



February 9, 2017

Mr. Neal Holdridge
Trammel Crow Company
3501 Jamboree Road, Suite 230
Newport Beach, CA 92660

SUBJECT: KNOX BUSINESS PARK SUPPLEMENTAL AIR QUALITY IMPACT ANALYSIS, GREENHOUSE GAS IMPACT ANALYSIS, & MOBILE SOURCE HEALTH RISK ASSESSMENT

Dear Mr. Neal Holdridge:

This letter serves as a supplement to the *Knox Business Park Air Quality Impact Analysis, Greenhouse Gas Impact Analysis, & Mobile Source Health Risk Assessment* (dated August 5, 2016 & January 28, 2016) (referred to as “2016 Studies”). The 2016 Studies evaluated a total of 1,259,050 square feet (sf) of high-cube warehouse / distribution center use within 2 buildings. However, the Project has recently been updated to include the development of a total of 1,114,022 sf of high-cube warehouse / distribution center use within 2 buildings, which results in a net reduction of 145,028 sf from the Project evaluated in the 2016 Studies.

SUMMARY OF FINDINGS

Based on the results of this analysis, no additional impacts are anticipated with the proposed changes to the Project from those previously disclosed in the 2016 Studies. In fact, due to the reduced size of Building E, air quality emissions, greenhouse gas emissions, and health risk emissions would be less than what was analyzed in the 2016 Studies; therefore the 2016 studies represent a worst-case scenario.

PROJECT OVERVIEW

Building D located on the southeast corner of Decker Road and Oleander Avenue was proposed to consist of 703,040 sf of high-cube warehouse / distribution center use and is proposed to remain unchanged. However, Building E was previously assumed to consist of 556,010 sf of high-cube warehouse / distribution center use and has since been reduced to 410,982 sf. Exhibit 1 shows the proposed Building E. Access to Building E would be provided via two proposed driveways on Oleander Avenue. The western driveway would provide access to passenger cars only and the eastern driveway would provide access to trucks only. It is our understanding that a 3rd driveway may potentially provide access to passenger cars only and would be located approximately mid-point between the western and eastern driveways for Building E.

AIR QUALITY IMPACTS

As shown in Table 1, the Revised Project will result in fewer criteria pollutant emissions than what was previously analyzed and disclosed in the 2016 AQ Study. The reduction is due primarily to the fact that the overall project size has decreased which results in fewer vehicle trips and consequently fewer emissions.

TABLE 1: SUMMARY OF MAXIMUM OPERATIONAL EMISSIONS

Operational Activities – Summer Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area Source	42.73	2.77E-03	0.29	2.00E-05	1.05E-03	1.05E-03
Energy Source	0.06	0.51	0.43	3.06E-03	0.04	0.04
Mobile (Trucks)	16.29	354.35	152.02	1.11	42.11	16.13
Mobile (Passenger Cars)	2.45	3.04	41.98	0.14	13.55	3.64
Offroad Equipment	1.48	17.75	7.38	0.02	0.81	0.74
Total Maximum Daily Emissions (Revised Project)	63.01	375.65	202.10	1.25	56.51	20.55
Total Maximum Daily Emissions (From AQ Study)	72.01	421.51	217.01	1.39	60.09	22.14
Variance	-9.00	-45.86	-14.91	-0.14	-3.58	-1.59

Operational Activities – Winter Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area Source	42.73	2.77E-03	0.29	2.00E-05	1.05E-03	1.05E-03
Energy Source	0.06	0.51	0.43	3.06E-03	0.04	0.04
Mobile (Trucks)	16.58	369.16	160.06	1.11	42.11	16.14
Mobile (Passenger Cars)	2.29	3.22	35.55	0.13	13.55	3.64
Offroad Equipment	1.48	17.75	7.38	0.02	0.81	0.74
Total Maximum Daily Emissions (Revised Project)	63.14	390.64	203.71	1.26	56.51	20.56
Total Maximum Daily Emissions (From AQ Study)	72.16	438.40	220.83	1.38	60.09	22.15
Variance	-9.02	-47.76	-17.12	-0.12	-3.58	-1.59

GREENHOUSE GAS IMPACTS

As shown in Table 2, the Revised Project will result in less greenhouse gas emissions than what was previously analyzed and disclosed in the 2016 GHG Study. The reduction is due primarily to the fact that the overall project size has decreased which results in fewer vehicle trips and consequently fewer emissions. Notwithstanding that, the Revised Project will still be required to comply with the County's

Climate Action Plan and achieve a minimum of 100 points as identified in the 2016 GHG Study.

TABLE 2: PROJECT GREENHOUSE GAS EMISSIONS

Emission Source	Emissions (metric tons per year)			
	CO ₂	CH ₄	N ₂ O	Total CO ₂ E
Annual construction-related emissions amortized over 30 years	99.19	0.01	--	99.50
Area	0.07	1.90E-04	0	0.07
Energy	996.87	0.05	0.01	1001.78
Mobile Sources (Trucks)	18,127.30	0.12	0	18129.84
Mobile Sources (Passenger Cars)	1683.5	0.06	0	1684.81
Offroad Equipment	333.07	0.1	0	335.21
Waste	240.24	14.2	0	538.40
Water Usage	43.12	0.42	0.01	55.13
Total CO₂E (Revised Project)	21,844.74			
Total CO₂E (From GHG Study)	24,617.57			
Variance	-2,772.83			

HEALTH RISK ASSESSMENT IMPACTS

As shown in Table 3, the Revised Project will result in a reduced maximum lifetime cancer risk than what was previously analyzed and disclosed in the 2016 HRA Study. The reduction is due primarily to the fact that the overall project size has decreased which results in fewer truck trips and consequently fewer diesel emissions.

TABLE 3: SUMMARY OF CANCER RISKS

Location	Maximum Lifetime Cancer Risk (Risk per Million)
Maximum Exposed Residential Receptor (Revised Project)	5.97
Maximum Exposed Residential Receptor (From HRA Study)	6.19
Variance	-0.22

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FINDINGS

Based on the results of this analysis, no additional impacts are anticipated with the proposed changes to the Project from those previously disclosed in the 2016 Studies. In fact, due to the reduced size of Building E, air quality emissions, greenhouse gas emissions, and health risk emissions would be less than what was analyzed in the 2016 Studies; therefore the 2016 studies represent a worst-case scenario.

If you have any questions, please contact me directly at (949) 336-5987.

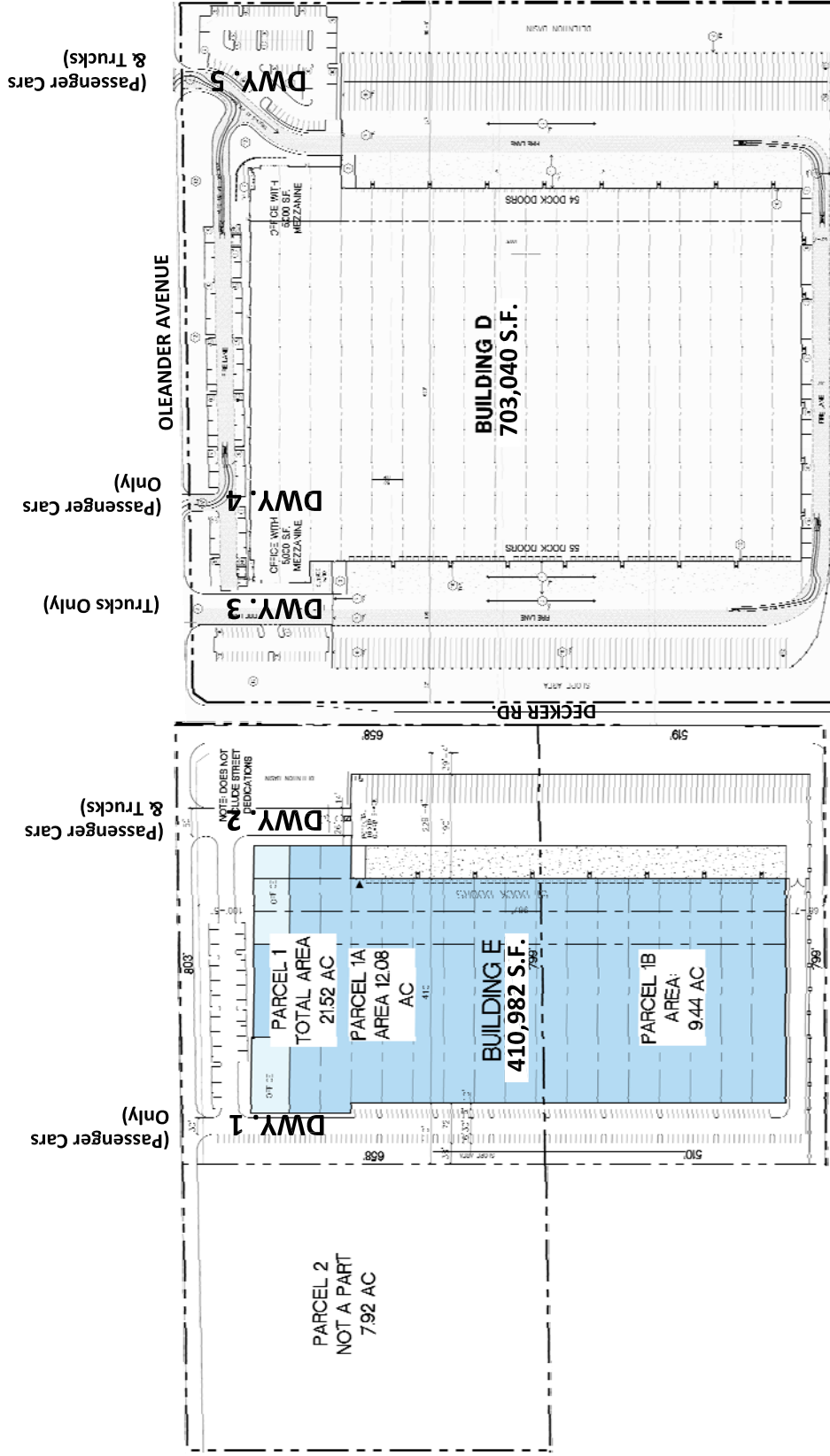
Respectfully submitted,

URBAN CROSSROADS, INC.



