	.3	.1	.0	.6	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2008: Live Oak Cyn at Outer Hwy 10S (AM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	6	0	6	600	AG	197	5.7	.0	10.0
B. NB Approach	6	600	6	753	AG	185	9.8	.0	10.0
C. NB Depart	6	753	6	906	AG	889	9.8	.0	10.0
D. NB External	6	906	6	1506	AG	889	5.7	.0	10.0
E. NB Left	6	600	3	753	AG	12	9.8	.0	10.0
F. SB Left	0	906	3	753	AG	599	9.8	.0	10.0
G. SB External	0	1506	0	906	AG	1067	5.7	.0	10.0
H. SB Approach	0	906	0	753	AG	468	9.8	.0	10.0
I. SB Depart	0	753	0	600	AG	299	9.8	.0	10.0
J. SB External	0	600	0	0	AG	299	5.7	.0	10.0
K. EB External	-750	750	-150	750	AG	342	5.7	.0	10.0
L. EB Approach	-150	750	3	750	AG	93	9.8	.0	10.0
M. EB Depart	3	750	156	750	AG	749	9.8	.0	10.0
N. EB External	156	750	756	750	AG	749	5.7	.0	10.0
O. WB External	756	756	156	756	AG	662	5.7	.0	10.0
P. WB Approach	156	756	3	756	AG	596	9.8	.0	10.0
Q. WB Depart	3	756	-150	756	AG	331	9.8	.0	10.0
R. WB External	-150	756	-750	756	AG	331	5.7	.0	10.0
S. EB Left	-150	750	3	753	AG	249	9.8	.0	10.0
T. WB Left	156	756	3	753	AG	66	9.8	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	9	747	2.0
3. Receptor	9	759	2.0
4. Receptor	-3	759	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Receptor	3.	2.4	.0	.0	.4	.2	.0	.6	.2	.7		
2. Receptor	357.	2.9	.0	.0	1.2	.2	.0	.5	.2	.2		
3. Receptor	356.	2.6	.0	.0	1.4	.1	.0	.5	.2	.3		
4. Receptor	93.	2.3	.0	.0	.3	.0	.0	.2	.0	.1		

RECEPTOR	* I	* J	* K	* L	* M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.2	.0	.0	.2	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.4	.2	.1	.9	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2008: Live Oak Cyn at 1-10 East (PM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	COORDINATES (M) Y1	* X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	5	0	5	600	* AG	1788	5.7	.0	10.0
B. NB Approach	5	600	5	753	* AG	1788	9.8	.0	10.0
C. NB Depart	5	753	5	905	* AG	1730	9.8	.0	10.0
D. NB External	5	905	5	1505	* AG	1730	5.7	.0	10.0
E. NB Left	5	600	2	753	* AG	0	9.8	.0	10.0
F. SB Left	0	905	2	753	* AG	174	9.8	.0	10.0
G. SB External	0	1505	0	905	* AG	1504	5.7	.0	10.0
H. SB Approach	0	905	0	753	* AG	1330	9.8	.0	10.0
I. SB Depart	0	753	0	600	* AG	1667	9.8	.0	10.0
J. SB External	0	600	0	0	* AG	1667	5.7	.0	10.0
K. EB External	-750	750	-150	750	* AG	863	5.7	.0	10.0
L. EB Approach	-150	750	2	750	* AG	338	9.8	.0	10.0
M. EB Depart	2	750	155	750	* AG	758	9.8	.0	10.0
N. EB External	155	750	755	750	* AG	758	5.7	.0	10.0
O. WB External	755	755	155	755	* AG	0	5.7	.0	10.0
P. WB Approach	155	755	2	755	* AG	0	9.8	.0	10.0
Q. WB Depart	2	755	-150	755	* AG	0	9.8	.0	10.0
R. WB External	-150	755	-750	755	* AG	0	5.7	.0	10.0
S. EB Left	-150	750	2	753	* AG	525	9.8	.0	10.0
T. WB Left	155	755	2	753	* AG	0	9.8	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	8	747	2.0
3. Receptor	8	758	2.0
4. Receptor	-3	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
						D	E	F	G	H		
1. Receptor	3.	4.0	.0	.0	.9	.3	.0	.3	.2	1.7		
2. Receptor	357.	4.2	.0	.4	2.2	.2	.0	.2	.3	.7		
3. Receptor	183.	4.2	.2	2.3	.3	.0	.0	.0	.0	.0		
4. Receptor	177.	4.2	.3	.9	.0	.0	.0	.0	.0	.2		

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Receptor	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
2. Receptor	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.8	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
4. Receptor	2.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.2	.0

CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2008: Oak Glen at 1-10 West (PM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	COORDINATES (M) Y1	* X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	3	0	3	600	* AG	1783	5.7	.0	10.0
B. NB Approach	3	600	3	753	* AG	1467	9.8	.0	10.0
C. NB Depart	3	753	3	905	* AG	1695	9.8	.0	10.0
D. NB External	3	905	3	1505	* AG	1695	5.7	.0	10.0
E. NB Left	3	600	2	753	* AG	316	9.8	.0	10.0
F. SB Left	0	905	2	753	* AG	0	9.8	.0	10.0
G. SB External	0	1505	0	905	* AG	1422	5.7	.0	10.0
H. SB Approach	0	905	0	753	* AG	1422	9.8	.0	10.0
I. SB Depart	0	753	0	600	* AG	1004	9.8	.0	10.0
J. SB External	0	600	0	0	* AG	1004	5.7	.0	10.0
K. EB External	-750	750	-150	750	* AG	0	5.7	.0	10.0
L. EB Approach	-150	750	2	750	* AG	0	9.8	.0	10.0
M. EB Depart	2	750	153	750	* AG	0	9.8	.0	10.0
N. EB External	153	750	753	750	* AG	0	5.7	.0	10.0
O. WB External	753	755	153	755	* AG	285	5.7	.0	10.0
P. WB Approach	153	755	2	755	* AG	228	9.8	.0	10.0
Q. WB Depart	2	755	-150	755	* AG	791	9.8	.0	10.0
R. WB External	-150	755	-750	755	* AG	791	5.7	.0	10.0
S. EB Left	-150	750	2	753	* AG	0	9.8	.0	10.0
T. WB Left	153	755	2	753	* AG	57	9.8	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	6	747	2.0
3. Receptor	6	758	2.0
4. Receptor	-3	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
			D	E	F	G	H					
1. Receptor	3.	4.3	.0	.0	1.4	.3	.0	.0	.2	1.8		
2. Receptor	357.	4.3	.0	.3	2.1	.2	.0	.0	.3	1.2		
3. Receptor	183.	4.2	.2	1.9	.3	.0	.5	.0	.0	.0		
4. Receptor	177.	4.0	.3	1.3	.0	.0	.4	.0	.0	.3		

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
	N	O	P	Q	R	S	T					
1. Receptor	.2	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	1.4	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0

CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2008: Oak Glen Rd at 14th/Calimesa (AM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	COORDINATES (M) Y1	* X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	9	0	9	600	* AG	881	5.7	.0	12.2
B. NB Approach	9	600	9	755	* AG	768	9.8	.0	12.2
C. NB Depart	9	755	9	909	* AG	684	9.8	.0	12.2
D. NB External	9	909	9	1509	* AG	684	5.7	.0	12.2
E. NB Left	9	600	5	755	* AG	113	9.8	.0	12.2
F. SB Left	0	909	5	755	* AG	15	9.8	.0	12.2
G. SB External	0	1509	0	909	* AG	1010	5.7	.0	12.2
H. SB Approach	0	909	0	755	* AG	995	9.8	.0	12.2
I. SB Depart	0	755	0	600	* AG	1580	9.8	.0	12.2
J. SB External	0	600	0	0	* AG	1580	5.7	.0	12.2
K. EB External	-750	750	-150	750	* AG	192	5.7	.0	12.2
L. EB Approach	-150	750	5	750	* AG	182	9.8	.0	12.2
M. EB Depart	5	750	159	750	* AG	178	9.8	.0	12.2
N. EB External	159	750	759	750	* AG	178	5.7	.0	12.2
O. WB External	759	759	159	759	* AG	729	5.7	.0	12.2
P. WB Approach	159	759	5	759	* AG	239	9.8	.0	12.2
Q. WB Depart	5	759	-150	759	* AG	370	9.8	.0	12.2
R. WB External	-150	759	-750	759	* AG	370	5.7	.0	12.2
S. EB Left	-150	750	5	755	* AG	10	9.8	.0	12.2
T. WB Left	159	759	5	755	* AG	490	9.8	.0	12.2

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	12	747	2.0
3. Receptor	12	762	2.0
4. Receptor	-3	762	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. Receptor	2.	2.4	.0	.0	.2	.2	.0	.0	.2	1.2	
2. Receptor	357.	2.0	.0	.2	.9	.1	.0	.0	.2	.3	
3. Receptor	184.	2.5	.1	1.0	.1	.0	.1	.0	.0	.0	
4. Receptor	178.	3.0	.2	.2	.0	.0	.0	.0	.0	.2	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Receptor	.4	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
3. Receptor	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
4. Receptor	1.9	.3	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0

CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2008: Oak Glen at Colorado St (PM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	COORDINATES (M) Y1	* X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	8	0	8	600	* AG	1177	5.7	.0	10.6
B. NB Approach	8	600	8	753	* AG	1177	9.8	.0	10.6
C. NB Depart	8	753	8	905	* AG	1038	9.8	.0	10.6
D. NB External	8	905	8	1505	* AG	1038	5.7	.0	10.6
E. NB Left	8	600	4	753	* AG	0	9.8	.0	10.6
F. SB Left	0	905	4	753	* AG	4	9.8	.0	10.6
G. SB External	0	1505	0	905	* AG	920	5.7	.0	10.6
H. SB Approach	0	905	0	753	* AG	916	9.8	.0	10.6
I. SB Depart	0	753	0	600	* AG	1034	9.8	.0	10.6
J. SB External	0	600	0	0	* AG	1034	5.7	.0	10.6
K. EB External	-750	750	-150	750	* AG	0	5.7	.0	10.0
L. EB Approach	-150	750	4	750	* AG	0	9.8	.0	10.0
M. EB Depart	4	750	158	750	* AG	149	9.8	.0	10.0
N. EB External	158	750	758	750	* AG	149	5.7	.0	10.0
O. WB External	758	755	158	755	* AG	124	5.7	.0	10.0
P. WB Approach	158	755	4	755	* AG	6	9.8	.0	10.0
Q. WB Depart	4	755	-150	755	* AG	0	9.8	.0	10.0
R. WB External	-150	755	-750	755	* AG	0	5.7	.0	10.0
S. EB Left	-150	750	4	753	* AG	0	9.8	.0	10.0
T. WB Left	158	755	4	753	* AG	118	9.8	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	11	747	2.0
3. Receptor	11	758	2.0
4. Receptor	-3	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
			D	E	F	G	H					
1. Receptor	3.	2.2	.0	.0	.3	.2	.0	.0	.2	1.2		
2. Receptor	357.	2.4	.0	.2	1.4	.2	.0	.0	.2	.3		
3. Receptor	183.	2.6	.2	1.6	.2	.0	.0	.0	.0	.0		
4. Receptor	177.	2.4	.3	.4	.0	.0	.0	.0	.0	.2		

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
	N	O	P	Q	R	S	T					
1. Receptor	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	1.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2030: Live Oak Cyn at Outer Hwy 10S (PM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	6	0	6	600	AG	918	1.1	.0	10.0
B. NB Approach	6	600	6	753	AG	664	1.7	.0	10.0
C. NB Depart	6	753	6	906	AG	1530	1.7	.0	10.0
D. NB External	6	906	6	1506	AG	1530	1.1	.0	10.0
E. NB Left	6	600	3	753	AG	254	1.7	.0	10.0
F. SB Left	0	906	3	753	AG	886	1.7	.0	10.0
G. SB External	0	1506	0	906	AG	1587	1.1	.0	10.0
H. SB Approach	0	906	0	753	AG	701	1.7	.0	10.0
I. SB Depart	0	753	0	600	AG	792	1.7	.0	10.0
J. SB External	0	600	0	0	AG	792	1.1	.0	10.0
K. EB External	-750	750	-150	750	AG	481	1.1	.0	10.0
L. EB Approach	-150	750	3	750	AG	293	1.7	.0	10.0
M. EB Depart	3	750	156	750	AG	1237	1.7	.0	10.0
N. EB External	156	750	756	750	AG	1237	1.1	.0	10.0
O. WB External	756	756	156	756	AG	1128	1.1	.0	10.0
P. WB Approach	156	756	3	756	AG	984	1.7	.0	10.0
Q. WB Depart	3	756	-150	756	AG	555	1.7	.0	10.0
R. WB External	-150	756	-750	756	AG	555	1.1	.0	10.0
S. EB Left	-150	750	3	753	AG	188	1.7	.0	10.0
T. WB Left	156	756	3	753	AG	144	1.7	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	9	747	2.0
3. Receptor	9	759	2.0
4. Receptor	-3	759	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. Receptor	4.	.6	.0	.0	.1	.0	.0	.2	.0	.2	
2. Receptor	357.	.8	.0	.0	.3	.0	.0	.1	.0	.0	
3. Receptor	357.	.7	.0	.0	.4	.0	.0	.1	.0	.0	
4. Receptor	93.	.6	.0	.0	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0

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 JUNE 1989 VERSION
 PAGE 1

JOB: 2030: Live Oak Cyn at 1-10 East (PM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	COORDINATES (M) Y1	* X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	5	0	5	600	* AG	1578	1.1	.0	10.0
B. NB Approach	5	600	5	753	* AG	1578	1.7	.0	10.0
C. NB Depart	5	753	5	905	* AG	2511	1.7	.0	10.0
D. NB External	5	905	5	1505	* AG	2511	1.1	.0	10.0
E. NB Left	5	600	2	753	* AG	0	1.7	.0	10.0
F. SB Left	0	905	2	753	* AG	424	1.7	.0	10.0
G. SB External	0	1505	0	905	* AG	1503	1.1	.0	10.0
H. SB Approach	0	905	0	753	* AG	1079	1.7	.0	10.0
I. SB Depart	0	753	0	600	* AG	1549	1.7	.0	10.0
J. SB External	0	600	0	0	* AG	1549	1.1	.0	10.0
K. EB External	-750	750	-150	750	* AG	1787	1.1	.0	10.0
L. EB Approach	-150	750	2	750	* AG	474	1.7	.0	10.0
M. EB Depart	2	750	155	750	* AG	808	1.7	.0	10.0
N. EB External	155	750	755	750	* AG	808	1.1	.0	10.0
O. WB External	755	755	155	755	* AG	0	1.1	.0	10.0
P. WB Approach	155	755	2	755	* AG	0	1.7	.0	10.0
Q. WB Depart	2	755	-150	755	* AG	0	1.7	.0	10.0
R. WB External	-150	755	-750	755	* AG	0	1.1	.0	10.0
S. EB Left	-150	750	2	753	* AG	1313	1.7	.0	10.0
T. WB Left	155	755	2	753	* AG	0	1.7	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	8	747	2.0
3. Receptor	8	758	2.0
4. Receptor	-3	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. Receptor	4.	.8	.0	.0	.2	.0	.0	.0	.0	.2	
2. Receptor	357.	.9	.0	.0	.5	.0	.0	.0	.0	.1	
3. Receptor	183.	.7	.0	.4	.0	.0	.0	.0	.0	.0	
4. Receptor	177.	.8	.0	.1	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
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JOB: 2030: Oak Glen at 1-10 West (PM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	COORDINATES (M) Y1	* X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	3	0	3	600	* AG	2489	1.1	.0	10.0
B. NB Approach	3	600	3	753	* AG	2007	1.7	.0	10.0
C. NB Depart	3	753	3	905	* AG	2448	1.7	.0	10.0
D. NB External	3	905	3	1505	* AG	2448	1.1	.0	10.0
E. NB Left	3	600	2	753	* AG	482	1.7	.0	10.0
F. SB Left	0	905	2	753	* AG	0	1.7	.0	10.0
G. SB External	0	1505	0	905	* AG	1849	1.1	.0	10.0
H. SB Approach	0	905	0	753	* AG	1849	1.7	.0	10.0
I. SB Depart	0	753	0	600	* AG	1632	1.7	.0	10.0
J. SB External	0	600	0	0	* AG	1632	1.1	.0	10.0
K. EB External	-750	750	-150	750	* AG	0	1.1	.0	10.0
L. EB Approach	-150	750	2	750	* AG	0	1.7	.0	10.0
M. EB Depart	2	750	153	750	* AG	0	1.7	.0	10.0
N. EB External	153	750	753	750	* AG	0	1.1	.0	10.0
O. WB External	753	755	153	755	* AG	870	1.1	.0	10.0
P. WB Approach	153	755	2	755	* AG	442	1.7	.0	10.0
Q. WB Depart	2	755	-150	755	* AG	1128	1.7	.0	10.0
R. WB External	-150	755	-750	755	* AG	1128	1.1	.0	10.0
S. EB Left	-150	750	2	753	* AG	0	1.7	.0	10.0
T. WB Left	153	755	2	753	* AG	428	1.7	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	6	747	2.0
3. Receptor	6	758	2.0
4. Receptor	-3	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. Receptor	3.	1.0	.0	.0	.3	.0	.0	.0	.0	.4	
2. Receptor	357.	1.0	.0	.0	.5	.0	.0	.0	.0	.3	
3. Receptor	183.	1.0	.0	.4	.0	.0	.1	.0	.0	.0	
4. Receptor	177.	1.0	.0	.3	.0	.0	.1	.0	.0	.0	

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2030: Oak Glen Rd at 14th/Calimesa (PM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	* Y1	* X2	* Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	9	0	9	600	AG	2793	1.1	.0	12.2
B. NB Approach	9	600	9	755	AG	2523	1.7	.0	12.2
C. NB Depart	9	755	9	909	AG	2241	1.7	.0	12.2
D. NB External	9	909	9	1509	AG	2241	1.1	.0	12.2
E. NB Left	9	600	5	755	AG	270	1.7	.0	12.2
F. SB Left	0	909	5	755	AG	44	1.7	.0	12.2
G. SB External	0	1509	0	909	AG	1282	1.1	.0	12.2
H. SB Approach	0	909	0	755	AG	1238	1.7	.0	12.2
I. SB Depart	0	755	0	600	AG	1614	1.7	.0	12.2
J. SB External	0	600	0	0	AG	1614	1.1	.0	12.2
K. EB External	-750	750	-150	750	AG	356	1.1	.0	12.2
L. EB Approach	-150	750	5	750	AG	288	1.7	.0	12.2
M. EB Depart	5	750	159	750	AG	575	1.7	.0	12.2
N. EB External	159	750	759	750	AG	575	1.1	.0	12.2
O. WB External	759	759	159	759	AG	369	1.1	.0	12.2
P. WB Approach	159	759	5	759	AG	122	1.7	.0	12.2
Q. WB Depart	5	759	-150	759	AG	370	1.7	.0	12.2
R. WB External	-150	759	-750	759	AG	370	1.1	.0	12.2
S. EB Left	-150	750	5	755	AG	68	1.7	.0	12.2
T. WB Left	159	759	5	755	AG	247	1.7	.0	12.2

III. RECEPTOR LOCATIONS

RECEPTOR	* X	* Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	12	747	2.0
3. Receptor	12	762	2.0
4. Receptor	-3	762	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	* B	* C	CONC/LINK (PPM)					
						D	E	F	G	H	
1. Receptor	176.	.7	.0	.1	.0	.0	.0	.0	.0	.0	
2. Receptor	358.	.8	.0	.1	.4	.0	.0	.0	.0	.0	
3. Receptor	183.	.9	.0	.5	.0	.0	.0	.0	.0	.0	
4. Receptor	176.	.7	.0	.1	.0	.0	.0	.0	.0	.0	

RECEPTOR	* I	* J	* K	* L	* M	CONC/LINK (PPM)						
						N	O	P	Q	R	S	T
1. Receptor	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: 2030: Oak Glen at Colorado St (PM)
 RUN: Hour 1 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 630. (M)
 BRG= WORST CASE VD= .0 CM/S
 CLAS= 7 (G) VS= .0 CM/S
 MIXH= 1000. M AMB= .0 PPM
 SIGHT= 5. DEGREES TEMP= 9.0 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	* X1	COORDINATES (M) Y1	* X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	8	0	8	600	* AG	2070	1.1	.0	10.6
B. NB Approach	8	600	8	753	* AG	2070	1.7	.0	10.6
C. NB Depart	8	753	8	905	* AG	1934	1.7	.0	10.6
D. NB External	8	905	8	1505	* AG	1934	1.1	.0	10.6
E. NB Left	8	600	4	753	* AG	0	1.7	.0	10.6
F. SB Left	0	905	4	753	* AG	4	1.7	.0	10.6
G. SB External	0	1505	0	905	* AG	1053	1.1	.0	10.6
H. SB Approach	0	905	0	753	* AG	1049	1.7	.0	10.6
I. SB Depart	0	753	0	600	* AG	1165	1.7	.0	10.6
J. SB External	0	600	0	0	* AG	1165	1.1	.0	10.6
K. EB External	-750	750	-150	750	* AG	0	1.1	.0	10.0
L. EB Approach	-150	750	4	750	* AG	0	1.7	.0	10.0
M. EB Depart	4	750	158	750	* AG	146	1.7	.0	10.0
N. EB External	158	750	758	750	* AG	146	1.1	.0	10.0
O. WB External	758	755	158	755	* AG	122	1.1	.0	10.0
P. WB Approach	158	755	4	755	* AG	6	1.7	.0	10.0
Q. WB Depart	4	755	-150	755	* AG	0	1.7	.0	10.0
R. WB External	-150	755	-750	755	* AG	0	1.1	.0	10.0
S. EB Left	-150	750	4	753	* AG	0	1.7	.0	10.0
T. WB Left	158	755	4	753	* AG	116	1.7	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	* X	COORDINATES (M) Y	* Z
1. Receptor	-3	747	2.0
2. Receptor	11	747	2.0
3. Receptor	11	758	2.0
4. Receptor	-3	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	* A	B	C	CONC/LINK (PPM)						
			D	E	F	G	H					
1. Receptor	3.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
2. Receptor	358.	.7	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
3. Receptor	183.	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	177.	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	* I	J	K	L	M	CONC/LINK (PPM)						
	N	O	P	Q	R	S	T					
1. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

About the Localized Significance Threshold (LST) Analysis

Michael Brandman Associates
December 2006

The LST analysis follows methodology as presented by the South Coast Air Quality Management District (SCAQMD) in its *Final Localized Significance Threshold Methodology*, dated June 2003 (www.aqmd.gov/ceqa/handbook/LST/LST.html).

The grading emissions estimated by URBEMIS are used in the analysis because mitigated emissions are greatest during grading activities. Only the onsite emissions are used, which includes off-road equipment emissions and fugitive dust. The following spreadsheet contains the emission calculations used in the modeling. This analysis is a screening analysis and does not take into account the local terrain. It uses meteorological data as published by the SCAQMD from the City of Redlands.

To represent fugitive dust, an area source covering approximately 20 acres was placed on the project, which is the maximum amount of land that would be disturbed per day. To represent exhaust emission sources, 14 line sources containing eight (8) volume sources each 20 meters long were placed onsite. A variable emission rate assumed the emissions would be generated during the hours of 8:00 am to 4:00 pm.

The receptors included a fence line grid with 50 meter spacing with intervals of 20, 50, 100, 200, 500, and 1000 meters from the project site boundary.

Combustion produces NO_x, which contains primarily nitric oxide. Nitrogen dioxide is formed in the atmosphere by atmospheric chemical reactions involving nitric oxide, ozone, and reactive hydrocarbons. Health effects are observed from nitrogen dioxide, not nitric oxide; therefore, ambient air quality standards are set for nitrogen dioxide. The concentration of nitrogen dioxide increases as the distance from the source increases. The concentrations of NO_x as estimated by the dispersion model are converted to nitrogen dioxide based on the receptor's distance from the source.

Oak Hills Marketplace

LST Analysis

Prepared by Michael Brandman Associates

Emissions

Activity	Pollutant	URBEMIS		Number of Line Sources	Hours per day of Operation	Emissions (g/s-m2)	Emissions (g/s)
		Output (lbs/day)	Area of Source (m2)				
Grading - Mitigated	CO	471.97		14	8		0.531
Grading - Mitigated	NOx	301.36		14	8		0.339
Grading - Mitigated	PM10 Exhaust	15.87		14	8		0.018
Grading - Mitigated	PM10 Fugitive	548.22	80940.4		8	1.1E-04	
Grading - Mitigated	PM2.5 Exhaust	14.12		14	8		0.016
Grading - Mitigated	PM2.5 Fugitive	115.13	80940.4		8	2.2E-05	

Results

Location	24-hour PM10 (ug/m3)	24-hour PM2.5 (ug/m3)	1-hour NO2 (ppm)	1-hour CO (ug/m3)	1-hour CO (ppm)	8-hour CO (ug/m3)	8-hour CO (ppm)
Receptor (200 meters)	96	24	0.04	964	0.8	182	0.2
Receptor (500 meters)	41	9	0.05	551	0.5	81	0.1

NOx Conversion to Nitrogen Dioxide - Construction

Distance to Construction Source

(m)	NO2/NOx Ratio	NOx (ug/m3)	NO2 (ppm)
20	0.053	1109	0.03
50	0.059	1052	0.03
100	0.074	853	0.03
200	0.114	635	0.04
500	0.258	352	0.05
1000	0.467	195	0.05

	A	B	C	D	E	F	G	H
1	Oak Hills Marketpla							
2	LST Analysis							
3	Formulas							
4								
5	Emissions							
6	Activity	Pollutant	URBEMIS Output (lbs/day)	Area of Source (m2)	Number of Line Sources	Hours per day of Operation	Emissions (g/s-m2)	Emissions (g/s)
7	Grading - Mitigated	CO	471.97		14	8		=C7*453.6/F7/60/60/E7
8	Grading - Mitigated	NOx	301.36		14	8		=C8*453.6/F8/60/60/E8
9	Grading - Mitigated	PM10 Exhaust	15.87		14	8		=C9*453.6/F9/60/60/E9
10	Grading - Mitigated	PM10 Fugitive	548.22	80940.4		8	=C10*453.6/F10/60/60/D10	
11	Grading - Mitigated	PM2.5 Exhaust	14.12		14	8		=C11*453.6/F11/60/60/E11
12	Grading - Mitigated	PM2.5 Fugitive	115.13	=D10		8	=C12*453.6/F12/60/60/D12	
13								
14	Results							
15	Location	24-hour PM10 (ug/m3)	24-hour PM2.5 (ug/m3)	1-hour NO2 (ppm)	1-hour CO (ug/m3)	1-hour CO (ppm)	8-hour CO (ug/m3)	8-hour CO (ppm)
16	Receptor (200 meters)	96	24	=D24	964	=(E16*0.02449)/28.01	182	=(G16*0.02449)/28.01
17	Receptor (500 meters)	41	9	=D25	551	=(E17*0.02449)/28.01	81	=(G17*0.02449)/28.01
18								
19	NOx Conversion to Nitri							
20	Distance to Construction Source (m)	NO2/NOx Ratio	NOx (ug/m3)	NO2 (ppm)				
21	20	0.053	1109	=(C21*0.02449)/46.01*B21				
22	50	0.059	1052	=(C22*0.02449)/46.01*B22				
23	100	0.074	853	=(C23*0.02449)/46.01*B23				
24	200	0.114	635	=(C24*0.02449)/46.01*B24				
25	500	0.258	352	=(C25*0.02449)/46.01*B25				
26	1000	0.467	195	=(C26*0.02449)/46.01*B26				
27								
28								
29								
30								
31								
32								
33								

L0003371	0	0.22500E-02	-123.0	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003372	0	0.22500E-02	-85.3	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003373	0	0.22500E-02	-47.6	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003374	0	0.22500E-02	-9.9	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003375	0	0.22500E-02	27.9	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003376	0	0.22500E-02	65.6	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003377	0	0.22500E-02	103.3	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003378	0	0.22500E-02	141.0	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003379	0	0.22500E-02	-123.0	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003380	0	0.22500E-02	-85.3	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003381	0	0.22500E-02	-47.6	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003382	0	0.22500E-02	-9.9	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003383	0	0.22500E-02	27.9	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003384	0	0.22500E-02	65.6	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003385	0	0.22500E-02	103.3	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003386	0	0.22500E-02	141.0	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003387	0	0.22500E-02	-123.0	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003388	0	0.22500E-02	-85.3	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003389	0	0.22500E-02	-47.6	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003390	0	0.22500E-02	-9.9	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003391	0	0.22500E-02	27.9	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003392	0	0.22500E-02	65.6	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003393	0	0.22500E-02	103.3	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003394	0	0.22500E-02	141.0	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003395	0	0.22500E-02	-123.0	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003396	0	0.22500E-02	-85.3	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003397	0	0.22500E-02	-47.6	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003398	0	0.22500E-02	-9.9	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003399	0	0.22500E-02	27.9	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003400	0	0.22500E-02	65.6	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003401	0	0.22500E-02	103.3	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003402	0	0.22500E-02	141.0	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003403	0	0.22500E-02	-123.0	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003404	0	0.22500E-02	-85.3	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003405	0	0.22500E-02	-47.6	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003406	0	0.22500E-02	-9.9	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003407	0	0.22500E-02	27.9	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003408	0	0.22500E-02	65.6	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003409	0	0.22500E-02	103.3	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003410	0	0.22500E-02	141.0	61.0	0.0	5.00	17.54	0.00	HROFDY

*** I SCST3 - VERSI ON 02035 *** OAK HI LLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
 11: 30: 28
 PAGE 4

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SZ (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0003411	0	0.22500E-02	-123.0	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003412	0	0.22500E-02	-85.3	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003413	0	0.22500E-02	-47.6	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003414	0	0.22500E-02	-9.9	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003415	0	0.22500E-02	27.9	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003416	0	0.22500E-02	65.6	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003417	0	0.22500E-02	103.3	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003418	0	0.22500E-02	141.0	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003419	0	0.22500E-02	-123.0	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003420	0	0.22500E-02	-85.3	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003421	0	0.22500E-02	-47.6	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003422	0	0.22500E-02	-9.9	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003423	0	0.22500E-02	27.9	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003424	0	0.22500E-02	65.6	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003425	0	0.22500E-02	103.3	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003426	0	0.22500E-02	141.0	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003427	0	0.22500E-02	-123.0	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003428	0	0.22500E-02	-85.3	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003429	0	0.22500E-02	-47.6	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003430	0	0.22500E-02	-9.9	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003431	0	0.22500E-02	27.9	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003432	0	0.22500E-02	65.6	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003433	0	0.22500E-02	103.3	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003434	0	0.22500E-02	141.0	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003435	0	0.22500E-02	-123.0	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003436	0	0.22500E-02	-85.3	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003437	0	0.22500E-02	-47.6	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003438	0	0.22500E-02	-9.9	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003439	0	0.22500E-02	27.9	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003440	0	0.22500E-02	65.6	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003441	0	0.22500E-02	103.3	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003442	0	0.22500E-02	141.0	-19.0	0.0	5.00	17.54	0.00	HROFDY

*** I SCST3 - VERSI ON 02035 *** OAK HI LLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD X (METERS)	COORD Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORI ENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
AREA1	0	0.11000E-03	-133.0	-32.4	0.0	0.00	284.50	284.50	0.00	1.00	HROFDY

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	AREA1 , L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0003339, L0003340, L0003341, L0003342, L0003343, L0003344, L0003345, L0003346, L0003347, L0003348, L0003349, L0003350, L0003351, L0003352, L0003353, L0003354, L0003355, L0003356, L0003357, L0003358, L0003359, L0003360, L0003361, L0003362, L0003363, L0003364, L0003365,

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003434 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** ISCS T3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
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**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003436 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003437 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003438 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003439 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** ISCS T3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
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**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003441 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003442 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** ISCS T3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
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**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

*** DI SCRETE CARTESI AN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

(	151.5,	-51.8,	0.0,	2.0);	(	104.1,	-51.8,	0.0,	2.0);
(	56.8,	-51.8,	0.0,	2.0);	(	9.4,	-51.8,	0.0,	2.0);
(	-38.0,	-51.8,	0.0,	2.0);	(	-85.4,	-51.8,	0.0,	2.0);
(	-132.7,	-51.8,	0.0,	2.0);	(	151.5,	-81.8,	0.0,	2.0);
(	104.1,	-81.8,	0.0,	2.0);	(	56.8,	-81.8,	0.0,	2.0);
(	9.4,	-81.8,	0.0,	2.0);	(	-38.0,	-81.8,	0.0,	2.0);
(	-85.4,	-81.8,	0.0,	2.0);	(	-132.7,	-81.8,	0.0,	2.0);
(	186.9,	-117.2,	0.0,	2.0);	(	236.9,	-67.1,	0.0,	2.0);
(	151.5,	-131.9,	0.0,	2.0);	(	104.1,	-131.9,	0.0,	2.0);
(	56.8,	-131.9,	0.0,	2.0);	(	9.4,	-131.9,	0.0,	2.0);
(	-38.0,	-131.9,	0.0,	2.0);	(	-85.4,	-131.9,	0.0,	2.0);
(	-132.7,	-131.9,	0.0,	2.0);	(	186.9,	-217.2,	0.0,	2.0);
(	222.3,	-202.5,	0.0,	2.0);	(	257.7,	-187.8,	0.0,	2.0);
(	307.7,	-137.7,	0.0,	2.0);	(	322.3,	-102.3,	0.0,	2.0);
(	336.9,	-66.8,	0.0,	2.0);	(	151.5,	-231.9,	0.0,	2.0);
(	104.1,	-231.9,	0.0,	2.0);	(	56.8,	-231.9,	0.0,	2.0);
(	9.4,	-231.9,	0.0,	2.0);	(	-38.0,	-231.9,	0.0,	2.0);
(	-85.4,	-231.9,	0.0,	2.0);	(	-132.7,	-231.9,	0.0,	2.0);
(	190.8,	-515.5,	0.0,	2.0);	(	230.2,	-499.2,	0.0,	2.0);
(	269.5,	-482.9,	0.0,	2.0);	(	308.8,	-466.6,	0.0,	2.0);
(	348.1,	-450.3,	0.0,	2.0);	(	387.5,	-434.0,	0.0,	2.0);

(	426.8	-417.6	0.0	2.0);	(	466.1	-401.3	0.0	2.0);
(	521.7	-345.6	0.0	2.0);	(	537.9	-306.3	0.0	2.0);
(	554.1	-266.9	0.0	2.0);	(	570.4	-227.6	0.0	2.0);
(	586.6	-188.2	0.0	2.0);	(	602.8	-148.8	0.0	2.0);
(	619.0	-109.5	0.0	2.0);	(	635.3	-70.1	0.0	2.0);
(	151.5	-531.8	0.0	2.0);	(	104.1	-531.8	0.0	2.0);
(	56.8	-531.8	0.0	2.0);	(	9.4	-531.8	0.0	2.0);
(	-38.0	-531.8	0.0	2.0);	(	-85.4	-531.8	0.0	2.0);
(	-132.7	-531.8	0.0	2.0);	(	193.1	-1014.6	0.0	2.0);
(	234.8	-997.3	0.0	2.0);	(	276.4	-980.0	0.0	2.0);
(	318.1	-962.8	0.0	2.0);	(	359.7	-945.5	0.0	2.0);
(	401.4	-928.2	0.0	2.0);	(	443.0	-910.9	0.0	2.0);
(	484.6	-893.7	0.0	2.0);	(	526.3	-876.4	0.0	2.0);
(	567.9	-859.1	0.0	2.0);	(	609.5	-841.8	0.0	2.0);
(	651.2	-824.6	0.0	2.0);	(	692.8	-807.3	0.0	2.0);
(	734.5	-790.0	0.0	2.0);	(	776.1	-772.7	0.0	2.0);
(	817.8	-755.5	0.0	2.0);	(	876.6	-696.5	0.0	2.0);
(	893.8	-654.8	0.0	2.0);	(	910.9	-613.2	0.0	2.0);
(	928.1	-571.5	0.0	2.0);	(	945.3	-529.8	0.0	2.0);
(	962.5	-488.1	0.0	2.0);	(	979.7	-446.4	0.0	2.0);
(	996.9	-404.8	0.0	2.0);	(	1014.0	-363.1	0.0	2.0);
(1031.2	-321.4	0.0	2.0);	(1048.4	-279.7	0.0	2.0);
(1065.6	-238.1	0.0	2.0);	(1082.8	-196.4	0.0	2.0);
(1100.0	-154.7	0.0	2.0);	(1117.1	-113.0	0.0	2.0);

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HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION

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**MODELOPTS:
CONC

URBAN FLAT FLGPOL

NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(	1134.3	-71.3	0.0	2.0);	(	151.5	-1031.8	0.0	2.0);
(	104.1	-1031.8	0.0	2.0);	(	56.8	-1031.8	0.0	2.0);
(	9.4	-1031.8	0.0	2.0);	(	-38.0	-1031.8	0.0	2.0);
(	-85.4	-1031.8	0.0	2.0);	(	-132.7	-1031.8	0.0	2.0);
(	-152.7	-31.9	0.0	2.0);	(	-152.8	15.3	0.0	2.0);
(	-152.9	62.4	0.0	2.0);	(	-153.0	109.6	0.0	2.0);
(	-153.1	156.8	0.0	2.0);	(	-153.3	203.9	0.0	2.0);
(	-153.4	251.1	0.0	2.0);	(	-182.7	-32.0	0.0	2.0);
(	-182.8	15.2	0.0	2.0);	(	-182.9	62.4	0.0	2.0);
(	-183.0	109.5	0.0	2.0);	(	-183.1	156.7	0.0	2.0);
(	-183.3	203.9	0.0	2.0);	(	-183.4	251.0	0.0	2.0);
(	-218.1	-67.3	0.0	2.0);	(	-168.1	-117.2	0.0	2.0);
(	-232.7	-32.1	0.0	2.0);	(	-232.8	15.1	0.0	2.0);
(	-232.9	62.3	0.0	2.0);	(	-233.0	109.4	0.0	2.0);
(	-233.1	156.6	0.0	2.0);	(	-233.3	203.8	0.0	2.0);
(	-233.4	250.9	0.0	2.0);	(	-318.0	-67.6	0.0	2.0);
(	-303.4	-102.9	0.0	2.0);	(	-288.7	-138.1	0.0	2.0);
(	-238.7	-188.0	0.0	2.0);	(	-203.4	-202.6	0.0	2.0);
(	-168.1	-217.2	0.0	2.0);	(	-332.7	-32.3	0.0	2.0);
(	-332.8	14.9	0.0	2.0);	(	-332.9	62.0	0.0	2.0);
(	-333.0	109.2	0.0	2.0);	(	-333.1	156.4	0.0	2.0);
(	-333.3	203.6	0.0	2.0);	(	-333.4	250.7	0.0	2.0);
(	-616.4	-72.2	0.0	2.0);	(	-600.1	-111.4	0.0	2.0);
(	-583.8	-150.6	0.0	2.0);	(	-567.5	-189.8	0.0	2.0);
(	-551.2	-229.0	0.0	2.0);	(	-534.8	-268.2	0.0	2.0);
(	-518.5	-307.4	0.0	2.0);	(	-502.2	-346.6	0.0	2.0);
(	-446.7	-402.0	0.0	2.0);	(	-407.4	-418.3	0.0	2.0);
(	-368.2	-434.5	0.0	2.0);	(	-328.9	-450.7	0.0	2.0);
(	-289.7	-466.9	0.0	2.0);	(	-250.4	-483.2	0.0	2.0);
(	-211.2	-499.4	0.0	2.0);	(	-172.0	-515.6	0.0	2.0);
(	-632.7	-33.0	0.0	2.0);	(	-632.8	14.2	0.0	2.0);
(	-632.9	61.4	0.0	2.0);	(	-633.0	108.6	0.0	2.0);
(	-633.1	155.7	0.0	2.0);	(	-633.3	202.9	0.0	2.0);
(	-633.3	250.1	0.0	2.0);	(	-1115.4	-75.6	0.0	2.0);
(	-1098.2	-117.1	0.0	2.0);	(	-1080.9	-158.6	0.0	2.0);
(	-1063.6	-200.1	0.0	2.0);	(	-1046.4	-241.6	0.0	2.0);
(	-1029.1	-283.1	0.0	2.0);	(	-1011.8	-324.6	0.0	2.0);
(	-994.5	-366.1	0.0	2.0);	(	-977.3	-407.6	0.0	2.0);
(	-960.0	-449.1	0.0	2.0);	(	-942.7	-490.7	0.0	2.0);
(	-925.4	-532.2	0.0	2.0);	(	-908.2	-573.7	0.0	2.0);
(	-890.9	-615.2	0.0	2.0);	(	-873.6	-656.7	0.0	2.0);
(	-856.3	-698.2	0.0	2.0);	(	-797.5	-756.9	0.0	2.0);
(	-756.0	-774.1	0.0	2.0);	(	-714.4	-791.3	0.0	2.0);
(	-672.9	-808.5	0.0	2.0);	(	-631.3	-825.7	0.0	2.0);
(	-589.8	-842.8	0.0	2.0);	(	-548.2	-860.0	0.0	2.0);

*** ICSCT3 - VERSION 02035 *** *** OAK PM10

HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION

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**MODELOPTS:
CONC

URBAN FLAT FLGPOL

NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(	-506.7	-877.2	0.0	2.0);	(	-465.1	-894.4	0.0	2.0);
(	-423.6	-911.6	0.0	2.0);	(	-382.0	-928.8	0.0	2.0);
(	-340.5	-945.9	0.0	2.0);	(	-298.9	-963.1	0.0	2.0);
(	-257.4	-980.3	0.0	2.0);	(	-215.8	-997.5	0.0	2.0);
(	-174.3	-1014.7	0.0	2.0);	(	-1132.7	-34.0	0.0	2.0);
(	-1132.8	13.1	0.0	2.0);	(	-1132.9	60.3	0.0	2.0);
(	-1133.0	107.5	0.0	2.0);	(	-1133.1	154.6	0.0	2.0);
(	-1133.2	201.8	0.0	2.0);	(	-1133.3	249.0	0.0	2.0);
(	-1133.4	271.1	0.0	2.0);	(	-86.0	271.3	0.0	2.0);
(	-38.7	271.4	0.0	2.0);	(	8.7	271.5	0.0	2.0);
(	56.1	271.6	0.0	2.0);	(	103.5	271.7	0.0	2.0);
(	150.9	271.8	0.0	2.0);	(	-133.5	301.1	0.0	2.0);
(	-86.1	301.3	0.0	2.0);	(	-38.7	301.4	0.0	2.0);
(	8.7	301.5	0.0	2.0);	(	56.0	301.6	0.0	2.0);
(	103.4	301.7	0.0	2.0);	(	150.8	301.8	0.0	2.0);
(	-168.9	336.4	0.0	2.0);	(	-218.8	286.3	0.0	2.0);
(	-133.6	351.1	0.0	2.0);	(	-86.2	351.3	0.0	2.0);
(	-38.8	351.4	0.0	2.0);	(	8.6	351.5	0.0	2.0);
(	55.9	351.6	0.0	2.0);	(	103.3	351.7	0.0	2.0);
(	150.7	351.8	0.0	2.0);	(	-169.1	436.4	0.0	2.0);
(	-204.4	421.7	0.0	2.0);	(	-239.8	407.0	0.0	2.0);
(	-289.6	356.9	0.0	2.0);	(	-304.2	321.5	0.0	2.0);
(	-318.8	286.1	0.0	2.0);	(	-133.8	451.1	0.0	2.0);
(	-86.4	451.3	0.0	2.0);	(	-39.0	451.4	0.0	2.0);
(	8.3	451.5	0.0	2.0);	(	55.7	451.6	0.0	2.0);
(	103.1	451.7	0.0	2.0);	(	150.4	451.8	0.0	2.0);
(	-173.7	734.8	0.0	2.0);	(	-212.9	718.4	0.0	2.0);
(	-252.2	702.1	0.0	2.0);	(	-291.4	685.7	0.0	2.0);
(	-330.7	669.4	0.0	2.0);	(	-369.9	653.0	0.0	2.0);
(-409.2	636.7	0.0	2.0);	(-448.4	620.3	0.0	2.0);
(-503.9	564.6	0.0	2.0);	(-520.0	525.3	0.0	2.0);
(-536.2	486.0	0.0	2.0);	(-552.4	446.6	0.0	2.0);

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( -568.6, 407.3, 0.0, 2.0); ( -584.8, 368.0, 0.0, 2.0);
( -601.0, 328.7, 0.0, 2.0); ( -617.2, 289.4, 0.0, 2.0);
( -134.4, 751.2, 0.0, 2.0); ( -87.1, 751.3, 0.0, 2.0);
( -39.7, 751.4, 0.0, 2.0); ( 7.7, 751.5, 0.0, 2.0);
( 55.0, 751.6, 0.0, 2.0); ( 102.4, 751.7, 0.0, 2.0);
( 149.8, 751.8, 0.0, 2.0); ( -177.1, 1233.8, 0.0, 2.0);
( -218.6, 1216.5, 0.0, 2.0); ( -260.2, 1199.2, 0.0, 2.0);
( -301.8, 1181.9, 0.0, 2.0); ( -343.3, 1164.6, 0.0, 2.0);
( -384.9, 1147.2, 0.0, 2.0); ( -426.4, 1129.9, 0.0, 2.0);
( -468.0, 1112.6, 0.0, 2.0); ( -509.5, 1095.3, 0.0, 2.0);
( -551.1, 1077.9, 0.0, 2.0); ( -592.7, 1060.6, 0.0, 2.0);
( -634.2, 1043.3, 0.0, 2.0); ( -675.8, 1026.0, 0.0, 2.0);
( -717.3, 1008.7, 0.0, 2.0); ( -758.9, 991.3, 0.0, 2.0);
*** I SCST3 - VERSION 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** PM10 ***
**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

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( -800.4, 974.0, 0.0, 2.0); ( -859.1, 915.1, 0.0, 2.0);
( -876.3, 873.4, 0.0, 2.0); ( -893.4, 831.8, 0.0, 2.0);
( -910.5, 790.2, 0.0, 2.0); ( -927.7, 748.5, 0.0, 2.0);
( -944.8, 706.9, 0.0, 2.0); ( -962.0, 665.3, 0.0, 2.0);
( -979.1, 623.7, 0.0, 2.0); ( -996.2, 582.0, 0.0, 2.0);
( -1013.4, 540.4, 0.0, 2.0); ( -1030.5, 498.8, 0.0, 2.0);
( -1047.7, 457.1, 0.0, 2.0); ( -1064.8, 415.5, 0.0, 2.0);
( -1081.9, 373.9, 0.0, 2.0); ( -1099.1, 332.2, 0.0, 2.0);
( -1116.2, 290.6, 0.0, 2.0); ( -135.5, 1251.2, 0.0, 2.0);
( -88.2, 1251.3, 0.0, 2.0); ( -40.8, 1251.3, 0.0, 2.0);
( 6.6, 1251.5, 0.0, 2.0); ( 54.0, 1251.6, 0.0, 2.0);
( 101.3, 1251.7, 0.0, 2.0); ( 148.7, 1251.8, 0.0, 2.0);
( 170.9, 251.8, 0.0, 2.0); ( 171.0, 204.5, 0.0, 2.0);
( 171.1, 157.3, 0.0, 2.0); ( 171.2, 110.0, 0.0, 2.0);
( 171.3, 62.7, 0.0, 2.0); ( 171.4, 15.5, 0.0, 2.0);
( 171.5, -31.8, 0.0, 2.0); ( 200.9, 251.9, 0.0, 2.0);
( 201.0, 204.6, 0.0, 2.0); ( 201.1, 157.3, 0.0, 2.0);
( 201.2, 110.1, 0.0, 2.0); ( 201.3, 62.8, 0.0, 2.0);
( 201.4, 15.5, 0.0, 2.0); ( 201.5, -31.7, 0.0, 2.0);
( 236.2, 287.3, 0.0, 2.0); ( 186.1, 337.2, 0.0, 2.0);
( 250.9, 252.0, 0.0, 2.0); ( 251.0, 204.7, 0.0, 2.0);
( 251.1, 157.4, 0.0, 2.0); ( 251.2, 110.2, 0.0, 2.0);
( 251.3, 62.9, 0.0, 2.0); ( 251.4, 15.6, 0.0, 2.0);
( 251.5, -31.6, 0.0, 2.0); ( 336.2, 287.5, 0.0, 2.0);
( 321.5, 322.9, 0.0, 2.0); ( 306.7, 358.2, 0.0, 2.0);
( 256.6, 408.1, 0.0, 2.0); ( 221.2, 422.6, 0.0, 2.0);
( 185.8, 437.2, 0.0, 2.0); ( 350.9, 252.2, 0.0, 2.0);
( 351.0, 204.9, 0.0, 2.0); ( 351.1, 157.7, 0.0, 2.0);
( 351.2, 110.4, 0.0, 2.0); ( 351.3, 63.1, 0.0, 2.0);
( 351.4, 15.9, 0.0, 2.0); ( 351.5, -31.4, 0.0, 2.0);
( 634.5, 292.1, 0.0, 2.0); ( 618.2, 331.4, 0.0, 2.0);
( 601.8, 370.6, 0.0, 2.0); ( 585.5, 409.9, 0.0, 2.0);
( 569.1, 449.1, 0.0, 2.0); ( 552.7, 488.4, 0.0, 2.0);
( 536.4, 527.6, 0.0, 2.0); ( 520.0, 566.8, 0.0, 2.0);
( 464.4, 622.3, 0.0, 2.0); ( 425.0, 638.5, 0.0, 2.0);
( 385.7, 654.7, 0.0, 2.0); ( 346.4, 670.8, 0.0, 2.0);
( 307.1, 687.0, 0.0, 2.0); ( 267.8, 703.2, 0.0, 2.0);
( 228.4, 719.4, 0.0, 2.0); ( 189.1, 735.6, 0.0, 2.0);
( 650.9, 252.9, 0.0, 2.0); ( 651.0, 205.6, 0.0, 2.0);
( 651.1, 158.3, 0.0, 2.0); ( 651.2, 111.1, 0.0, 2.0);
( 651.3, 63.8, 0.0, 2.0); ( 651.4, 16.5, 0.0, 2.0);
( 651.5, -30.8, 0.0, 2.0); ( 1133.6, 295.5, 0.0, 2.0);
( 1116.3, 337.1, 0.0, 2.0); ( 1098.9, 378.6, 0.0, 2.0);
( 1081.6, 420.2, 0.0, 2.0); ( 1064.3, 461.7, 0.0, 2.0);
( 1047.0, 503.3, 0.0, 2.0); ( 1029.7, 544.8, 0.0, 2.0);
*** I SCST3 - VERSION 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** PM10 ***
**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

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( 1012.3, 586.4, 0.0, 2.0); ( 995.0, 628.0, 0.0, 2.0);
( 977.7, 669.5, 0.0, 2.0); ( 960.4, 711.1, 0.0, 2.0);
( 943.0, 752.6, 0.0, 2.0); ( 925.7, 794.2, 0.0, 2.0);
( 908.4, 835.8, 0.0, 2.0); ( 891.1, 877.3, 0.0, 2.0);
( 873.8, 918.9, 0.0, 2.0); ( 814.8, 977.6, 0.0, 2.0);
( 773.2, 994.7, 0.0, 2.0); ( 731.6, 1011.8, 0.0, 2.0);
( 689.9, 1029.0, 0.0, 2.0); ( 648.3, 1046.1, 0.0, 2.0);
( 606.7, 1063.3, 0.0, 2.0); ( 565.0, 1080.4, 0.0, 2.0);
( 523.4, 1097.5, 0.0, 2.0); ( 481.8, 1114.7, 0.0, 2.0);
( 440.1, 1131.8, 0.0, 2.0); ( 398.5, 1148.9, 0.0, 2.0);
( 356.9, 1166.1, 0.0, 2.0); ( 315.2, 1183.2, 0.0, 2.0);
( 273.6, 1200.3, 0.0, 2.0); ( 232.0, 1217.5, 0.0, 2.0);
( 190.3, 1234.6, 0.0, 2.0); ( 1150.9, 254.0, 0.0, 2.0);
( 1151.0, 206.7, 0.0, 2.0); ( 1151.1, 159.4, 0.0, 2.0);
( 1151.2, 112.2, 0.0, 2.0); ( 1151.3, 64.9, 0.0, 2.0);
( 1151.4, 17.6, 0.0, 2.0); ( 1151.5, -29.7, 0.0, 2.0);
( -133.4, 251.1, 0.0, 2.0); ( -132.7, -31.9, 0.0, 2.0);
( 151.5, -31.9, 0.0, 2.0); ( 150.9, 251.8, 0.0, 2.0);
*** I SCST3 - VERSION 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** PM10 ***
**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC

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* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	RECEPTOR XR (METERS)	LOCATION YR (METERS)	DISTANCE (METERS)
L0000001	-153.4	251.1	-5.72
L0000001	-133.4	271.1	-5.82
L0000001	-133.4	251.1	-23.21
L0000002	-86.0	271.3	-7.45
L0000003	-38.7	271.4	-6.07
L0000004	8.7	271.5	-2.03
L0000005	8.7	271.5	-1.74
L0000006	56.1	271.6	-5.72
L0000007	103.5	271.7	-7.04
L0000008	150.9	271.8	-5.40
L0000008	170.9	251.8	-5.93
L0000008	150.9	251.8	-23.09

YR	MN	DAY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MI XING RURAL	HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-O (M)	PCODE	PRATE (mm/HR)
81	01	01	01	292.3	1.00	284.3	7	522.6	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	02	282.4	0.00	284.3	7	507.0	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	03	287.5	0.00	283.1	7	491.4	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	04	301.0	0.00	283.1	7	475.8	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	05	286.5	0.00	282.6	7	460.3	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	06	297.0	0.00	283.1	7	444.7	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	07	297.0	0.00	285.4	6	1.4	170.7	0.0000	0.0	0.0000	0	0.00
81	01	01	08	314.6	1.00	287.6	5	47.0	192.0	0.0000	0.0	0.0000	0	0.00
81	01	01	09	299.0	1.00	289.8	4	92.5	213.3	0.0000	0.0	0.0000	0	0.00
81	01	01	10	54.2	1.34	291.5	3	138.0	234.7	0.0000	0.0	0.0000	0	0.00
81	01	01	11	89.1	1.79	294.3	3	183.5	256.0	0.0000	0.0	0.0000	0	0.00
81	01	01	12	103.1	1.34	297.6	2	229.0	277.3	0.0000	0.0	0.0000	0	0.00
81	01	01	13	87.2	1.34	298.7	2	274.5	298.7	0.0000	0.0	0.0000	0	0.00
81	01	01	14	124.2	1.79	299.8	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	15	134.8	2.24	299.3	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	16	98.2	2.24	298.7	4	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	17	110.1	2.24	295.4	5	325.6	318.5	0.0000	0.0	0.0000	0	0.00
81	01	01	18	210.1	1.00	291.5	6	357.2	310.3	0.0000	0.0	0.0000	0	0.00
81	01	01	19	268.0	1.00	289.8	7	388.8	302.1	0.0000	0.0	0.0000	0	0.00
81	01	01	20	303.2	1.00	287.0	7	420.4	293.9	0.0000	0.0	0.0000	0	0.00
81	01	01	21	291.1	1.34	286.5	7	452.0	285.7	0.0000	0.0	0.0000	0	0.00
81	01	01	22	294.5	1.34	287.0	7	483.5	277.4	0.0000	0.0	0.0000	0	0.00
81	01	01	23	293.2	0.00	285.9	7	515.1	269.2	0.0000	0.0	0.0000	0	0.00
81	01	01	24	292.2	0.00	285.4	7	546.7	261.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** ICSCT3 - VERSION 02035 *** ** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS:
CONC

URBAN FLAT FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
L0000007, L0000008, L0000339, L0000340, L0000341, L0000342, L0000343, L0000344, L0000345, L0000346, L0000347, L0000348,
L0000349, L0000350, L0000351, L0000352, L0000353, L0000354, L0000355, L0000356, L0000357, L0000358, L0000359,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **							
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
151.51	-51.85	300.69788	(81032924)	104.14	-51.85	380.18777	(81032924)
56.76	-51.85	377.65262	(81032924)	9.39	-51.85	360.90085	(81032924)
-37.98	-51.85	330.94284	(81032924)	-85.36	-51.85	271.57736	(81032924)
-132.73	-51.85	173.54462	(81030624)	151.51	-81.85	209.42085	(81032924)
104.14	-81.85	262.22772	(81032924)	56.76	-81.85	260.81882	(81032924)
9.39	-81.85	245.71759	(81032924)	-37.98	-81.85	217.99931	(81032924)
-85.36	-81.85	162.19533	(81032924)	-132.73	-81.85	116.52474	(81030624)
186.90	-117.17	121.74997	(81032924)	236.90	-67.06	117.00909	(81042424)
151.51	-131.85	143.19563	(81032924)	104.14	-131.85	174.02736	(81032924)
56.76	-131.85	174.04347	(81032924)	9.39	-131.85	159.26048	(81032924)
-37.98	-131.85	131.77843	(81032924)	-85.36	-131.85	92.46616	(81032924)
-132.73	-131.85	72.65308	(81030624)	186.90	-217.17	81.48898	(81032924)
222.30	-202.48	73.06162	(81032924)	257.69	-187.80	60.08084	(81032924)
307.69	-137.69	63.27641	(81042524)	322.30	-102.26	70.42506	(81041724)
336.90	-66.84	77.06046	(81112424)	151.51	-231.85	85.82090	(81032924)
104.14	-231.85	95.58370	(81032924)	56.76	-231.85	94.53950	(81032924)
9.39	-231.85	83.15043	(81032924)	-37.98	-231.85	67.40922	(81032924)
-85.36	-231.85	50.56124	(81032924)	-132.73	-231.85	35.52248	(81030624)
190.84	-515.54	27.35580	(81032924)	230.16	-499.22	28.58279	(81032924)
269.49	-482.91	29.45672	(81032924)	308.82	-466.59	29.46701	(81032924)
348.14	-450.28	28.43223	(81032924)	387.47	-433.96	26.25150	(81032924)
426.80	-417.65	22.85876	(81032924)	466.12	-401.33	19.32667	(81030724)
521.68	-345.65	20.13083	(81041324)	537.91	-306.29	22.67586	(81041724)
554.14	-266.93	26.22178	(81041724)	570.36	-227.57	28.24290	(81041724)
586.59	-188.21	28.46278	(81041724)	602.82	-148.84	31.09239	(81112424)
619.05	-109.48	33.96283	(81112424)	635.28	-70.12	34.63500	(81112424)
151.51	-531.85	26.31914	(81032924)	104.14	-531.85	27.00838	(81032924)
56.76	-531.85	27.38844	(81032924)	9.39	-531.85	26.63181	(81032924)
-37.98	-531.85	24.58275	(81032924)	-85.36	-531.85	21.49843	(81032924)
-132.73	-531.85	17.47538	(81032924)	193.15	-1014.58	8.67311	(81032924)
234.79	-997.30	9.04386	(81032924)	276.43	-980.03	9.42567	(81032924)
318.07	-962.75	9.74687	(81032924)	359.71	-945.48	9.97929	(81032924)
401.35	-928.20	10.14257	(81032924)	442.99	-910.93	10.29444	(81032924)
484.63	-893.65	10.48572	(81032924)	526.27	-876.38	10.70454	(81032924)
567.91	-859.10	10.87539	(81032924)	609.55	-841.83	10.86450	(81032924)
651.19	-824.56	10.54919	(81032924)	692.83	-807.28	9.86212	(81032924)
734.47	-790.01	8.82113	(81032924)	776.11	-772.73	7.93108	(81030724)
817.75	-755.46	7.28573	(81042324)	876.57	-696.51	7.26615	(81041324)
893.76	-654.83	7.49679	(81041324)	910.94	-613.15	8.37902	(81041724)
928.12	-571.47	9.50784	(81041724)	945.31	-529.80	10.35487	(81041724)

*** ICSCT3 - VERSION 02035 *** ** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS:
CONC

URBAN FLAT FLGPOL NOCALM

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
L0000007, L0000008, L0000339, L0000340, L0000341, L0000342, L0000343, L0000344, L0000345, L0000346, L0000347, L0000348,
L0000349, L0000350, L0000351, L0000352, L0000353, L0000354, L0000355, L0000356, L0000357, L0000358, L0000359,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM IN MICROGRAMS/M**3 **							
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
962.49	-488.12	10.85773	(81041724)	979.67	-446.44	11.00678	(81041724)
996.86	-404.76	10.83805	(81041724)	1014.04	-363.08	11.82591	(81123124)
1031.22	-321.41	12.23858	(81123124)	1048.41	-279.73	13.16225	(81112424)
1065.59	-238.05	13.78836	(81112424)	1082.77	-196.37	13.86065	(81112424)
1099.96	-154.70	13.40649	(81112424)	1117.14	-113.02	12.53140	(81112424)
1134.32	-71.34	12.70175	(81060224)	151.51	-1031.85	8.39030	(81032924)
104.14	-1031.85	8.53154	(81032924)	56.76	-1031.85	8.83313	(81032924)
9.39	-1031.85	9.19039	(81032924)	-37.98	-1031.85	9.42731	(81032924)
-85.36	-1031.85	9.36193	(81032924)	-132.73	-1031.85	8.87211	(81032924)
-152.73	-31.89	194.12366	(81123024)	-152.83	15.27	335.61166	(81123024)
-152.94	62.44	377.47766	(81123024)	-153.04	109.61	390.98068	(81123024)
-153.14	156.77	386.61850	(81123024)	-153.25	203.94	355.88220	(81123024)
-153.35	251.11	335.07858	(81122724)	-182.73	-31.96	137.70735	(81123024)
-182.83	15.21	209.01393	(81123024)	-182.94	62.37	249.32567	(81123024)
-183.04	109.54	263.12039	(81123024)	-183.14	156.71	259.25040	(81123024)

-183.25	203.87	238.83136	(81122724)	-183.35	251.04	231.42247	(81122724)
-218.05	-67.35	77.46830	(81123024)	-168.05	-117.24	74.23138	(81030624)
-232.73	-32.07	93.93024	(81123024)	-232.83	15.10	126.47964	(81123024)
-232.94	62.26	148.14854	(81123024)	-233.04	109.43	160.27222	(81123024)
-233.14	156.60	159.57671	(81123024)	-233.25	203.76	159.84288	(81122724)
-233.35	250.93	156.82158	(81122724)	-318.05	-67.57	50.53525	(81123024)
-303.36	-102.86	44.24556	(81123024)	-288.68	-138.14	38.43509	(81030624)
-238.68	-188.03	39.28120	(81030624)	-203.36	-202.64	40.00859	(81030624)
-168.05	-217.24	38.42392	(81030624)	-332.73	-32.29	54.43962	(81123024)
-332.83	14.88	65.71554	(81123024)	-332.94	62.05	74.24477	(81123024)
-333.04	109.21	77.17825	(81123024)	-333.14	156.38	78.63608	(81122724)
-333.25	203.55	89.93311	(81122724)	-333.35	250.71	92.90366	(81122724)
-616.41	-72.15	19.57976	(81123024)	-600.10	-111.36	19.31692	(81123024)
-583.78	-150.56	18.32447	(81123024)	-567.47	-189.77	16.57176	(81123024)
-551.15	-228.97	14.41630	(81123024)	-534.84	-268.18	13.30325	(81030624)
-518.53	-307.38	13.72943	(81030624)	-502.21	-346.59	13.56513	(81030624)
-446.66	-402.02	12.79054	(81030624)	-407.41	-418.25	12.54764	(81030624)
-368.17	-434.48	12.36604	(81030624)	-328.93	-450.71	12.29678	(81030624)
-289.69	-466.93	12.15909	(81030624)	-250.45	-483.16	11.78244	(81030624)
-211.21	-499.39	11.14682	(81030624)	-171.97	-515.62	13.78458	(81032924)
-632.73	-32.95	20.67538	(81011724)	-632.83	14.22	27.93526	(81011724)
-632.94	61.39	32.14869	(81011724)	-633.04	108.55	34.29558	(81011724)
-633.14	155.72	33.70218	(81011724)	-633.25	202.89	35.44256	(81120824)
-633.35	250.05	39.05604	(81120824)	-1115.45	-75.55	10.55263	(81011724)
-1098.18	-117.06	7.86453	(81030224)	-1080.90	-158.57	7.19681	(81123024)

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON *** 12/01/06
 *** PM10 *** 11: 30: 28
 *** *** PAGE 41

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC *** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 I NCLUDING SOURCE(S): AREA1 L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
 L0000339, L0000340, L00003341, L00003342, L00003343, L00003344, L00003345, L00003346, L00003357, L00003358, L00003348,
 L0000349, L0000350, L0000351, L0000352, L0000353, L0000354, L0000355, L0000356, L0000357, L0000358, L0000359, . . .

*** DI SCRETE CARTESI AN RECEPTOR POINTS ***

** CONC OF PM				I N MI CROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
-1063.63	-200.09	7.52192	(81123024)	-1046.36	-241.60	7.65557	(81123024)
-1029.08	-283.11	7.54100	(81123024)	-1011.81	-324.62	7.17109	(81123024)
-994.53	-366.13	6.58388	(81123024)	-977.26	-407.64	5.85714	(81123024)
-959.98	-449.15	5.17449	(81091624)	-942.71	-490.66	5.24058	(81091624)
-925.43	-532.18	4.95937	(81091624)	-908.16	-573.69	5.06566	(81030624)
-890.89	-615.20	5.26728	(81030624)	-873.61	-656.71	5.34957	(81030624)
-856.34	-698.22	5.27056	(81030624)	-839.06	-739.74	4.86127	(81030624)
-755.96	-774.10	4.58206	(81030624)	-797.51	-822.77	4.26234	(81030624)
-672.87	-808.46	3.99671	(81030624)	-755.91	-905.80	3.86290	(81030624)
-589.77	-842.83	3.89521	(81020924)	-714.42	-988.83	4.06058	(81030624)
-506.67	-877.20	4.28328	(81030624)	-673.33	-1071.86	4.46060	(81030624)
-423.57	-911.57	4.50747	(81030624)	-632.24	-1154.89	4.38684	(81030624)
-340.47	-945.93	4.10713	(81030624)	-591.15	-1237.92	4.50156	(81032924)
-257.38	-980.30	5.89115	(81032924)	-550.06	-1320.95	7.18500	(81032924)
-174.28	-1014.67	8.21728	(81032924)	-508.97	-1403.98	13.37613	(81011724)
-1132.83	13.13	15.82553	(81011724)	-467.88	-1487.01	16.92233	(81011724)
-1133.04	107.46	16.52679	(81011724)	-426.79	-1570.04	14.84295	(81011724)
-1133.24	201.79	16.26321	(81112724)	-385.70	-1653.07	16.53433	(81112724)
-133.39	271.15	268.54843	(81122724)	-344.61	-1736.10	287.84171	(81120124)
-38.65	271.36	297.69165	(81120124)	-303.52	-1819.13	284.56839	(81120124)
56.10	271.56	279.90067	(81051924)	-262.43	-1902.16	271.46	(81051924)
150.85	271.77	237.56645	(81102824)	-221.34	-1985.19	271.67	(81051924)
-86.09	301.25	188.72096	(81012724)	-180.25	-2068.22	301.15	(81030124)
8.66	301.46	188.54655	(81012724)	-139.16	-2151.25	301.36	(81012724)
103.41	301.67	173.72771	(81051924)	-98.07	-2234.28	196.59828	(81012724)
-168.89	336.43	114.96760	(81111524)	-57.08	-2317.31	183.71828	(81051924)
-133.57	351.15	102.25294	(81111524)	-16.09	-2400.34	158.69980	(81102824)
-38.82	351.36	126.89129	(81012724)	24.00	-2483.37	137.02121	(81122724)
55.93	351.56	112.98582	(81051924)	83.91	-2566.40	120.04261	(81012724)
150.67	351.77	97.48547	(81102824)	142.82	-2649.43	118.89668	(81012724)
-204.43	421.71	76.92999	(81111524)	201.73	-2732.46	107.25723	(81051924)
-289.65	356.87	77.07892	(81010924)	260.64	-2815.49	68.16795	(8111524)
-318.78	286.10	91.13718	(81122724)	319.55	-2898.52	76.59175	(8111524)
-86.41	451.25	60.77641	(81012724)	378.46	-2981.55	80.46371	(81122724)
8.33	451.46	62.13423	(81112624)	437.37	-3064.58	80.46371	(81122724)
103.08	451.67	63.18533	(81112624)	496.28	-3147.61	58.45816	(81012724)
-173.69	734.79	28.62350	(81031124)	555.19	-3230.64	61.46835	(81012724)
-252.19	702.08	26.84116	(81031124)	614.10	-3313.67	64.94854	(81112624)
-330.68	669.36	37.11000	(81111524)	673.01	-3396.70	51.93116	(81112624)
-409.18	636.65	36.65414	(81111524)	731.92	-3479.73	29.35222	(81031124)
				790.83	-3562.76	31.17758	(81111524)
				849.74	-3645.79	39.38213	(81111524)
				908.65	-3728.82	33.97972	(81022024)

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON *** 12/01/06
 *** PM10 *** 11: 30: 28
 *** *** PAGE 42

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC *** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 I NCLUDING SOURCE(S): AREA1 L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
 L0000339, L0000340, L00003341, L00003342, L00003343, L00003344, L00003345, L00003346, L00003357, L00003358, L00003348,
 L0000349, L0000350, L0000351, L0000352, L0000353, L0000354, L0000355, L0000356, L0000357, L0000358, L0000359, . . .