Haseeb Qureshi,
Senior Associate

EXHIBIT 1: PRELIMINARY SITE PLAN



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ATTACHMENT A: REVISED MODELING FILES

Knox Business Park - Trucks Only
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,114.02	1000sqft	50.33	1,114,020.00	0
Parking Lot	1,697.00	Space	15.27	678,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 572 Auto Stalls + 1,125 Auto Stall Equivalents for trucks (344 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Trips and VMT -

Vehicle Trips - Truck Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

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Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Area Coating -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	25.57	50.33
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00

tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	1,047.18	1,183.51
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00

tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TL	6.90	61.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	WD_TR	2.59	0.64
tblWater	IndoorWaterUseRate	257,617,125.00	16,031,890.31

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Energy	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7384	642.7384	0.0123	0.0118	646.6500
Mobile	16.5757	369.1637	160.0639	1.1084	35.1878	6.9235	42.1113	9.7680	6.3694	16.1374		109,864.5833	109,864.5833	0.7339		109,879.9945
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	60.8409	387.4520	168.1828	1.1313	35.1878	7.7721	42.9599	9.7680	7.1535	16.9215		112,519.6998	112,519.6998	1.3643	0.0118	112,552.0031

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Energy	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1401	611.1401	0.0117	0.0112	614.8594
Mobile	16.5757	369.1637	160.0639	1.1084	35.1878	6.9235	42.1113	9.7680	6.3694	16.1374		109,864.5833	109,864.5833	0.7339		109,879.9945
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	60.8380	387.4257	168.1606	1.1312	35.1878	7.7701	42.9579	9.7680	7.1515	16.9195		112,488.1015	112,488.1015	1.3637	0.0112	112,520.2125

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.43	4.59	4.40	1.75	0.00	10.41	1.88	0.00	10.40	4.40	0.00	1.82	1.82	45.23	4.92	1.83

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	4/7/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	16.5757	369.1637	160.0639	1.1084	35.1878	6.9235	42.1113	9.7680	6.3694	16.1374		109,864.5833	109,864.5833	0.7339		109,879.9945
Mitigated	16.5757	369.1637	160.0639	1.1084	35.1878	6.9235	42.1113	9.7680	6.3694	16.1374		109,864.5833	109,864.5833	0.7339		109,879.9945

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	712.97	712.97	712.97	14,763,044	14,763,044
Total	712.97	712.97	712.97	14,763,044	14,763,044

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	61.00	0.00	0.00	100.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.220300	0.000000	0.176600	0.603100	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Unmitigated	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7384	642.7384	0.0123	0.0118	646.6500
NaturalGas Mitigated	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1401	611.1401	0.0117	0.0112	614.8594

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	5463.28	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7384	642.7384	0.0123	0.0118	646.6500
Total		0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7384	642.7384	0.0123	0.0118	646.6500

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Fuel	5.19469	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1401	611.1401	0.0117	0.0112	614.8594
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1401	611.1401	0.0117	0.0112	614.8594

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Mitigated	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0282	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Total	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0282	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Total	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5274	4.5660	3.1228	3.8100e-003		0.3767	0.3767		0.3466	0.3466		390.6369	390.6369	0.1197		393.1504
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074

10.0 Vegetation

Knox Business Park - Passenger Cars Only
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,114.02	1000sqft	50.33	1,114,022.00	0
Parking Lot	1,697.00	Space	15.27	678,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 572 Auto Stalls + 1,125 Auto Stall Equivalents for trucks (344 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Vehicle Trips - Passenger Car Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Trips and VMT - Construction modeled separately

Area Coating -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	4/7/2016	1/1/2016
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LandUseSquareFeet	1,114,020.00	1,114,022.00
tblLandUse	LotAcreage	25.57	50.33
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00

tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04
tblWater	IndoorWaterUseRate	257,617,125.00	16,031,890.31

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Energy	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7395	642.7395	0.0123	0.0118	646.6511
Mobile	2.4576	3.0717	42.3723	0.1440	13.6275	0.0641	13.6916	3.6125	0.0591	3.6716		11,152.1766	11,152.1766	0.3817		11,160.1913
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	46.7228	21.3600	50.4911	0.1669	13.6275	0.9127	14.5403	3.6125	0.8432	4.4557		13,807.2943	13,807.2943	1.0121	0.0118	13,832.2010

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Energy	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1412	611.1412	0.0117	0.0112	614.8605
Mobile	2.4501	3.0437	41.9822	0.1426	13.4913	0.0635	13.5548	3.5764	0.0586	3.6350		11,042.1741	11,042.1741	0.3780		11,050.1124
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	46.7125	21.3057	50.0789	0.1653	13.4913	0.9102	14.4014	3.5764	0.8407	4.4170		13,665.6934	13,665.6934	1.0078	0.0112	13,690.3315

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.18	83.35	15.43	12.73	1.00	88.68	6.50	1.00	88.34	17.53	0.00	15.60	15.60	61.32	4.92	15.66

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/1/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	2.4576	3.0717	42.3723	0.1440	13.6275	0.0641	13.6916	3.6125	0.0591	3.6716		11,152.1766	11,152.1766	0.3817		11,160.1913
Mitigated	2.4501	3.0437	41.9822	0.1426	13.4913	0.0635	13.5548	3.5764	0.0586	3.6350		11,042.1741	11,042.1741	0.3780		11,050.1124

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,158.58	1,158.58	1,158.58	6,529,344	6,464,051
Total	1,158.58	1,158.58	1,158.58	6,529,344	6,464,051

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Unmitigated	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7395	642.7395	0.0123	0.0118	646.6511
NaturalGas Mitigated	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1412	611.1412	0.0117	0.0112	614.8605

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No	5463.29	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7395	642.7395	0.0123	0.0118	646.6511
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7395	642.7395	0.0123	0.0118	646.6511

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Fuel	5.1947	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1412	611.1412	0.0117	0.0112	614.8605
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1412	611.1412	0.0117	0.0112	614.8605

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Mitigated	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0282	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Total	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0282	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Total	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5274	4.5660	3.1228	3.8100e-003		0.3767	0.3767		0.3466	0.3466		390.6369	390.6369	0.1197		393.1504
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074

10.0 Vegetation

Knox Business Park - Passenger Cars Only
Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,114.02	1000sqft	50.33	1,114,022.00	0
Parking Lot	1,697.00	Space	15.27	678,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 572 Auto Stalls + 1,125 Auto Stall Equivalents for trucks (344 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Vehicle Trips - Passenger Car Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Trips and VMT - Construction modeled separately

Area Coating -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	4/7/2016	1/1/2016
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LandUseSquareFeet	1,114,020.00	1,114,022.00
tblLandUse	LotAcreage	25.57	50.33
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00

tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04
tblWater	IndoorWaterUseRate	257,617,125.00	16,031,890.31

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Energy	0.0108	0.0978	0.0821	5.9000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	1,006.6612	1,006.6612	0.0527	0.0124	1,011.6208
Mobile	0.3999	0.6164	6.7713	0.0242	2.4388	0.0117	2.4505	0.6473	0.0107	0.6581	0.0000	1,700.2521	1,700.2521	0.0629	0.0000	1,701.5738
Offroad	0.2697	3.2394	1.3462	3.5900e-003		0.1473	0.1473		0.1355	0.1355	0.0000	333.0699	333.0699	0.1021	0.0000	335.2130
Waste						0.0000	0.0000		0.0000	0.0000	212.5681	0.0000	212.5681	12.5624	0.0000	476.3788
Water						0.0000	0.0000		0.0000	0.0000	5.0862	48.8088	53.8950	0.5252	0.0129	68.9230
Total	8.4767	3.9539	8.2362	0.0284	2.4388	0.1665	2.6053	0.6473	0.1538	0.8011	217.6543	3,088.8618	3,306.5161	13.3054	0.0253	3,593.7833

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Energy	0.0102	0.0929	0.0781	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	996.8714	996.8714	0.0523	0.0123	1,001.7774
Mobile	0.3987	0.6108	6.7115	0.0239	2.4144	0.0116	2.4260	0.6408	0.0107	0.6515	0.0000	1,683.5001	1,683.5001	0.0623	0.0000	1,684.8093
Offroad	0.2697	3.2394	1.3462	3.5900e-003		0.1473	0.1473		0.1355	0.1355	0.0000	333.0699	333.0699	0.1021	0.0000	335.2130
Waste						0.0000	0.0000		0.0000	0.0000	212.5681	0.0000	212.5681	12.5624	0.0000	476.3788
Water						0.0000	0.0000		0.0000	0.0000	4.0689	39.0471	43.1160	0.4200	0.0103	55.1319
Total	8.4749	3.9434	8.1724	0.0281	2.4144	0.1660	2.5804	0.6408	0.1533	0.7942	216.6370	3,052.5583	3,269.1953	13.1994	0.0226	3,553.3842