*** DI SCRETE CARTESI AN RECEPTOR POINTS ***

** CONC OF PM				I N MI CROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
-503.86	564.61	37.47886	(81021824)	-520.05	525.29	37.14747	(81010924)
-536.23	485.97	40.97119	(81112024)	-485.42	446.65	39.66175	(81113024)
-568.61	407.33	41.46242	(81122524)	-450.79	368.01	41.35586	(81120724)
-600.98	328.69	40.70186	(81011524)	-416.16	289.37	40.27166	(81120824)
-134.44	751.15	25.60177	(81031124)	-381.53	210.73	40.27166	(81120824)
-39.69	751.36	21.02547	(81031524)	-346.90	132.09	20.54683	(81031124)
55.05	751.56	27.85412	(81013024)	-312.27	43.45	24.36856	(81013024)
149.80	751.77	26.64903	(81013024)	-277.64	-45.19	28.59316	(81013024)
-218.65	1216.51	11.06617	(81031124)	-243.01	-126.53	28.59316	(81013024)
-301.76	1181.87	16.06229	(81031124)	-208.38	-207.87	8.78839	(81102924)
-384.87	1147.23	15.45613	(81031124)	-173.75	-289.21	14.04714	(81031124)
-467.99	1112.59	12.46004	(81102024)	-139.12	-370.55	16.59988	(81031124)
-551.10	1077.95	17.40418	(81111524)	-104.49	-451.89	12.84527	(81031124)
-634.22	1043.31	19.68742	(81111524)	-69.86	-533.23	12.14338	(81111524)
-717.33	1008.67	18.15823	(81021524)	-35.23	-614.57	19.40464	(81111524)
-800.44	974.03	17.00184	(81022024)	0.40	-695.91	18.27984	(81111524)
-876.28	873.44	18.39527	(81021824)	65.77	-777.25	16.72649	(81021524)
-910.55	790.18	18.78799	(81112024)	131.14	-858.59	18.35731	(81021824)
-944.83	706.92	20.84483	(81112024)	196.51	-939.93	17.10437	(81021824)
-979.11	623.65	21.26509	(81122524)	261.88	-1021.27	20.73292	(81112024)
-1013.38	540.39	21.64401	(81120724)	327.25	-1102.61	19.39221	(81113024)
-1047.66	457.12	20.32101	(81011524)	392.62	-1183.95	21.81924	(81112024)
-1081.93	373.86	21.45937	(81120824)	457.99	-1265.29	21.97178	(81011524)
-1116.21	290.59	17.22825	(81120824)	523.36	-1346.63	20.92845	(81120824)
				588.73	-1427.97	20.10769	(81120824)
				654.10	-1509.31	8.57031	(81031524)

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-88.16 1251.25 10.67152 (81031524) -40.78 1251.35 11.82113 (81031524)
6.59 1251.46 11.74715 (81031524) 53.96 1251.56 12.56381 (81013024)
101.34 1251.66 14.92817 (81013024) 148.71 1251.77 15.88023 (81013024)
170.89 251.81 279.44559 (81102824) 170.99 204.54 362.07397 (81060224)
171.10 157.27 377.83371 (81051424) 171.20 110.00 378.92154 (81051424)
171.30 62.73 368.62222 (81051424) 171.41 15.46 336.99857 (81051424)
171.51 -31.81 261.56003 (81112424) 200.89 251.88 191.49522 (81102824)
200.99 204.61 253.76363 (81060224) 201.10 157.34 272.81198 (81051424)
201.20 110.07 274.29410 (81051424) 201.30 62.80 263.39651 (81051424)
201.41 15.53 230.26289 (81051424) 201.51 -31.74 188.85326 (81112424)
236.17 287.31 126.89869 (81102824) 186.06 337.20 117.89252 (81102824)
250.89 251.99 120.03033 (81102824) 250.99 204.72 167.06082 (81060224)
251.10 157.45 188.15785 (81051424) 251.20 110.18 190.16267 (81051424)
251.30 62.91 178.38542 (81051424) 251.41 15.64 152.05899 (81112424)
251.51 -31.63 133.70961 (81112424) 336.17 287.53 66.68088 (81060124)
321.45 322.85 67.55408 (81102824) 306.72 358.18 70.35343 (81102824)
*** I SCST3 - VERSI ON 02035 *** *** OAK H I LLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***
*** PM10 ***

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC
12/01/06
11:30:28
PAGE 43

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
L0000007, L0000008, L0000339, L0000340, L0000341, L0000342, L0000343, L0000344, L0000345, L0000346, L0000347, L0000348,
L0000349, L0000350, L0000351, L0000352, L0000353, L0000354, L0000355, L0000356, L0000357, L0000358, L0000359, . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM				IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
256.62	408.07	75.25816	(81102824)	221.23	422.63	68.70123	(81102824)
185.84	437.20	57.35808	(81102824)	350.89	252.21	73.25182	(81051424)
350.99	204.94	95.48434	(81051424)	351.10	157.67	109.47308	(81051424)
351.20	110.40	111.56721	(81051424)	351.30	63.13	102.67179	(81051424)
351.41	15.86	91.55051	(81112424)	351.51	-31.41	85.06433	(81112424)
634.53	292.11	30.65264	(81060124)	618.17	331.36	31.32496	(81060124)
601.82	370.61	29.31097	(81060124)	585.46	409.85	24.77343	(81060124)
569.10	449.10	23.32530	(81052924)	552.74	488.35	23.86032	(81061224)
536.39	527.60	26.84934	(81061224)	520.03	566.85	27.80936	(81061224)
464.35	622.28	28.91296	(81102824)	425.03	638.47	32.80689	(81102824)
385.71	654.65	33.18895	(81102824)	346.39	670.84	30.31932	(81031824)
307.08	687.02	27.78465	(81031824)	267.76	703.21	22.71184	(81031824)
228.44	719.40	18.31061	(81112624)	189.12	735.58	22.34978	(81013024)
650.89	252.86	30.71270	(81051424)	650.99	205.59	33.78160	(81051424)
651.10	158.32	36.73310	(81060224)	651.20	111.05	39.21636	(81060224)
651.30	63.78	38.92297	(81060224)	651.41	16.51	35.75075	(81060224)
651.51	-30.76	33.25610	(81112424)	1133.57	295.51	12.25674	(81050524)
1116.25	337.07	11.38836	(81050524)	1098.93	378.63	11.68865	(81060124)
1081.61	420.18	12.77017	(81060124)	1064.29	461.74	13.25814	(81060124)
1046.97	503.30	13.04593	(81060124)	1029.65	544.85	12.14442	(81060124)
1012.33	586.41	10.68144	(81060124)	995.01	627.97	8.86781	(81060124)
977.69	669.52	9.86930	(81052924)	960.37	711.08	10.34251	(81052924)
943.05	752.64	10.16640	(81052924)	925.73	794.19	10.11177	(81061224)
908.41	835.75	11.15229	(81061224)	891.09	877.31	11.70292	(81061224)
873.77	918.86	11.69600	(81061224)	814.82	977.56	10.63721	(81061224)
773.19	994.70	12.09074	(81102824)	731.56	1011.83	14.75826	(81102824)
689.92	1028.97	16.62319	(81102824)	648.29	1046.11	17.06019	(81102824)
606.66	1063.25	16.49887	(81031824)	565.03	1080.39	16.35656	(81031824)
523.40	1097.52	14.56651	(81031824)	481.76	1114.66	11.63980	(81031824)
440.13	1131.80	8.29662	(81031824)	398.50	1148.94	6.26419	(81112624)
356.87	1166.08	6.80840	(81112624)	315.24	1183.22	7.81200	(81013024)
273.60	1200.35	11.06549	(81013024)	231.97	1217.49	13.85012	(81013024)
190.34	1234.63	15.55941	(81013024)	1150.89	253.96	12.62180	(81050524)
1150.99	206.69	13.03032	(81060224)	1151.09	159.42	14.16835	(81060224)
1151.20	112.15	14.83770	(81060224)	1151.30	64.88	14.95461	(81060224)
1151.40	17.61	14.51421	(81060224)	1151.51	-29.66	13.57701	(81060224)
-133.35	251.15	481.03934	(81122724)	-132.73	-31.85	255.42175	(81123024)
151.51	-31.85	413.89182	(81032924)	150.89	251.77	369.80579	(81102824)

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*** I SCST3 - VERSI ON 02035 *** *** OAK H I LLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***
*** PM10 ***

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC
12/01/06
11:30:28
PAGE 44

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*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

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** CONC OF PM				IN MICROGRAMS/M**3			
GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR	(XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID	
ALL HIGH	481.03934	ON 81122724	AT (-133.35,	251.15,	0.00,	2.00) DC NA	

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*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

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*** I SCST3 - VERSI ON 02035 *** *** OAK H I LLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***
*** PM10 ***

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC
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*** Message Summary : I SCST3 Model Execution ***
----- Summary of Total Messages -----
A Total of 0 Fatal Error Message(s)
A Total of 112 Warning Message(s)
A Total of 1398 Informational Message(s)
A Total of 1398 Calm Hours Identified

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***** FATAL ERROR MESSAGES *****
***** NONE *****

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***** WARNING MESSAGES *****
SO W320 349 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
SO W320 350 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
SO W320 351 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
SO W320 352 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
SO W320 353 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
SO W320 354 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
SO W320 355 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected
 **Model Is Setup For Calculation of Average CONCentration Values.
 -- SCAVENGING/DEPOSITION LOGIC --
 **Model Uses NO DRY DEPLETION. DDPLETE = F
 **Model Uses NO WET DEPLETION. WDPLETE = F
 **NO WET SCAVENGING Data Provided.
 **NO GAS DRY DEPOSITION Data Provided.
 **Model Does NOT Use GRIDDED TERRAIN Data for Depl etion Calcul ations

**Model Uses URBAN Dispersion.
 **Model Uses User-Speci fied Options:
 1. Final Plume Rise.
 2. Stack-tip Downwash.
 3. Buoyancy-induced Dispersion.
 4. Not Use Calms Processing Routine.
 5. Not Use Missing Data Processing Routine.
 6. Default Wind Profile Exponents.
 7. Default Vertical Potential Temperature Gradients.

**Model Assumes Receptors on FLAT Terrain.
 **Model Accepts FLAGPOLE Receptor Heights.
 **Model Calculates 1 Short Term Average(s) of: 24-HR
 **This Run Includes: 113 Source(s); 1 Source Group(s); and 396 Receptor(s)
 **The Model Assumes A Pollutant Type of: PM_25
 **Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
 Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plott ing (PLOTFILE Keyword)
 **Misc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 1.3 MB of RAM.

**Input Runstream File: TMP0001_.TMP
 **Output Print File: 1890_25.OUT
 *** 1SCST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
 *** PM2.5 ***

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0000001	0	0.20000E-02	-123.0	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000002	0	0.20000E-02	-85.3	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000003	0	0.20000E-02	-47.6	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000004	0	0.20000E-02	-9.9	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000005	0	0.20000E-02	27.9	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000006	0	0.20000E-02	65.6	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000007	0	0.20000E-02	103.3	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000008	0	0.20000E-02	141.0	241.0	0.0	5.00	17.54	0.00	HROFDY
L0003003	0	0.20000E-02	-123.0	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003004	0	0.20000E-02	-85.3	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003005	0	0.20000E-02	-47.6	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003006	0	0.20000E-02	-9.9	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003007	0	0.20000E-02	27.9	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003008	0	0.20000E-02	65.6	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003009	0	0.20000E-02	103.3	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003010	0	0.20000E-02	141.0	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003011	0	0.20000E-02	-123.0	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003012	0	0.20000E-02	-85.3	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003013	0	0.20000E-02	-47.6	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003014	0	0.20000E-02	-9.9	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003015	0	0.20000E-02	27.9	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003016	0	0.20000E-02	65.6	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003017	0	0.20000E-02	103.3	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003018	0	0.20000E-02	141.0	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003019	0	0.20000E-02	-123.0	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003020	0	0.20000E-02	-85.3	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003021	0	0.20000E-02	-47.6	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003022	0	0.20000E-02	-9.9	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003023	0	0.20000E-02	27.9	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003024	0	0.20000E-02	65.6	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003025	0	0.20000E-02	103.3	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003026	0	0.20000E-02	141.0	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003027	0	0.20000E-02	-123.0	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003028	0	0.20000E-02	-85.3	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003029	0	0.20000E-02	-47.6	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003030	0	0.20000E-02	-9.9	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003031	0	0.20000E-02	27.9	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003032	0	0.20000E-02	65.6	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003033	0	0.20000E-02	103.3	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003034	0	0.20000E-02	141.0	161.0	0.0	5.00	17.54	0.00	HROFDY

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
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L0003035	0	0.2000E-02	-123.0	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003036	0	0.2000E-02	-85.3	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003037	0	0.2000E-02	-47.6	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003038	0	0.2000E-02	-9.9	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003039	0	0.2000E-02	27.9	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003040	0	0.2000E-02	65.6	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003041	0	0.2000E-02	103.3	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003042	0	0.2000E-02	141.0	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003043	0	0.2000E-02	-123.0	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003044	0	0.2000E-02	-85.3	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003045	0	0.2000E-02	-47.6	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003046	0	0.2000E-02	-9.9	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003047	0	0.2000E-02	27.9	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003048	0	0.2000E-02	65.6	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003049	0	0.2000E-02	103.3	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003050	0	0.2000E-02	141.0	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003051	0	0.2000E-02	-123.0	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003052	0	0.2000E-02	-85.3	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003053	0	0.2000E-02	-47.6	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003054	0	0.2000E-02	-9.9	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003055	0	0.2000E-02	27.9	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003056	0	0.2000E-02	65.6	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003057	0	0.2000E-02	103.3	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003058	0	0.2000E-02	141.0	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003059	0	0.2000E-02	-123.0	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003060	0	0.2000E-02	-85.3	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003061	0	0.2000E-02	-47.6	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003062	0	0.2000E-02	-9.9	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003063	0	0.2000E-02	27.9	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003064	0	0.2000E-02	65.6	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003065	0	0.2000E-02	103.3	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003066	0	0.2000E-02	141.0	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003067	0	0.2000E-02	-123.0	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003068	0	0.2000E-02	-85.3	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003069	0	0.2000E-02	-47.6	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003070	0	0.2000E-02	-9.9	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003071	0	0.2000E-02	27.9	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003072	0	0.2000E-02	65.6	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003073	0	0.2000E-02	103.3	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003074	0	0.2000E-02	141.0	61.0	0.0	5.00	17.54	0.00	HROFDY

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION *** 12/01/06
 *** PM2.5 *** PAGE 4

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SZ (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0003075	0	0.2000E-02	-123.0	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003076	0	0.2000E-02	-85.3	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003077	0	0.2000E-02	-47.6	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003078	0	0.2000E-02	-9.9	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003079	0	0.2000E-02	27.9	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003080	0	0.2000E-02	65.6	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003081	0	0.2000E-02	103.3	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003082	0	0.2000E-02	141.0	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003083	0	0.2000E-02	-123.0	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003084	0	0.2000E-02	-85.3	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003085	0	0.2000E-02	-47.6	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003086	0	0.2000E-02	-9.9	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003087	0	0.2000E-02	27.9	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003088	0	0.2000E-02	65.6	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003089	0	0.2000E-02	103.3	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003090	0	0.2000E-02	141.0	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003091	0	0.2000E-02	-123.0	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003092	0	0.2000E-02	-85.3	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003093	0	0.2000E-02	-47.6	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003094	0	0.2000E-02	-9.9	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003095	0	0.2000E-02	27.9	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003096	0	0.2000E-02	65.6	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003097	0	0.2000E-02	103.3	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003098	0	0.2000E-02	141.0	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003099	0	0.2000E-02	-123.0	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003100	0	0.2000E-02	-85.3	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003101	0	0.2000E-02	-47.6	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003102	0	0.2000E-02	-9.9	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003103	0	0.2000E-02	27.9	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003104	0	0.2000E-02	65.6	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003105	0	0.2000E-02	103.3	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003106	0	0.2000E-02	141.0	-19.0	0.0	5.00	17.54	0.00	HROFDY

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION *** 12/01/06
 *** PM2.5 *** PAGE 5

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD X (METERS)	COORD Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORI ENT. OF AREA (DEG.)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
AREA1	0	0.2200E-04	-133.0	-32.4	0.0	0.00	284.50	284.50	0.00	1.00	HROFDY

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION *** 12/01/06
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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	AREA1 , L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0003003, L0003004, L0003005, L0003006, L0003007, L0003008, L0003009, L0003010, L0003011, L0003012, L0003013, L0003014, L0003015, L0003016, L0003017, L0003018, L0003019, L0003020, L0003021, L0003022, L0003023, L0003024, L0003025, L0003026, L0003027, L0003028, L0003029,

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003098 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** 1CSST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION *** 12/01/06
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**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003100 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003101 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003102 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003103 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** 1CSST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION *** 12/01/06
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**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL	HR	SCAL
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003105 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

SOURCE_ID = L0003106 ; SOURCE_TYPE = VOLUME ;

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.00000E+00
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	.10000E+01
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	.00000E+00
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	.00000E+00

*** 1CSST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION *** 12/01/06
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**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

(	151.5,	-51.8,	0.0,	2.0);	(	104.1,	-51.8,	0.0,	2.0);
(	56.8,	-51.8,	0.0,	2.0);	(	9.4,	-51.8,	0.0,	2.0);
(	-38.0,	-51.8,	0.0,	2.0);	(	-85.4,	-51.8,	0.0,	2.0);
(	-132.7,	-51.8,	0.0,	2.0);	(	151.5,	-81.8,	0.0,	2.0);
(	104.1,	-81.8,	0.0,	2.0);	(	56.8,	-81.8,	0.0,	2.0);
(	9.4,	-81.8,	0.0,	2.0);	(	-38.0,	-81.8,	0.0,	2.0);
(	-85.4,	-81.8,	0.0,	2.0);	(	-132.7,	-81.8,	0.0,	2.0);
(	186.9,	-117.2,	0.0,	2.0);	(	236.9,	-67.1,	0.0,	2.0);
(	151.5,	-131.9,	0.0,	2.0);	(	104.1,	-131.9,	0.0,	2.0);
(	56.8,	-131.9,	0.0,	2.0);	(	9.4,	-131.9,	0.0,	2.0);
(	-38.0,	-131.9,	0.0,	2.0);	(	-85.4,	-131.9,	0.0,	2.0);
(	-132.7,	-131.9,	0.0,	2.0);	(	186.9,	-217.2,	0.0,	2.0);
(	222.3,	-202.5,	0.0,	2.0);	(	257.7,	-187.8,	0.0,	2.0);
(	307.7,	-137.7,	0.0,	2.0);	(	322.3,	-102.3,	0.0,	2.0);
(	336.9,	-66.8,	0.0,	2.0);	(	151.5,	-231.9,	0.0,	2.0);
(	104.1,	-231.9,	0.0,	2.0);	(	56.8,	-231.9,	0.0,	2.0);
(	9.4,	-231.9,	0.0,	2.0);	(	-38.0,	-231.9,	0.0,	2.0);
(	-85.4,	-231.9,	0.0,	2.0);	(	-132.7,	-231.9,	0.0,	2.0);
(	190.8,	-515.5,	0.0,	2.0);	(	230.2,	-499.2,	0.0,	2.0);
(	269.5,	-482.9,	0.0,	2.0);	(	308.8,	-466.6,	0.0,	2.0);
(	348.1,	-450.3,	0.0,	2.0);	(	387.5,	-434.0,	0.0,	2.0);

(426.8, -417.6, 0.0, 2.0);	(466.1, -401.3, 0.0, 2.0);
(521.7, -345.6, 0.0, 2.0);	(537.9, -306.3, 0.0, 2.0);
(554.1, -266.9, 0.0, 2.0);	(570.4, -227.6, 0.0, 2.0);
(586.6, -188.2, 0.0, 2.0);	(602.8, -148.8, 0.0, 2.0);
(619.0, -109.5, 0.0, 2.0);	(635.3, -70.1, 0.0, 2.0);
(151.5, -531.8, 0.0, 2.0);	(104.1, -531.8, 0.0, 2.0);
(56.8, -531.8, 0.0, 2.0);	(9.4, -531.8, 0.0, 2.0);
(-38.0, -531.8, 0.0, 2.0);	(-85.4, -531.8, 0.0, 2.0);
(-132.7, -531.8, 0.0, 2.0);	(193.1, -1014.6, 0.0, 2.0);
(234.8, -997.3, 0.0, 2.0);	(276.4, -980.0, 0.0, 2.0);
(318.1, -962.8, 0.0, 2.0);	(359.7, -945.5, 0.0, 2.0);
(401.4, -928.2, 0.0, 2.0);	(443.0, -910.9, 0.0, 2.0);
(484.6, -893.7, 0.0, 2.0);	(526.3, -876.4, 0.0, 2.0);
(567.9, -859.1, 0.0, 2.0);	(609.5, -841.8, 0.0, 2.0);
(651.2, -824.6, 0.0, 2.0);	(692.8, -807.3, 0.0, 2.0);
(734.5, -790.0, 0.0, 2.0);	(776.1, -772.7, 0.0, 2.0);
(817.8, -755.5, 0.0, 2.0);	(876.6, -696.5, 0.0, 2.0);
(893.8, -654.8, 0.0, 2.0);	(910.9, -613.2, 0.0, 2.0);
(928.1, -571.5, 0.0, 2.0);	(945.3, -529.8, 0.0, 2.0);
(962.5, -488.1, 0.0, 2.0);	(979.7, -446.4, 0.0, 2.0);
(996.9, -404.8, 0.0, 2.0);	(1014.0, -363.1, 0.0, 2.0);
(1031.2, -321.4, 0.0, 2.0);	(1048.4, -279.7, 0.0, 2.0);
(1065.6, -238.1, 0.0, 2.0);	(1082.8, -196.4, 0.0, 2.0);
(1100.0, -154.7, 0.0, 2.0);	(1117.1, -113.0, 0.0, 2.0);

*** ICSCT3 - VERSION 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
 *** PM2.5 ***

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*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

(1134.3, -71.3, 0.0, 2.0);	(151.5, -1031.8, 0.0, 2.0);
(104.1, -1031.8, 0.0, 2.0);	(56.8, -1031.8, 0.0, 2.0);
(9.4, -1031.8, 0.0, 2.0);	(-38.0, -1031.8, 0.0, 2.0);
(-85.4, -1031.8, 0.0, 2.0);	(-132.7, -1031.8, 0.0, 2.0);
(-152.7, -31.9, 0.0, 2.0);	(-152.8, 15.3, 0.0, 2.0);
(-152.9, 62.4, 0.0, 2.0);	(-153.0, 109.6, 0.0, 2.0);
(-153.1, 156.8, 0.0, 2.0);	(-153.3, 203.9, 0.0, 2.0);
(-153.4, 251.1, 0.0, 2.0);	(-182.7, -32.0, 0.0, 2.0);
(-182.8, 15.2, 0.0, 2.0);	(-182.9, 62.4, 0.0, 2.0);
(-183.0, 109.5, 0.0, 2.0);	(-183.1, 156.7, 0.0, 2.0);
(-183.3, 203.9, 0.0, 2.0);	(-183.4, 251.0, 0.0, 2.0);
(-218.1, -67.3, 0.0, 2.0);	(-168.1, -117.2, 0.0, 2.0);
(-232.7, -32.1, 0.0, 2.0);	(-232.8, 15.1, 0.0, 2.0);
(-232.9, 62.3, 0.0, 2.0);	(-233.0, 109.4, 0.0, 2.0);
(-233.1, 156.6, 0.0, 2.0);	(-233.3, 203.8, 0.0, 2.0);
(-233.4, 250.9, 0.0, 2.0);	(-318.0, -67.6, 0.0, 2.0);
(-303.4, -102.9, 0.0, 2.0);	(-288.7, -138.1, 0.0, 2.0);
(-238.7, -188.0, 0.0, 2.0);	(-203.4, -202.6, 0.0, 2.0);
(-168.1, -217.2, 0.0, 2.0);	(-332.7, -32.3, 0.0, 2.0);
(-332.8, 14.9, 0.0, 2.0);	(-332.9, 62.0, 0.0, 2.0);
(-333.0, 109.2, 0.0, 2.0);	(-333.1, 156.4, 0.0, 2.0);
(-333.3, 203.6, 0.0, 2.0);	(-333.4, 250.7, 0.0, 2.0);
(-616.4, -72.2, 0.0, 2.0);	(-600.1, -111.4, 0.0, 2.0);
(-583.8, -150.6, 0.0, 2.0);	(-567.5, -189.8, 0.0, 2.0);
(-551.2, -229.0, 0.0, 2.0);	(-534.8, -268.2, 0.0, 2.0);
(-518.5, -307.4, 0.0, 2.0);	(-502.2, -346.6, 0.0, 2.0);
(-446.7, -402.0, 0.0, 2.0);	(-407.4, -418.3, 0.0, 2.0);
(-368.2, -434.5, 0.0, 2.0);	(-328.9, -450.7, 0.0, 2.0);
(-289.7, -466.9, 0.0, 2.0);	(-250.4, -483.2, 0.0, 2.0);
(-211.2, -499.4, 0.0, 2.0);	(-172.0, -515.6, 0.0, 2.0);
(-632.7, -33.0, 0.0, 2.0);	(-632.8, 14.2, 0.0, 2.0);
(-632.9, 61.4, 0.0, 2.0);	(-633.0, 108.6, 0.0, 2.0);
(-633.1, 155.7, 0.0, 2.0);	(-633.3, 202.9, 0.0, 2.0);
(-633.3, 250.1, 0.0, 2.0);	(-1115.4, -75.6, 0.0, 2.0);
(-1098.2, -117.1, 0.0, 2.0);	(-1080.9, -158.6, 0.0, 2.0);
(-1063.6, -200.1, 0.0, 2.0);	(-1046.4, -241.6, 0.0, 2.0);
(-1029.1, -283.1, 0.0, 2.0);	(-1011.8, -324.6, 0.0, 2.0);
(-994.5, -366.1, 0.0, 2.0);	(-977.3, -407.6, 0.0, 2.0);
(-960.0, -449.1, 0.0, 2.0);	(-942.7, -490.7, 0.0, 2.0);
(-925.4, -532.2, 0.0, 2.0);	(-908.2, -573.7, 0.0, 2.0);
(-890.9, -615.2, 0.0, 2.0);	(-873.6, -656.7, 0.0, 2.0);
(-856.3, -698.2, 0.0, 2.0);	(-797.5, -756.9, 0.0, 2.0);
(-756.0, -774.1, 0.0, 2.0);	(-714.4, -791.3, 0.0, 2.0);
(-672.9, -808.5, 0.0, 2.0);	(-631.3, -825.7, 0.0, 2.0);
(-589.8, -842.8, 0.0, 2.0);	(-548.2, -860.0, 0.0, 2.0);

*** ICSCT3 - VERSION 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
 *** PM2.5 ***

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
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*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

(-506.7, -877.2, 0.0, 2.0);	(-465.1, -894.4, 0.0, 2.0);
(-423.6, -911.6, 0.0, 2.0);	(-382.0, -928.8, 0.0, 2.0);
(-340.5, -945.9, 0.0, 2.0);	(-298.9, -963.1, 0.0, 2.0);
(-257.4, -980.3, 0.0, 2.0);	(-215.8, -997.5, 0.0, 2.0);
(-174.3, -1014.7, 0.0, 2.0);	(-132.7, -34.0, 0.0, 2.0);
(-1132.8, 13.1, 0.0, 2.0);	(-1132.9, 60.3, 0.0, 2.0);
(-1133.0, 107.5, 0.0, 2.0);	(-1133.1, 154.6, 0.0, 2.0);
(-1133.2, 201.8, 0.0, 2.0);	(-1133.3, 249.0, 0.0, 2.0);
(-133.4, 271.1, 0.0, 2.0);	(-86.0, 271.3, 0.0, 2.0);
(-38.7, 271.4, 0.0, 2.0);	(8.7, 271.5, 0.0, 2.0);
(56.1, 271.6, 0.0, 2.0);	(103.5, 271.7, 0.0, 2.0);
(150.9, 271.8, 0.0, 2.0);	(-133.5, 301.1, 0.0, 2.0);
(-86.1, 301.3, 0.0, 2.0);	(-38.7, 301.4, 0.0, 2.0);
(8.7, 301.5, 0.0, 2.0);	(56.0, 301.6, 0.0, 2.0);
(103.4, 301.7, 0.0, 2.0);	(150.8, 301.8, 0.0, 2.0);
(-168.9, 336.4, 0.0, 2.0);	(-218.8, 286.3, 0.0, 2.0);
(-133.6, 351.1, 0.0, 2.0);	(-86.2, 351.3, 0.0, 2.0);
(-38.8, 351.4, 0.0, 2.0);	(8.6, 351.5, 0.0, 2.0);
(55.9, 351.6, 0.0, 2.0);	(103.3, 351.7, 0.0, 2.0);
(150.7, 351.8, 0.0, 2.0);	(-169.1, 436.4, 0.0, 2.0);
(-204.4, 421.7, 0.0, 2.0);	(-239.8, 407.0, 0.0, 2.0);
(-289.6, 356.9, 0.0, 2.0);	(-304.2, 321.5, 0.0, 2.0);
(-318.8, 286.1, 0.0, 2.0);	(-133.8, 451.1, 0.0, 2.0);
(-86.4, 451.3, 0.0, 2.0);	(-39.0, 451.4, 0.0, 2.0);
(8.3, 451.5, 0.0, 2.0);	(55.7, 451.6, 0.0, 2.0);
(103.1, 451.7, 0.0, 2.0);	(150.4, 451.8, 0.0, 2.0);
(-173.7, 734.8, 0.0, 2.0);	(-212.9, 718.4, 0.0, 2.0);
(-252.2, 702.1, 0.0, 2.0);	(-291.4, 685.7, 0.0, 2.0);
(-330.7, 669.4, 0.0, 2.0);	(-369.9, 653.0, 0.0, 2.0);
(-409.2, 636.7, 0.0, 2.0);	(-448.4, 620.3, 0.0, 2.0);
(-503.9, 564.6, 0.0, 2.0);	(-520.0, 525.3, 0.0, 2.0);
(-536.2, 486.0, 0.0, 2.0);	(-552.4, 446.6, 0.0, 2.0);


```

( -568.6, 407.3, 0.0, 2.0); ( -584.8, 368.0, 0.0, 2.0);
( -601.0, 328.7, 0.0, 2.0); ( -617.2, 289.4, 0.0, 2.0);
( -134.4, 751.2, 0.0, 2.0); ( -87.1, 751.3, 0.0, 2.0);
( -39.7, 751.4, 0.0, 2.0); ( 7.7, 751.5, 0.0, 2.0);
( 55.0, 751.6, 0.0, 2.0); ( 102.4, 751.7, 0.0, 2.0);
( 149.8, 751.8, 0.0, 2.0); ( -177.1, 1233.8, 0.0, 2.0);
( -218.6, 1216.5, 0.0, 2.0); ( -260.2, 1199.2, 0.0, 2.0);
( -301.8, 1181.9, 0.0, 2.0); ( -343.3, 1164.6, 0.0, 2.0);
( -384.9, 1147.2, 0.0, 2.0); ( -426.4, 1129.9, 0.0, 2.0);
( -468.0, 1112.6, 0.0, 2.0); ( -509.5, 1095.3, 0.0, 2.0);
( -551.1, 1077.9, 0.0, 2.0); ( -592.7, 1060.6, 0.0, 2.0);
( -634.2, 1043.3, 0.0, 2.0); ( -675.8, 1026.0, 0.0, 2.0);
( -717.3, 1008.7, 0.0, 2.0); ( -758.9, 991.3, 0.0, 2.0);
*** I SCST3 - VERSION 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** PM2.5 ***

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