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.20	82.19	17.12	13.62	1.00	88.74	6.61	1.00	88.40	17.78	0.47	11.96	11.20	1.56	10.82	10.45

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/1/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Unmitigated	0.0108	0.0978	0.0821	5.9000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	106.4127	106.4127	2.0400e-003	1.9500e-003	107.0604
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	895.6902	895.6902	0.0504	0.0104	899.9803
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	900.2484	900.2484	0.0507	0.0105	904.5605
NaturalGas Mitigated	0.0102	0.0929	0.0781	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	101.1813	101.1813	1.9400e-003	1.8500e-003	101.7971

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	1.9941e+006	0.0108	0.0978	0.0821	5.9000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	106.4127	106.4127	2.0400e-003	1.9500e-003	107.0604
Total		0.0108	0.0978	0.0821	5.9000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	106.4127	106.4127	2.0400e-003	1.9500e-003	107.0604

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Pail	1.89607e+006	0.0102	0.0929	0.0781	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	101.1813	101.1813	1.9400e-003	1.8500e-003	101.7971
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0102	0.0929	0.0781	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	101.1813	101.1813	1.9400e-003	1.8500e-003	101.7971

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	597344	139.6670	7.8600e-003	1.6300e-003	140.3359
Unrefrigerated Warehouse-No Rail	3.25294e+006	760.5815	0.0428	8.8500e-003	764.2245
Total		900.2484	0.0507	0.0105	904.5605

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	597344	139.6670	7.8600e-003	1.6300e-003	140.3359
Unrefrigerated Warehouse-No Rail	3.23345e+006	756.0232	0.0425	8.8000e-003	759.6444
Total		895.6902	0.0504	0.0104	899.9803

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Mitigated	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.3145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4784					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5300e-003	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Total	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.3145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4784					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5300e-003	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Total	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	53.8950	0.5252	0.0129	68.9230
Mitigated	43.1160	0.4200	0.0103	55.1319

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	16.0319 / 0	53.8950	0.5252	0.0129	68.9230
Total		53.8950	0.5252	0.0129	68.9230

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	12.8255 / 0	43.1160	0.4200	0.0103	55.1319
Total		43.1160	0.4200	0.0103	55.1319

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	212.5681	12.5624	0.0000	476.3788
Unmitigated	212.5681	12.5624	0.0000	476.3788

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1047.18	212.5681	12.5624	0.0000	476.3788
Total		212.5681	12.5624	0.0000	476.3788

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1047.18	212.5681	12.5624	0.0000	476.3788
Total		212.5681	12.5624	0.0000	476.3788

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0962	0.8333	0.5699	7.0000e-004		0.0688	0.0688		0.0633	0.0633	0.0000	64.6743	64.6743	0.0198	0.0000	65.0905
Tractors/Loaders/Backhoes	0.1734	2.4061	0.7763	2.8900e-003		0.0785	0.0785		0.0722	0.0722	0.0000	268.3956	268.3956	0.0822	0.0000	270.1226
Total	0.2697	3.2394	1.3462	3.5900e-003		0.1473	0.1473		0.1355	0.1355	0.0000	333.0699	333.0699	0.1021	0.0000	335.2130

10.0 Vegetation

Knox Business Park - Passenger Cars Only
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,114.02	1000sqft	50.33	1,114,022.00	0
Parking Lot	1,697.00	Space	15.27	678,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 572 Auto Stalls + 1,125 Auto Stall Equivalents for trucks (344 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Vehicle Trips - Passenger Car Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Trips and VMT - Construction modeled separately

Area Coating -

Solid Waste -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	4/7/2016	1/1/2016
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LandUseSquareFeet	1,114,020.00	1,114,022.00
tblLandUse	LotAcreage	25.57	50.33
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00

tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TTP	41.00	0.00
tblVehicleTrips	CW_TTP	59.00	100.00
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04
tblWater	IndoorWaterUseRate	257,617,125.00	16,031,890.31

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Energy	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7395	642.7395	0.0123	0.0118	646.6511
Mobile	2.2925	3.2506	35.8635	0.1311	13.6275	0.0641	13.6916	3.6125	0.0591	3.6716		10,167.7275	10,167.7275	0.3817		10,175.7422
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	46.5577	21.5389	43.9824	0.1540	13.6275	0.9127	14.5403	3.6125	0.8432	4.4557		12,822.8453	12,822.8453	1.0121	0.0118	12,847.7519

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Energy	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1412	611.1412	0.0117	0.0112	614.8605
Mobile	2.2859	3.2210	35.5479	0.1298	13.4913	0.0635	13.5548	3.5764	0.0586	3.6350		10,067.5695	10,067.5695	0.3780		10,075.5079
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	46.5482	21.4830	43.6446	0.1526	13.4913	0.9102	14.4014	3.5764	0.8407	4.4170		12,691.0888	12,691.0888	1.0078	0.0112	12,715.7269

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	3.19	82.67	17.54	13.71	1.00	88.68	6.50	1.00	88.34	17.53	0.00	16.72	16.72	61.32	4.92	16.79

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/1/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	2.2925	3.2506	35.8635	0.1311	13.6275	0.0641	13.6916	3.6125	0.0591	3.6716		10,167.7275	10,167.7275	0.3817		10,175.7422
Mitigated	2.2859	3.2210	35.5479	0.1298	13.4913	0.0635	13.5548	3.5764	0.0586	3.6350		10,067.5695	10,067.5695	0.3780		10,075.5079

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,158.58	1,158.58	1,158.58	6,529,344	6,464,051
Total	1,158.58	1,158.58	1,158.58	6,529,344	6,464,051

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	100.00	0.00	0.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Unmitigated	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7395	642.7395	0.0123	0.0118	646.6511
NaturalGas Mitigated	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1412	611.1412	0.0117	0.0112	614.8605

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	5463.29	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7395	642.7395	0.0123	0.0118	646.6511
Total		0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7395	642.7395	0.0123	0.0118	646.6511

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Fuel	5.1947	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1412	611.1412	0.0117	0.0112	614.8605
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1412	611.1412	0.0117	0.0112	614.8605

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Mitigated	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0282	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Total	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0282	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Total	42.7287	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5274	4.5660	3.1228	3.8100e-003		0.3767	0.3767		0.3466	0.3466		390.6369	390.6369	0.1197		393.1504
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074

10.0 Vegetation

Knox Business Park - Trucks Only Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,114.02	1000sqft	50.33	1,114,020.00	0
Parking Lot	1,697.00	Space	15.27	678,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 572 Auto Stalls + 1,125 Auto Stall Equivalents for trucks (344 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Trips and VMT -

Vehicle Trips - Truck Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Area Coating -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	25.57	50.33
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00

tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	1,047.18	1,183.51
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00

tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TL	6.90	61.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	WD_TR	2.59	0.64
tblWater	IndoorWaterUseRate	257,617,125.00	16,031,890.31

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Energy	0.0108	0.0978	0.0821	5.9000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	1,006.6596	1,006.6596	0.0527	0.0124	1,011.6192
Mobile	3.0104	68.1628	29.4734	0.2016	6.3106	1.2580	7.5686	1.7548	1.1573	2.9121	0.0000	18,127.3041	18,127.3041	0.1207	0.0000	18,129.8388
Offroad	0.2697	3.2394	1.3462	3.5900e-003		0.1473	0.1473		0.1355	0.1355	0.0000	333.0699	333.0699	0.1021	0.0000	335.2130
Waste						0.0000	0.0000		0.0000	0.0000	240.2418	0.0000	240.2418	14.1979	0.0000	538.3974
Water						0.0000	0.0000		0.0000	0.0000	5.0862	48.8088	53.8950	0.5252	0.0129	68.9230
Total	11.0872	71.5003	30.9383	0.2058	6.3106	1.4128	7.7234	1.7548	1.3003	3.0551	245.3280	19,515.9122	19,761.2403	14.9987	0.0253	20,084.0654

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Energy	0.0102	0.0929	0.0781	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	996.8699	996.8699	0.0523	0.0123	1,001.7758
Mobile	3.0104	68.1628	29.4734	0.2016	6.3106	1.2580	7.5686	1.7548	1.1573	2.9121	0.0000	18,127.3041	18,127.3041	0.1207	0.0000	18,129.8388
Offroad	0.2697	3.2394	1.3462	3.5900e-003		0.1473	0.1473		0.1355	0.1355	0.0000	333.0699	333.0699	0.1021	0.0000	335.2130
Waste						0.0000	0.0000		0.0000	0.0000	240.2418	0.0000	240.2418	14.1979	0.0000	538.3974
Water						0.0000	0.0000		0.0000	0.0000	4.0689	39.0471	43.1160	0.4200	0.0103	55.1319
Total	11.0866	71.4955	30.9342	0.2058	6.3106	1.4124	7.7230	1.7548	1.3000	3.0548	244.3108	19,496.3608	19,740.6715	14.8932	0.0226	20,060.4309

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.44	4.54	4.36	1.76	0.00	10.45	1.91	0.00	10.45	4.45	0.41	1.81	1.79	1.38	10.82	1.79

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	4/7/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated	3.0104	68.1628	29.4734	0.2016	6.3106	1.2580	7.5686	1.7548	1.1573	2.9121	0.0000	18,127.3041	18,127.3041	0.1207	0.0000	18,129.8388
Mitigated	3.0104	68.1628	29.4734	0.2016	6.3106	1.2580	7.5686	1.7548	1.1573	2.9121	0.0000	18,127.3041	18,127.3041	0.1207	0.0000	18,129.8388

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	712.97	712.97	712.97	14,763,044	14,763,044
Total	712.97	712.97	712.97	14,763,044	14,763,044

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	61.00	0.00	0.00	100.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.220300	0.000000	0.176600	0.603100	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
NaturalGas Unmitigated	0.0108	0.0978	0.0821	5.9000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	106.4126	106.4126	2.0400e-003	1.9500e-003	107.0602
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	895.6888	895.6888	0.0504	0.0104	899.9790
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	900.2471	900.2471	0.0507	0.0105	904.5591
NaturalGas Mitigated	0.0102	0.0929	0.0781	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	101.1811	101.1811	1.9400e-003	1.8500e-003	101.7969

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	tons/yr										MT/yr						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	1.9941e+006	0.0108	0.0978	0.0821	5.9000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	106.4126	106.4126	2.0400e-003	1.9500e-003	107.0602	
Total		0.0108	0.0978	0.0821	5.9000e-004		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	106.4126	106.4126	2.0400e-003	1.9500e-003	107.0602	

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Pail	1.89606e+006	0.0102	0.0929	0.0781	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	101.1811	101.1811	1.9400e-003	1.8500e-003	101.7969
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0102	0.0929	0.0781	5.6000e-004		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	101.1811	101.1811	1.9400e-003	1.8500e-003	101.7969

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	597344	139.6670	7.8600e-003	1.6300e-003	140.3359
Unrefrigerated Warehouse-No Rail	3.25294e+006	760.5801	0.0428	8.8500e-003	764.2232
Total		900.2471	0.0507	0.0105	904.5591

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	597344	139.6670	7.8600e-003	1.6300e-003	140.3359
Unrefrigerated Warehouse-No Rail	3.23344e+006	756.0219	0.0425	8.8000e-003	759.6431
Total		895.6888	0.0504	0.0104	899.9790

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Unmitigated	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Mitigated	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.3145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4784					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5300e-003	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Total	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.3145					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.4784					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5300e-003	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738
Total	7.7964	3.5000e-004	0.0366	0.0000		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	0.0698	0.0698	1.9000e-004	0.0000	0.0738

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Unmitigated	53.8950	0.5252	0.0129	68.9230
Mitigated	43.1160	0.4200	0.0103	55.1319

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	16.0319 / 0	53.8950	0.5252	0.0129	68.9230
Total		53.8950	0.5252	0.0129	68.9230

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	12.8255 / 0	43.1160	0.4200	0.0103	55.1319
Total		43.1160	0.4200	0.0103	55.1319

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	240.2418	14.1979	0.0000	538.3974
Unmitigated	240.2418	14.1979	0.0000	538.3974

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1183.51	240.2418	14.1979	0.0000	538.3974
Total		240.2418	14.1979	0.0000	538.3974

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	1183.51	240.2418	14.1979	0.0000	538.3974
Total		240.2418	14.1979	0.0000	538.3974

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Forklifts	0.0962	0.8333	0.5699	7.0000e-004		0.0688	0.0688		0.0633	0.0633	0.0000	64.6743	64.6743	0.0198	0.0000	65.0905
Tractors/Loaders/Backhoes	0.1734	2.4061	0.7763	2.8900e-003		0.0785	0.0785		0.0722	0.0722	0.0000	268.3956	268.3956	0.0822	0.0000	270.1226
Total	0.2697	3.2394	1.3462	3.5900e-003		0.1473	0.1473		0.1355	0.1355	0.0000	333.0699	333.0699	0.1021	0.0000	335.2130

10.0 Vegetation

Knox Business Park - Trucks Only
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,114.02	1000sqft	50.33	1,114,020.00	0
Parking Lot	1,697.00	Space	15.27	678,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 572 Auto Stalls + 1,125 Auto Stall Equivalents for trucks (344 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Trips and VMT -

Vehicle Trips - Truck Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Area Coating -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	25.57	50.33
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00

tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	1,047.18	1,183.51
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00

tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TL	6.90	61.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	WD_TR	2.59	0.64
tblWater	IndoorWaterUseRate	257,617,125.00	16,031,890.31

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Energy	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7384	642.7384	0.0123	0.0118	646.6500
Mobile	16.2946	354.3544	152.0195	1.1093	35.1878	6.9178	42.1055	9.7680	6.3642	16.1321		109,962.886	109,962.886	0.7305		109,978.2290
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	60.5598	372.6427	160.1383	1.1322	35.1878	7.7664	42.9542	9.7680	7.1482	16.9162		112,618.0052	112,618.0052	1.3609	0.0118	112,650.2375

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Energy	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1401	611.1401	0.0117	0.0112	614.8594
Mobile	16.2946	354.3544	152.0195	1.1093	35.1878	6.9178	42.1055	9.7680	6.3642	16.1321		109,962.886	109,962.886	0.7305		109,978.2290
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	60.5569	372.6163	160.1162	1.1320	35.1878	7.7644	42.9522	9.7680	7.1462	16.9142		112,586.4069	112,586.4069	1.3603	0.0112	112,618.4469

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.44	4.77	4.62	1.75	0.00	10.41	1.88	0.00	10.41	4.40	0.00	1.81	1.81	45.34	4.92	1.83

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	4/7/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	16.2946	354.3544	152.0195	1.1093	35.1878	6.9178	42.1055	9.7680	6.3642	16.1321		109,962.886	109,962.886	0.7305		109,978.2290
Mitigated	16.2946	354.3544	152.0195	1.1093	35.1878	6.9178	42.1055	9.7680	6.3642	16.1321		109,962.886	109,962.886	0.7305		109,978.2290

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	712.97	712.97	712.97	14,763,044	14,763,044
Total	712.97	712.97	712.97	14,763,044	14,763,044

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	61.00	0.00	0.00	100.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.220300	0.000000	0.176600	0.603100	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Unmitigated	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7384	642.7384	0.0123	0.0118	646.6500
NaturalGas Mitigated	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1401	611.1401	0.0117	0.0112	614.8594

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Pail	5463.28	0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7384	642.7384	0.0123	0.0118	646.6500
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0589	0.5356	0.4499	3.2100e-003		0.0407	0.0407		0.0407	0.0407		642.7384	642.7384	0.0123	0.0118	646.6500

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Fuel Parking Lot	5.19469	0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1401	611.1401	0.0117	0.0112	614.8594
	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0560	0.5093	0.4278	3.0600e-003		0.0387	0.0387		0.0387	0.0387		611.1401	611.1401	0.0117	0.0112	614.8594

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Mitigated	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0282	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Total	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	7.2026					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	35.4978					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0282	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512
Total	42.7286	2.7700e-003	0.2924	2.0000e-005		1.0500e-003	1.0500e-003		1.0500e-003	1.0500e-003		0.6152	0.6152	1.7100e-003		0.6512

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5274	4.5660	3.1228	3.8100e-003		0.3767	0.3767		0.3466	0.3466		390.6369	390.6369	0.1197		393.1504
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074

10.0 Vegetation

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**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.2.0
** Lakes Environmental Software Inc.
** Date: 2/8/2017
** File: C:\Lakes\AERMOD View\KnoxBP Memo\KnoxBPre\KnoxBPre.ADI
**

**
**

** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc
MODELOPT DEFAULT CONC
AVERTIME ANNUAL
URBANOPT 2100516
POLLUTID DPM
RUNORNOT RUN
ERRORFIL KnoxBPre.err

CO FINISHED
**

** AERMOD Source Pathway

**
**

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Idling Building E (East Side)
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00001956
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 2
** 475022.016, 3746232.412, 489.79, 4.00, 3.95
** 475017.538, 3745993.054, 491.56, 4.00, 3.95
**

LOCATION	L0005585	VOLUME	475021.937	3746228.162	489.89
LOCATION	L0005586	VOLUME	475021.778	3746219.664	489.87
LOCATION	L0005587	VOLUME	475021.619	3746211.165	489.61
LOCATION	L0005588	VOLUME	475021.460	3746202.667	489.35
LOCATION	L0005589	VOLUME	475021.301	3746194.168	489.09
LOCATION	L0005590	VOLUME	475021.142	3746185.670	489.11
LOCATION	L0005591	VOLUME	475020.983	3746177.171	489.39
LOCATION	L0005592	VOLUME	475020.824	3746168.673	489.68
LOCATION	L0005593	VOLUME	475020.665	3746160.174	489.97
LOCATION	L0005594	VOLUME	475020.506	3746151.676	489.71
LOCATION	L0005595	VOLUME	475020.347	3746143.177	489.43
LOCATION	L0005596	VOLUME	475020.188	3746134.679	489.15
LOCATION	L0005597	VOLUME	475020.029	3746126.180	489.13
LOCATION	L0005598	VOLUME	475019.870	3746117.682	489.41
LOCATION	L0005599	VOLUME	475019.711	3746109.183	489.70
LOCATION	L0005600	VOLUME	475019.552	3746100.685	489.99
LOCATION	L0005601	VOLUME	475019.393	3746092.186	490.02
LOCATION	L0005602	VOLUME	475019.234	3746083.688	490.03