```

( -800.4, 974.0, 0.0, 2.0); ( -859.1, 915.1, 0.0, 2.0);
( -876.3, 873.4, 0.0, 2.0); ( -893.4, 831.8, 0.0, 2.0);
( -910.5, 790.2, 0.0, 2.0); ( -927.7, 748.5, 0.0, 2.0);
( -944.8, 706.9, 0.0, 2.0); ( -962.0, 665.3, 0.0, 2.0);
( -979.1, 623.7, 0.0, 2.0); ( -996.2, 582.0, 0.0, 2.0);
( -1013.4, 540.4, 0.0, 2.0); ( -1030.5, 498.8, 0.0, 2.0);
( -1047.7, 457.1, 0.0, 2.0); ( -1064.8, 415.5, 0.0, 2.0);
( -1081.9, 373.9, 0.0, 2.0); ( -1099.1, 332.2, 0.0, 2.0);
( -1116.2, 290.6, 0.0, 2.0); ( -135.5, 1251.2, 0.0, 2.0);
( -88.2, 1251.3, 0.0, 2.0); ( -40.8, 1251.3, 0.0, 2.0);
( 6.6, 1251.5, 0.0, 2.0); ( 54.0, 1251.6, 0.0, 2.0);
( 101.3, 1251.7, 0.0, 2.0); ( 148.7, 1251.8, 0.0, 2.0);
( 170.9, 251.8, 0.0, 2.0); ( 171.0, 204.5, 0.0, 2.0);
( 171.1, 157.3, 0.0, 2.0); ( 171.2, 110.0, 0.0, 2.0);
( 171.3, 62.7, 0.0, 2.0); ( 171.4, 15.5, 0.0, 2.0);
( 171.5, -31.8, 0.0, 2.0); ( 200.9, 251.9, 0.0, 2.0);
( 201.0, 204.6, 0.0, 2.0); ( 201.1, 157.3, 0.0, 2.0);
( 201.2, 110.1, 0.0, 2.0); ( 201.3, 62.8, 0.0, 2.0);
( 201.4, 15.5, 0.0, 2.0); ( 201.5, -31.7, 0.0, 2.0);
( 236.2, 287.3, 0.0, 2.0); ( 186.1, 337.2, 0.0, 2.0);
( 250.9, 252.0, 0.0, 2.0); ( 251.0, 204.7, 0.0, 2.0);
( 251.1, 157.4, 0.0, 2.0); ( 251.2, 110.2, 0.0, 2.0);
( 251.3, 62.9, 0.0, 2.0); ( 251.4, 15.6, 0.0, 2.0);
( 251.5, -31.6, 0.0, 2.0); ( 336.2, 287.5, 0.0, 2.0);
( 321.5, 322.9, 0.0, 2.0); ( 306.7, 358.2, 0.0, 2.0);
( 256.6, 408.1, 0.0, 2.0); ( 221.2, 422.6, 0.0, 2.0);
( 185.8, 437.2, 0.0, 2.0); ( 350.9, 252.2, 0.0, 2.0);
( 351.0, 204.9, 0.0, 2.0); ( 351.1, 157.7, 0.0, 2.0);
( 351.2, 110.4, 0.0, 2.0); ( 351.3, 63.1, 0.0, 2.0);
( 351.4, 15.9, 0.0, 2.0); ( 351.5, -31.4, 0.0, 2.0);
( 634.5, 292.1, 0.0, 2.0); ( 618.2, 331.4, 0.0, 2.0);
( 601.8, 370.6, 0.0, 2.0); ( 585.5, 409.9, 0.0, 2.0);
( 569.1, 449.1, 0.0, 2.0); ( 552.7, 488.4, 0.0, 2.0);
( 536.4, 527.6, 0.0, 2.0); ( 520.0, 566.8, 0.0, 2.0);
( 464.4, 622.3, 0.0, 2.0); ( 425.0, 638.5, 0.0, 2.0);
( 385.7, 654.7, 0.0, 2.0); ( 346.4, 670.8, 0.0, 2.0);
( 307.1, 687.0, 0.0, 2.0); ( 267.8, 703.2, 0.0, 2.0);
( 228.4, 719.4, 0.0, 2.0); ( 189.1, 735.6, 0.0, 2.0);
( 650.9, 252.9, 0.0, 2.0); ( 651.0, 205.6, 0.0, 2.0);
( 651.1, 158.3, 0.0, 2.0); ( 651.2, 111.1, 0.0, 2.0);
( 651.3, 63.8, 0.0, 2.0); ( 651.4, 16.5, 0.0, 2.0);
( 651.5, -30.8, 0.0, 2.0); ( 1133.6, 295.5, 0.0, 2.0);
( 1116.3, 337.1, 0.0, 2.0); ( 1098.9, 378.6, 0.0, 2.0);
( 1081.6, 420.2, 0.0, 2.0); ( 1064.3, 461.7, 0.0, 2.0);
( 1047.0, 503.3, 0.0, 2.0); ( 1029.7, 544.8, 0.0, 2.0);
*** I SCST3 - VERSION 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** PM2.5 ***

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

```

( 1012.3, 586.4, 0.0, 2.0); ( 995.0, 628.0, 0.0, 2.0);
( 977.7, 669.5, 0.0, 2.0); ( 960.4, 711.1, 0.0, 2.0);
( 943.0, 752.6, 0.0, 2.0); ( 925.7, 794.2, 0.0, 2.0);
( 908.4, 835.8, 0.0, 2.0); ( 891.1, 877.3, 0.0, 2.0);
( 873.8, 918.9, 0.0, 2.0); ( 814.8, 977.6, 0.0, 2.0);
( 773.2, 994.7, 0.0, 2.0); ( 731.6, 1011.8, 0.0, 2.0);
( 689.9, 1029.0, 0.0, 2.0); ( 648.3, 1046.1, 0.0, 2.0);
( 606.7, 1063.3, 0.0, 2.0); ( 565.0, 1080.4, 0.0, 2.0);
( 523.4, 1097.5, 0.0, 2.0); ( 481.8, 1114.7, 0.0, 2.0);
( 440.1, 1131.8, 0.0, 2.0); ( 398.5, 1148.9, 0.0, 2.0);
( 356.9, 1166.1, 0.0, 2.0); ( 315.2, 1183.2, 0.0, 2.0);
( 273.6, 1200.3, 0.0, 2.0); ( 232.0, 1217.5, 0.0, 2.0);
( 190.3, 1234.6, 0.0, 2.0); ( 1150.9, 254.0, 0.0, 2.0);
( 1151.0, 206.7, 0.0, 2.0); ( 1151.1, 159.4, 0.0, 2.0);
( 1151.2, 112.2, 0.0, 2.0); ( 1151.3, 64.9, 0.0, 2.0);
( 1151.4, 17.6, 0.0, 2.0); ( 1151.5, -29.7, 0.0, 2.0);
( -133.4, 251.1, 0.0, 2.0); ( -132.7, -31.9, 0.0, 2.0);
( 151.5, -31.9, 0.0, 2.0); ( 150.9, 251.8, 0.0, 2.0);
*** I SCST3 - VERSION 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** PM2.5 ***

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	RECEPTOR XR (METERS)	LOCATION YR (METERS)	DISTANCE (METERS)
L0000001	-153.4	251.1	-5.72
L0000001	-133.4	271.1	-5.82
L0000001	-133.4	251.1	-23.21
L0000002	-86.0	271.3	-7.45
L0000003	-38.7	271.4	-6.07
L0000004	8.7	271.5	-2.03
L0000005	8.7	271.5	-1.74
L0000006	56.1	271.6	-5.72
L0000007	103.5	271.7	-7.04
L0000008	150.9	271.8	-5.40
L0000008	170.9	251.8	-5.93
L0000008	150.9	251.8	-23.09

YR	MN	DAY	HR	FLOW VECTOR	SPEED (M/S)	TEMP (K)	STAB CLASS	MI XING RURAL	HEIGHT (M) URBAN	USTAR (M/S)	M-O LENGTH (M)	Z-O (M)	PCODE	PRATE (mm/HR)
81	01	01	01	292.3	1.00	284.3	7	522.6	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	02	282.4	0.00	284.3	7	507.0	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	03	287.5	0.00	283.1	7	491.4	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	04	301.0	0.00	283.1	7	475.8	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	05	286.5	0.00	282.6	7	460.3	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	06	297.0	0.00	283.1	7	444.7	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	07	297.0	0.00	285.4	6	1.4	170.7	0.0000	0.0	0.0000	0	0.00
81	01	01	08	314.6	1.00	287.6	5	47.0	192.0	0.0000	0.0	0.0000	0	0.00
81	01	01	09	299.0	1.00	289.8	4	92.5	213.3	0.0000	0.0	0.0000	0	0.00
81	01	01	10	54.2	1.34	291.5	3	138.0	234.7	0.0000	0.0	0.0000	0	0.00
81	01	01	11	89.1	1.79	294.3	3	183.5	256.0	0.0000	0.0	0.0000	0	0.00
81	01	01	12	103.1	1.34	297.6	2	229.0	277.3	0.0000	0.0	0.0000	0	0.00
81	01	01	13	87.2	1.34	298.7	2	274.5	298.7	0.0000	0.0	0.0000	0	0.00
81	01	01	14	124.2	1.79	299.8	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	15	134.8	2.24	299.3	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	16	98.2	2.24	298.7	4	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	17	110.1	2.24	295.4	5	325.6	318.5	0.0000	0.0	0.0000	0	0.00
81	01	01	18	210.1	1.00	291.5	6	357.2	310.3	0.0000	0.0	0.0000	0	0.00
81	01	01	19	268.0	1.00	289.8	7	388.8	302.1	0.0000	0.0	0.0000	0	0.00
81	01	01	20	303.2	1.00	287.0	7	420.4	293.9	0.0000	0.0	0.0000	0	0.00
81	01	01	21	291.1	1.34	286.5	7	452.0	285.7	0.0000	0.0	0.0000	0	0.00
81	01	01	22	294.5	1.34	287.0	7	483.5	277.4	0.0000	0.0	0.0000	0	0.00
81	01	01	23	293.2	0.00	285.9	7	515.1	269.2	0.0000	0.0	0.0000	0	0.00
81	01	01	24	292.2	0.00	285.4	7	546.7	261.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.

FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION

*** 12/01/06

**MODELOPTS:

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CONC

URBAN FLAT FLGPOL

NOCALM

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): AREA1, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
 L0000007, L0000008, L00003003, L00003004, L00003005, L00003006, L00003007, L00003008, L00003009, L00003010, L00003011, L00003012,
 L00003013, L00003014, L00003015, L00003016, L00003017, L00003018, L00003019, L00003020, L00003021, L00003022, L00003023, . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3				**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
151.51	-51.85	64.38671	(81032924)	104.14	-51.85	81.07575	(81032924)
56.76	-51.85	80.64466	(81032924)	9.39	-51.85	76.77405	(81032924)
-37.98	-51.85	70.40900	(81032924)	-85.36	-51.85	57.69797	(81032924)
-132.73	-51.85	37.31239	(81030624)	151.51	-81.85	45.59213	(81032924)
104.14	-81.85	56.79989	(81032924)	56.76	-81.85	56.52611	(81032924)
9.39	-81.85	53.26332	(81032924)	-37.98	-81.85	47.25902	(81032924)
-85.36	-81.85	35.27608	(81032924)	-132.73	-81.85	25.47513	(81030624)
186.90	-117.17	26.61861	(81032924)	236.90	-67.06	25.45339	(81042424)
151.51	-131.85	31.24638	(81032924)	104.14	-131.85	37.80016	(81032924)
56.76	-131.85	37.81834	(81032924)	9.39	-131.85	34.63385	(81032924)
-37.98	-131.85	28.71790	(81032924)	-85.36	-131.85	20.24270	(81032924)
-132.73	-131.85	15.91319	(81030624)	186.90	-217.17	17.79197	(81032924)
222.30	-202.48	15.95352	(81032924)	257.69	-187.80	13.13895	(81032924)
307.69	-137.69	13.77987	(81042524)	322.30	-102.26	15.32376	(81041724)
336.90	-66.84	16.78079	(81112424)	151.51	-231.85	18.73643	(81032924)
104.14	-231.85	20.82001	(81032924)	56.76	-231.85	20.58817	(81032924)
9.39	-231.85	18.14073	(81032924)	-37.98	-231.85	14.73355	(81032924)
-85.36	-231.85	11.06619	(81032924)	-132.73	-231.85	7.78935	(81030624)
190.84	-515.54	5.99296	(81032924)	230.16	-499.22	6.25436	(81032924)
269.49	-482.91	6.43827	(81032924)	308.82	-466.59	6.43626	(81032924)
348.14	-450.28	6.20726	(81032924)	387.47	-433.96	5.72926	(81032924)
426.80	-417.65	4.99048	(81032924)	466.12	-401.33	4.21482	(81030724)
521.68	-345.65	4.39146	(81041324)	537.91	-306.29	4.94490	(81041724)
554.14	-266.93	5.71622	(81041724)	570.36	-227.57	6.15835	(81041724)
586.59	-188.21	6.20977	(81041724)	602.82	-148.84	6.78295	(81112424)
619.05	-109.48	7.40990	(81112424)	635.28	-70.12	7.56065	(81112424)
151.51	-531.85	5.76768	(81032924)	104.14	-531.85	5.91212	(81032924)
56.76	-531.85	5.98546	(81032924)	9.39	-531.85	5.81444	(81032924)
-37.98	-531.85	5.36524	(81032924)	-85.36	-531.85	4.69133	(81032924)
-132.73	-531.85	3.81584	(81032924)	193.15	-1014.58	1.90123	(81032924)
234.79	-997.30	1.98070	(81032924)	276.43	-980.03	2.06284	(81032924)
318.07	-962.75	2.13263	(81032924)	359.71	-945.48	2.18400	(81032924)
401.35	-928.20	2.22087	(81032924)	442.99	-910.93	2.25500	(81032924)
484.63	-893.65	2.29665	(81032924)	526.27	-876.38	2.34303	(81032924)
567.91	-859.10	2.37797	(81032924)	609.55	-841.83	2.37322	(81032924)
651.19	-824.56	2.30281	(81032924)	692.83	-807.28	2.15252	(81032924)
734.47	-790.01	1.92620	(81032924)	776.11	-772.73	1.73173	(81030724)
817.75	-755.46	1.58871	(81042324)	876.57	-696.51	1.58850	(81041324)
893.76	-654.83	1.63883	(81041324)	910.94	-613.15	1.82973	(81041724)
928.12	-571.47	2.07548	(81041724)	945.31	-529.80	2.26042	(81041724)

*** I SCST3 - VERSION 02035 ***

*** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION

*** 12/01/06

**MODELOPTS:

*** 11:32:26

CONC

URBAN FLAT FLGPOL

NOCALM

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): AREA1, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
 L0000007, L0000008, L00003003, L00003004, L00003005, L00003006, L00003007, L00003008, L00003009, L00003010, L00003011, L00003012,
 L00003013, L00003014, L00003015, L00003016, L00003017, L00003018, L00003019, L00003020, L00003021, L00003022, L00003023, . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3				**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
962.49	-488.12	2.37095	(81041724)	979.67	-446.44	2.40471	(81041724)
996.86	-404.76	2.36914	(81041724)	1014.04	-363.08	2.57980	(81123124)
1031.22	-321.41	2.66968	(81123124)	1048.41	-279.73	2.87420	(81112424)
1065.59	-238.05	3.01080	(81112424)	1082.77	-196.37	3.02741	(81112424)
1099.96	-154.70	2.92982	(81112424)	1117.14	-113.02	2.74062	(81112424)
1134.32	-71.34	2.77729	(81060224)	151.51	-1031.85	1.84050	(81032924)
104.14	-1031.85	1.87125	(81032924)	56.76	-1031.85	1.93533	(81032924)
9.39	-1031.85	2.01030	(81032924)	-37.98	-1031.85	2.05876	(81032924)
-85.36	-1031.85	2.04211	(81032924)	-132.73	-1031.85	1.93448	(81032924)
-152.73	-31.89	41.40001	(81123024)	-152.83	15.27	71.10415	(81123024)
-152.94	62.44	80.18896	(81123024)	-153.04	109.61	83.31094	(81123024)
-153.14	156.77	82.19450	(81123024)	-153.25	203.94	75.49390	(81123024)
-153.35	251.11	71.44706	(81122724)	-182.73	-31.96	30.07806	(81123024)
-182.83	15.21	45.67353	(81123024)	-182.94	62.37	54.46624	(81123024)
-183.04	109.54	57.48954	(81123024)	-183.14	156.71	56.65723	(81123024)

-183.25	203.87	52.26783	(81122724)	-183.35	251.04	50.31811	(81122724)
-218.05	-67.35	16.91288	(81123024)	-168.05	-117.24	16.19751	(81030624)
-232.73	-32.07	20.57565	(81123024)	-232.83	15.10	27.69891	(81123024)
-232.94	62.26	32.48006	(81123024)	-233.04	109.43	35.12052	(81123024)
-233.14	156.60	34.95576	(81123024)	-233.25	203.76	34.98027	(81122724)
-233.35	250.93	34.19259	(81122724)	-318.05	-67.57	11.05777	(81123024)
-303.36	-102.86	9.66884	(81123024)	-288.68	-138.14	8.39750	(81030624)
-238.68	-188.03	8.58570	(81030624)	-203.36	-202.64	8.74016	(81030624)
-168.05	-217.24	8.40169	(81030624)	-332.73	-32.29	11.93920	(81123024)
-332.83	14.88	14.39604	(81123024)	-332.94	62.05	16.25793	(81123024)
-333.04	109.21	16.92203	(81123024)	-333.14	156.38	17.22240	(81122724)
-333.25	203.55	19.66213	(81122724)	-333.35	250.71	20.26888	(81122724)
-616.41	-72.15	4.28550	(81123024)	-600.10	-111.36	4.22360	(81123024)
-583.78	-150.56	4.00531	(81123024)	-567.47	-189.77	3.62496	(81123024)
-551.15	-228.97	3.15860	(81123024)	-534.84	-268.18	2.90800	(81030624)
-518.53	-307.38	2.99952	(81030624)	-502.21	-346.59	2.96281	(81030624)
-446.66	-402.02	2.79825	(81030624)	-407.41	-418.25	2.74904	(81030624)
-368.17	-434.48	2.71084	(81030624)	-328.93	-450.71	2.69405	(81030624)
-289.69	-466.93	2.66119	(81030624)	-250.45	-483.16	2.57694	(81030624)
-211.21	-499.39	2.43751	(81030624)	-171.97	-515.62	3.01766	(81032924)
-632.73	-32.95	4.50900	(81011724)	-632.83	14.22	6.09385	(81011724)
-632.94	61.39	7.02403	(81011724)	-633.04	108.55	7.48964	(81011724)
-633.14	155.72	7.34900	(81011724)	-633.25	202.89	7.72932	(81120824)
-633.35	250.05	8.51885	(81120824)	-1115.45	-75.55	2.30647	(81011724)
-1098.18	-117.06	1.71773	(81030224)	-1080.90	-158.57	1.57498	(81123024)

*** I SCS T3 - VERSI ON 02035 *** OAK H I LLS MARKETPLA CE LST ANALY S I S - CONSTRUCTI ON
 *** PM2.5 ***
 **MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC
 *** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): AREA1, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
 L0000007, L0000008, L0003003, L0003004, L0003005, L0003006, L0003007, L0003008, L0003009, L0003010, L0003011, L0003012,
 L0003013, L0003014, L0003015, L0003016, L0003017, L0003018, L0003019, L0003020, L0003021, L0003022, L0003023, . . .
 *** DI SCRET E CARTESI AN RECEPTOR POINTS ***
 ** CONC OF PM25 I N MI CROGRAMS/M**3 **
 X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
 -1063.63 -200.09 1.64459 (81123024) -1046.36 -241.60 1.67283 (81123024)
 -1029.08 -283.11 1.64745 (81123024) -1011.81 -324.62 1.56685 (81123024)
 -994.53 -366.13 1.43929 (81123024) -977.26 -407.64 1.28157 (81123024)
 -959.98 -449.15 1.12774 (81091624) -942.71 -490.66 1.14161 (81091624)
 -925.43 -532.18 1.08055 (81091624) -908.16 -573.69 1.10861 (81030624)
 -890.89 -615.20 1.15150 (81030624) -873.61 -656.71 1.16844 (81030624)
 -856.34 -698.22 1.15063 (81030624) -797.51 -756.91 1.06222 (81030624)
 -755.96 -774.10 1.00270 (81030624) -714.42 -791.28 0.93455 (81030624)
 -672.87 -808.46 0.87790 (81030624) -631.32 -825.65 0.84924 (81030624)
 -589.77 -842.83 0.85547 (81030624) -548.22 -860.02 0.89062 (81030624)
 -506.67 -877.20 0.93753 (81030624) -465.12 -894.38 0.97473 (81030624)
 -423.57 -911.57 0.98414 (81030624) -382.02 -928.75 0.95776 (81030624)
 -340.47 -945.93 0.89735 (81030624) -298.93 -963.12 0.98854 (81032924)
 -257.38 -980.30 1.28944 (81032924) -215.83 -997.48 1.56918 (81032924)
 -174.28 -1014.67 1.79241 (81032924) -1132.73 -34.04 2.91889 (81011724)
 -1132.83 13.13 3.45139 (81011724) -1132.93 60.29 3.69112 (81011724)
 -1133.04 107.46 3.60711 (81011724) -1133.14 154.63 3.24349 (81011724)
 -1133.24 201.79 3.54632 (81112724) -1133.35 248.96 3.60613 (81112724)
 -133.39 271.15 57.67778 (81122724) -86.02 271.25 61.41567 (81120124)
 -38.65 271.36 63.53568 (81120124) 8.73 271.46 60.49586 (81120124)
 56.10 271.56 59.76308 (81051924) 103.47 271.67 57.82846 (81051924)
 150.85 271.77 50.94356 (81102824) -133.46 301.15 34.68665 (81030124)
 -86.09 301.25 40.93706 (81012724) -38.71 301.36 42.64043 (81012724)
 8.66 301.46 40.88911 (81012724) 56.03 301.56 39.90764 (81051924)
 103.41 301.67 37.74561 (81051924) 150.78 301.77 34.44442 (81102824)
 -168.89 336.43 24.89482 (81111524) -218.78 286.32 29.92649 (81122724)
 -133.57 351.15 22.19928 (81111524) -86.19 351.25 26.16197 (81012724)
 -38.82 351.36 27.61440 (81012724) 8.55 351.46 25.89215 (81012724)
 55.93 351.56 24.64571 (81051924) 103.30 351.67 23.37738 (81051924)
 150.67 351.77 21.23414 (81102824) -169.11 436.43 14.82683 (81111524)
 -204.43 421.71 16.70505 (81111524) -239.76 406.98 16.62258 (81111524)
 -289.65 356.87 16.73917 (81010924) -304.21 321.49 17.58667 (81122724)
 -318.78 286.10 19.88753 (81122724) -133.79 451.15 12.77529 (81012724)
 -86.41 451.25 13.29588 (81012724) -39.04 451.36 13.43793 (81012724)
 8.33 451.46 13.54666 (81112624) 55.71 451.56 14.14516 (81112624)
 103.08 451.67 13.74117 (81112624) 150.45 451.77 11.31827 (81112624)
 -173.69 734.79 6.22071 (81031124) -212.94 718.43 6.37571 (81031124)
 -252.19 702.08 5.83346 (81031124) -291.43 685.72 6.79616 (81111524)
 -330.68 669.36 8.07272 (81111524) -369.93 653.00 8.55971 (81111524)
 -409.18 636.65 7.97535 (8111524) -448.43 620.29 7.39532 (81022024)

*** I SCS T3 - VERSI ON 02035 *** OAK H I LLS MARKETPLA CE LST ANALY S I S - CONSTRUCTI ON
 *** PM2.5 ***
 **MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC
 *** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): AREA1, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
 L0000007, L0000008, L0003003, L0003004, L0003005, L0003006, L0003007, L0003008, L0003009, L0003010, L0003011, L0003012,
 L0003013, L0003014, L0003015, L0003016, L0003017, L0003018, L0003019, L0003020, L0003021, L0003022, L0003023, . . .
 *** DI SCRET E CARTESI AN RECEPTOR POINTS ***
 ** CONC OF PM25 I N MI CROGRAMS/M**3 **
 X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
 -503.86 564.61 8.15453 (81021824) -520.05 525.29 8.08459 (81010924)
 -536.23 485.97 8.91331 (81112024) -552.42 446.65 8.63780 (81113024)
 -568.61 407.33 9.02849 (81122524) -584.79 368.01 9.01080 (81120724)
 -600.98 328.69 8.87251 (81011524) -617.16 289.37 8.77762 (81120824)
 -134.44 751.15 5.56776 (81031124) -87.07 751.25 4.47866 (81031124)
 -39.69 751.36 4.56933 (81031524) 7.68 751.46 5.30030 (81013024)
 55.05 751.56 6.05448 (81013024) 102.43 751.67 6.21406 (81013024)
 149.80 751.77 5.79005 (81013024) -177.09 1233.83 1.91777 (81102924)
 -218.65 1216.51 2.41706 (81031124) -260.20 1199.19 3.05945 (81031124)
 -301.76 1181.87 3.49318 (81031124) -343.32 1164.55 3.60893 (81031124)
 -384.87 1147.23 3.36326 (81031124) -426.43 1129.91 2.80193 (81031124)
 -467.99 1112.59 2.70921 (81102024) -509.54 1095.27 3.08948 (81111524)
 -551.10 1077.95 3.79311 (81111524) -592.66 1060.63 4.22466 (81111524)
 -634.22 1043.31 4.28652 (81111524) -675.77 1025.99 3.98429 (81111524)
 -717.33 1008.67 3.95338 (81021524) -758.89 991.35 3.64403 (81021524)
 -800.44 974.03 3.70360 (81022024) -859.14 915.08 3.99884 (81021824)
 -876.28 873.44 4.00897 (81021824) -893.41 831.81 3.73194 (81021824)
 -910.55 790.18 4.09557 (81112024) -927.69 748.55 4.51575 (81112024)
 -944.83 706.92 4.54055 (81112024) -961.97 665.28 4.22787 (81113024)
 -979.11 623.65 4.63246 (81122524) -996.24 582.02 4.75290 (81120724)
 -1013.38 540.39 4.71559 (81120724) -1030.52 498.75 4.78654 (81011524)
 -1047.66 457.12 4.42975 (81011524) -1064.80 415.49 4.56130 (81120824)
 -1081.93 373.86 4.67621 (81120824) -1099.07 332.22 4.38343 (81120824)
 -1116.21 290.59 3.75938 (81120824) -135.53 1251.15 1.87084 (81031524)

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-88.16 1251.25 2.32310 (81031524) -40.78 1251.35 2.57032 (81031524)
6.59 1251.46 2.55434 (81031524) 53.96 1251.56 2.73955 (81013024)
101.34 1251.66 3.24818 (81013024) 148.71 1251.77 3.45262 (81013024)
170.89 251.81 59.70025 (81102824) 170.99 204.54 76.56354 (81060224)
171.10 157.27 80.19128 (81051424) 171.20 110.00 80.54712 (81051424)
171.30 62.73 78.17945 (81051424) 171.41 15.46 71.12405 (81051424)
171.51 -31.81 55.45147 (81112424) 200.89 251.88 41.71297 (81102824)
200.99 204.61 55.21904 (81060224) 201.10 157.34 59.50943 (81051424)
201.20 110.07 59.84460 (81051424) 201.30 62.80 57.44211 (81051424)
201.41 15.53 50.08517 (81051424) 201.51 -31.74 40.87959 (81112424)
236.17 287.31 27.68920 (81102824) 186.06 337.20 25.62854 (81102824)
250.89 251.99 26.25805 (81102824) 250.99 204.72 36.43580 (81060224)
251.10 157.45 41.10896 (81051424) 251.20 110.18 41.56709 (81051424)
251.30 62.91 38.97766 (81051424) 251.41 15.64 33.26532 (81112424)
251.51 -31.63 29.08639 (81112424) 336.17 287.53 14.52709 (81060124)
321.45 322.85 14.77488 (81102824) 306.72 358.18 15.37131 (81102824)
*** I SCST3 - VERSI ON 02035 *** *** OAK H I LLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON *** 12/01/06
*** PM2.5 *** 11: 32: 26

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC
*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): AREA1, L0000001, L0000002, L0000003, L0000004, L0000005, L0000006,
L0000007, L0000008, L0000303, L0000304, L0000305, L0000306, L0000307, L0000308, L0000309, L0000310, L0000311, L0000312,
L0000313, L0000314, L0000315, L0000316, L0000317, L0000318, L0000319, L0000320, L0000321, L0000322, L0000323, . . . . .

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*** DI SCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF PM_25 I N M I CROGRAMS/M**3 **
X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
-----
256.62 408.07 16.37567 (81102824) 221.23 422.63 14.96737 (81102824)
185.84 437.20 12.51562 (81102824) 350.89 252.21 16.03052 (81051424)
350.99 204.94 20.87337 (81051424) 351.10 157.67 23.91801 (81051424)
351.20 110.40 24.37847 (81051424) 351.30 63.13 22.44201 (81051424)
351.41 15.86 20.00154 (81112424) 351.51 -31.41 18.55293 (81112424)
634.53 292.11 6.68549 (81060124) 618.17 331.36 6.82883 (81060124)
601.82 370.61 6.39095 (81060124) 585.46 409.85 5.40885 (81060124)
569.10 449.10 5.08079 (81052924) 552.74 488.35 5.21528 (81061224)
536.39 527.60 5.85466 (81061224) 520.03 566.85 6.05561 (81061224)
464.35 622.28 6.31663 (81102824) 425.03 638.47 7.14603 (81102824)
385.71 654.65 7.22270 (81102824) 346.39 670.84 6.58495 (81031824)
307.08 687.02 6.04233 (81031824) 267.76 703.21 4.95018 (81031824)
228.44 719.40 4.00803 (81112624) 189.12 735.58 4.86591 (81013024)
650.89 252.86 6.72150 (81051424) 650.99 205.59 7.39305 (81051424)
651.10 158.32 8.03014 (81060224) 651.20 111.05 8.56537 (81060224)
651.30 63.78 8.49783 (81060224) 651.41 16.51 7.80588 (81060224)
651.51 -30.76 7.26452 (81112424) 1133.57 295.51 2.67625 (81050524)
1116.25 337.07 2.48833 (81050524) 1098.93 378.63 2.55254 (81060124)
1081.61 420.18 2.78686 (81060124) 1064.29 461.74 2.89248 (81060124)
1046.97 503.30 2.84648 (81060124) 1029.65 544.85 2.65120 (81060124)
1012.33 586.41 2.33413 (81060124) 995.01 627.97 1.94068 (81060124)
977.69 669.52 2.15228 (81052924) 960.37 711.08 2.25417 (81052924)
943.05 752.64 2.21581 (81052924) 925.73 794.19 2.20959 (81061224)
908.41 835.75 2.43419 (81061224) 891.09 877.31 2.55265 (81061224)
873.77 918.86 2.55053 (81061224) 814.82 977.56 2.32105 (81061224)
773.19 994.70 2.64585 (81102824) 731.56 1011.83 3.21990 (81102824)
689.92 1028.97 3.62003 (81102824) 648.29 1046.11 3.71296 (81102824)
606.66 1063.25 3.58787 (81031824) 565.03 1080.39 3.55756 (81031824)
523.40 1097.52 3.17279 (81031824) 481.76 1114.66 2.54240 (81031824)
440.13 1131.80 1.82035 (81031824) 398.50 1148.94 1.37170 (81112624)
356.87 1166.08 1.49182 (81112624) 315.24 1183.22 1.71538 (81013024)
273.60 1200.35 2.41718 (81013024) 231.97 1217.49 3.01638 (81013024)
190.34 1234.63 3.38382 (81013024) 1150.89 253.96 2.75506 (81050524)
1150.99 206.69 2.84971 (81060224) 1151.09 159.42 3.09681 (81060224)
1151.20 112.15 3.24206 (81060224) 1151.30 64.88 3.26727 (81060224)
1151.40 17.61 3.17133 (81060224) 1151.51 -29.66 2.96744 (81060224)
-133.35 251.15 100.88898 (81122724) -132.73 -31.85 53.76867 (81123024)
151.51 -31.85 87.12354 (81032924) 150.89 251.77 77.78628 (81102824)
*** I SCST3 - VERSI ON 02035 *** *** OAK H I LLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON *** 12/01/06
*** PM2.5 *** 11: 32: 26

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC
*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***
** CONC OF PM_25 I N M I CROGRAMS/M**3 **

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GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR	(XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL HIGH 1ST HIGH VALUE IS	100.88898	ON 81122724: AT (-133.35,	251.15,	0.00,	2.00) DC NA

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*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY
*** I SCST3 - VERSI ON 02035 *** *** OAK H I LLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON *** 12/01/06
*** PM2.5 *** 11: 32: 26

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC
*** Message Summary : I SCST3 Model Execution ***
----- Summary of Total Messages -----
A Total of 0 Fatal Error Message(s)
A Total of 112 Warning Message(s)
A Total of 1398 Informational Message(s)
A Total of 1398 Calm Hours Identified

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***** FATAL ERROR MESSAGES *****
***** NONE *****

***** WARNING MESSAGES *****
S0 W320 349 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
S0 W320 350 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
S0 W320 351 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
S0 W320 352 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
S0 W320 353 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
S0 W320 354 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
S0 W320 355 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T

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**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected
 **Model Is Setup For Calculation of Average CONCentration Values.
 -- SCAVENGING/DEPOSITION LOGIC --
 **Model Uses NO DRY DEPLETION. DDPLETE = F
 **Model Uses NO WET DEPLETION. WDPLETE = F
 **NO WET SCAVENGING Data Provided.
 **NO GAS DRY DEPOSITION Data Provided.
 **Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations
 **Model Uses URBAN Dispersion.

- **Model Uses User-Specified Options:
 1. Final Plume Rise.
 2. Stack-tip Downwash.
 3. Buoyancy-induced Dispersion.
 4. Not Use Calms Processing Routine.
 5. Not Use Missing Data Processing Routine.
 6. Default Wind Profile Exponents.
 7. Default Vertical Potential Temperature Gradients.

**Model Assumes Receptors on FLAT Terrain.
 **Model Accepts FLAGPOLE Receptor Heights.
 **Model Calculates 1 Short Term Average(s) of: 1-HR
 **This Run Includes: 112 Source(s); 1 Source Group(s); and 396 Receptor(s)
 **The Model Assumes A Pollutant Type of: NOX_
 **Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
 Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 **Misc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.1000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 1.3 MB of RAM.

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0000001	0	0.42375E-01	-123.0	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000002	0	0.42375E-01	-85.3	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000003	0	0.42375E-01	-47.6	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000004	0	0.42375E-01	-9.9	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000005	0	0.42375E-01	27.9	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000006	0	0.42375E-01	65.6	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000007	0	0.42375E-01	103.3	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000008	0	0.42375E-01	141.0	241.0	0.0	5.00	17.54	0.00	HROFDY
L0003227	0	0.42375E-01	-123.0	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003228	0	0.42375E-01	-85.3	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003229	0	0.42375E-01	-47.6	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003230	0	0.42375E-01	-9.9	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003231	0	0.42375E-01	27.9	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003232	0	0.42375E-01	65.6	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003233	0	0.42375E-01	103.3	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003234	0	0.42375E-01	141.0	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003235	0	0.42375E-01	-123.0	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003236	0	0.42375E-01	-85.3	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003237	0	0.42375E-01	-47.6	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003238	0	0.42375E-01	-9.9	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003239	0	0.42375E-01	27.9	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003240	0	0.42375E-01	65.6	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003241	0	0.42375E-01	103.3	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003242	0	0.42375E-01	141.0	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003243	0	0.42375E-01	-123.0	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003244	0	0.42375E-01	-85.3	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003245	0	0.42375E-01	-47.6	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003246	0	0.42375E-01	-9.9	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003247	0	0.42375E-01	27.9	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003248	0	0.42375E-01	65.6	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003249	0	0.42375E-01	103.3	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003250	0	0.42375E-01	141.0	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003251	0	0.42375E-01	-123.0	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003252	0	0.42375E-01	-85.3	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003253	0	0.42375E-01	-47.6	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003254	0	0.42375E-01	-9.9	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003255	0	0.42375E-01	27.9	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003256	0	0.42375E-01	65.6	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003257	0	0.42375E-01	103.3	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003258	0	0.42375E-01	141.0	161.0	0.0	5.00	17.54	0.00	HROFDY

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	EMISSION RATE SCALAR VARY
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ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0003259	0	0.42375E-01	-123.0	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003260	0	0.42375E-01	-85.3	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003261	0	0.42375E-01	-47.6	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003262	0	0.42375E-01	-9.9	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003263	0	0.42375E-01	27.9	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003264	0	0.42375E-01	65.6	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003265	0	0.42375E-01	103.3	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003266	0	0.42375E-01	141.0	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003267	0	0.42375E-01	-123.0	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003268	0	0.42375E-01	-85.3	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003269	0	0.42375E-01	-47.6	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003270	0	0.42375E-01	-9.9	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003271	0	0.42375E-01	27.9	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003272	0	0.42375E-01	65.6	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003273	0	0.42375E-01	103.3	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003274	0	0.42375E-01	141.0	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003275	0	0.42375E-01	-123.0	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003276	0	0.42375E-01	-85.3	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003277	0	0.42375E-01	-47.6	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003278	0	0.42375E-01	-9.9	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003279	0	0.42375E-01	27.9	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003280	0	0.42375E-01	65.6	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003281	0	0.42375E-01	103.3	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003282	0	0.42375E-01	141.0	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003283	0	0.42375E-01	-123.0	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003284	0	0.42375E-01	-85.3	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003285	0	0.42375E-01	-47.6	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003286	0	0.42375E-01	-9.9	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003287	0	0.42375E-01	27.9	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003288	0	0.42375E-01	65.6	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003289	0	0.42375E-01	103.3	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003290	0	0.42375E-01	141.0	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003291	0	0.42375E-01	-123.0	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003292	0	0.42375E-01	-85.3	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003293	0	0.42375E-01	-47.6	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003294	0	0.42375E-01	-9.9	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003295	0	0.42375E-01	27.9	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003296	0	0.42375E-01	65.6	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003297	0	0.42375E-01	103.3	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003298	0	0.42375E-01	141.0	61.0	0.0	5.00	17.54	0.00	HROFDY

*** I SCST3 - VERSION 02035 *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
 **MODELOPTs: CONC URBAN FLAT FLGPOL NOCALM
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0003299	0	0.42375E-01	-123.0	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003300	0	0.42375E-01	-85.3	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003301	0	0.42375E-01	-47.6	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003302	0	0.42375E-01	-9.9	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003303	0	0.42375E-01	27.9	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003304	0	0.42375E-01	65.6	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003305	0	0.42375E-01	103.3	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003306	0	0.42375E-01	141.0	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003307	0	0.42375E-01	-123.0	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003308	0	0.42375E-01	-85.3	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003309	0	0.42375E-01	-47.6	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003310	0	0.42375E-01	-9.9	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003311	0	0.42375E-01	27.9	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003312	0	0.42375E-01	65.6	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003313	0	0.42375E-01	103.3	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003314	0	0.42375E-01	141.0	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003315	0	0.42375E-01	-123.0	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003316	0	0.42375E-01	-85.3	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003317	0	0.42375E-01	-47.6	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003318	0	0.42375E-01	-9.9	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003319	0	0.42375E-01	27.9	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003320	0	0.42375E-01	65.6	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003321	0	0.42375E-01	103.3	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003322	0	0.42375E-01	141.0	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003323	0	0.42375E-01	-123.0	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003324	0	0.42375E-01	-85.3	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003325	0	0.42375E-01	-47.6	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003326	0	0.42375E-01	-9.9	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003327	0	0.42375E-01	27.9	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003328	0	0.42375E-01	65.6	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003329	0	0.42375E-01	103.3	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003330	0	0.42375E-01	141.0	-19.0	0.0	5.00	17.54	0.00	HROFDY

*** I SCST3 - VERSION 02035 *** OAK HI LLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
 **MODELOPTs: CONC URBAN FLAT FLGPOL NOCALM
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0003227, L0003228, L0003229, L0003230, L0003231, L0003232, L0003233, L0003234, L0003235, L0003236, L0003237, L0003238, L0003239, L0003240, L0003241, L0003242, L0003243, L0003244, L0003245, L0003246, L0003247, L0003248, L0003249, L0003250, L0003251, L0003252, L0003253, L0003254, L0003255, L0003256, L0003257, L0003258, L0003259, L0003260, L0003261, L0003262, L0003263, L0003264, L0003265, L0003266, L0003267, L0003268, L0003269, L0003270, L0003271, L0003272, L0003273, L0003274, L0003275, L0003276, L0003277, L0003278, L0003279, L0003280, L0003281, L0003282, L0003283, L0003284, L0003285, L0003286, L0003287, L0003288, L0003289, L0003290, L0003291, L0003292, L0003293, L0003294, L0003295, L0003296, L0003297, L0003298, L0003299, L0003300, L0003301, L0003302, L0003303, L0003304, L0003305, L0003306, L0003307, L0003308, L0003309, L0003310, L0003311, L0003312, L0003313, L0003314, L0003315, L0003316, L0003317, L0003318, L0003319, L0003320, L0003321, L0003322, L0003323, L0003324, L0003325, L0003326, L0003327, L0003328, L0003329, L0003330

SOURCE ID = L0003323 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
 7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
 *** NOX *** 11: 35: 43

**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR
SOURCE ID = L0003324 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003325 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003326 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003327 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003328 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
 *** NOX *** 11: 35: 43

**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR
SOURCE ID = L0003329 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003330 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
 *** NOX *** 11: 35: 43

**MODELOPTs:
 CONC

URBAN FLAT FLGPOL NOCALM

*** DI SCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

(151. 5, -51. 8, 0. 0, 2. 0);	(104. 1, -51. 8, 0. 0, 2. 0);
(56. 8, -51. 8, 0. 0, 2. 0);	(9. 4, -51. 8, 0. 0, 2. 0);
(-38. 0, -51. 8, 0. 0, 2. 0);	(-85. 4, -51. 8, 0. 0, 2. 0);
(-132. 7, -51. 8, 0. 0, 2. 0);	(151. 5, -81. 8, 0. 0, 2. 0);
(104. 1, -81. 8, 0. 0, 2. 0);	(56. 8, -81. 8, 0. 0, 2. 0);
(9. 4, -81. 8, 0. 0, 2. 0);	(-38. 0, -81. 8, 0. 0, 2. 0);
(-85. 4, -81. 8, 0. 0, 2. 0);	(-132. 7, -81. 8, 0. 0, 2. 0);
(186. 9, -117. 2, 0. 0, 2. 0);	(236. 9, -67. 1, 0. 0, 2. 0);
(151. 5, -131. 9, 0. 0, 2. 0);	(104. 1, -131. 9, 0. 0, 2. 0);
(56. 8, -131. 9, 0. 0, 2. 0);	(9. 4, -131. 9, 0. 0, 2. 0);
(-38. 0, -131. 9, 0. 0, 2. 0);	(-85. 4, -131. 9, 0. 0, 2. 0);
(-132. 7, -131. 9, 0. 0, 2. 0);	(186. 9, -217. 2, 0. 0, 2. 0);
(222. 3, -202. 5, 0. 0, 2. 0);	(257. 7, -187. 8, 0. 0, 2. 0);
(307. 7, -137. 7, 0. 0, 2. 0);	(322. 3, -102. 3, 0. 0, 2. 0);
(336. 9, -66. 8, 0. 0, 2. 0);	(151. 5, -231. 9, 0. 0, 2. 0);
(104. 1, -231. 9, 0. 0, 2. 0);	(56. 8, -231. 9, 0. 0, 2. 0);
(9. 4, -231. 9, 0. 0, 2. 0);	(-38. 0, -231. 9, 0. 0, 2. 0);
(-85. 4, -231. 9, 0. 0, 2. 0);	(-132. 7, -231. 9, 0. 0, 2. 0);
(190. 8, -515. 5, 0. 0, 2. 0);	(230. 2, -499. 2, 0. 0, 2. 0);
(269. 5, -482. 9, 0. 0, 2. 0);	(308. 8, -466. 6, 0. 0, 2. 0);
(348. 1, -450. 3, 0. 0, 2. 0);	(387. 5, -434. 0, 0. 0, 2. 0);
(426. 8, -417. 6, 0. 0, 2. 0);	(466. 1, -401. 3, 0. 0, 2. 0);
(521. 7, -345. 6, 0. 0, 2. 0);	(537. 9, -306. 3, 0. 0, 2. 0);
(554. 1, -266. 9, 0. 0, 2. 0);	(570. 4, -227. 6, 0. 0, 2. 0);
(586. 6, -188. 2, 0. 0, 2. 0);	(602. 8, -148. 8, 0. 0, 2. 0);
(619. 0, -109. 5, 0. 0, 2. 0);	(635. 3, -70. 1, 0. 0, 2. 0);
(151. 5, -531. 8, 0. 0, 2. 0);	(104. 1, -531. 8, 0. 0, 2. 0);
(56. 8, -531. 8, 0. 0, 2. 0);	(9. 4, -531. 8, 0. 0, 2. 0);
(-38. 0, -531. 8, 0. 0, 2. 0);	(-85. 4, -531. 8, 0. 0, 2. 0);
(-132. 7, -531. 8, 0. 0, 2. 0);	(193. 1, -1014. 6, 0. 0, 2. 0);
(234. 8, -997. 3, 0. 0, 2. 0);	(276. 4, -980. 0, 0. 0, 2. 0);
(318. 1, -962. 8, 0. 0, 2. 0);	(359. 7, -945. 5, 0. 0, 2. 0);