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LOCATION	VOLUME	475019.075	3746075.189	490.03
LOCATION L0005604	VOLUME	475018.916	3746066.691	490.04
LOCATION L0005605	VOLUME	475018.757	3746058.192	490.06
LOCATION L0005606	VOLUME	475018.598	3746049.694	490.08
LOCATION L0005607	VOLUME	475018.439	3746041.195	490.10
LOCATION L0005608	VOLUME	475018.280	3746032.697	490.34
LOCATION L0005609	VOLUME	475018.121	3746024.198	490.62
LOCATION L0005610	VOLUME	475017.962	3746015.700	490.89
LOCATION L0005611	VOLUME	475017.803	3746007.201	491.08
LOCATION L0005612	VOLUME	475017.644	3745998.702	491.11

** End of LINE VOLUME Source ID = SLINE2

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Idling Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00003347

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

**

LOCATION L0004872	VOLUME	475163.701	3746225.768	485.02
LOCATION L0004873	VOLUME	475163.542	3746217.269	485.14
LOCATION L0004874	VOLUME	475163.383	3746208.771	484.93
LOCATION L0004875	VOLUME	475163.224	3746200.272	484.72
LOCATION L0004876	VOLUME	475163.065	3746191.774	484.51
LOCATION L0004877	VOLUME	475162.906	3746183.275	484.64
LOCATION L0004878	VOLUME	475162.747	3746174.777	484.87
LOCATION L0004879	VOLUME	475162.588	3746166.278	485.09
LOCATION L0004880	VOLUME	475162.429	3746157.780	485.25
LOCATION L0004881	VOLUME	475162.270	3746149.281	485.26
LOCATION L0004882	VOLUME	475162.111	3746140.783	485.26
LOCATION L0004883	VOLUME	475161.953	3746132.284	485.27
LOCATION L0004884	VOLUME	475161.794	3746123.785	485.48
LOCATION L0004885	VOLUME	475161.635	3746115.287	485.77
LOCATION L0004886	VOLUME	475161.476	3746106.788	486.06
LOCATION L0004887	VOLUME	475161.317	3746098.290	486.29
LOCATION L0004888	VOLUME	475161.158	3746089.791	486.29
LOCATION L0004889	VOLUME	475160.999	3746081.293	486.30
LOCATION L0004890	VOLUME	475160.840	3746072.794	486.31
LOCATION L0004891	VOLUME	475160.681	3746064.296	486.50
LOCATION L0004892	VOLUME	475160.522	3746055.797	486.79
LOCATION L0004893	VOLUME	475160.363	3746047.299	487.08
LOCATION L0004894	VOLUME	475160.204	3746038.800	487.35
LOCATION L0004895	VOLUME	475160.045	3746030.302	487.55
LOCATION L0004896	VOLUME	475159.886	3746021.803	487.74
LOCATION L0004897	VOLUME	475159.727	3746013.305	487.93
LOCATION L0004898	VOLUME	475159.568	3746004.806	488.00
LOCATION L0004899	VOLUME	475159.409	3745996.308	488.00

** End of LINE VOLUME Source ID = SLINE3

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Idling Building D (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00003347

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

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LOCATION L0004900    VOLUME  475392.153 3746219.541 477.59
LOCATION L0004901    VOLUME  475391.994 3746211.043 477.60
LOCATION L0004902    VOLUME  475391.835 3746202.544 477.61
LOCATION L0004903    VOLUME  475391.676 3746194.046 477.61
LOCATION L0004904    VOLUME  475391.517 3746185.547 477.56
LOCATION L0004905    VOLUME  475391.358 3746177.049 477.46
LOCATION L0004906    VOLUME  475391.200 3746168.550 477.36
LOCATION L0004907    VOLUME  475391.041 3746160.052 477.26
LOCATION L0004908    VOLUME  475390.882 3746151.553 477.27
LOCATION L0004909    VOLUME  475390.723 3746143.055 477.29
LOCATION L0004910    VOLUME  475390.564 3746134.556 477.30
LOCATION L0004911    VOLUME  475390.405 3746126.058 477.35
LOCATION L0004912    VOLUME  475390.246 3746117.559 477.46
LOCATION L0004913    VOLUME  475390.087 3746109.061 477.56
LOCATION L0004914    VOLUME  475389.928 3746100.562 477.66
LOCATION L0004915    VOLUME  475389.769 3746092.064 477.67
LOCATION L0004916    VOLUME  475389.610 3746083.565 477.68
LOCATION L0004917    VOLUME  475389.451 3746075.067 477.68
LOCATION L0004918    VOLUME  475389.292 3746066.568 477.69
LOCATION L0004919    VOLUME  475389.133 3746058.070 477.70
LOCATION L0004920    VOLUME  475388.974 3746049.571 477.70
LOCATION L0004921    VOLUME  475388.815 3746041.073 477.71
LOCATION L0004922    VOLUME  475388.656 3746032.574 477.96
LOCATION L0004923    VOLUME  475388.497 3746024.076 478.25
LOCATION L0004924    VOLUME  475388.338 3746015.577 478.54
LOCATION L0004925    VOLUME  475388.179 3746007.079 478.73
LOCATION L0004926    VOLUME  475388.020 3745998.580 478.73
LOCATION L0004927    VOLUME  475387.861 3745990.082 478.74

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** End of LINE VOLUME Source ID = SLINE4

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC On-Site Travel Building E (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 4.11E-06

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475022.016, 3746232.412, 489.79, 4.00, 3.95

** 475017.538, 3745993.054, 491.56, 4.00, 3.95

**

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LOCATION L0005613    VOLUME  475021.937 3746228.162 489.89
LOCATION L0005614    VOLUME  475021.778 3746219.664 489.87
LOCATION L0005615    VOLUME  475021.619 3746211.165 489.61
LOCATION L0005616    VOLUME  475021.460 3746202.667 489.35
LOCATION L0005617    VOLUME  475021.301 3746194.168 489.09
LOCATION L0005618    VOLUME  475021.142 3746185.670 489.11
LOCATION L0005619    VOLUME  475020.983 3746177.171 489.39
LOCATION L0005620    VOLUME  475020.824 3746168.673 489.68
LOCATION L0005621    VOLUME  475020.665 3746160.174 489.97
LOCATION L0005622    VOLUME  475020.506 3746151.676 489.71
LOCATION L0005623    VOLUME  475020.347 3746143.177 489.43
LOCATION L0005624    VOLUME  475020.188 3746134.679 489.15
LOCATION L0005625    VOLUME  475020.029 3746126.180 489.13
LOCATION L0005626    VOLUME  475019.870 3746117.682 489.41
LOCATION L0005627    VOLUME  475019.711 3746109.183 489.70
LOCATION L0005628    VOLUME  475019.552 3746100.685 489.99
LOCATION L0005629    VOLUME  475019.393 3746092.186 490.02
LOCATION L0005630    VOLUME  475019.234 3746083.688 490.03
LOCATION L0005631    VOLUME  475019.075 3746075.189 490.03
LOCATION L0005632    VOLUME  475018.916 3746066.691 490.04
LOCATION L0005633    VOLUME  475018.757 3746058.192 490.06
LOCATION L0005634    VOLUME  475018.598 3746049.694 490.08
LOCATION L0005635    VOLUME  475018.439 3746041.195 490.10

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LOCATION	L0005636	VOLUME	475018.280	3746032.697	490.34
LOCATION	L0005637	VOLUME	475018.121	3746024.198	490.62
LOCATION	L0005638	VOLUME	475017.962	3746015.700	490.89
LOCATION	L0005639	VOLUME	475017.803	3746007.201	491.08
LOCATION	L0005640	VOLUME	475017.644	3745998.702	491.11

** End of LINE VOLUME Source ID = SLINE6

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Travel Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 7.032E-06

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

LOCATION	L0004984	VOLUME	475163.701	3746225.768	485.02
LOCATION	L0004985	VOLUME	475163.542	3746217.269	485.14
LOCATION	L0004986	VOLUME	475163.383	3746208.771	484.93
LOCATION	L0004987	VOLUME	475163.224	3746200.272	484.72
LOCATION	L0004988	VOLUME	475163.065	3746191.774	484.51
LOCATION	L0004989	VOLUME	475162.906	3746183.275	484.64
LOCATION	L0004990	VOLUME	475162.747	3746174.777	484.87
LOCATION	L0004991	VOLUME	475162.588	3746166.278	485.09
LOCATION	L0004992	VOLUME	475162.429	3746157.780	485.25
LOCATION	L0004993	VOLUME	475162.270	3746149.281	485.26
LOCATION	L0004994	VOLUME	475162.111	3746140.783	485.26
LOCATION	L0004995	VOLUME	475161.953	3746132.284	485.27
LOCATION	L0004996	VOLUME	475161.794	3746123.785	485.48
LOCATION	L0004997	VOLUME	475161.635	3746115.287	485.77
LOCATION	L0004998	VOLUME	475161.476	3746106.788	486.06
LOCATION	L0004999	VOLUME	475161.317	3746098.290	486.29
LOCATION	L0005000	VOLUME	475161.158	3746089.791	486.29
LOCATION	L0005001	VOLUME	475160.999	3746081.293	486.30
LOCATION	L0005002	VOLUME	475160.840	3746072.794	486.31
LOCATION	L0005003	VOLUME	475160.681	3746064.296	486.50
LOCATION	L0005004	VOLUME	475160.522	3746055.797	486.79
LOCATION	L0005005	VOLUME	475160.363	3746047.299	487.08
LOCATION	L0005006	VOLUME	475160.204	3746038.800	487.35
LOCATION	L0005007	VOLUME	475160.045	3746030.302	487.55
LOCATION	L0005008	VOLUME	475159.886	3746021.803	487.74
LOCATION	L0005009	VOLUME	475159.727	3746013.305	487.93
LOCATION	L0005010	VOLUME	475159.568	3746004.806	488.00
LOCATION	L0005011	VOLUME	475159.409	3745996.308	488.00

** End of LINE VOLUME Source ID = SLINE7

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Travel Building D (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 7.032E-06

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

LOCATION	L0005012	VOLUME	475392.153	3746219.541	477.59
LOCATION	L0005013	VOLUME	475391.994	3746211.043	477.60
LOCATION	L0005014	VOLUME	475391.835	3746202.544	477.61
LOCATION	L0005015	VOLUME	475391.676	3746194.046	477.61

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LOCATION	L0005016	VOLUME	475391.517	3746185.547	477.56
LOCATION	L0005017	VOLUME	475391.358	3746177.049	477.46
LOCATION	L0005018	VOLUME	475391.200	3746168.550	477.36
LOCATION	L0005019	VOLUME	475391.041	3746160.052	477.26
LOCATION	L0005020	VOLUME	475390.882	3746151.553	477.27
LOCATION	L0005021	VOLUME	475390.723	3746143.055	477.29
LOCATION	L0005022	VOLUME	475390.564	3746134.556	477.30
LOCATION	L0005023	VOLUME	475390.405	3746126.058	477.35
LOCATION	L0005024	VOLUME	475390.246	3746117.559	477.46
LOCATION	L0005025	VOLUME	475390.087	3746109.061	477.56
LOCATION	L0005026	VOLUME	475389.928	3746100.562	477.66
LOCATION	L0005027	VOLUME	475389.769	3746092.064	477.67
LOCATION	L0005028	VOLUME	475389.610	3746083.565	477.68
LOCATION	L0005029	VOLUME	475389.451	3746075.067	477.68
LOCATION	L0005030	VOLUME	475389.292	3746066.568	477.69
LOCATION	L0005031	VOLUME	475389.133	3746058.070	477.70
LOCATION	L0005032	VOLUME	475388.974	3746049.571	477.70
LOCATION	L0005033	VOLUME	475388.815	3746041.073	477.71
LOCATION	L0005034	VOLUME	475388.656	3746032.574	477.96
LOCATION	L0005035	VOLUME	475388.497	3746024.076	478.25
LOCATION	L0005036	VOLUME	475388.338	3746015.577	478.54
LOCATION	L0005037	VOLUME	475388.179	3746007.079	478.73
LOCATION	L0005038	VOLUME	475388.020	3745998.580	478.73
LOCATION	L0005039	VOLUME	475387.861	3745990.082	478.74

** End of LINE VOLUME Source ID = SLINE8

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC Building E Dwy 2 to Harvill (100%)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0000217

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 3

** 475031.865, 3746312.683, 489.78, 4.00, 3.95

** 475031.865, 3746340.371, 489.79, 4.00, 3.95

** 475903.212, 3746346.390, 465.65, 4.00, 3.95

**

LOCATION	L0005641	VOLUME	475031.865	3746316.933	489.60
LOCATION	L0005642	VOLUME	475031.865	3746325.433	489.60
LOCATION	L0005643	VOLUME	475031.865	3746333.933	489.60
LOCATION	L0005644	VOLUME	475033.927	3746340.385	489.54
LOCATION	L0005645	VOLUME	475042.427	3746340.444	489.25
LOCATION	L0005646	VOLUME	475050.926	3746340.503	488.97
LOCATION	L0005647	VOLUME	475059.426	3746340.561	488.69
LOCATION	L0005648	VOLUME	475067.926	3746340.620	488.40
LOCATION	L0005649	VOLUME	475076.426	3746340.679	488.12
LOCATION	L0005650	VOLUME	475084.926	3746340.738	487.84
LOCATION	L0005651	VOLUME	475093.425	3746340.796	487.55
LOCATION	L0005652	VOLUME	475101.925	3746340.855	487.27
LOCATION	L0005653	VOLUME	475110.425	3746340.914	486.97
LOCATION	L0005654	VOLUME	475118.925	3746340.972	486.40
LOCATION	L0005655	VOLUME	475127.425	3746341.031	485.84
LOCATION	L0005656	VOLUME	475135.924	3746341.090	485.27
LOCATION	L0005657	VOLUME	475144.424	3746341.149	484.85
LOCATION	L0005658	VOLUME	475152.924	3746341.207	484.57
LOCATION	L0005659	VOLUME	475161.424	3746341.266	484.29
LOCATION	L0005660	VOLUME	475169.924	3746341.325	484.00
LOCATION	L0005661	VOLUME	475178.423	3746341.383	483.72
LOCATION	L0005662	VOLUME	475186.923	3746341.442	483.44
LOCATION	L0005663	VOLUME	475195.423	3746341.501	483.15
LOCATION	L0005664	VOLUME	475203.923	3746341.560	482.87
LOCATION	L0005665	VOLUME	475212.423	3746341.618	482.59
LOCATION	L0005666	VOLUME	475220.922	3746341.677	482.30
LOCATION	L0005667	VOLUME	475229.422	3746341.736	482.02

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LOCATION	VOLUME				
LOCATION L0005668	VOLUME	475237.922	3746341.794	481.74	
LOCATION L0005669	VOLUME	475246.422	3746341.853	481.45	
LOCATION L0005670	VOLUME	475254.922	3746341.912	481.17	
LOCATION L0005671	VOLUME	475263.421	3746341.971	480.88	
LOCATION L0005672	VOLUME	475271.921	3746342.029	480.58	
LOCATION L0005673	VOLUME	475280.421	3746342.088	480.27	
LOCATION L0005674	VOLUME	475288.921	3746342.147	479.97	
LOCATION L0005675	VOLUME	475297.421	3746342.205	479.45	
LOCATION L0005676	VOLUME	475305.920	3746342.264	478.90	
LOCATION L0005677	VOLUME	475314.420	3746342.323	478.36	
LOCATION L0005678	VOLUME	475322.920	3746342.382	477.81	
LOCATION L0005679	VOLUME	475331.420	3746342.440	477.24	
LOCATION L0005680	VOLUME	475339.920	3746342.499	476.67	
LOCATION L0005681	VOLUME	475348.419	3746342.558	476.11	
LOCATION L0005682	VOLUME	475356.919	3746342.617	475.98	
LOCATION L0005683	VOLUME	475365.419	3746342.675	475.95	
LOCATION L0005684	VOLUME	475373.919	3746342.734	475.93	
LOCATION L0005685	VOLUME	475382.419	3746342.793	475.91	
LOCATION L0005686	VOLUME	475390.918	3746342.851	475.90	
LOCATION L0005687	VOLUME	475399.418	3746342.910	475.90	
LOCATION L0005688	VOLUME	475407.918	3746342.969	475.90	
LOCATION L0005689	VOLUME	475416.418	3746343.028	475.71	
LOCATION L0005690	VOLUME	475424.918	3746343.086	475.45	
LOCATION L0005691	VOLUME	475433.417	3746343.145	475.20	
LOCATION L0005692	VOLUME	475441.917	3746343.204	474.94	
LOCATION L0005693	VOLUME	475450.417	3746343.262	474.65	
LOCATION L0005694	VOLUME	475458.917	3746343.321	474.37	
LOCATION L0005695	VOLUME	475467.417	3746343.380	474.09	
LOCATION L0005696	VOLUME	475475.916	3746343.439	473.98	
LOCATION L0005697	VOLUME	475484.416	3746343.497	473.94	
LOCATION L0005698	VOLUME	475492.916	3746343.556	473.91	
LOCATION L0005699	VOLUME	475501.416	3746343.615	473.84	
LOCATION L0005700	VOLUME	475509.916	3746343.673	473.59	
LOCATION L0005701	VOLUME	475518.415	3746343.732	473.34	
LOCATION L0005702	VOLUME	475526.915	3746343.791	473.09	
LOCATION L0005703	VOLUME	475535.415	3746343.850	472.82	
LOCATION L0005704	VOLUME	475543.915	3746343.908	472.54	
LOCATION L0005705	VOLUME	475552.415	3746343.967	472.25	
LOCATION L0005706	VOLUME	475560.914	3746344.026	472.00	
LOCATION L0005707	VOLUME	475569.414	3746344.084	471.96	
LOCATION L0005708	VOLUME	475577.914	3746344.143	471.92	
LOCATION L0005709	VOLUME	475586.414	3746344.202	471.88	
LOCATION L0005710	VOLUME	475594.914	3746344.261	471.69	
LOCATION L0005711	VOLUME	475603.413	3746344.319	471.41	
LOCATION L0005712	VOLUME	475611.913	3746344.378	471.12	
LOCATION L0005713	VOLUME	475620.413	3746344.437	470.84	
LOCATION L0005714	VOLUME	475628.913	3746344.495	470.60	
LOCATION L0005715	VOLUME	475637.413	3746344.554	470.36	
LOCATION L0005716	VOLUME	475645.912	3746344.613	470.12	
LOCATION L0005717	VOLUME	475654.412	3746344.672	469.85	
LOCATION L0005718	VOLUME	475662.912	3746344.730	469.57	
LOCATION L0005719	VOLUME	475671.412	3746344.789	469.29	
LOCATION L0005720	VOLUME	475679.911	3746344.848	469.00	
LOCATION L0005721	VOLUME	475688.411	3746344.906	469.00	
LOCATION L0005722	VOLUME	475696.911	3746344.965	469.00	
LOCATION L0005723	VOLUME	475705.411	3746345.024	469.00	
LOCATION L0005724	VOLUME	475713.911	3746345.083	468.98	
LOCATION L0005725	VOLUME	475722.410	3746345.141	468.93	
LOCATION L0005726	VOLUME	475730.910	3746345.200	468.88	
LOCATION L0005727	VOLUME	475739.410	3746345.259	468.83	
LOCATION L0005728	VOLUME	475747.910	3746345.317	468.61	
LOCATION L0005729	VOLUME	475756.410	3746345.376	468.37	
LOCATION L0005730	VOLUME	475764.909	3746345.435	468.14	
LOCATION L0005731	VOLUME	475773.409	3746345.494	467.89	
LOCATION L0005732	VOLUME	475781.909	3746345.552	467.60	
LOCATION L0005733	VOLUME	475790.409	3746345.611	467.32	
LOCATION L0005734	VOLUME	475798.909	3746345.670	467.04	