```

( 401.4, -928.2, 0.0, 2.0); ( 443.0, -910.9, 0.0, 2.0);
( 484.6, -893.7, 0.0, 2.0); ( 526.3, -876.4, 0.0, 2.0);
( 567.9, -859.1, 0.0, 2.0); ( 609.5, -841.8, 0.0, 2.0);
( 651.2, -824.6, 0.0, 2.0); ( 692.8, -807.3, 0.0, 2.0);
( 734.5, -790.0, 0.0, 2.0); ( 776.1, -772.7, 0.0, 2.0);
( 817.8, -755.5, 0.0, 2.0); ( 876.6, -696.5, 0.0, 2.0);
( 893.8, -654.8, 0.0, 2.0); ( 910.9, -613.2, 0.0, 2.0);
( 928.1, -571.5, 0.0, 2.0); ( 945.3, -529.8, 0.0, 2.0);
( 962.5, -488.1, 0.0, 2.0); ( 979.7, -446.4, 0.0, 2.0);
( 996.9, -404.8, 0.0, 2.0); (1014.0, -363.1, 0.0, 2.0);
(1031.2, -321.4, 0.0, 2.0); (1048.4, -279.7, 0.0, 2.0);
(1065.6, -238.1, 0.0, 2.0); (1082.8, -196.4, 0.0, 2.0);
(1100.0, -154.7, 0.0, 2.0); (1117.1, -113.0, 0.0, 2.0);
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*** NOX

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**MODELOPTS: CONC URBAN FLAT FLGPOL NOCALM

*** DI SCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

```

( 1134.3, -71.3, 0.0, 2.0); ( 151.5, -1031.8, 0.0, 2.0);
( 104.1, -1031.8, 0.0, 2.0); ( 56.8, -1031.8, 0.0, 2.0);
( 9.4, -1031.8, 0.0, 2.0); ( -38.0, -1031.8, 0.0, 2.0);
( -85.4, -1031.8, 0.0, 2.0); ( -132.7, -1031.8, 0.0, 2.0);
( -152.7, -31.9, 0.0, 2.0); ( -152.8, 15.3, 0.0, 2.0);
( -152.9, 62.4, 0.0, 2.0); ( -153.0, 109.6, 0.0, 2.0);
( -153.1, 156.8, 0.0, 2.0); ( -153.3, 203.9, 0.0, 2.0);
( -153.4, 251.1, 0.0, 2.0); ( -182.7, -32.0, 0.0, 2.0);
( -182.8, 15.2, 0.0, 2.0); ( -182.9, 62.4, 0.0, 2.0);
( -183.0, 109.5, 0.0, 2.0); ( -183.1, 156.7, 0.0, 2.0);
( -183.3, 203.9, 0.0, 2.0); ( -183.4, 251.0, 0.0, 2.0);
( -218.1, -67.3, 0.0, 2.0); ( -168.1, -117.2, 0.0, 2.0);
( -232.7, -32.1, 0.0, 2.0); ( -232.8, 15.1, 0.0, 2.0);
( -232.9, 62.3, 0.0, 2.0); ( -233.0, 109.4, 0.0, 2.0);
( -233.1, 156.6, 0.0, 2.0); ( -233.3, 203.8, 0.0, 2.0);
( -233.4, 250.9, 0.0, 2.0); ( -318.0, -67.6, 0.0, 2.0);
( -303.4, -102.9, 0.0, 2.0); ( -288.7, -138.1, 0.0, 2.0);
( -238.7, -188.0, 0.0, 2.0); ( -203.4, -202.6, 0.0, 2.0);
( -168.1, -217.2, 0.0, 2.0); ( -332.7, -32.3, 0.0, 2.0);
( -332.8, 14.9, 0.0, 2.0); ( -332.9, 62.0, 0.0, 2.0);
( -333.0, 109.2, 0.0, 2.0); ( -333.1, 156.4, 0.0, 2.0);
( -333.3, 203.6, 0.0, 2.0); ( -333.4, 250.7, 0.0, 2.0);
( -616.4, -72.2, 0.0, 2.0); ( -600.1, -111.4, 0.0, 2.0);
( -583.8, -150.6, 0.0, 2.0); ( -567.5, -189.8, 0.0, 2.0);
( -551.2, -229.0, 0.0, 2.0); ( -534.8, -268.2, 0.0, 2.0);
( -518.5, -307.4, 0.0, 2.0); ( -502.2, -346.6, 0.0, 2.0);
( -446.7, -402.0, 0.0, 2.0); ( -407.4, -418.3, 0.0, 2.0);
( -368.2, -434.5, 0.0, 2.0); ( -328.9, -450.7, 0.0, 2.0);
( -289.7, -466.9, 0.0, 2.0); ( -250.4, -483.2, 0.0, 2.0);
( -211.2, -499.4, 0.0, 2.0); ( -172.0, -515.6, 0.0, 2.0);
( -632.7, -33.0, 0.0, 2.0); ( -632.8, 14.2, 0.0, 2.0);
( -632.9, 61.4, 0.0, 2.0); ( -633.0, 108.6, 0.0, 2.0);
( -633.1, 155.7, 0.0, 2.0); ( -633.3, 202.9, 0.0, 2.0);
( -633.3, 250.1, 0.0, 2.0); ( -1115.4, -75.6, 0.0, 2.0);
( -1098.2, -117.1, 0.0, 2.0); ( -1080.9, -158.6, 0.0, 2.0);
( -1063.6, -200.1, 0.0, 2.0); ( -1046.4, -241.6, 0.0, 2.0);
( -1029.1, -283.1, 0.0, 2.0); ( -1011.8, -324.6, 0.0, 2.0);
( -994.5, -366.1, 0.0, 2.0); ( -977.3, -407.6, 0.0, 2.0);
( -960.0, -449.1, 0.0, 2.0); ( -942.7, -490.7, 0.0, 2.0);
( -925.4, -532.2, 0.0, 2.0); ( -908.2, -573.7, 0.0, 2.0);
( -890.9, -615.2, 0.0, 2.0); ( -873.6, -656.7, 0.0, 2.0);
( -856.3, -698.2, 0.0, 2.0); ( -797.5, -756.9, 0.0, 2.0);
( -756.0, -774.1, 0.0, 2.0); ( -714.4, -791.3, 0.0, 2.0);
( -672.9, -808.5, 0.0, 2.0); ( -631.3, -825.7, 0.0, 2.0);
( -589.8, -842.8, 0.0, 2.0); ( -548.2, -860.0, 0.0, 2.0);
*** I SCST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** NOX

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**MODELOPTS: CONC URBAN FLAT FLGPOL NOCALM

*** DI SCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

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( -506.7, -877.2, 0.0, 2.0); ( -465.1, -894.4, 0.0, 2.0);
( -423.6, -911.6, 0.0, 2.0); ( -382.0, -928.8, 0.0, 2.0);
( -340.5, -945.9, 0.0, 2.0); ( -298.9, -963.1, 0.0, 2.0);
( -257.4, -980.3, 0.0, 2.0); ( -215.8, -997.5, 0.0, 2.0);
( -174.3, -1014.7, 0.0, 2.0); ( -1132.7, -34.0, 0.0, 2.0);
( -1132.8, 13.1, 0.0, 2.0); ( -1132.9, 60.3, 0.0, 2.0);
( -1133.0, 107.5, 0.0, 2.0); ( -1133.1, 154.6, 0.0, 2.0);
( -1133.2, 201.8, 0.0, 2.0); ( -1133.3, 249.0, 0.0, 2.0);
( -133.4, 271.1, 0.0, 2.0); ( -86.0, 271.3, 0.0, 2.0);
( -38.7, 271.4, 0.0, 2.0); ( 8.7, 271.5, 0.0, 2.0);
( 56.1, 271.6, 0.0, 2.0); ( 103.5, 271.7, 0.0, 2.0);
( 150.9, 271.8, 0.0, 2.0); ( -133.5, 301.1, 0.0, 2.0);
( -86.1, 301.3, 0.0, 2.0); ( -38.7, 301.4, 0.0, 2.0);
( 8.7, 301.5, 0.0, 2.0); ( 56.0, 301.6, 0.0, 2.0);
( 103.4, 301.7, 0.0, 2.0); ( 150.8, 301.8, 0.0, 2.0);
( -168.9, 336.4, 0.0, 2.0); ( -218.8, 286.3, 0.0, 2.0);
( -133.6, 351.1, 0.0, 2.0); ( -86.2, 351.3, 0.0, 2.0);
( -38.8, 351.4, 0.0, 2.0); ( 8.6, 351.5, 0.0, 2.0);
( 55.9, 351.6, 0.0, 2.0); ( 103.3, 351.7, 0.0, 2.0);
( 150.7, 351.8, 0.0, 2.0); ( -169.1, 436.4, 0.0, 2.0);
( -204.4, 421.7, 0.0, 2.0); ( -239.8, 407.0, 0.0, 2.0);
( -289.6, 356.9, 0.0, 2.0); ( -304.2, 321.5, 0.0, 2.0);
( -318.8, 286.1, 0.0, 2.0); ( -133.8, 451.1, 0.0, 2.0);
( -86.4, 451.3, 0.0, 2.0); ( -39.0, 451.4, 0.0, 2.0);
( 8.3, 451.5, 0.0, 2.0); ( 55.7, 451.6, 0.0, 2.0);
( 103.1, 451.7, 0.0, 2.0); ( 150.4, 451.8, 0.0, 2.0);
( -173.7, 734.8, 0.0, 2.0); ( -212.9, 718.4, 0.0, 2.0);
( -252.2, 702.1, 0.0, 2.0); ( -291.4, 685.7, 0.0, 2.0);
( -330.7, 669.4, 0.0, 2.0); ( -369.9, 653.0, 0.0, 2.0);
( -409.2, 636.7, 0.0, 2.0); ( -448.4, 620.3, 0.0, 2.0);
( -503.9, 564.6, 0.0, 2.0); ( -520.0, 525.3, 0.0, 2.0);
( -536.2, 486.0, 0.0, 2.0); ( -552.4, 446.6, 0.0, 2.0);
( -568.6, 407.3, 0.0, 2.0); ( -584.8, 368.0, 0.0, 2.0);
( -601.0, 328.7, 0.0, 2.0); ( -617.2, 289.4, 0.0, 2.0);
( -134.4, 751.2, 0.0, 2.0); ( -87.1, 751.3, 0.0, 2.0);
( -39.7, 751.4, 0.0, 2.0); ( 7.7, 751.5, 0.0, 2.0);
( 55.0, 751.6, 0.0, 2.0); ( 102.4, 751.7, 0.0, 2.0);
( 149.8, 751.8, 0.0, 2.0); ( -177.1, 1233.8, 0.0, 2.0);
( -218.6, 1216.5, 0.0, 2.0); ( -260.2, 1199.2, 0.0, 2.0);
( -301.8, 1181.9, 0.0, 2.0); ( -343.3, 1164.6, 0.0, 2.0);
( -384.9, 1147.2, 0.0, 2.0); ( -426.4, 1129.9, 0.0, 2.0);
( -468.0, 1112.6, 0.0, 2.0); ( -509.5, 1095.3, 0.0, 2.0);

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( -551.1, 1077.9, 0.0, 2.0); ( -592.7, 1060.6, 0.0, 2.0);
( -634.2, 1043.3, 0.0, 2.0); ( -675.8, 1026.0, 0.0, 2.0);
( -717.3, 1008.7, 0.0, 2.0); ( -758.9, 991.3, 0.0, 2.0);
*** | SCST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** NOX
**MODELOPTs:
CONC URBAN FLAT FLGPOL NOCALM

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*** DI SCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

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( -800.4, 974.0, 0.0, 2.0); ( -859.1, 915.1, 0.0, 2.0);
( -876.3, 873.4, 0.0, 2.0); ( -893.4, 831.8, 0.0, 2.0);
( -910.5, 790.2, 0.0, 2.0); ( -927.7, 748.5, 0.0, 2.0);
( -944.8, 706.9, 0.0, 2.0); ( -962.0, 665.3, 0.0, 2.0);
( -979.1, 623.7, 0.0, 2.0); ( -996.2, 582.0, 0.0, 2.0);
( -1013.4, 540.4, 0.0, 2.0); ( -1030.5, 498.8, 0.0, 2.0);
( -1047.7, 457.1, 0.0, 2.0); ( -1064.8, 415.5, 0.0, 2.0);
( -1081.9, 373.9, 0.0, 2.0); ( -1099.1, 332.2, 0.0, 2.0);
( -1116.2, 290.6, 0.0, 2.0); ( -135.5, 1251.2, 0.0, 2.0);
( -88.2, 1251.3, 0.0, 2.0); ( -40.8, 1251.3, 0.0, 2.0);
( 6.6, 1251.5, 0.0, 2.0); ( 54.0, 1251.6, 0.0, 2.0);
( 101.3, 1251.7, 0.0, 2.0); ( 148.7, 1251.8, 0.0, 2.0);
( 170.9, 251.8, 0.0, 2.0); ( 171.0, 204.5, 0.0, 2.0);
( 171.1, 157.3, 0.0, 2.0); ( 171.2, 110.0, 0.0, 2.0);
( 171.3, 62.7, 0.0, 2.0); ( 171.4, 15.5, 0.0, 2.0);
( 171.5, -31.8, 0.0, 2.0); ( 200.9, 251.9, 0.0, 2.0);
( 201.0, 204.6, 0.0, 2.0); ( 201.1, 157.3, 0.0, 2.0);
( 201.2, 110.1, 0.0, 2.0); ( 201.3, 62.8, 0.0, 2.0);
( 201.4, 15.5, 0.0, 2.0); ( 201.5, -31.7, 0.0, 2.0);
( 236.2, 287.3, 0.0, 2.0); ( 186.1, 337.2, 0.0, 2.0);
( 250.9, 252.0, 0.0, 2.0); ( 251.0, 204.7, 0.0, 2.0);
( 251.1, 157.4, 0.0, 2.0); ( 251.2, 110.2, 0.0, 2.0);
( 251.3, 62.9, 0.0, 2.0); ( 251.4, 15.6, 0.0, 2.0);
( 251.5, -31.6, 0.0, 2.0); ( 336.2, 287.5, 0.0, 2.0);
( 321.5, 322.9, 0.0, 2.0); ( 306.7, 358.2, 0.0, 2.0);
( 256.6, 408.1, 0.0, 2.0); ( 221.2, 422.6, 0.0, 2.0);
( 185.8, 437.2, 0.0, 2.0); ( 350.9, 252.2, 0.0, 2.0);
( 351.0, 204.9, 0.0, 2.0); ( 351.1, 157.7, 0.0, 2.0);
( 351.2, 110.4, 0.0, 2.0); ( 351.3, 63.1, 0.0, 2.0);
( 351.4, 15.9, 0.0, 2.0); ( 351.5, -31.4, 0.0, 2.0);
( 634.5, 292.1, 0.0, 2.0); ( 618.2, 331.4, 0.0, 2.0);
( 601.8, 370.6, 0.0, 2.0); ( 585.5, 409.9, 0.0, 2.0);
( 569.1, 449.1, 0.0, 2.0); ( 552.7, 488.4, 0.0, 2.0);
( 536.4, 527.6, 0.0, 2.0); ( 520.0, 566.8, 0.0, 2.0);
( 464.4, 622.3, 0.0, 2.0); ( 425.0, 638.5, 0.0, 2.0);
( 385.7, 654.7, 0.0, 2.0); ( 346.4, 670.8, 0.0, 2.0);
( 307.1, 687.0, 0.0, 2.0); ( 267.8, 703.2, 0.0, 2.0);
( 228.4, 719.4, 0.0, 2.0); ( 189.1, 735.6, 0.0, 2.0);
( 650.9, 252.9, 0.0, 2.0); ( 651.0, 205.6, 0.0, 2.0);
( 651.1, 158.3, 0.0, 2.0); ( 651.2, 111.1, 0.0, 2.0);
( 651.3, 63.8, 0.0, 2.0); ( 651.4, 16.5, 0.0, 2.0);
( 651.5, -30.8, 0.0, 2.0); ( 1133.6, 295.5, 0.0, 2.0);
( 1116.3, 337.1, 0.0, 2.0); ( 1098.9, 378.6, 0.0, 2.0);
( 1081.6, 420.2, 0.0, 2.0); ( 1064.3, 461.7, 0.0, 2.0);
( 1047.0, 503.3, 0.0, 2.0); ( 1029.7, 544.8, 0.0, 2.0);
*** | SCST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** NOX
**MODELOPTs:
CONC URBAN FLAT FLGPOL NOCALM

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*** DI SCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

```

( 1012.3, 586.4, 0.0, 2.0); ( 995.0, 628.0, 0.0, 2.0);
( 977.7, 669.5, 0.0, 2.0); ( 960.4, 711.1, 0.0, 2.0);
( 943.0, 752.6, 0.0, 2.0); ( 925.7, 794.2, 0.0, 2.0);
( 908.4, 835.8, 0.0, 2.0); ( 891.1, 877.3, 0.0, 2.0);
( 873.8, 918.9, 0.0, 2.0); ( 814.8, 977.6, 0.0, 2.0);
( 773.2, 994.7, 0.0, 2.0); ( 731.6, 1011.8, 0.0, 2.0);
( 689.9, 1029.0, 0.0, 2.0); ( 648.3, 1046.1, 0.0, 2.0);
( 606.7, 1063.3, 0.0, 2.0); ( 565.0, 1080.4, 0.0, 2.0);
( 523.4, 1097.5, 0.0, 2.0); ( 481.8, 1114.7, 0.0, 2.0);
( 440.1, 1131.8, 0.0, 2.0); ( 398.5, 1148.9, 0.0, 2.0);
( 356.9, 1166.1, 0.0, 2.0); ( 315.2, 1183.2, 0.0, 2.0);
( 273.6, 1200.3, 0.0, 2.0); ( 232.0, 1217.5, 0.0, 2.0);
( 190.3, 1234.6, 0.0, 2.0); ( 1150.9, 254.0, 0.0, 2.0);
( 1151.0, 206.7, 0.0, 2.0); ( 1151.1, 159.4, 0.0, 2.0);
( 1151.2, 112.2, 0.0, 2.0); ( 1151.3, 64.9, 0.0, 2.0);
( 1151.4, 17.6, 0.0, 2.0); ( 1151.5, -29.7, 0.0, 2.0);
( -133.4, 251.1, 0.0, 2.0); ( -132.7, -31.9, 0.0, 2.0);
( -151.5, -31.9, 0.0, 2.0); ( 150.9, 251.8, 0.0, 2.0);
*** | SCST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
*** NOX
**MODELOPTs:
CONC URBAN FLAT FLGPOL NOCALM

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* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	RECEPTOR XR (METERS)	LOCATION YR (METERS)	DISTANCE (METERS)
L0000001	-153.4	251.1	-5.72
L0000001	-133.4	271.1	-5.82
L0000001	-133.4	251.1	-23.21
L0000002	-86.0	271.3	-7.45
L0000003	-38.7	271.4	-6.07
L0000004	8.7	271.5	-2.03
L0000005	8.7	271.5	-1.74
L0000006	56.1	271.6	-5.72
L0000007	103.5	271.7	-7.04
L0000008	150.9	271.8	-5.40
L0000008	170.9	251.8	-5.93
L0000008	150.9	251.8	-23.09
L0003227	-153.3	203.9	-2.98
L0003227	-133.4	251.1	-5.83
L0003234	171.0	204.5	-3.50
L0003234	150.9	251.8	-5.39
L0003235	-153.3	203.9	-7.32
L0003242	171.0	204.5	-7.51
L0003243	-153.1	156.8	0.96
L0003243	-153.3	203.9	0.25
L0003250	171.0	204.5	0.41

L0003250 171.1 157.3 0.62
L0003251 -153.1 156.8 -7.28
L0003258 171.1 157.3 -7.38
L0003259 -153.1 156.8 -3.69
L0003266 171.1 157.3 -3.50
L0003267 -153.0 109.6 -5.58
L0003274 171.2 110.0 -5.57
L0003275 -153.0 109.6 -6.46
L0003282 171.2 110.0 -6.20
L0003283 -152.9 62.4 -2.48
L0003290 171.3 62.7 -2.33
L0003291 -152.9 62.4 -7.74
L0003298 171.3 62.7 -7.36
L0003299 -152.9 62.4 -0.89
L0003306 171.3 62.7 -0.42
L0003307 -152.8 15.3 -7.34
L0003314 171.4 15.5 -6.80
L0003315 -152.8 15.3 -4.64
L0003315 -132.7 -31.9 -3.45

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS: URBAN FLAT FLGPOL NOCALM
CONC

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

Table with 4 columns: SOURCE ID, RECEPTOR XR (METERS), LOCATION YR (METERS), DISTANCE (METERS). Lists source-receptor pairs and their respective coordinates and distances.

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS: URBAN FLAT FLGPOL NOCALM
CONC

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

Grid of 1s and 0s representing meteorological days selected for processing across various source-receptor combinations.

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

Table mapping Stability Categories (A-F) to Wind Speed Categories (1-6) with corresponding wind speed values in scientific notation.

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

Table mapping Stability Categories (A-F) to Wind Speed Categories (1-6) with corresponding vertical potential temperature gradient values in scientific notation.

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS: URBAN FLAT FLGPOL NOCALM
CONC

*** THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

FILE: REDLANDS.ASC
FORMAT: (412, 2F9.4, F6.1, I2, 2F7.1, f9.4, f10.1, f8.4, i4, f7.2)
SURFACE STATION NO.: 54161 UPPER AIR STATION NO.: 99999
NAME: REDLANDS NAME: UNKNOWN
YEAR: 1981 YEAR: 1981

Table with columns: YR, MN, DY, HR, FLOW VECTOR, SPEED (M/S), TEMP (K), STAB CLASS, MIXING HEIGHT (M) RURAL, URBAN, USTAR (M/S), M-O LENGTH (M), Z-O (M), IPCODE, PRATE (mm/HR). Shows meteorological data for the first 24 hours.

81	01	01	04	301.0	0.00	283.1	7	475.8	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	05	286.5	0.00	282.6	7	460.3	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	06	297.0	0.00	283.1	7	444.7	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	07	297.0	0.00	285.4	6	1.4	170.7	0.0000	0.0	0.0000	0	0.00
81	01	01	08	314.6	1.00	287.6	5	47.0	192.0	0.0000	0.0	0.0000	0	0.00
81	01	01	09	299.0	1.00	289.8	4	92.5	213.3	0.0000	0.0	0.0000	0	0.00
81	01	01	10	54.2	1.34	291.5	3	138.0	234.7	0.0000	0.0	0.0000	0	0.00
81	01	01	11	89.1	1.79	294.3	3	183.5	256.0	0.0000	0.0	0.0000	0	0.00
81	01	01	12	103.1	1.34	297.6	2	229.0	277.3	0.0000	0.0	0.0000	0	0.00
81	01	01	13	87.2	1.34	298.7	2	274.5	298.7	0.0000	0.0	0.0000	0	0.00
81	01	01	14	124.2	1.79	299.8	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	15	134.8	2.24	299.3	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	16	98.2	2.24	298.7	4	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	17	110.1	2.24	295.4	5	325.6	318.5	0.0000	0.0	0.0000	0	0.00
81	01	01	18	210.1	1.00	291.5	6	357.2	310.3	0.0000	0.0	0.0000	0	0.00
81	01	01	19	268.0	1.00	289.8	7	388.8	302.1	0.0000	0.0	0.0000	0	0.00
81	01	01	20	303.2	1.00	287.0	7	420.4	293.9	0.0000	0.0	0.0000	0	0.00
81	01	01	21	291.1	1.34	286.5	7	452.0	285.7	0.0000	0.0	0.0000	0	0.00
81	01	01	22	294.5	1.34	287.0	7	483.5	277.4	0.0000	0.0	0.0000	0	0.00
81	01	01	23	293.2	0.00	285.9	7	515.1	269.2	0.0000	0.0	0.0000	0	0.00
81	01	01	24	292.2	0.00	285.4	7	546.7	261.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** I SCST3 - VERSION 02035 *** ** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION
*** NOX

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**MODELOPTs:
CONC

URBAN FLAT FLGPOL

NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
L0000228, L0003229, L0003230, L0003231, L0003232, L0003233, L0003234, L0003235, L0003236, L0003237,
L0003238, L0003239, L0003240, L0003241, L0003242, L0003243, L0003244, L0003245, L0003246, L0003247, L0003248, . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX_		IN MICROGRAMS/M**3		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
151.51	-51.85	628.21796	(81080108)	104.14	-51.85	634.38916	(81080108)
56.76	-51.85	620.01642	(81080108)	9.39	-51.85	576.69135	(81032908)
-37.98	-51.85	580.16699	(81032908)	-85.36	-51.85	580.71375	(81030608)
-132.73	-51.85	620.48077	(81030608)	151.51	-81.85	551.91742	(81080108)
104.14	-81.85	532.78076	(81080108)	56.76	-81.85	543.69739	(81032908)
9.39	-81.85	559.45142	(81032908)	-37.98	-81.85	560.86627	(81032908)
-85.36	-81.85	545.92755	(81032908)	-132.73	-81.85	502.38565	(81030608)
186.90	-117.17	424.44635	(81080108)	236.90	-67.06	439.46515	(81042509)
151.51	-131.85	392.12820	(81080108)	104.14	-131.85	361.31561	(81080108)
56.76	-131.85	396.87988	(81032908)	9.39	-131.85	417.30661	(81032908)
-37.98	-131.85	419.90714	(81032908)	-85.36	-131.85	403.32162	(81032908)
-132.73	-131.85	314.17120	(81030608)	186.90	-217.17	255.13383	(81080108)
222.30	-202.48	280.37866	(81080108)	257.69	-187.80	275.32755	(81080108)
307.69	-137.69	284.64276	(81081408)	322.30	-102.26	292.08978	(81091308)
336.90	-66.84	293.67517	(81122713)	151.51	-231.85	214.06863	(81080108)
104.14	-231.85	207.96252	(81012715)	56.76	-231.85	247.19769	(81032908)
9.39	-231.85	274.81888	(81032908)	-37.98	-231.85	280.77725	(81032908)
-85.36	-231.85	266.20593	(81032908)	-132.73	-231.85	215.64059	(81032908)
190.84	-515.54	97.39507	(81032914)	230.16	-499.22	98.00121	(81022709)
269.49	-482.91	98.85487	(81022809)	308.82	-466.59	107.77275	(81080108)
348.14	-450.28	124.33145	(81080108)	387.47	-433.96	131.06758	(81080108)
426.80	-417.65	126.00535	(81080108)	466.12	-401.33	110.43524	(81080108)
521.68	-345.65	124.59579	(81081408)	537.91	-306.29	129.64113	(81081408)
554.14	-266.93	133.25122	(81042509)	570.36	-227.57	134.99730	(81080808)
586.59	-188.21	136.02373	(81122713)	602.82	-148.84	136.56123	(81082008)
619.05	-109.48	127.03837	(81082008)	635.28	-70.12	133.07416	(81052808)
151.51	-531.85	94.97446	(81012715)	104.14	-531.85	96.25506	(81012308)
56.76	-531.85	98.18005	(81032908)	9.39	-531.85	119.09557	(81032908)
-37.98	-531.85	129.89029	(81032908)	-85.36	-531.85	128.43796	(81032908)
-132.73	-531.85	114.78134	(81032908)	193.15	-1014.58	44.07209	(81012308)
234.79	-997.30	44.22547	(81012308)	276.43	-980.03	45.23631	(81012715)
318.07	-962.75	45.53559	(81032914)	359.71	-945.48	45.91089	(81022709)
401.35	-928.20	45.89721	(81021111)	442.99	-910.93	45.75754	(81021111)
484.63	-893.65	46.09472	(81022809)	526.27	-876.38	45.70767	(81040109)
567.91	-859.10	52.02286	(81080108)	609.55	-841.83	57.55436	(81080108)
651.19	-824.56	60.00747	(81080108)	692.83	-807.28	59.04001	(81080108)
734.47	-790.01	54.88870	(81080108)	776.11	-772.73	48.28907	(81080108)
817.75	-755.46	41.32527	(81042308)	876.57	-696.51	53.00176	(81081408)
893.76	-654.83	57.30386	(81081408)	910.94	-613.15	58.76382	(81081408)
928.12	-571.47	58.99371	(81042509)	945.31	-529.80	60.60894	(81042509)

*** I SCST3 - VERSION 02035 *** ** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION
*** NOX

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**MODELOPTs:
CONC

URBAN FLAT FLGPOL

NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
L0000228, L0003229, L0003230, L0003231, L0003232, L0003233, L0003234, L0003235, L0003236, L0003237,
L0003238, L0003239, L0003240, L0003241, L0003242, L0003243, L0003244, L0003245, L0003246, L0003247, L0003248, . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX_		IN MICROGRAMS/M**3		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
962.49	-488.12	61.41199	(81091308)	979.67	-446.44	61.98253	(81080808)
996.86	-404.76	62.15355	(81122713)	1014.04	-363.08	62.43272	(81082008)
1031.22	-321.41	61.99102	(81082008)	1048.41	-279.73	57.80759	(81082008)
1065.59	-238.05	55.70116	(81052808)	1082.77	-196.37	60.45070	(81052808)
1099.96	-154.70	61.67749	(81052808)	1117.14	-113.02	60.87697	(81051510)
1134.32	-71.34	60.25404	(81060208)	151.51	-1031.85	41.58606	(81012308)
104.14	-1031.85	37.67463	(81012308)	56.76	-1031.85	40.10889	(81032908)
9.39	-1031.85	48.46307	(81032908)	-37.98	-1031.85	54.83625	(81032908)
-85.36	-1031.85	58.19825	(81032908)	-132.73	-1031.85	57.99715	(81032908)
-152.73	-31.89	662.42096	(81030608)	-152.83	15.27	870.04486	(81011708)
-152.94	62.44	918.37024	(81011708)	-153.04	109.61	959.83765	(81121908)
-153.14	156.77	992.70721	(81011408)	-153.25	203.94	1017.33417	(81113008)
-153.35	251.11	1109.40271	(81121008)	-182.73	-31.96	595.35291	(81091608)
-182.83	15.21	965.29608	(81011708)	-182.94	62.37	1020.49402	(81011708)
-183.04	109.54	1022.04852	(81112208)	-183.14	156.71	1031.08801	(81120808)
-183.25	203.87	1048.64941	(81121708)	-183.35	251.04	1051.57275	(81113008)
-218.05	-67.35	440.25830	(81100408)	-168.05	-117.24	383.29660	(81030608)
-232.73	-32.07	481.24387	(81011708)	-232.83	15.10	783.32861	(81011708)
-232.94	62.26	842.47528	(81011708)	-233.04	109.43	845.29388	(81011708)
-233.14	156.60	847.65930	(81122908)	-233.25	203.76	852.93335	(81012008)
-233.35	250.93	850.89771	(81012508)	-318.05	-67.57	287.01505	(81091608)
-303.36	-102.86	292.23132	(81091608)	-288.68	-138.14	285.01648	(81100408)

-238.68	-188.03	255.39764	(81030608)	-203.36	-202.64	216.81558	(81030608)
-168.05	-217.24	209.54195	(81030712)	-332.73	-32.29	368.70718	(81011708)
-332.83	14.88	552.49670	(81011708)	-332.94	62.05	610.21075	(81011708)
-333.04	109.21	613.91772	(81011708)	-333.14	156.38	615.52252	(81112208)
-333.25	203.55	615.28973	(81120808)	-333.35	250.71	611.50623	(81121908)
-616.41	-72.15	159.65002	(81011708)	-600.10	-111.36	134.74110	(81102608)
-583.78	-150.56	135.87279	(81120509)	-567.47	-189.77	128.41072	(81091608)
-551.15	-228.97	135.32246	(81091608)	-534.84	-268.18	129.38342	(81091608)
-518.53	-307.38	130.22928	(81100408)	-502.21	-346.59	125.67042	(81030608)
-446.66	-402.02	115.69087	(81030608)	-407.41	-418.25	101.23940	(81030608)
-368.17	-434.48	97.54738	(81020910)	-328.93	-450.71	99.16216	(81041108)
-289.69	-466.93	99.32272	(81030712)	-250.45	-483.16	99.38612	(81030609)
-211.21	-499.39	95.43873	(81032309)	-171.97	-515.62	98.06365	(81032908)
-632.73	-32.95	233.77702	(81011708)	-632.83	14.22	306.40195	(81011708)
-632.94	61.39	341.46188	(81011708)	-633.04	108.55	337.88965	(81011708)
-633.14	155.72	340.33990	(81112708)	-633.25	202.89	341.98999	(81111708)
-633.35	250.05	339.42490	(81111008)	-1115.45	-75.55	126.10429	(81011708)
-1098.18	-117.06	92.57849	(81011708)	-1080.90	-158.57	63.51078	(81120309)

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***

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**MODELOPTs:
CONC

URBAN FLAT FLGPOL

NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
 L0000228, L0003229, L0003230, L0003231, L0003232, L0003233, L0003234, L0003235, L0003236, L0003237,
 L0003238, L0003239, L0003240, L0003241, L0003242, L0003243, L0003244, L0003245, L0003246, L0003247, L0003248, . . .

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX_ IN MICROGRAMS/M**3				**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
-1063.63	-200.09	61.42846	(81120309)	-1046.36	-241.60	58.56430	(81102608)
-1029.08	-283.11	62.29969	(81102608)	-1011.81	-324.62	62.29258	(81120509)
-994.53	-366.13	58.51606	(81120509)	-977.26	-407.64	56.90302	(81091608)
-959.98	-449.15	60.91820	(81091608)	-942.71	-490.66	61.34689	(81091608)
-925.43	-532.18	58.18235	(81091608)	-908.16	-573.69	57.98357	(81100408)
-890.89	-615.20	58.96543	(81100408)	-873.61	-656.71	56.76103	(81100408)
-856.34	-698.22	56.76894	(81030608)	-797.51	-756.91	52.61543	(81030608)
-755.96	-774.10	47.97342	(81030608)	-714.42	-791.28	43.83861	(81040808)
-672.87	-808.46	43.19627	(81040808)	-631.32	-825.65	44.59538	(81020910)
-589.77	-842.83	45.23602	(81020910)	-548.22	-860.02	45.70351	(81041108)
-506.67	-877.20	45.45201	(81030712)	-465.12	-894.38	46.04320	(81030712)
-423.57	-911.57	46.06821	(81030609)	-382.02	-928.75	43.83122	(81030609)
-340.47	-945.93	44.76939	(81032309)	-298.93	-963.12	45.63570	(81032309)
-257.38	-980.30	43.87495	(81032309)	-215.83	-997.48	50.98664	(81032908)
-174.28	-1014.67	55.90362	(81032908)	-1132.73	-34.04	155.49384	(81011708)
-1132.83	13.13	179.92433	(81011708)	-1132.93	60.29	188.07068	(81011708)
-1133.04	107.46	177.90967	(81011708)	-1133.14	154.63	168.20456	(81112708)
-1133.24	201.79	185.24817	(81112708)	-1133.35	248.96	186.17966	(81112208)
-133.39	271.15	1075.59290	(81022008)	-86.02	271.25	1052.65088	(81111208)
-38.65	271.36	1006.24963	(81031108)	8.73	271.46	948.19910	(81031108)
56.10	271.56	1024.65881	(81031808)	103.47	271.67	1051.78784	(81102808)
150.85	271.77	1052.93042	(81102808)	-133.46	301.15	995.29749	(81111208)
-86.09	301.25	968.76532	(81111508)	-38.71	301.36	959.24207	(81031108)
8.66	301.46	946.43988	(81013008)	56.03	301.56	949.05133	(81013008)
103.41	301.67	971.59070	(81031808)	150.78	301.77	992.55463	(81102808)
-168.89	336.43	836.81879	(81111208)	-218.78	286.32	868.77576	(81122308)
-133.57	351.15	787.71326	(81111508)	-86.19	351.25	790.25452	(81031108)
-38.82	351.36	780.48645	(81031108)	8.55	351.46	779.05566	(81013008)
55.93	351.56	782.02930	(81013008)	103.30	351.67	773.14850	(81013008)
150.67	351.77	791.11285	(81031808)	-169.11	436.43	570.76111	(81111508)
-204.43	421.71	610.17230	(81111508)	-239.76	406.98	613.47552	(81021508)
-289.65	356.87	625.25476	(81111108)	-304.21	321.49	634.51971	(81010908)
-318.78	286.10	627.54449	(81121708)	-133.79	451.15	571.49188	(81031108)
-86.41	451.25	569.89520	(81031108)	-39.04	451.36	540.26587	(81031108)
8.33	451.46	561.98645	(81013008)	55.71	451.56	572.17987	(81013008)
103.08	451.67	563.28271	(81013008)	150.45	451.77	516.14490	(81031808)
-173.69	734.79	325.44937	(81031108)	-212.94	718.43	331.52045	(81031108)
-252.19	702.08	305.25092	(81031108)	-291.43	685.72	300.49417	(81111508)
-330.68	669.36	336.60352	(81111508)	-369.93	653.00	340.23474	(81111208)
-409.18	636.65	337.53830	(81021508)	-448.43	620.29	332.74762	(81022008)

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***

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**MODELOPTs:
CONC

URBAN FLAT FLGPOL

NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
 L0000228, L0003229, L0003230, L0003231, L0003232, L0003233, L0003234, L0003235, L0003236, L0003237,
 L0003238, L0003239, L0003240, L0003241, L0003242, L0003243, L0003244, L0003245, L0003246, L0003247, L0003248, . . .

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX_ IN MICROGRAMS/M**3				**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
-503.86	564.61	335.95529	(81010808)	-520.05	525.29	342.99255	(81122308)
-536.23	485.97	345.82162	(81113008)	-452.42	446.65	351.59860	(81122608)
-568.61	407.33	351.45651	(81012508)	-584.79	368.01	351.56406	(81021608)
-600.98	328.69	348.46579	(81012008)	-617.16	289.37	344.59109	(81120408)
-134.44	751.15	293.55832	(81031108)	-87.07	751.25	242.29918	(81031108)
-39.69	751.36	238.98830	(81031508)	7.68	751.46	279.89679	(81013008)
55.05	751.56	317.31866	(81013008)	102.43	751.67	324.96515	(81013008)
149.80	751.77	301.70908	(81013008)	-177.09	1233.83	105.03993	(81102908)
-218.65	1216.51	133.73961	(81031108)	-260.20	1199.19	164.04657	(81031108)
-301.76	1181.87	184.18935	(81031108)	-343.32	1164.55	189.59277	(81031108)
-384.87	1147.23	178.49117	(81031108)	-426.43	1129.91	152.79936	(81031108)
-467.99	1112.59	142.51411	(81102008)	-509.54	1095.27	151.38173	(81111508)
-551.10	1077.95	177.37833	(81111508)	-592.66	1060.63	189.59338	(81111508)
-634.22	1043.31	187.42451	(81111208)	-675.77	1025.99	185.09932	(81111208)
-717.33	1008.67	185.65555	(81021508)	-758.89	991.35	179.49509	(81022008)
-800.44	974.03	180.58022	(81022008)	-859.14	915.08	181.22647	(81021808)
-876.28	873.44	183.79172	(81121008)	-893.41	831.81	185.14485	(81122308)
-910.55	790.18	186.80383	(81122308)	-927.69	748.55	188.64165	(81113008)
-944.83	706.92	192.78897	(81121508)	-961.97	665.28	193.62267	(81110908)
-979.11	623.65	194.80185	(81012508)	-996.24	582.02	195.54486	(81121408)
-1013.38	540.39	194.90163	(81021608)	-1030.52	498.75	195.12840	(81121908)
-1047.66	457.12	194.68726	(81122008)	-1064.80	415.49	192.59152	(81120408)
-1081.93	373.86	192.46252	(81120808)	-1099.07	332.22	190.87177	(81111008)
-1116.21	290.59	188.73976	(81111708)	-135.53	1251.15	102.86398	(81031508)
-88.16	1251.25	123.87680	(81031508)	-40.78	1251.35	135.22365	(81031508)
6.59	1251.46	134.45068	(81031508)	53.96	1251.56	148.80609	(81013008)
101.34	1251.66	172.26419	(81013008)	148.71	1251.77	181.47096	(81013008)
170.89	251.81	1025.03589	(81102808)	170.99	204.54	861.61591	(81102808)
171.10	157.27	746.66077	(81102808)	171.20	110.00	601.31903	(81081608)
171.30	62.73	603.75140	(81082008)	171.41	15.46	672.62793	(81091308)

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171.51 -31.81 659.28528 (81081408) 200.89 251.88 829.08771 (81102808)
200.99 204.61 703.44415 (81102808) 201.10 157.34 626.02124 (81121308)
201.20 110.07 625.43268 (81111009) 201.30 62.80 625.00244 (81051510)
201.41 15.53 620.04224 (81082008) 201.51 -31.74 593.48962 (81042509)
236.17 287.31 631.10193 (81102808) 186.06 337.20 834.11285 (81102808)
250.89 251.99 462.01749 (81102808) 250.99 204.72 458.51114 (81082808)
251.10 157.45 460.87515 (81082308) 251.20 110.18 461.28641 (81111009)
251.30 62.91 460.64490 (81122714) 251.41 15.64 454.64661 (81052808)
251.51 -31.63 440.58115 (81122713) 336.17 287.53 295.08813 (81080908)
321.45 322.85 294.49811 (81090408) 306.72 358.18 396.67285 (81102808)
*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***
*** NOX *** 12/01/06
11:35:43
**MODELOPTs:
CONC URBAN FLAT FLGPOL NOCALM

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
L0000008, L0003227, L0003228, L0003229, L0003230, L0003231, L0003232, L0003233, L0003234, L0003235, L0003236, L0003237,
L0003238, L0003239, L0003240, L0003241, L0003242, L0003243, L0003244, L0003245, L0003246, L0003247, L0003248, . . . ,

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*** DI SCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF NOX_ IN MICROGRAMS/M**3 **
X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)
-----
256.62 408.07 595.67749 (81102808) 221.23 422.63 607.56152 (81031808)
185.84 437.20 580.49426 (81031808) 350.89 252.21 290.80469 (81081608)
350.99 204.94 298.64151 (81092608) 351.10 157.67 301.69006 (81050508)
351.20 110.40 302.89706 (81111009) 351.30 63.13 301.44400 (81122714)
351.41 15.86 298.09857 (81052808) 351.51 -31.41 285.80698 (81082008)
634.53 292.11 135.10374 (81082808) 618.17 331.36 136.56528 (81081608)
601.82 370.61 135.83849 (81052708) 585.46 409.85 136.68767 (81080908)
569.10 449.10 135.77138 (81072308) 552.74 488.35 133.68089 (81052909)
536.39 527.60 130.79745 (81091408) 520.03 566.85 136.79227 (81102808)
464.35 622.28 267.95416 (81102808) 425.03 638.47 322.39722 (81102808)
385.71 654.65 341.12939 (81102808) 346.39 670.84 341.66046 (81031808)
307.08 687.02 318.38757 (81031808) 267.76 703.21 267.55267 (81031808)
228.44 719.40 200.73216 (81031808) 189.12 735.58 259.14548 (81013008)
650.89 252.86 132.90794 (81121308) 650.99 205.59 134.52563 (81082308)
651.10 158.32 136.42921 (81053109) 651.20 111.05 136.94173 (81111009)
651.30 63.78 136.50049 (81072708) 651.41 16.51 135.19844 (81122714)
651.51 -30.76 133.06619 (81051510) 1133.57 295.51 60.28868 (81082308)
1116.25 337.07 61.07935 (81121308) 1098.93 378.63 61.69328 (81092608)
1081.61 420.18 62.10156 (81082808) 1064.29 461.74 61.58081 (81082808)
1046.97 503.30 62.72915 (81081608) 1029.65 544.85 62.14728 (81052708)
1012.33 586.41 62.74733 (81123108) 995.01 627.97 62.43287 (81080908)
977.69 669.52 61.82950 (81060908) 960.37 711.08 61.33986 (81052908)
943.05 752.64 60.74865 (81052909) 925.73 794.19 60.01180 (81032209)
908.41 835.75 59.08173 (81061109) 891.09 877.31 57.96204 (81092708)
873.77 918.86 56.92783 (81032408) 814.82 977.56 94.10456 (81102808)
773.19 994.70 128.33467 (81102808) 731.56 1011.83 159.85593 (81102808)
689.92 1028.97 181.81845 (81102808) 648.29 1046.11 188.82962 (81102808)
606.66 1063.25 189.01976 (81031808) 565.03 1080.39 187.81325 (81031808)
523.40 1097.52 170.25551 (81031808) 481.76 1114.66 140.70282 (81031808)
440.13 1131.80 105.65479 (81031808) 398.50 1148.94 71.62823 (81031808)
356.87 1166.08 67.27335 (81013008) 315.24 1183.22 100.34432 (81013008)
273.60 1200.35 133.88803 (81013008) 231.97 1217.49 161.63684 (81013008)
190.34 1234.63 178.42065 (81013008) 1150.89 253.96 58.52865 (81050508)
1150.99 206.69 59.65700 (81050508) 1151.09 159.42 59.59222 (81053109)
1151.20 112.15 60.09959 (81111009) 1151.30 64.88 59.74824 (81060209)
1151.40 17.61 59.75246 (81080608) 1151.51 -29.66 59.00899 (81122714)
-133.35 251.15 1088.05249 (81021808) -132.73 -31.85 661.82715 (81030608)
151.51 -31.85 655.00983 (81081408) 150.89 251.77 1012.08063 (81102808)
*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***
*** NOX *** 12/01/06
11:35:43
**MODELOPTs:
CONC URBAN FLAT FLGPOL NOCALM

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*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***
** CONC OF NOX_ IN MICROGRAMS/M**3 **

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GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 1109.40271	ON 81121008: AT (-153.35, 251.11, 0.00, 2.00)	DC	NA

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*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
BD = BOUNDARY

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*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***
*** NOX *** 12/01/06
11:35:43
**MODELOPTs:
CONC URBAN FLAT FLGPOL NOCALM

```

*** Message Summary : I SCST3 Model Execution ***

----- Summary of Total Messages -----

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A Total of 0 Fatal Error Message(s)
A Total of 112 Warning Message(s)
A Total of 1398 Informational Message(s)
A Total of 1398 Calm Hours Identified

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***** FATAL ERROR MESSAGES *****
*** NONE ***

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***** WARNING MESSAGES *****

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SO W320 346 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 347 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 348 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 349 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 350 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 351 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 352 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 353 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 354 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 355 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 356 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T
SO W320 357 VPARAM : Input Parameter May Be Out-of-Range For Parameter SZINI T

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**MODELOPTS: URBAN FLAT FLGPOL NOCALM
 CONC

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected
 **Model Is Setup For Calculation of Average CONCentration Values.
 -- SCAVENGING/DEPOSITION LOGIC --
 **Model Uses NO DRY DEPLETION. DDPLETE = F
 **Model Uses NO WET DEPLETION. WDPLETE = F
 **NO WET SCAVENGING Data Provided.
 **NO GAS DRY DEPOSITION Data Provided.
 **Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations
 **Model Uses URBAN Dispersion.

- **Model Uses User-Specified Options:
1. Final Plume Rise.
 2. Stack-tip Downwash.
 3. Buoyancy-induced Dispersion.
 4. Not Use Calms Processing Routine.
 5. Not Use Missing Data Processing Routine.
 6. Default Wind Profile Exponents.
 7. Default Vertical Potential Temperature Gradients.

**Model Assumes Receptors on FLAT Terrain.
 **Model Accepts FLAGPOLE Receptor Heights.
 **Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR
 **This Run Includes: 112 Source(s); 1 Source Group(s); and 396 Receptor(s)
 **The Model Assumes A Pollutant Type of: CO_
 **Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:
 Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 **Misc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.1000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 1.3 MB of RAM.

**MODELOPTS: URBAN FLAT FLGPOL NOCALM
 CONC

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0000001	0	0.66375E-01	-123.0	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000002	0	0.66375E-01	-85.3	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000003	0	0.66375E-01	-47.6	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000004	0	0.66375E-01	-9.9	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000005	0	0.66375E-01	27.9	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000006	0	0.66375E-01	65.6	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000007	0	0.66375E-01	103.3	241.0	0.0	5.00	17.54	0.00	HROFDY
L0000008	0	0.66375E-01	141.0	241.0	0.0	5.00	17.54	0.00	HROFDY
L0003115	0	0.66375E-01	-123.0	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003116	0	0.66375E-01	-85.3	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003117	0	0.66375E-01	-47.6	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003118	0	0.66375E-01	-9.9	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003119	0	0.66375E-01	27.9	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003120	0	0.66375E-01	65.6	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003121	0	0.66375E-01	103.3	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003122	0	0.66375E-01	141.0	221.0	0.0	5.00	17.54	0.00	HROFDY
L0003123	0	0.66375E-01	-123.0	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003124	0	0.66375E-01	-85.3	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003125	0	0.66375E-01	-47.6	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003126	0	0.66375E-01	-9.9	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003127	0	0.66375E-01	27.9	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003128	0	0.66375E-01	65.6	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003129	0	0.66375E-01	103.3	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003130	0	0.66375E-01	141.0	201.0	0.0	5.00	17.54	0.00	HROFDY
L0003131	0	0.66375E-01	-123.0	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003132	0	0.66375E-01	-85.3	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003133	0	0.66375E-01	-47.6	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003134	0	0.66375E-01	-9.9	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003135	0	0.66375E-01	27.9	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003136	0	0.66375E-01	65.6	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003137	0	0.66375E-01	103.3	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003138	0	0.66375E-01	141.0	181.0	0.0	5.00	17.54	0.00	HROFDY
L0003139	0	0.66375E-01	-123.0	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003140	0	0.66375E-01	-85.3	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003141	0	0.66375E-01	-47.6	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003142	0	0.66375E-01	-9.9	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003143	0	0.66375E-01	27.9	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003144	0	0.66375E-01	65.6	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003145	0	0.66375E-01	103.3	161.0	0.0	5.00	17.54	0.00	HROFDY
L0003146	0	0.66375E-01	141.0	161.0	0.0	5.00	17.54	0.00	HROFDY

**MODELOPTS: URBAN FLAT FLGPOL NOCALM
 CONC

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	EMISSION RATE SCALAR VARY
--------	--------------	---------------------------	---	---	------------	----------------	----------	----------	---------------------------

ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0003147	0	0.66375E-01	-123.0	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003148	0	0.66375E-01	-85.3	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003149	0	0.66375E-01	-47.6	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003150	0	0.66375E-01	-9.9	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003151	0	0.66375E-01	27.9	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003152	0	0.66375E-01	65.6	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003153	0	0.66375E-01	103.3	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003154	0	0.66375E-01	141.0	141.0	0.0	5.00	17.54	0.00	HROFDY
L0003155	0	0.66375E-01	-123.0	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003156	0	0.66375E-01	-85.3	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003157	0	0.66375E-01	-47.6	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003158	0	0.66375E-01	-9.9	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003159	0	0.66375E-01	27.9	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003160	0	0.66375E-01	65.6	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003161	0	0.66375E-01	103.3	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003162	0	0.66375E-01	141.0	121.0	0.0	5.00	17.54	0.00	HROFDY
L0003163	0	0.66375E-01	-123.0	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003164	0	0.66375E-01	-85.3	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003165	0	0.66375E-01	-47.6	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003166	0	0.66375E-01	-9.9	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003167	0	0.66375E-01	27.9	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003168	0	0.66375E-01	65.6	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003169	0	0.66375E-01	103.3	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003170	0	0.66375E-01	141.0	101.0	0.0	5.00	17.54	0.00	HROFDY
L0003171	0	0.66375E-01	-123.0	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003172	0	0.66375E-01	-85.3	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003173	0	0.66375E-01	-47.6	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003174	0	0.66375E-01	-9.9	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003175	0	0.66375E-01	27.9	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003176	0	0.66375E-01	65.6	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003177	0	0.66375E-01	103.3	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003178	0	0.66375E-01	141.0	81.0	0.0	5.00	17.54	0.00	HROFDY
L0003179	0	0.66375E-01	-123.0	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003180	0	0.66375E-01	-85.3	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003181	0	0.66375E-01	-47.6	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003182	0	0.66375E-01	-9.9	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003183	0	0.66375E-01	27.9	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003184	0	0.66375E-01	65.6	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003185	0	0.66375E-01	103.3	61.0	0.0	5.00	17.54	0.00	HROFDY
L0003186	0	0.66375E-01	141.0	61.0	0.0	5.00	17.54	0.00	HROFDY

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION *** 12/01/06
 *** CO *** 11:34:20
 **MODELOPTS: URBAN FLAT FLGPOL NOCALM PAGE 4
 CONC

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0003187	0	0.66375E-01	-123.0	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003188	0	0.66375E-01	-85.3	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003189	0	0.66375E-01	-47.6	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003190	0	0.66375E-01	-9.9	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003191	0	0.66375E-01	27.9	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003192	0	0.66375E-01	65.6	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003193	0	0.66375E-01	103.3	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003194	0	0.66375E-01	141.0	41.0	0.0	5.00	17.54	0.00	HROFDY
L0003195	0	0.66375E-01	-123.0	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003196	0	0.66375E-01	-85.3	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003197	0	0.66375E-01	-47.6	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003198	0	0.66375E-01	-9.9	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003199	0	0.66375E-01	27.9	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003200	0	0.66375E-01	65.6	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003201	0	0.66375E-01	103.3	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003202	0	0.66375E-01	141.0	21.0	0.0	5.00	17.54	0.00	HROFDY
L0003203	0	0.66375E-01	-123.0	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003204	0	0.66375E-01	-85.3	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003205	0	0.66375E-01	-47.6	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003206	0	0.66375E-01	-9.9	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003207	0	0.66375E-01	27.9	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003208	0	0.66375E-01	65.6	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003209	0	0.66375E-01	103.3	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003210	0	0.66375E-01	141.0	1.0	0.0	5.00	17.54	0.00	HROFDY
L0003211	0	0.66375E-01	-123.0	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003212	0	0.66375E-01	-85.3	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003213	0	0.66375E-01	-47.6	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003214	0	0.66375E-01	-9.9	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003215	0	0.66375E-01	27.9	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003216	0	0.66375E-01	65.6	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003217	0	0.66375E-01	103.3	-19.0	0.0	5.00	17.54	0.00	HROFDY
L0003218	0	0.66375E-01	141.0	-19.0	0.0	5.00	17.54	0.00	HROFDY

*** I SCST3 - VERSION 02035 *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION *** 12/01/06
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID	SOURCE IDs
ALL	L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0003115, L0003116, L0003117, L0003118, L0003119, L0003120, L0003121, L0003122, L0003123, L0003124, L0003125, L0003126, L0003127, L0003128, L0003129, L0003130, L0003131, L0003132, L0003133, L0003134, L0003135, L0003136, L0003137, L0003138, L0003139, L0003140, L0003141, L0003142, L0003143, L0003144, L0003145, L0003146, L0003147, L0003148, L0003149, L0003150, L0003151, L0003152, L0003153, L0003154, L0003155, L0003156, L0003157, L0003158, L0003159, L0003160, L0003161, L0003162, L0003163, L0003164, L0003165, L0003166, L0003167, L0003168, L0003169, L0003170, L0003171, L0003172, L0003173, L0003174, L0003175, L0003176, L0003177, L0003178, L0003179, L0003180, L0003181, L0003182, L0003183, L0003184, L0003185, L0003186, L0003187, L0003188, L0003189, L0003190, L0003191, L0003192, L0003193, L0003194, L0003195, L0003196, L0003197, L0003198, L0003199, L0003200, L0003201, L0003202, L0003203, L0003204, L0003205, L0003206, L0003207, L0003208, L0003209, L0003210, L0003211, L0003212, L0003213, L0003214, L0003215, L0003216, L0003217, L0003218

SOURCE ID = L0003211 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .00000E+00
 7 .00000E+00 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .00000E+00 17 .00000E+00 18 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24 .00000E+00

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
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**MODELOPTS:
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URBAN FLAT FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR
SOURCE ID = L0003212 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003213 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003214 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003215 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003216 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
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**MODELOPTS:
 CONC

URBAN FLAT FLGPOL NOCALM

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR	HR	SCALAR
SOURCE ID = L0003217 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

SOURCE ID = L0003218 ;	SOURCE TYPE = VOLUME :										
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .00000E+00	17 .00000E+00	18 .00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON *** 12/01/06
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**MODELOPTS:
 CONC

URBAN FLAT FLGPOL NOCALM

*** DI SCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

(151.5, -51.8, 0.0, 2.0);	(104.1, -51.8, 0.0, 2.0);
(56.8, -51.8, 0.0, 2.0);	(9.4, -51.8, 0.0, 2.0);
(-38.0, -51.8, 0.0, 2.0);	(-85.4, -51.8, 0.0, 2.0);
(-132.7, -51.8, 0.0, 2.0);	(151.5, -81.8, 0.0, 2.0);
(104.1, -81.8, 0.0, 2.0);	(56.8, -81.8, 0.0, 2.0);
(9.4, -81.8, 0.0, 2.0);	(-38.0, -81.8, 0.0, 2.0);
(-85.4, -81.8, 0.0, 2.0);	(-132.7, -81.8, 0.0, 2.0);
(186.9, -117.2, 0.0, 2.0);	(236.9, -67.1, 0.0, 2.0);
(151.5, -131.9, 0.0, 2.0);	(104.1, -131.9, 0.0, 2.0);
(56.8, -131.9, 0.0, 2.0);	(9.4, -131.9, 0.0, 2.0);
(-38.0, -131.9, 0.0, 2.0);	(-85.4, -131.9, 0.0, 2.0);
(-132.7, -131.9, 0.0, 2.0);	(186.9, -217.2, 0.0, 2.0);
(222.3, -202.5, 0.0, 2.0);	(257.7, -187.8, 0.0, 2.0);
(307.7, -137.7, 0.0, 2.0);	(322.3, -102.3, 0.0, 2.0);
(336.9, -66.8, 0.0, 2.0);	(151.5, -231.9, 0.0, 2.0);
(104.1, -231.9, 0.0, 2.0);	(56.8, -231.9, 0.0, 2.0);
(9.4, -231.9, 0.0, 2.0);	(-38.0, -231.9, 0.0, 2.0);
(-85.4, -231.9, 0.0, 2.0);	(-132.7, -231.9, 0.0, 2.0);
(190.8, -515.5, 0.0, 2.0);	(230.2, -499.2, 0.0, 2.0);
(269.5, -482.9, 0.0, 2.0);	(308.8, -466.6, 0.0, 2.0);
(348.1, -450.3, 0.0, 2.0);	(387.5, -434.0, 0.0, 2.0);
(426.8, -417.6, 0.0, 2.0);	(466.1, -401.3, 0.0, 2.0);
(521.7, -345.6, 0.0, 2.0);	(537.9, -306.3, 0.0, 2.0);
(554.1, -266.9, 0.0, 2.0);	(570.4, -227.6, 0.0, 2.0);
(586.6, -188.2, 0.0, 2.0);	(602.8, -148.8, 0.0, 2.0);
(619.0, -109.5, 0.0, 2.0);	(635.3, -70.1, 0.0, 2.0);
(151.5, -531.8, 0.0, 2.0);	(104.1, -531.8, 0.0, 2.0);
(56.8, -531.8, 0.0, 2.0);	(9.4, -531.8, 0.0, 2.0);
(-38.0, -531.8, 0.0, 2.0);	(-85.4, -531.8, 0.0, 2.0);
(-132.7, -531.8, 0.0, 2.0);	(193.1, -1014.6, 0.0, 2.0);
(234.8, -997.3, 0.0, 2.0);	(276.4, -980.0, 0.0, 2.0);
(318.1, -962.8, 0.0, 2.0);	(359.7, -945.5, 0.0, 2.0);

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( 401.4, -928.2, 0.0, 2.0); ( 443.0, -910.9, 0.0, 2.0);
( 484.6, -893.7, 0.0, 2.0); ( 526.3, -876.4, 0.0, 2.0);
( 567.9, -859.1, 0.0, 2.0); ( 609.5, -841.8, 0.0, 2.0);
( 651.2, -824.6, 0.0, 2.0); ( 692.8, -807.3, 0.0, 2.0);
( 734.5, -790.0, 0.0, 2.0); ( 776.1, -772.7, 0.0, 2.0);
( 817.8, -755.5, 0.0, 2.0); ( 876.6, -696.5, 0.0, 2.0);
( 893.8, -654.8, 0.0, 2.0); ( 910.9, -613.2, 0.0, 2.0);
( 928.1, -571.5, 0.0, 2.0); ( 945.3, -529.8, 0.0, 2.0);
( 962.5, -488.1, 0.0, 2.0); ( 979.7, -446.4, 0.0, 2.0);
( 996.9, -404.8, 0.0, 2.0); (1014.0, -363.1, 0.0, 2.0);
(1031.2, -321.4, 0.0, 2.0); (1048.4, -279.7, 0.0, 2.0);
(1065.6, -238.1, 0.0, 2.0); (1082.8, -196.4, 0.0, 2.0);
(1100.0, -154.7, 0.0, 2.0); (1117.1, -113.0, 0.0, 2.0);
*** | SCST3 - VERSION 02035 *** *** OAK CO HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS: CONC URBAN FLAT FLGPOL NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