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LOCATION	L0005735	VOLUME	475807.408	3746345.728	467.00
LOCATION	L0005736	VOLUME	475815.908	3746345.787	467.00
LOCATION	L0005737	VOLUME	475824.408	3746345.846	467.00
LOCATION	L0005738	VOLUME	475832.908	3746345.905	466.90
LOCATION	L0005739	VOLUME	475841.408	3746345.963	466.62
LOCATION	L0005740	VOLUME	475849.907	3746346.022	466.34
LOCATION	L0005741	VOLUME	475858.407	3746346.081	466.05
LOCATION	L0005742	VOLUME	475866.907	3746346.139	466.00
LOCATION	L0005743	VOLUME	475875.407	3746346.198	466.00
LOCATION	L0005744	VOLUME	475883.907	3746346.257	466.00
LOCATION	L0005745	VOLUME	475892.406	3746346.316	465.92
LOCATION	L0005746	VOLUME	475900.906	3746346.374	465.64

** End of LINE VOLUME Source ID = SLINE10

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE11

** DESCRSRC Building D Dwy 3 to Harvill (50%)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00001206

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 3

** 475148.123, 3746307.318, 485.03, 4.00, 3.95

** 475148.123, 3746342.019, 485.01, 4.00, 3.95

** 475904.142, 3746349.563, 465.61, 4.00, 3.95

**

LOCATION L0005277 VOLUME 475148.123 3746311.568 485.42
LOCATION L0005278 VOLUME 475148.123 3746320.068 485.21
LOCATION L0005279 VOLUME 475148.123 3746328.568 485.01
LOCATION L0005280 VOLUME 475148.123 3746337.068 484.80
LOCATION L0005281 VOLUME 475151.671 3746342.055 484.61
LOCATION L0005282 VOLUME 475160.171 3746342.140 484.33
LOCATION L0005283 VOLUME 475168.670 3746342.224 484.04
LOCATION L0005284 VOLUME 475177.170 3746342.309 483.76
LOCATION L0005285 VOLUME 475185.670 3746342.394 483.48
LOCATION L0005286 VOLUME 475194.169 3746342.479 483.19
LOCATION L0005287 VOLUME 475202.669 3746342.564 482.91
LOCATION L0005288 VOLUME 475211.168 3746342.648 482.63
LOCATION L0005289 VOLUME 475219.668 3746342.733 482.34
LOCATION L0005290 VOLUME 475228.167 3746342.818 482.06
LOCATION L0005291 VOLUME 475236.667 3746342.903 481.78
LOCATION L0005292 VOLUME 475245.167 3746342.988 481.49
LOCATION L0005293 VOLUME 475253.666 3746343.072 481.21
LOCATION L0005294 VOLUME 475262.166 3746343.157 480.92
LOCATION L0005295 VOLUME 475270.665 3746343.242 480.61
LOCATION L0005296 VOLUME 475279.165 3746343.327 480.29
LOCATION L0005297 VOLUME 475287.664 3746343.412 479.97
LOCATION L0005298 VOLUME 475296.164 3746343.497 479.50
LOCATION L0005299 VOLUME 475304.664 3746343.581 478.96
LOCATION L0005300 VOLUME 475313.163 3746343.666 478.43
LOCATION L0005301 VOLUME 475321.663 3746343.751 477.89
LOCATION L0005302 VOLUME 475330.162 3746343.836 477.32
LOCATION L0005303 VOLUME 475338.662 3746343.921 476.76
LOCATION L0005304 VOLUME 475347.161 3746344.005 476.19
LOCATION L0005305 VOLUME 475355.661 3746344.090 475.97
LOCATION L0005306 VOLUME 475364.161 3746344.175 475.93
LOCATION L0005307 VOLUME 475372.660 3746344.260 475.89
LOCATION L0005308 VOLUME 475381.160 3746344.345 475.86
LOCATION L0005309 VOLUME 475389.659 3746344.429 475.85
LOCATION L0005310 VOLUME 475398.159 3746344.514 475.85
LOCATION L0005311 VOLUME 475406.659 3746344.599 475.85
LOCATION L0005312 VOLUME 475415.158 3746344.684 475.70
LOCATION L0005313 VOLUME 475423.658 3746344.769 475.46
LOCATION L0005314 VOLUME 475432.157 3746344.854 475.22
LOCATION L0005315 VOLUME 475440.657 3746344.938 474.98

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LOCATION	VOLUME	475449.156	3746345.023	474.69
LOCATION L0005317	VOLUME	475457.656	3746345.108	474.41
LOCATION L0005318	VOLUME	475466.156	3746345.193	474.13
LOCATION L0005319	VOLUME	475474.655	3746345.278	473.97
LOCATION L0005320	VOLUME	475483.155	3746345.362	473.92
LOCATION L0005321	VOLUME	475491.654	3746345.447	473.87
LOCATION L0005322	VOLUME	475500.154	3746345.532	473.81
LOCATION L0005323	VOLUME	475508.653	3746345.617	473.58
LOCATION L0005324	VOLUME	475517.153	3746345.702	473.35
LOCATION L0005325	VOLUME	475525.653	3746345.786	473.12
LOCATION L0005326	VOLUME	475534.152	3746345.871	472.86
LOCATION L0005327	VOLUME	475542.652	3746345.956	472.58
LOCATION L0005328	VOLUME	475551.151	3746346.041	472.29
LOCATION L0005329	VOLUME	475559.651	3746346.126	472.01
LOCATION L0005330	VOLUME	475568.150	3746346.211	471.94
LOCATION L0005331	VOLUME	475576.650	3746346.295	471.88
LOCATION L0005332	VOLUME	475585.150	3746346.380	471.82
LOCATION L0005333	VOLUME	475593.649	3746346.465	471.66
LOCATION L0005334	VOLUME	475602.149	3746346.550	471.38
LOCATION L0005335	VOLUME	475610.648	3746346.635	471.09
LOCATION L0005336	VOLUME	475619.148	3746346.719	470.80
LOCATION L0005337	VOLUME	475627.648	3746346.804	470.58
LOCATION L0005338	VOLUME	475636.147	3746346.889	470.36
LOCATION L0005339	VOLUME	475644.647	3746346.974	470.14
LOCATION L0005340	VOLUME	475653.146	3746347.059	469.90
LOCATION L0005341	VOLUME	475661.646	3746347.143	469.61
LOCATION L0005342	VOLUME	475670.145	3746347.228	469.33
LOCATION L0005343	VOLUME	475678.645	3746347.313	469.05
LOCATION L0005344	VOLUME	475687.145	3746347.398	469.00
LOCATION L0005345	VOLUME	475695.644	3746347.483	469.00
LOCATION L0005346	VOLUME	475704.144	3746347.568	469.00
LOCATION L0005347	VOLUME	475712.643	3746347.652	468.98
LOCATION L0005348	VOLUME	475721.143	3746347.737	468.90
LOCATION L0005349	VOLUME	475729.642	3746347.822	468.83
LOCATION L0005350	VOLUME	475738.142	3746347.907	468.75
LOCATION L0005351	VOLUME	475746.642	3746347.992	468.57
LOCATION L0005352	VOLUME	475755.141	3746348.076	468.36
LOCATION L0005353	VOLUME	475763.641	3746348.161	468.15
LOCATION L0005354	VOLUME	475772.140	3746348.246	467.93
LOCATION L0005355	VOLUME	475780.640	3746348.331	467.65
LOCATION L0005356	VOLUME	475789.139	3746348.416	467.36
LOCATION L0005357	VOLUME	475797.639	3746348.500	467.08
LOCATION L0005358	VOLUME	475806.139	3746348.585	467.00
LOCATION L0005359	VOLUME	475814.638	3746348.670	467.00
LOCATION L0005360	VOLUME	475823.138	3746348.755	467.00
LOCATION L0005361	VOLUME	475831.637	3746348.840	466.95
LOCATION L0005362	VOLUME	475840.137	3746348.925	466.66
LOCATION L0005363	VOLUME	475848.637	3746349.009	466.38
LOCATION L0005364	VOLUME	475857.136	3746349.094	466.10
LOCATION L0005365	VOLUME	475865.636	3746349.179	466.00
LOCATION L0005366	VOLUME	475874.135	3746349.264	466.00
LOCATION L0005367	VOLUME	475882.635	3746349.349	466.00
LOCATION L0005368	VOLUME	475891.134	3746349.433	465.96
LOCATION L0005369	VOLUME	475899.634	3746349.518	465.68