```

( 1134.3, -71.3, 0.0, 2.0); ( 151.5, -1031.8, 0.0, 2.0);
( 104.1, -1031.8, 0.0, 2.0); ( 56.8, -1031.8, 0.0, 2.0);
( 9.4, -1031.8, 0.0, 2.0); ( -38.0, -1031.8, 0.0, 2.0);
( -85.4, -1031.8, 0.0, 2.0); ( -132.7, -1031.8, 0.0, 2.0);
( -152.7, -31.9, 0.0, 2.0); ( -152.8, 15.3, 0.0, 2.0);
( -152.9, 62.4, 0.0, 2.0); ( -153.0, 109.6, 0.0, 2.0);
( -153.1, 156.8, 0.0, 2.0); ( -153.3, 203.9, 0.0, 2.0);
( -153.4, 251.1, 0.0, 2.0); ( -182.7, -32.0, 0.0, 2.0);
( -182.8, 15.2, 0.0, 2.0); ( -182.9, 62.4, 0.0, 2.0);
( -183.0, 109.5, 0.0, 2.0); ( -183.1, 156.7, 0.0, 2.0);
( -183.3, 203.9, 0.0, 2.0); ( -183.4, 251.0, 0.0, 2.0);
( -218.1, -67.3, 0.0, 2.0); ( -168.1, -117.2, 0.0, 2.0);
( -232.7, -32.1, 0.0, 2.0); ( -232.8, 15.1, 0.0, 2.0);
( -232.9, 62.3, 0.0, 2.0); ( -233.0, 109.4, 0.0, 2.0);
( -233.1, 156.6, 0.0, 2.0); ( -233.3, 203.8, 0.0, 2.0);
( -233.4, 250.9, 0.0, 2.0); ( -318.0, -67.6, 0.0, 2.0);
( -303.4, -102.9, 0.0, 2.0); ( -288.7, -138.1, 0.0, 2.0);
( -238.7, -188.0, 0.0, 2.0); ( -203.4, -202.6, 0.0, 2.0);
( -168.1, -217.2, 0.0, 2.0); ( -332.7, -32.3, 0.0, 2.0);
( -332.8, 14.9, 0.0, 2.0); ( -332.9, 62.0, 0.0, 2.0);
( -333.0, 109.2, 0.0, 2.0); ( -333.1, 156.4, 0.0, 2.0);
( -333.3, 203.6, 0.0, 2.0); ( -333.4, 250.7, 0.0, 2.0);
( -616.4, -72.2, 0.0, 2.0); ( -600.1, -111.4, 0.0, 2.0);
( -583.8, -150.6, 0.0, 2.0); ( -567.5, -189.8, 0.0, 2.0);
( -551.2, -229.0, 0.0, 2.0); ( -534.8, -268.2, 0.0, 2.0);
( -518.5, -307.4, 0.0, 2.0); ( -502.2, -346.6, 0.0, 2.0);
( -446.7, -402.0, 0.0, 2.0); ( -407.4, -418.3, 0.0, 2.0);
( -368.2, -434.5, 0.0, 2.0); ( -328.9, -450.7, 0.0, 2.0);
( -289.7, -466.9, 0.0, 2.0); ( -250.4, -483.2, 0.0, 2.0);
( -211.2, -499.4, 0.0, 2.0); ( -172.0, -515.6, 0.0, 2.0);
( -632.7, -33.0, 0.0, 2.0); ( -632.8, 14.2, 0.0, 2.0);
( -632.9, 61.4, 0.0, 2.0); ( -633.0, 108.6, 0.0, 2.0);
( -633.1, 155.7, 0.0, 2.0); ( -633.3, 202.9, 0.0, 2.0);
( -633.3, 250.1, 0.0, 2.0); ( -1115.4, -75.6, 0.0, 2.0);
( -1098.2, -117.1, 0.0, 2.0); ( -1080.9, -158.6, 0.0, 2.0);
( -1063.6, -200.1, 0.0, 2.0); ( -1046.4, -241.6, 0.0, 2.0);
( -1029.1, -283.1, 0.0, 2.0); ( -1011.8, -324.6, 0.0, 2.0);
( -994.5, -366.1, 0.0, 2.0); ( -977.3, -407.6, 0.0, 2.0);
( -960.0, -449.1, 0.0, 2.0); ( -942.7, -490.7, 0.0, 2.0);
( -925.4, -532.2, 0.0, 2.0); ( -908.2, -573.7, 0.0, 2.0);
( -890.9, -615.2, 0.0, 2.0); ( -873.6, -656.7, 0.0, 2.0);
( -856.3, -698.2, 0.0, 2.0); ( -797.5, -756.9, 0.0, 2.0);
( -756.0, -774.1, 0.0, 2.0); ( -714.4, -791.3, 0.0, 2.0);
( -672.9, -808.5, 0.0, 2.0); ( -631.3, -825.7, 0.0, 2.0);
( -589.8, -842.8, 0.0, 2.0); ( -548.2, -860.0, 0.0, 2.0);
*** | SCST3 - VERSION 02035 *** *** OAK CO HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS: CONC URBAN FLAT FLGPOL NOCALM

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

```

( -506.7, -877.2, 0.0, 2.0); ( -465.1, -894.4, 0.0, 2.0);
( -423.6, -911.6, 0.0, 2.0); ( -382.0, -928.8, 0.0, 2.0);
( -340.5, -945.9, 0.0, 2.0); ( -298.9, -963.1, 0.0, 2.0);
( -257.4, -980.3, 0.0, 2.0); ( -215.8, -997.5, 0.0, 2.0);
( -174.3, -1014.7, 0.0, 2.0); ( -1132.7, -34.0, 0.0, 2.0);
( -1132.8, 13.1, 0.0, 2.0); ( -1132.9, 60.3, 0.0, 2.0);
( -1133.0, 107.5, 0.0, 2.0); ( -1133.1, 154.6, 0.0, 2.0);
( -1133.2, 201.8, 0.0, 2.0); ( -1133.3, 249.0, 0.0, 2.0);
( -133.4, 271.1, 0.0, 2.0); ( -86.0, 271.3, 0.0, 2.0);
( -38.7, 271.4, 0.0, 2.0); ( 8.7, 271.5, 0.0, 2.0);
( 56.1, 271.6, 0.0, 2.0); ( 103.5, 271.7, 0.0, 2.0);
( 150.9, 271.8, 0.0, 2.0); ( -133.5, 301.1, 0.0, 2.0);
( -86.1, 301.3, 0.0, 2.0); ( -38.7, 301.4, 0.0, 2.0);
( 8.7, 301.5, 0.0, 2.0); ( 56.0, 301.6, 0.0, 2.0);
( 103.4, 301.7, 0.0, 2.0); ( 150.8, 301.8, 0.0, 2.0);
( -168.9, 336.4, 0.0, 2.0); ( -218.8, 286.3, 0.0, 2.0);
( -133.6, 351.1, 0.0, 2.0); ( -86.2, 351.3, 0.0, 2.0);
( -38.8, 351.4, 0.0, 2.0); ( 8.6, 351.5, 0.0, 2.0);
( 55.9, 351.6, 0.0, 2.0); ( 103.3, 351.7, 0.0, 2.0);
( 150.7, 351.8, 0.0, 2.0); ( -169.1, 436.4, 0.0, 2.0);
( -204.4, 421.7, 0.0, 2.0); ( -239.8, 407.0, 0.0, 2.0);
( -289.6, 356.9, 0.0, 2.0); ( -304.2, 321.5, 0.0, 2.0);
( -318.8, 286.1, 0.0, 2.0); ( -133.8, 451.1, 0.0, 2.0);
( -86.4, 451.3, 0.0, 2.0); ( -39.0, 451.4, 0.0, 2.0);
( 8.3, 451.5, 0.0, 2.0); ( 55.7, 451.6, 0.0, 2.0);
( 103.1, 451.7, 0.0, 2.0); ( 150.4, 451.8, 0.0, 2.0);
( -173.7, 734.8, 0.0, 2.0); ( -212.9, 718.4, 0.0, 2.0);
( -252.2, 702.1, 0.0, 2.0); ( -291.4, 685.7, 0.0, 2.0);
( -330.7, 669.4, 0.0, 2.0); ( -369.9, 653.0, 0.0, 2.0);
( -409.2, 636.7, 0.0, 2.0); ( -448.4, 620.3, 0.0, 2.0);
( -503.9, 564.6, 0.0, 2.0); ( -520.0, 525.3, 0.0, 2.0);
( -536.2, 486.0, 0.0, 2.0); ( -552.4, 446.6, 0.0, 2.0);
( -568.6, 407.3, 0.0, 2.0); ( -584.8, 368.0, 0.0, 2.0);
( -601.0, 328.7, 0.0, 2.0); ( -617.2, 289.4, 0.0, 2.0);
( -134.4, 751.2, 0.0, 2.0); ( -87.1, 751.3, 0.0, 2.0);
( -39.7, 751.4, 0.0, 2.0); ( 7.7, 751.5, 0.0, 2.0);
( 55.0, 751.6, 0.0, 2.0); ( 102.4, 751.7, 0.0, 2.0);
( 149.8, 751.8, 0.0, 2.0); ( -177.1, 1233.8, 0.0, 2.0);
( -218.6, 1216.5, 0.0, 2.0); ( -260.2, 1199.2, 0.0, 2.0);
( -301.8, 1181.9, 0.0, 2.0); ( -343.3, 1164.6, 0.0, 2.0);
( -384.9, 1147.2, 0.0, 2.0); ( -426.4, 1129.9, 0.0, 2.0);
( -468.0, 1112.6, 0.0, 2.0); ( -509.5, 1095.3, 0.0, 2.0);

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( -551.1, 1077.9, 0.0, 2.0); ( -592.7, 1060.6, 0.0, 2.0);
( -634.2, 1043.3, 0.0, 2.0); ( -675.8, 1026.0, 0.0, 2.0);
( -717.3, 1008.7, 0.0, 2.0); ( -758.9, 991.3, 0.0, 2.0);
*** | SCST3 - VERSION 02035 *** *** OAK CO HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
**MODELOPTS: URBAN FLAT FLGPOL NOCALM
CONC

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*** DI SCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

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( -800.4, 974.0, 0.0, 2.0); ( -859.1, 915.1, 0.0, 2.0);
( -876.3, 873.4, 0.0, 2.0); ( -893.4, 831.8, 0.0, 2.0);
( -910.5, 790.2, 0.0, 2.0); ( -927.7, 748.5, 0.0, 2.0);
( -944.8, 706.9, 0.0, 2.0); ( -962.0, 665.3, 0.0, 2.0);
( -979.1, 623.7, 0.0, 2.0); ( -996.2, 582.0, 0.0, 2.0);
( -1013.4, 540.4, 0.0, 2.0); ( -1030.5, 498.8, 0.0, 2.0);
( -1047.7, 457.1, 0.0, 2.0); ( -1064.8, 415.5, 0.0, 2.0);
( -1081.9, 373.9, 0.0, 2.0); ( -1099.1, 332.2, 0.0, 2.0);
( -1116.2, 290.6, 0.0, 2.0); ( -135.5, 1251.2, 0.0, 2.0);
( -88.2, 1251.3, 0.0, 2.0); ( -40.8, 1251.3, 0.0, 2.0);
( 6.6, 1251.5, 0.0, 2.0); ( 54.0, 1251.6, 0.0, 2.0);
( 101.3, 1251.7, 0.0, 2.0); ( 148.7, 1251.8, 0.0, 2.0);
( 170.9, 251.8, 0.0, 2.0); ( 171.0, 204.5, 0.0, 2.0);
( 171.1, 157.3, 0.0, 2.0); ( 171.2, 110.0, 0.0, 2.0);
( 171.3, 62.7, 0.0, 2.0); ( 171.4, 15.5, 0.0, 2.0);
( 171.5, -31.8, 0.0, 2.0); ( 200.9, 251.9, 0.0, 2.0);
( 201.0, 204.6, 0.0, 2.0); ( 201.1, 157.3, 0.0, 2.0);
( 201.2, 110.1, 0.0, 2.0); ( 201.3, 62.8, 0.0, 2.0);
( 201.4, 15.5, 0.0, 2.0); ( 201.5, -31.7, 0.0, 2.0);
( 236.2, 287.3, 0.0, 2.0); ( 186.1, 337.2, 0.0, 2.0);
( 250.9, 252.0, 0.0, 2.0); ( 251.0, 204.7, 0.0, 2.0);
( 251.1, 157.4, 0.0, 2.0); ( 251.2, 110.2, 0.0, 2.0);
( 251.3, 62.9, 0.0, 2.0); ( 251.4, 15.6, 0.0, 2.0);
( 251.5, -31.6, 0.0, 2.0); ( 336.2, 287.5, 0.0, 2.0);
( 321.5, 322.9, 0.0, 2.0); ( 306.7, 358.2, 0.0, 2.0);
( 256.6, 408.1, 0.0, 2.0); ( 221.2, 422.6, 0.0, 2.0);
( 185.8, 437.2, 0.0, 2.0); ( 350.9, 252.2, 0.0, 2.0);
( 351.0, 204.9, 0.0, 2.0); ( 351.1, 157.7, 0.0, 2.0);
( 351.2, 110.4, 0.0, 2.0); ( 351.3, 63.1, 0.0, 2.0);
( 351.4, 15.9, 0.0, 2.0); ( 351.5, -31.4, 0.0, 2.0);
( 634.5, 292.1, 0.0, 2.0); ( 618.2, 331.4, 0.0, 2.0);
( 601.8, 370.6, 0.0, 2.0); ( 585.5, 409.9, 0.0, 2.0);
( 569.1, 449.1, 0.0, 2.0); ( 552.7, 488.4, 0.0, 2.0);
( 536.4, 527.6, 0.0, 2.0); ( 520.0, 566.8, 0.0, 2.0);
( 464.4, 622.3, 0.0, 2.0); ( 425.0, 638.5, 0.0, 2.0);
( 385.7, 654.7, 0.0, 2.0); ( 346.4, 670.8, 0.0, 2.0);
( 307.1, 687.0, 0.0, 2.0); ( 267.8, 703.2, 0.0, 2.0);
( 228.4, 719.4, 0.0, 2.0); ( 189.1, 735.6, 0.0, 2.0);
( 650.9, 252.9, 0.0, 2.0); ( 651.0, 205.6, 0.0, 2.0);
( 651.1, 158.3, 0.0, 2.0); ( 651.2, 111.1, 0.0, 2.0);
( 651.3, 63.8, 0.0, 2.0); ( 651.4, 16.5, 0.0, 2.0);
( 651.5, -30.8, 0.0, 2.0); ( 1133.6, 295.5, 0.0, 2.0);
( 1116.3, 337.1, 0.0, 2.0); ( 1098.9, 378.6, 0.0, 2.0);
( 1081.6, 420.2, 0.0, 2.0); ( 1064.3, 461.7, 0.0, 2.0);
( 1047.0, 503.3, 0.0, 2.0); ( 1029.7, 544.8, 0.0, 2.0);
*** | SCST3 - VERSION 02035 *** *** OAK CO HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
**MODELOPTS: URBAN FLAT FLGPOL NOCALM
CONC

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*** DI SCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

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( 1012.3, 586.4, 0.0, 2.0); ( 995.0, 628.0, 0.0, 2.0);
( 977.7, 669.5, 0.0, 2.0); ( 960.4, 711.1, 0.0, 2.0);
( 943.0, 752.6, 0.0, 2.0); ( 925.7, 794.2, 0.0, 2.0);
( 908.4, 835.8, 0.0, 2.0); ( 891.1, 877.3, 0.0, 2.0);
( 873.8, 918.9, 0.0, 2.0); ( 814.8, 977.6, 0.0, 2.0);
( 773.2, 994.7, 0.0, 2.0); ( 731.6, 1011.8, 0.0, 2.0);
( 689.9, 1029.0, 0.0, 2.0); ( 648.3, 1046.1, 0.0, 2.0);
( 606.7, 1063.3, 0.0, 2.0); ( 565.0, 1080.4, 0.0, 2.0);
( 523.4, 1097.5, 0.0, 2.0); ( 481.8, 1114.7, 0.0, 2.0);
( 440.1, 1131.8, 0.0, 2.0); ( 398.5, 1148.9, 0.0, 2.0);
( 356.9, 1166.1, 0.0, 2.0); ( 315.2, 1183.2, 0.0, 2.0);
( 273.6, 1200.3, 0.0, 2.0); ( 232.0, 1217.5, 0.0, 2.0);
( 190.3, 1234.6, 0.0, 2.0); ( 1150.9, 254.0, 0.0, 2.0);
( 1151.0, 206.7, 0.0, 2.0); ( 1151.1, 159.4, 0.0, 2.0);
( 1151.2, 112.2, 0.0, 2.0); ( 1151.3, 64.9, 0.0, 2.0);
( 1151.4, 17.6, 0.0, 2.0); ( 1151.5, -29.7, 0.0, 2.0);
( -133.4, 251.1, 0.0, 2.0); ( -132.7, -31.9, 0.0, 2.0);
( -151.5, -31.9, 0.0, 2.0); ( 150.9, 251.8, 0.0, 2.0);
*** | SCST3 - VERSION 02035 *** *** OAK CO HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***
**MODELOPTS: URBAN FLAT FLGPOL NOCALM
CONC

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* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
LESS THAN 1.0 METER OR 3*ZLB IN DISTANCE, OR WITHIN OPEN PIT SOURCE

SOURCE ID	RECEPTOR XR (METERS)	LOCATION YR (METERS)	DISTANCE (METERS)
L0000001	-153.4	251.1	-5.72
L0000001	-133.4	271.1	-5.82
L0000001	-133.4	251.1	-23.21
L0000002	-86.0	271.3	-7.45
L0000003	-38.7	271.4	-6.07
L0000004	8.7	271.5	-2.03
L0000005	8.7	271.5	-1.74
L0000006	56.1	271.6	-5.72
L0000007	103.5	271.7	-7.04
L0000008	150.9	271.8	-5.40
L0000008	170.9	251.8	-5.93
L0000008	150.9	251.8	-23.09
L0003115	-153.3	203.9	-2.98
L0003115	-133.4	251.1	-5.83
L0003122	171.0	204.5	-3.50
L0003122	150.9	251.8	-5.39
L0003123	-153.3	203.9	-7.32
L0003130	171.0	204.5	-7.51
L0003131	-153.1	156.8	0.96
L0003131	-153.3	203.9	0.25
L0003138	171.0	204.5	0.41

81	01	01	04	301.0	0.00	283.1	7	475.8	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	05	286.5	0.00	282.6	7	460.3	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	06	297.0	0.00	283.1	7	444.7	170.0	0.0000	0.0	0.0000	0	0.00
81	01	01	07	297.0	0.00	285.4	6	1.4	170.7	0.0000	0.0	0.0000	0	0.00
81	01	01	08	314.6	1.00	287.6	5	47.0	192.0	0.0000	0.0	0.0000	0	0.00
81	01	01	09	299.0	1.00	289.8	4	92.5	213.3	0.0000	0.0	0.0000	0	0.00
81	01	01	10	54.2	1.34	291.5	3	138.0	234.7	0.0000	0.0	0.0000	0	0.00
81	01	01	11	89.1	1.79	294.3	3	183.5	256.0	0.0000	0.0	0.0000	0	0.00
81	01	01	12	103.1	1.34	297.6	2	229.0	277.3	0.0000	0.0	0.0000	0	0.00
81	01	01	13	87.2	1.34	298.7	2	274.5	298.7	0.0000	0.0	0.0000	0	0.00
81	01	01	14	124.2	1.79	299.8	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	15	134.8	2.24	299.3	3	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	16	98.2	2.24	298.7	4	320.0	320.0	0.0000	0.0	0.0000	0	0.00
81	01	01	17	110.1	2.24	295.4	5	325.6	318.5	0.0000	0.0	0.0000	0	0.00
81	01	01	18	210.1	1.00	291.5	6	357.2	310.3	0.0000	0.0	0.0000	0	0.00
81	01	01	19	268.0	1.00	289.8	7	388.8	302.1	0.0000	0.0	0.0000	0	0.00
81	01	01	20	303.2	1.00	287.0	7	420.4	293.9	0.0000	0.0	0.0000	0	0.00
81	01	01	21	291.1	1.34	286.5	7	452.0	285.7	0.0000	0.0	0.0000	0	0.00
81	01	01	22	294.5	1.34	287.0	7	483.5	277.4	0.0000	0.0	0.0000	0	0.00
81	01	01	23	293.2	0.00	285.9	7	515.1	269.2	0.0000	0.0	0.0000	0	0.00
81	01	01	24	292.2	0.00	285.4	7	546.7	261.0	0.0000	0.0	0.0000	0	0.00

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

*** I SCST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS:
CONC

URBAN FLAT FLGPOL

NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
L00003116, L00003117, L00003118, L00003119, L00003120, L00003121, L00003122, L00003123, L00003124, L00003125,
L00003126, L00003127, L00003128, L00003129, L00003130, L00003131, L00003132, L00003133, L00003134, L00003135, L00003136, . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_		IN MICROGRAMS/M**3		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
151.51	-51.85	984.02301	(81080108)	104.14	-51.85	993.68903	(81080108)
56.76	-51.85	971.17639	(81080108)	9.39	-51.85	903.31287	(81032908)
-37.98	-51.85	908.75708	(81032908)	-85.36	-51.85	909.61359	(81030608)
-132.73	-51.85	971.90338	(81030608)	151.51	-81.85	864.50775	(81080108)
104.14	-81.85	834.53253	(81080108)	56.76	-81.85	851.63214	(81032908)
9.39	-81.85	876.30878	(81032908)	-37.98	-81.85	878.52539	(81032908)
-85.36	-81.85	855.12549	(81032908)	-132.73	-81.85	786.92279	(81030608)
186.90	-117.17	664.84076	(81080108)	236.90	-67.06	688.36584	(81042509)
151.51	-131.85	614.21844	(81080108)	104.14	-131.85	565.95465	(81080108)
56.76	-131.85	621.66144	(81032908)	9.39	-131.85	653.65741	(81032908)
-37.98	-131.85	657.73059	(81032908)	-85.36	-131.85	631.75153	(81032908)
-132.73	-131.85	492.10892	(81030608)	186.90	-217.17	399.63446	(81080108)
222.30	-202.48	439.17712	(81080108)	257.69	-187.80	431.26526	(81080108)
307.69	-137.69	445.85620	(81081408)	322.30	-102.26	457.52100	(81091308)
336.90	-66.84	460.00436	(81122713)	151.51	-231.85	335.31110	(81080108)
104.14	-231.85	325.74658	(81012715)	56.76	-231.85	387.20337	(81032908)
9.39	-231.85	430.46848	(81032908)	-37.98	-231.85	439.80145	(81032908)
-85.36	-231.85	416.97742	(81032908)	-132.73	-231.85	337.77338	(81032908)
190.84	-515.54	152.55696	(81032914)	230.16	-499.22	153.50629	(81022709)
269.49	-482.91	154.84349	(81022809)	308.82	-466.59	168.81218	(81080108)
348.14	-450.28	194.74922	(81080108)	387.47	-433.96	205.30055	(81080108)
426.80	-417.65	197.37126	(81080108)	466.12	-401.33	172.98262	(81080108)
521.68	-345.65	195.16336	(81081408)	537.91	-306.29	203.06619	(81081408)
554.14	-266.93	208.72096	(81042509)	570.36	-227.57	211.45596	(81080808)
586.59	-188.21	213.06381	(81122713)	602.82	-148.84	213.90565	(81082008)
619.05	-109.48	198.98930	(81082008)	635.28	-70.12	208.44354	(81052808)
151.51	-531.85	148.76534	(81012715)	104.14	-531.85	150.77115	(81012308)
56.76	-531.85	153.78645	(81032908)	9.39	-531.85	186.54793	(81032908)
-37.98	-531.85	203.45650	(81032908)	-85.36	-531.85	201.18155	(81032908)
-132.73	-531.85	179.79021	(81032908)	193.15	-1014.58	69.03327	(81012308)
234.79	-997.30	69.27352	(81012308)	276.43	-980.03	70.85689	(81012715)
318.07	-962.75	71.32567	(81032914)	359.71	-945.48	71.91351	(81022709)
401.35	-928.20	71.89208	(81021111)	442.99	-910.93	71.67332	(81021111)
484.63	-893.65	72.20147	(81022809)	526.27	-876.38	71.59520	(81040109)
567.91	-859.10	81.48713	(81080108)	609.55	-841.83	90.15154	(81080108)
651.19	-824.56	93.99403	(81080108)	692.83	-807.28	92.47861	(81080108)
734.47	-790.01	85.97610	(81080108)	776.11	-772.73	75.63866	(81080108)
817.75	-755.46	64.73072	(81042308)	876.57	-696.51	83.02043	(81081408)
893.76	-654.83	89.75914	(81081408)	910.94	-613.15	92.04598	(81081408)
928.12	-571.47	92.40609	(81042509)	945.31	-529.80	94.93613	(81042509)

*** I SCST3 - VERSION 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTION ***

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**MODELOPTS:
CONC

URBAN FLAT FLGPOL

NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
L00003116, L00003117, L00003118, L00003119, L00003120, L00003121, L00003122, L00003123, L00003124, L00003125,
L00003126, L00003127, L00003128, L00003129, L00003130, L00003131, L00003132, L00003133, L00003134, L00003135, L00003136, . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_		IN MICROGRAMS/M**3		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
962.49	-488.12	96.19399	(81091308)	979.67	-446.44	97.08768	(81080808)
996.86	-404.76	97.35554	(81122713)	1014.04	-363.08	97.79285	(81082008)
1031.22	-321.41	97.10099	(81082008)	1048.41	-279.73	90.54817	(81082008)
1065.59	-238.05	87.24872	(81052808)	1082.77	-196.37	94.68826	(81052808)
1099.96	-154.70	96.60987	(81052808)	1117.14	-113.02	95.35594	(81051510)
1134.32	-71.34	94.38020	(81060208)	151.51	-1031.85	65.13923	(81012308)
104.14	-1031.85	59.01246	(81012308)	56.76	-1031.85	62.82542	(81032908)
9.39	-1031.85	75.91117	(81032908)	-37.98	-1031.85	85.89396	(81032908)
-85.36	-1031.85	91.16009	(81032908)	-132.73	-1031.85	90.84509	(81032908)
-152.73	-31.89	1037.59753	(81030608)	-152.83	15.27	1362.81348	(81011708)
-152.94	62.44	1438.50903	(81011708)	-153.04	109.61	1503.46252	(81121908)
-153.14	156.77	1554.94824	(81011408)	-153.25	203.94	1593.52344	(81113008)
-153.35	251.11	1737.73743	(81121008)	-182.73	-31.96	932.54388	(81091608)
-182.83	15.21	1512.01196	(81011708)	-182.94	62.37	1598.47290	(81011708)
-183.04	109.54	1600.90796	(81112208)	-183.14	156.71	1615.06641	(81120808)
-183.25	203.87	1642.57422	(81121708)	-183.35	251.04	1647.15405	(81113008)
-218.05	-67.35	689.60828	(81100408)	-168.05	-117.24	600.38495	(81030608)
-232.73	-32.07	753.80676	(81011708)	-232.83	15.10	1226.98352	(81011708)
-232.94	62.26	1319.62964	(81011708)	-233.04	109.43	1324.04419	(81011708)
-233.14	156.60	1327.74915	(81122908)	-233.25	203.76	1336.01038	(81012008)
-233.35	250.93	1332.82214	(81012508)	-318.05	-67.57	449.57224	(81091608)
-303.36	-102.86	457.74271	(81091608)	-288.68	-138.14	446.44168	(81100408)

-238.68	-188.03	400.04779	(81030608)	-203.36	-202.64	339.61380	(81030608)
-168.05	-217.24	328.22061	(81030712)	-332.73	-32.29	577.53259	(81011708)
-332.83	14.88	865.41510	(81011708)	-332.94	62.05	955.81689	(81011708)
-333.04	109.21	961.62347	(81011708)	-333.14	156.38	964.13690	(81122008)
-333.25	203.55	963.77222	(81120808)	-333.35	250.71	957.84595	(81121908)
-616.41	-72.15	250.07118	(81011708)	-600.10	-111.36	211.05476	(81102608)
-583.78	-150.56	212.82730	(81120509)	-567.47	-189.77	201.13893	(81091608)
-551.15	-228.97	211.96536	(81091608)	-534.84	-268.18	202.66248	(81091608)
-518.53	-307.38	203.98752	(81100408)	-502.21	-346.59	196.84659	(81030608)
-446.66	-402.02	181.21490	(81030608)	-407.41	-418.25	158.57849	(81030608)
-368.17	-434.48	152.79543	(81020910)	-328.93	-450.71	155.32477	(81041108)
-289.69	-466.93	155.57631	(81030712)	-250.45	-483.16	155.67558	(81030609)
-211.21	-499.39	149.49251	(81032309)	-171.97	-515.62	153.60419	(81032908)
-632.73	-32.95	366.18167	(81011708)	-632.83	14.22	479.93936	(81011708)
-632.94	61.39	534.85626	(81011708)	-633.04	108.55	529.26044	(81011708)
-633.14	155.72	533.09869	(81112708)	-633.25	202.89	535.68347	(81111708)
-633.35	250.05	531.66559	(81111008)	-1115.45	-75.55	197.52621	(81011708)
-1098.18	-117.06	145.01230	(81011708)	-1080.90	-158.57	99.48147	(81120309)

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***

CONC URBAN FLAT FLGPOL NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***

I NCLUDI NG SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, L0000031, L0000032, L0000033, L0000034, L0000035, L0000036,

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_		I N MI CROGRAMS/M**3		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
-1063.63	-200.09	96.21980	(81120309)	-1046.36	-241.60	91.73345	(81120208)
-1029.08	-283.11	97.58449	(81102608)	-1011.81	-324.62	97.57333	(81120509)
-994.53	-366.13	91.65790	(81120509)	-977.26	-407.64	89.13126	(81091608)
-959.98	-449.15	95.42055	(81091608)	-942.71	-490.66	96.09205	(81091608)
-925.43	-532.18	91.13519	(81091608)	-908.16	-573.69	90.82379	(81100408)
-890.89	-615.20	92.36177	(81100408)	-873.61	-656.71	88.90886	(81100408)
-856.34	-698.22	88.92123	(81030608)	-797.51	-756.91	82.41534	(81030608)
-755.96	-774.10	75.14422	(81030608)	-714.42	-791.28	68.66756	(81040808)
-672.87	-808.46	67.66142	(81040808)	-631.32	-825.65	69.85292	(81020910)
-589.77	-842.83	70.85645	(81020910)	-548.22	-860.02	71.58868	(81041108)
-506.67	-877.20	71.19471	(81030712)	-465.12	-894.38	72.12075	(81030712)
-423.57	-911.57	72.15993	(81030609)	-382.02	-928.75	68.65598	(81030609)
-340.47	-945.93	70.12553	(81032309)	-298.93	-963.12	71.48247	(81032309)
-257.38	-980.30	68.72449	(81032309)	-215.83	-997.48	79.86404	(81032908)
-174.28	-1014.67	87.56586	(81032908)	-1132.73	-34.04	243.56120	(81011708)
-1132.83	13.13	281.82840	(81011708)	-1132.93	60.29	294.58865	(81011708)
-1133.04	107.46	278.62723	(81011708)	-1133.14	154.63	263.47086	(81112708)
-1133.24	201.79	290.16745	(81112708)	-1133.35	248.96	291.62653	(81112208)
-133.39	271.15	1684.77808	(81022008)	-86.02	271.25	1648.84253	(81111208)
-38.65	271.36	1576.16138	(81031108)	8.73	271.46	1485.23230	(81031108)
56.10	271.56	1604.99658	(81031808)	103.47	271.67	1647.49109	(81102808)
150.85	271.77	1649.27991	(81102808)	-133.46	301.15	1559.00476	(81111208)
-86.09	301.25	1517.44714	(81111508)	-38.71	301.36	1502.53015	(81031108)
8.66	301.46	1482.47644	(81013008)	56.03	301.56	1486.56714	(81013008)
103.41	301.67	1521.87183	(81031808)	150.78	301.77	1554.70911	(81102808)
-168.89	336.43	1310.76953	(81111208)	-218.78	286.32	1360.82581	(81122308)
-133.57	351.15	1233.85168	(81111508)	-86.19	351.25	1237.83289	(81031108)
-38.82	351.36	1222.53137	(81031108)	8.55	351.46	1220.29004	(81013008)
55.93	351.56	1224.94849	(81013008)	103.30	351.67	1211.03796	(81013008)
150.67	351.77	1239.17664	(81031808)	-169.11	436.43	894.02368	(81111508)
-204.43	421.71	955.75635	(81111508)	-239.76	406.98	960.93079	(81021508)
-289.65	356.87	979.38147	(81111108)	-304.21	321.49	993.89362	(81010908)
-318.78	286.10	982.96814	(81121708)	-133.79	451.15	895.16852	(81031108)
-86.41	451.25	892.66760	(81031108)	-39.04	451.36	846.25732	(81031108)
8.33	451.46	880.27985	(81013008)	55.71	451.56	896.24609	(81013008)
103.08	451.67	882.30994	(81013008)	150.45	451.77	808.47461	(81031808)
-173.69	734.79	509.77481	(81031108)	-212.94	718.43	519.28418	(81031108)
-252.19	702.08	478.13651	(81031108)	-291.43	685.72	470.68546	(81111508)
-330.68	669.36	527.24622	(81111508)	-369.93	653.00	532.93390	(81111208)
-409.18	636.65	528.71027	(81021508)	-448.43	620.29	521.20654	(81022008)

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON ***

CONC URBAN FLAT FLGPOL NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***

I NCLUDI NG SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, L0000031, L0000032, L0000033, L0000034, L0000035, L0000036,

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_		I N MI CROGRAMS/M**3		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
-503.86	564.61	526.23102	(81010808)	-520.05	525.29	537.25403	(81122308)
-536.23	485.97	541.68512	(81113008)	-452.42	446.65	550.73419	(81122608)
-568.61	407.33	550.51129	(81012508)	-584.79	368.01	550.67987	(81021608)
-600.98	328.69	545.82703	(81012008)	-617.16	289.37	539.75769	(81120408)
-134.44	751.15	459.82135	(81031108)	-87.07	751.25	379.53055	(81031108)
-39.69	751.36	374.34451	(81031508)	7.68	751.46	438.42242	(81013008)
55.05	751.56	497.03894	(81013008)	102.43	751.67	509.01593	(81013008)
149.80	751.77	472.58862	(81013008)	-177.09	1233.83	164.53162	(81102908)
-218.65	1216.51	209.48589	(81031108)	-260.20	1199.19	256.95786	(81031108)
-301.76	1181.87	288.50888	(81031108)	-343.32	1164.55	296.97275	(81031108)
-384.87	1147.23	279.58344	(81031108)	-426.43	1129.91	239.34062	(81031108)
-467.99	1112.59	223.23009	(81102008)	-509.54	1095.27	237.12006	(81111508)
-551.10	1077.95	277.84030	(81111508)	-592.66	1060.63	296.97369	(81111508)
-634.22	1043.31	293.57651	(81111208)	-675.77	1025.99	289.93430	(81111208)
-717.33	1008.67	290.80554	(81021508)	-758.89	991.35	281.15616	(81022008)
-800.44	974.03	282.85571	(81022008)	-859.14	915.08	283.86798	(81021808)
-876.28	873.44	287.88602	(81121008)	-893.41	831.81	290.00562	(81122308)
-910.55	790.18	292.60416	(81122308)	-927.69	748.55	295.48297	(81113008)
-944.83	706.92	301.97913	(81121508)	-961.97	665.28	303.28497	(81110908)
-979.11	623.65	305.13208	(81012508)	-996.24	582.02	306.29587	(81121408)
-1013.38	540.39	305.28833	(81021608)	-1030.52	498.75	305.64362	(81121908)
-1047.66	457.12	304.95261	(81122008)	-1064.80	415.49	301.66989	(81120408)
-1081.93	373.86	301.46780	(81120808)	-1099.07	332.22	298.97614	(81111008)
-1116.21	290.59	295.63669	(81111708)	-135.53	1251.15	161.12332	(81031508)
-88.16	1251.25	194.03708	(81031508)	-40.78	1251.35	211.81052	(81031508)
6.59	1251.46	210.59975	(81031508)	53.96	1251.56	233.08562	(81013008)
101.34	1251.66	269.82971	(81013008)	148.71	1251.77	284.25101	(81013008)
170.89	251.81	1605.58740	(81102808)	170.99	204.54	1349.61108	(81102808)
171.10	157.27	1169.54797	(81102808)	171.20	110.00	941.88910	(81081608)
171.30	62.73	945.69916	(81082008)	171.41	15.46	1053.58545	(81091308)

171.51	-31.81	1032.68567	(81081408)	200.89	251.88	1298.65967	(81102808)
200.99	204.61	1101.85498	(81102808)	201.10	157.34	980.58191	(81121308)
201.20	110.07	979.66016	(81111009)	201.30	62.80	978.98596	(81051510)
201.41	15.53	971.21655	(81082008)	201.51	-31.74	929.62506	(81042509)
236.17	287.31	988.54034	(81102808)	186.06	337.20	1306.53088	(81102808)
250.89	251.99	723.69128	(81102808)	250.99	204.72	718.19891	(81082808)
251.10	157.45	721.90179	(81082308)	251.20	110.18	722.54590	(81111009)
251.30	62.91	721.54089	(81122714)	251.41	15.64	712.14557	(81052808)
251.51	-31.63	690.11371	(81122713)	336.17	287.53	462.21771	(81080908)
321.45	322.85	461.29358	(81090408)	306.72	358.18	621.33722	(81102808)

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON *** 12/01/06
 *** CO *** 11: 34: 20
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**MODELOPTS:
 CONC URBAN FLAT FLGPOL NOCALM

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***
 I NCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
 L0000008, L0000115, L00003116, L00003117, L00003118, L00003119, L00003120, L00003121, L00003122, L00003123, L00003124, L00003125,
 L00003126, L00003127, L00003128, L00003129, L00003130, L00003131, L00003132, L00003133, L00003134, L00003135, L00003136, . . . ,

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_ I N MI CROGRAMS/M**3 **							
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
256.62	408.07	933.05249	(81102808)	221.23	422.63	951.66718	(81031808)
185.84	437.20	909.26959	(81031808)	350.89	252.21	455.50833	(81081608)
350.99	204.94	467.78351	(81092608)	351.10	157.67	472.55887	(81050508)
351.20	110.40	474.44937	(81111009)	351.30	63.13	472.17337	(81122714)
351.41	15.86	466.93304	(81052808)	351.51	-31.41	447.67990	(81082008)
634.53	292.11	211.62271	(81082808)	618.17	331.36	213.91200	(81081608)
601.82	370.61	212.77354	(81052708)	585.46	409.85	214.10368	(81080908)
569.10	449.10	212.66847	(81072308)	552.74	488.35	209.39409	(81052909)
536.39	527.60	204.87743	(81091408)	520.03	566.85	214.26749	(81102808)
464.35	622.28	419.71585	(81102808)	425.03	638.47	504.99365	(81102808)
385.71	654.65	534.33545	(81102808)	346.39	670.84	535.16730	(81031808)
307.08	687.02	498.71326	(81031808)	267.76	703.21	419.08704	(81031808)
228.44	719.40	314.42114	(81031808)	189.12	735.58	405.91806	(81013008)
650.89	252.86	208.18324	(81121308)	650.99	205.59	210.71709	(81082308)
651.10	158.32	213.69885	(81053109)	651.20	111.05	214.50157	(81111009)
651.30	63.78	213.81052	(81072708)	651.41	16.51	211.77095	(81122714)
651.51	-30.76	208.43118	(81051510)	1133.57	295.51	94.43449	(81082308)
1116.25	337.07	95.67296	(81121308)	1098.93	378.63	96.63460	(81092608)
1081.61	420.18	97.27412	(81082808)	1064.29	461.74	96.45845	(81082808)
1046.97	503.30	98.25716	(81081608)	1029.65	544.85	97.34568	(81052708)
1012.33	586.41	98.28568	(81123108)	995.01	627.97	97.79308	(81080908)
977.69	669.52	96.84798	(81060908)	960.37	711.08	96.08102	(81052908)
943.05	752.64	95.15495	(81052909)	925.73	794.19	94.00074	(81032209)
908.41	835.75	92.54395	(81061109)	891.09	877.31	90.79009	(81092708)
873.77	918.86	89.17012	(81032408)	814.82	977.56	147.40271	(81102808)
773.19	994.70	201.01979	(81102808)	731.56	1011.83	250.39378	(81102808)
689.92	1028.97	284.79529	(81102808)	648.29	1046.11	295.77734	(81102808)
606.66	1063.25	296.07520	(81031808)	565.03	1080.39	294.18536	(81031808)
523.40	1097.52	266.68350	(81031808)	481.76	1114.66	220.39285	(81031808)
440.13	1131.80	165.49474	(81031808)	398.50	1148.94	112.19642	(81031808)
356.87	1166.08	105.37512	(81013008)	315.24	1183.22	157.17654	(81013008)
273.60	1200.35	209.71841	(81013008)	231.97	1217.49	253.18340	(81013008)
190.34	1234.63	279.47308	(81013008)	1150.89	253.96	91.67760	(81050508)
1150.99	206.69	93.44501	(81050508)	1151.09	159.42	93.34357	(81053109)
1151.20	112.15	94.13829	(81111009)	1151.30	64.88	93.58796	(81060209)
1151.40	17.61	93.59457	(81080608)	1151.51	-29.66	92.43002	(81122714)
-133.35	251.15	1704.29492	(81021808)	-132.73	-31.85	1036.66699	(81030608)
151.51	-31.85	1025.98853	(81081408)	150.89	251.77	1585.29431	(81102808)

*** I SCST3 - VERSI ON 02035 *** *** OAK HILLS MARKETPLACE LST ANALYSIS - CONSTRUCTI ON *** 12/01/06
 *** CO *** 11: 34: 20
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**MODELOPTS:
 CONC URBAN FLAT FLGPOL NOCALM

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***
 I NCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
 L0000008, L0000115, L00003116, L00003117, L00003118, L00003119, L00003120, L00003121, L00003122, L00003123, L00003124, L00003125,
 L00003126, L00003127, L00003128, L00003129, L00003130, L00003131, L00003132, L00003133, L00003134, L00003135, L00003136, . . . ,

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_ I N MI CROGRAMS/M**3 **							
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
151.51	-51.85	493.57758	(81032916)	104.14	-51.85	548.82916	(81032916)
56.76	-51.85	546.16693	(81032916)	9.39	-51.85	477.25092	(81032916)
-37.98	-51.85	428.59512	(81032916)	-85.36	-51.85	334.17667	(81030616)
-132.73	-51.85	252.09178	(81123016)	151.51	-81.85	427.70584	(81032916)
104.14	-81.85	466.60126	(81032916)	56.76	-81.85	453.96179	(81032916)
9.39	-81.85	419.72040	(81032916)	-37.98	-81.85	360.27765	(81032916)
-85.36	-81.85	269.76538	(81030616)	-132.73	-81.85	180.43727	(81030616)
186.90	-117.17	278.77032	(81032916)	236.90	-67.06	255.75661	(81042516)
151.51	-131.85	301.99020	(81032916)	104.14	-131.85	321.27887	(81032916)
56.76	-131.85	308.93689	(81032916)	9.39	-131.85	275.66116	(81032916)
-37.98	-131.85	221.25363	(81032916)	-85.36	-131.85	161.54819	(81030616)
-132.73	-131.85	116.10201	(81030616)	186.90	-217.17	182.21524	(81032916)
222.30	-202.48	168.93362	(81032916)	257.69	-187.80	143.42229	(81032916)
307.69	-137.69	144.47163	(81042516)	322.30	-102.26	156.84261	(81042516)
336.90	-66.84	175.83232	(81112416)	151.51	-231.85	182.20410	(81032916)
104.14	-231.85	182.41743	(81032916)	56.76	-231.85	167.45958	(81032916)
9.39	-231.85	140.26082	(81032916)	-37.98	-231.85	105.82957	(81032916)
-85.36	-231.85	80.85017	(81030616)	-132.73	-231.85	64.86528	(81030616)
190.84	-515.54	61.63333	(81032916)	230.16	-499.22	66.24728	(81032916)
269.49	-482.91	69.00769	(81032916)	308.82	-466.59	69.28439	(81032916)
348.14	-450.28	66.77462	(81032916)	387.47	-433.96	61.49928	(81032916)
426.80	-417.65	53.78761	(81032916)	466.12	-401.33	44.89753	(81030716)
521.68	-345.65	47.37467	(81042516)	537.91	-306.29	53.43210	(81042516)
554.14	-266.93	57.96677	(81042516)	570.36	-227.57	59.86150	(81042516)
586.59	-188.21	62.04033	(81112416)	602.82	-148.84	72.51698	(81112416)
619.05	-109.48	79.30756	(81112416)	635.28	-70.12	81.40246	(81112416)
151.51	-531.85	55.92560	(81032916)	104.14	-531.85	51.58247	(81032916)
56.76	-531.85	46.00805	(81032916)	9.39	-531.85	39.38509	(81032916)
-37.98	-531.85	32.21029	(81032916)	-85.36	-531.85	25.16562	(81032916)
-132.73	-531.85	22.73817	(81030616)	193.15	-1014.58	18.26416	(81032916)
234.79	-997.30	19.98648	(81032916)	276.43	-980.03	21.52609	(81032916)
318.07	-962.75	22.79704	(81032916)	359.71	-945.48	23.78072	(81032916)
401.35	-928.20	24.52700	(81032916)	442.99	-910.93	25.11513	(81032916)
484.63	-893.65	25.59994	(81032916)	526.27	-876.38	25.95593	(81032916)
567.91	-859.10	26.06278	(81032916)	609.55	-841.83	25.73389	(81032916)
651.19	-824.56	24.79023	(81032916)	692.83	-807.28	23.13631	(81032916)
734.47	-790.01	20.80841	(81032916)	776.11	-772.73	18.69476	(81030716)
817.75	-755.46	16.73614	(81030716)	876.57	-696.51	16.52083	(81031216)
893.76	-654.83	17.10326	(81031216)	910.94	-613.15	18.89075	(81042516)
928.12	-571.47	20.66057	(81042516)	945.31	-529.80	22.17024	(81042516)

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC
 *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***
 I NCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
 L0000008, L0003115, L0003116, L0003117, L0003118, L0003119, L0003120, L0003121, L0003122, L0003123, L0003124, L0003125,
 L0003126, L0003127, L0003128, L0003129, L0003130, L0003131, L0003132, L0003133, L0003134, L0003135, L0003136, . . . ,

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_ I N MI CROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
962.49	-488.12	23.19442	(81042516)	979.67	-446.44	23.54377	(81042516)
996.86	-404.76	25.36513	(81123116)	1014.04	-363.08	27.57188	(81123116)
1031.22	-321.41	28.55166	(81112416)	1048.41	-279.73	31.05605	(81112416)
1065.59	-238.05	32.51802	(81112416)	1082.77	-196.37	32.79596	(81112416)
1099.96	-154.70	31.92643	(81112416)	1117.14	-113.02	30.10497	(81112416)
1134.32	-71.34	27.62396	(81112416)	151.51	-1031.85	16.48882	(81032916)
104.14	-1031.85	15.11618	(81032916)	56.76	-1031.85	13.82030	(81032916)
9.39	-1031.85	12.63606	(81032916)	-37.98	-1031.85	11.52583	(81032916)
-85.36	-1031.85	11.39501	(81032908)	-132.73	-1031.85	11.35564	(81032908)
-152.73	-31.89	315.41174	(81123016)	-152.83	15.27	459.78195	(81123016)
-152.94	62.44	526.63605	(81123016)	-153.04	109.61	575.44330	(81123016)
-153.14	156.77	543.01892	(81123016)	-153.25	203.94	488.97183	(81122716)
-153.35	251.11	477.54819	(81122716)	-182.73	-31.96	308.31989	(81123016)
-182.83	15.21	439.39948	(81123016)	-182.94	62.37	509.96811	(81123016)
-183.04	109.54	536.23981	(81123016)	-183.14	156.71	526.17828	(81123016)
-183.25	203.87	463.72229	(81123016)	-183.35	251.04	418.71170	(81122716)
-218.05	-67.35	180.06680	(81123016)	-168.05	-117.24	108.33947	(81123016)
-232.73	-32.07	219.41574	(81123016)	-232.83	15.10	274.51224	(81123016)
-232.94	62.26	311.91681	(81123016)	-233.04	109.43	330.38129	(81123016)
-233.14	156.60	323.80878	(81123016)	-233.25	203.76	297.39713	(81122716)
-233.35	250.93	285.37784	(81122716)	-318.05	-67.57	120.46734	(81123016)
-303.36	-102.86	104.97095	(81123016)	-288.68	-138.14	86.41074	(81123016)
-238.68	-188.03	60.38133	(81123016)	-203.36	-202.64	52.41244	(81030616)
-168.05	-217.24	59.23298	(81030616)	-332.73	-32.29	129.77441	(81123016)
-332.83	14.88	145.48515	(81123016)	-332.94	62.05	152.88326	(81123016)
-333.04	109.21	153.38734	(81123016)	-333.14	156.38	148.29214	(81123016)
-333.25	203.55	156.87747	(81122716)	-333.35	250.71	162.25540	(81122716)
-616.41	-72.15	46.66901	(81123016)	-600.10	-111.36	45.98118	(81123016)
-583.78	-150.56	43.64620	(81123016)	-567.47	-189.77	39.88376	(81123016)
-551.15	-228.97	35.36936	(81123016)	-534.84	-268.18	30.97420	(81123016)
-518.53	-307.38	27.33209	(81123016)	-502.21	-346.59	24.60582	(81030608)
-446.66	-402.02	22.65186	(81030608)	-407.41	-418.25	20.25250	(81123016)
-368.17	-434.48	19.09973	(81020916)	-328.93	-450.71	19.41560	(81041108)
-289.69	-466.93	21.74767	(81030616)	-250.45	-483.16	23.72658	(81030616)
-211.21	-499.39	24.33233	(81030616)	-171.97	-515.62	23.83639	(81030616)
-632.73	-32.95	45.85350	(81123016)	-632.83	14.22	59.99242	(81011708)
-632.94	61.39	66.85703	(81011708)	-633.04	108.55	66.15755	(81011708)
-633.14	155.72	66.63734	(81112708)	-633.25	202.89	66.96043	(81111708)
-633.35	250.05	66.45820	(81111008)	-1115.45	-75.55	24.69078	(81011708)
-1098.18	-117.06	18.60555	(81030216)	-1080.90	-158.57	17.32547	(81123016)

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC
 *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***
 I NCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
 L0000008, L0003115, L0003116, L0003117, L0003118, L0003119, L0003120, L0003121, L0003122, L0003123, L0003124, L0003125,
 L0003126, L0003127, L0003128, L0003129, L0003130, L0003131, L0003132, L0003133, L0003134, L0003135, L0003136, . . . ,

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_ I N MI CROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
-1063.63	-200.09	17.97098	(81123016)	-1046.36	-241.60	18.19073	(81123016)
-1029.08	-283.11	17.88345	(81123016)	-1011.81	-324.62	17.03773	(81123016)
-994.53	-366.13	15.73876	(81123016)	-977.26	-407.64	14.14915	(81123016)
-959.98	-449.15	12.47600	(81123016)	-942.71	-490.66	12.01151	(81091608)
-925.43	-532.18	11.39190	(81091608)	-908.16	-573.69	11.35297	(81100408)
-890.89	-615.20	11.54522	(81100408)	-873.61	-656.71	11.11361	(81100408)
-856.34	-698.22	11.11515	(81030608)	-797.51	-756.91	10.30192	(81030608)
-755.96	-774.10	9.39303	(81030608)	-714.42	-791.28	8.58345	(81040808)
-672.87	-808.46	8.45768	(81040808)	-631.32	-825.65	8.73162	(81020916)
-589.77	-842.83	8.85706	(81020916)	-548.22	-860.02	8.94858	(81041108)
-506.67	-877.20	8.89934	(81030716)	-465.12	-894.38	9.69391	(81030616)
-423.57	-911.57	10.12115	(81030616)	-382.02	-928.75	10.08259	(81030616)
-340.47	-945.93	9.64346	(81030616)	-298.93	-963.12	8.93531	(81032316)
-257.38	-980.30	8.59056	(81032316)	-215.83	-997.48	9.98300	(81032908)
-174.28	-1014.67	10.94573	(81032908)	-1132.73	-34.04	30.44515	(81011708)
-1132.83	13.13	35.22855	(81011708)	-1132.93	60.29	36.82358	(81011708)
-1133.04	107.46	34.83409	(81011708)	-1133.14	154.63	32.93386	(81112708)
-1133.24	201.79	36.27093	(81112708)	-1133.35	248.96	36.45332	(81112208)
-133.39	271.15	437.12582	(81122716)	-86.02	271.25	429.75522	(81122716)
-38.65	271.36	400.90588	(81120116)	8.73	271.46	384.98633	(81120116)
56.10	271.56	397.36597	(81102716)	103.47	271.67	429.54453	(81102716)
150.85	271.77	408.07959	(81102716)	-133.46	301.15	324.74878	(81122716)
-86.09	301.25	310.50299	(81122716)	-38.71	301.36	337.00760	(81112616)
8.66	301.46	347.26926	(81112616)	56.03	301.56	342.60019	(81112616)
103.41	301.67	320.58191	(81112616)	150.78	301.77	303.33041	(81102716)
-168.89	336.43	208.55806	(81122716)	-218.78	286.32	267.18210	(81122716)
-133.57	351.15	188.99823	(81030116)	-86.19	351.25	211.63451	(81012716)
-38.82	351.36	233.79295	(81012716)	8.55	351.46	245.08691	(81112616)
55.93	351.56	243.49130	(81112616)	103.30	351.67	227.39223	(81112616)
150.67	351.77	180.12167	(81112616)	-169.11	436.43	114.43671	(81112716)
-204.43	421.71	119.46954	(81111508)	-239.76	406.98	120.11635	(81021508)
-289.65	356.87	139.56319	(81122716)	-304.21	321.49	157.89270	(81122716)
-318.78	286.10	165.87830	(81122716)	-133.79	451.15	111.89606	(81031108)
-86.41	451.25	120.22558	(81012716)	-39.04	451.36	130.18629	(81012716)
8.33	451.46	143.85976	(81112616)	55.71	451.56	148.43829	(81112616)
103.08	451.67	141.84154	(81112616)	150.45	451.77	119.73775	(81112616)
-173.69	734.79	63.72185	(81031108)	-212.94	718.43	64.91052	(81031108)
-252.19	702.08	59.76706	(81031108)	-291.43	685.72	58.83568	(81111508)
-330.68	669.36	65.90578	(81111508)	-369.93	653.00	66.61674	(81111208)
-409.18	636.65	66.08878	(81021508)	-448.43	620.29	65.15082	(81022008)

**MODELOPTs: URBAN FLAT FLGPOL NOCALM
 CONC
 *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATI ON VALUES FOR SOURCE GROUP: ALL ***
 I NCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007,
 L0000008, L0003115, L0003116, L0003117, L0003118, L0003119, L0003120, L0003121, L0003122, L0003123, L0003124, L0003125,
 L0003126, L0003127, L0003128, L0003129, L0003130, L0003131, L0003132, L0003133, L0003134, L0003135, L0003136, . . . ,

L0003126, L0003127, L0003128, L0003129, L0003130, L0003131, L0003132, L0003133, L0003134, L0003135, L0003136, . . . ,

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_		I N M I C R O G R A M S / M ** 3		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
-503.86	564.61	65.77888	(81010808)	-520.05	525.29	67.15675	(81122308)
-536.23	485.97	67.71064	(81113008)	-552.42	446.65	68.84177	(81122608)
-568.61	407.33	68.81391	(81012508)	-584.79	368.01	68.83498	(81021608)
-600.98	328.69	68.22838	(81012008)	-617.16	289.37	67.46971	(81120408)
-134.44	751.15	57.47767	(81031108)	-87.07	751.25	47.44132	(81031108)
-39.69	751.36	46.79306	(81031508)	7.68	751.46	54.80280	(81013008)
55.05	751.56	62.12987	(81013008)	102.43	751.67	63.62699	(81013008)
149.80	751.77	59.07358	(81013008)	-177.09	1233.83	20.56645	(81102908)
-218.65	1216.51	26.18574	(81031108)	-260.20	1199.19	32.11973	(81031108)
-301.76	1181.87	36.06361	(81031108)	-343.32	1164.55	37.12159	(81031108)
-384.87	1147.23	34.94793	(81031108)	-426.43	1129.91	29.91758	(81031108)
-467.99	1112.59	27.90376	(81102008)	-509.54	1095.27	29.64001	(81111508)
-551.10	1077.95	34.73004	(81111508)	-592.66	1060.63	37.12171	(81111508)
-634.22	1043.31	36.69706	(81111208)	-675.77	1025.99	36.24179	(81111208)
-717.33	1008.67	36.35069	(81021508)	-758.89	991.35	35.14452	(81022008)
-800.44	974.03	35.35696	(81022008)	-859.14	915.08	35.48350	(81021808)
-876.28	873.44	35.98575	(81121008)	-893.41	831.81	36.25070	(81122308)
-910.55	790.18	36.57552	(81122308)	-927.69	748.55	36.93537	(81113008)
-944.83	706.92	37.74739	(81121508)	-961.97	665.28	37.91062	(81110908)
-979.11	623.65	38.14151	(81012508)	-996.24	582.02	38.28698	(81121408)
-1013.38	540.39	38.16104	(81021608)	-1030.52	498.75	38.20545	(81121908)
-1047.66	457.12	38.11908	(81122008)	-1064.80	415.49	37.70874	(81120408)
-1081.93	373.86	37.68348	(81120808)	-1099.07	332.22	37.37202	(81111008)
-1116.21	290.59	36.95459	(81111708)	-135.53	1251.15	20.14042	(81031508)
-88.16	1251.25	24.25463	(81031508)	-40.78	1251.35	26.47631	(81031508)
6.59	1251.46	26.32497	(81031508)	53.96	1251.56	29.13570	(81013008)
101.34	1251.66	33.72871	(81013008)	148.71	1251.77	35.53138	(81013008)
170.89	251.81	435.80759	(81102716)	170.99	204.54	454.82663	(81050416)
171.10	157.27	535.83710	(81112416)	171.20	110.00	596.24951	(81112416)
171.30	62.73	567.84613	(81112416)	171.41	15.46	532.66180	(81112416)
171.51	-31.81	460.02716	(81032916)	200.89	251.88	383.19623	(81102716)
200.99	204.61	482.59744	(81060216)	201.10	157.34	546.30432	(81112416)
201.20	110.07	583.36066	(81112416)	201.30	62.80	577.29150	(81112416)
201.41	15.53	537.85760	(81112416)	201.51	-31.74	399.40314	(81112416)
236.17	287.31	240.79420	(81102716)	186.06	337.20	197.84129	(81100416)
250.89	251.99	257.82312	(81102716)	250.99	204.72	330.21707	(81060216)
251.10	157.45	360.07767	(81060216)	251.20	110.18	387.28195	(81112416)
251.30	62.91	389.96237	(81112416)	251.41	15.64	366.58548	(81112416)
251.51	-31.63	301.18896	(81112416)	336.17	287.53	141.63930	(81102716)
321.45	322.85	132.78232	(81102716)	306.72	358.18	119.32717	(81102716)

*** I SCST3 - VERSI ON 02035 *** *** OAK H I L L S M A R K E T P L A C E L S T A N A L Y S I S - C O N S T R U C T I O N *** 12/01/06
 11: 34: 20
 P A G E 4 7

**MODELOPTs:
 CONC

URBAN FLAT FLGPOL

NOCALM

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0000001, L0000002, L0000003, L0000004, L0000005, L0000006, L0000007, L0000008, L0000009, L0000010, L0000011, L0000012, L0000013, L0000014, L0000015, L0000016, L0000017, L0000018, L0000019, L0000020, L0000021, L0000022, L0000023, L0000024, L0000025, L0000026, L0000027, L0000028, L0000029, L0000030, L0000031, L0000032, L0000033, L0000034, L0000035, L0000036, . . . ,

*** DI SCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO_		I N M I C R O G R A M S / M ** 3		**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
256.62	408.07	118.55386	(81100416)	221.23	422.63	119.24821	(81100416)
185.84	437.20	113.65870	(81031808)	330.89	252.21	155.69028	(81060216)
350.99	204.94	191.09547	(81060216)	351.10	157.67	206.42320	(81060216)
351.20	110.40	205.99199	(81051416)	351.30	63.13	216.79028	(81112416)
351.41	15.86	217.29478	(81112416)	351.51	-31.41	197.84769	(81112416)
634.53	292.11	57.29507	(81051416)	618.17	331.36	54.93126	(81051416)
601.82	370.61	50.26711	(81051416)	585.46	409.85	50.50602	(81032216)
569.10	449.10	50.55502	(81032216)	552.74	488.35	47.56590	(81032216)
536.39	527.60	43.83144	(81061216)	520.03	566.85	44.84656	(81061216)
464.35	622.28	52.46448	(81102808)	425.03	638.47	63.12421	(81102808)
385.71	654.65	66.79193	(81102808)	346.39	670.84	66.89591	(81031808)
307.08	687.02	62.33916	(81031808)	267.76	703.21	52.38588	(81031808)
228.44	719.40	44.43785	(81112616)	189.12	735.58	50.73976	(81013008)
650.89	252.86	60.80925	(81060216)	650.99	205.59	68.03562	(81060216)
651.10	158.32	72.02205	(81060216)	651.20	111.05	71.62713	(81060216)
651.30	63.78	66.63243	(81060216)	651.41	16.51	74.82015	(81112416)
651.51	-30.76	78.78964	(81112416)	1133.57	295.51	23.76588	(81060216)
1116.25	337.07	21.65820	(81060216)	1098.93	378.63	22.93385	(81060116)
1081.61	420.18	23.85938	(81060116)	1064.29	461.74	23.57044	(81060116)
1046.97	503.30	22.05302	(81060116)	1029.65	544.85	20.02471	(81051416)
1012.33	586.41	18.58139	(81051416)	995.01	627.97	19.52677	(81032216)
977.69	669.52	20.14919	(81032216)	960.37	711.08	20.20284	(81032216)
943.05	752.64	19.58486	(81032216)	925.73	794.19	18.28124	(81032216)
908.41	835.75	17.88220	(81061216)	891.09	877.31	18.77530	(81061216)
873.77	918.86	18.94625	(81061216)	814.82	977.56	18.42534	(81102808)
773.19	994.70	25.12747	(81102808)	731.56	1011.83	31.29922	(81102808)
689.92	1028.97	35.59941	(81102808)	648.29	1046.11	36.97217	(81102808)
606.66	1063.25	37.00940	(81031808)	565.03	1080.39	36.77317	(81031808)
523.40	1097.52	33.33544	(81031808)	481.76	1114.66	27.54911	(81031808)
440.13	1131.80	20.68684	(81031808)	398.50	1148.94	15.27041	(81112616)
356.87	1166.08	16.71860	(81112616)	315.24	1183.22	19.64707	(81013008)
273.60	1200.35	26.21480	(81013008)	231.97	1217.49	31.64792	(81013008)
190.34	1234.63	34.93414	(81013008)	1150.89	253.96	25.47808	(81060216)
1150.99	206.69	27.32186	(81060216)	1151.09	159.42	28.14665	(81060216)
1151.20	112.15	27.78716	(81060216)	1151.30	64.88	26.28927	(81060216)
1151.40	17.61	26.62182	(81111716)	1151.51	-29.66	26.15220	(81111716)
-133.35	251.15	502.22360	(81122716)	-132.73	-31.85	324.92419	(81123016)
151.51	-31.85	507.75894	(81032916)	150.89	251.77	465.83627	(81102716)

*** I SCST3 - VERSI ON 02035 *** *** OAK H I L L S M A R K E T P L A C E L S T A N A L Y S I S - C O N S T R U C T I O N *** 12/01/06
 11: 34: 20
 P A G E 4 8

**MODELOPTs:
 CONC

URBAN FLAT FLGPOL

NOCALM

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO_		I N M I C R O G R A M S / M ** 3		**				
GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR	(XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID		
ALL	HIGH 1ST HIGH VALUE IS	1737.73743	ON 81121008: AT (-153.35,	251.11,	0.00,	2.00) DC	NA

*** RECEPTOR TYPES: GC = GRIDCART

GP = GRI DPOLR
DC = DI SCCART
DP = DI SCPPOLR
BD = BOUNDARY

*** I SCST3 - VERSI ON 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON ***
*** CO
**MODELOPTs: URBAN FLAT FLGPOL NOCALM
CONC
12/01/06
11:34:20
PAGE 49

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO_ I N MI CROGRAMS/M**3 **

GROUP I D	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR	(XR, YR, ZELEV, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 596.24951	ON 81112416: AT (	171.20,	110.00, 0.00,	2.00) DC	NA

*** RECEPTOR TYPES: GC = GRI DCART
GP = GRI DPOLR
DC = DI SCCART
DP = DI SCPPOLR
BD = BOUNDARY

*** I SCST3 - VERSI ON 02035 *** *** OAK HI LLS MARKETPLACE LST ANALYSI S - CONSTRUCTI ON ***
*** CO
**MODELOPTs: URBAN FLAT FLGPOL NOCALM
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12/01/06
11:34:20
PAGE 50

*** Message Summary : I SCST3 Model Executi on ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 112 Warning Message(s)
A Total of 1398 Informational Message(s)
A Total of 1398 Calm Hours Identified

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
SO W320 346 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
SO W320 347 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
SO W320 348 VPARAM : Input Parameter May Be Out-of-Range for Parameter SZINI T
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