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC Building D Dwy 5 to Harvill (50%)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 7.792E-06

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 3

** 475441.004, 3746304.059, 475.29, 4.00, 3.95

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** 475441.004, 3746345.111, 475.00, 4.00, 3.95

** 475910.727, 3746354.035, 465.40, 4.00, 3.95

**

LOCATION	L0005370	VOLUME	475441.004	3746308.309	474.97
LOCATION	L0005371	VOLUME	475441.004	3746316.809	474.97
LOCATION	L0005372	VOLUME	475441.004	3746325.309	474.97
LOCATION	L0005373	VOLUME	475441.004	3746333.809	474.97
LOCATION	L0005374	VOLUME	475441.004	3746342.309	474.97
LOCATION	L0005375	VOLUME	475446.701	3746345.219	474.78
LOCATION	L0005376	VOLUME	475455.199	3746345.381	474.49
LOCATION	L0005377	VOLUME	475463.698	3746345.542	474.21
LOCATION	L0005378	VOLUME	475472.196	3746345.704	473.99
LOCATION	L0005379	VOLUME	475480.695	3746345.865	473.93
LOCATION	L0005380	VOLUME	475489.193	3746346.027	473.87
LOCATION	L0005381	VOLUME	475497.692	3746346.188	473.81
LOCATION	L0005382	VOLUME	475506.190	3746346.349	473.63
LOCATION	L0005383	VOLUME	475514.689	3746346.511	473.40
LOCATION	L0005384	VOLUME	475523.187	3746346.672	473.18
LOCATION	L0005385	VOLUME	475531.686	3746346.834	472.94
LOCATION	L0005386	VOLUME	475540.184	3746346.995	472.66
LOCATION	L0005387	VOLUME	475548.683	3746347.157	472.38
LOCATION	L0005388	VOLUME	475557.181	3746347.318	472.09
LOCATION	L0005389	VOLUME	475565.680	3746347.480	471.95
LOCATION	L0005390	VOLUME	475574.178	3746347.641	471.88
LOCATION	L0005391	VOLUME	475582.676	3746347.803	471.80
LOCATION	L0005392	VOLUME	475591.175	3746347.964	471.70
LOCATION	L0005393	VOLUME	475599.673	3746348.126	471.41
LOCATION	L0005394	VOLUME	475608.172	3746348.287	471.12
LOCATION	L0005395	VOLUME	475616.670	3746348.449	470.83
LOCATION	L0005396	VOLUME	475625.169	3746348.610	470.59
LOCATION	L0005397	VOLUME	475633.667	3746348.771	470.39
LOCATION	L0005398	VOLUME	475642.166	3746348.933	470.18
LOCATION	L0005399	VOLUME	475650.664	3746349.094	469.98
LOCATION	L0005400	VOLUME	475659.163	3746349.256	469.69
LOCATION	L0005401	VOLUME	475667.661	3746349.417	469.41
LOCATION	L0005402	VOLUME	475676.160	3746349.579	469.13
LOCATION	L0005403	VOLUME	475684.658	3746349.740	469.00
LOCATION	L0005404	VOLUME	475693.157	3746349.902	469.00
LOCATION	L0005405	VOLUME	475701.655	3746350.063	469.00
LOCATION	L0005406	VOLUME	475710.153	3746350.225	469.00
LOCATION	L0005407	VOLUME	475718.652	3746350.386	468.90
LOCATION	L0005408	VOLUME	475727.150	3746350.548	468.80
LOCATION	L0005409	VOLUME	475735.649	3746350.709	468.69
LOCATION	L0005410	VOLUME	475744.147	3746350.871	468.55
LOCATION	L0005411	VOLUME	475752.646	3746351.032	468.37
LOCATION	L0005412	VOLUME	475761.144	3746351.193	468.19
LOCATION	L0005413	VOLUME	475769.643	3746351.355	468.01
LOCATION	L0005414	VOLUME	475778.141	3746351.516	467.73
LOCATION	L0005415	VOLUME	475786.640	3746351.678	467.45
LOCATION	L0005416	VOLUME	475795.138	3746351.839	467.16
LOCATION	L0005417	VOLUME	475803.637	3746352.001	467.00
LOCATION	L0005418	VOLUME	475812.135	3746352.162	467.00
LOCATION	L0005419	VOLUME	475820.634	3746352.324	467.00
LOCATION	L0005420	VOLUME	475829.132	3746352.485	467.00
LOCATION	L0005421	VOLUME	475837.630	3746352.647	466.75
LOCATION	L0005422	VOLUME	475846.129	3746352.808	466.46
LOCATION	L0005423	VOLUME	475854.627	3746352.970	466.18
LOCATION	L0005424	VOLUME	475863.126	3746353.131	466.00
LOCATION	L0005425	VOLUME	475871.624	3746353.293	466.00
LOCATION	L0005426	VOLUME	475880.123	3746353.454	466.00
LOCATION	L0005427	VOLUME	475888.621	3746353.615	466.00
LOCATION	L0005428	VOLUME	475897.120	3746353.777	465.76
LOCATION	L0005429	VOLUME	475905.618	3746353.938	465.48

** End of LINE VOLUME Source ID = SLINE12

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE13

** DESCRSRC South on Harvill (5%)
 ** PREFIX
 ** Length of Side = 8.50
 ** Configuration = Adjacent
 ** Emission Rate = 1.146E-06
 ** Vertical Dimension = 4.00
 ** SZINIT = 1.86
 ** Nodes = 2
 ** 475900.495, 3746348.753, 465.75, 4.00, 3.95
 ** 475893.674, 3745874.683, 466.11, 4.00, 3.95
 **

LOCATION	L0005747	VOLUME	475900.434	3746344.503	465.65
LOCATION	L0005748	VOLUME	475900.312	3746336.004	465.66
LOCATION	L0005749	VOLUME	475900.190	3746327.505	465.66
LOCATION	L0005750	VOLUME	475900.067	3746319.006	465.66
LOCATION	L0005751	VOLUME	475899.945	3746310.507	465.67
LOCATION	L0005752	VOLUME	475899.823	3746302.008	465.67
LOCATION	L0005753	VOLUME	475899.701	3746293.509	465.68
LOCATION	L0005754	VOLUME	475899.578	3746285.010	465.68
LOCATION	L0005755	VOLUME	475899.456	3746276.511	465.68
LOCATION	L0005756	VOLUME	475899.334	3746268.011	465.69
LOCATION	L0005757	VOLUME	475899.211	3746259.512	465.69
LOCATION	L0005758	VOLUME	475899.089	3746251.013	465.70
LOCATION	L0005759	VOLUME	475898.967	3746242.514	465.78
LOCATION	L0005760	VOLUME	475898.845	3746234.015	465.86
LOCATION	L0005761	VOLUME	475898.722	3746225.516	465.95
LOCATION	L0005762	VOLUME	475898.600	3746217.017	466.00
LOCATION	L0005763	VOLUME	475898.478	3746208.518	466.00
LOCATION	L0005764	VOLUME	475898.355	3746200.018	466.00
LOCATION	L0005765	VOLUME	475898.233	3746191.519	466.00
LOCATION	L0005766	VOLUME	475898.111	3746183.020	466.00
LOCATION	L0005767	VOLUME	475897.989	3746174.521	466.00
LOCATION	L0005768	VOLUME	475897.866	3746166.022	466.00
LOCATION	L0005769	VOLUME	475897.744	3746157.523	466.06
LOCATION	L0005770	VOLUME	475897.622	3746149.024	466.27
LOCATION	L0005771	VOLUME	475897.499	3746140.525	466.49
LOCATION	L0005772	VOLUME	475897.377	3746132.025	466.70
LOCATION	L0005773	VOLUME	475897.255	3746123.526	466.76
LOCATION	L0005774	VOLUME	475897.132	3746115.027	466.76
LOCATION	L0005775	VOLUME	475897.010	3746106.528	466.77
LOCATION	L0005776	VOLUME	475896.888	3746098.029	466.79
LOCATION	L0005777	VOLUME	475896.766	3746089.530	466.85
LOCATION	L0005778	VOLUME	475896.643	3746081.031	466.92
LOCATION	L0005779	VOLUME	475896.521	3746072.532	466.98
LOCATION	L0005780	VOLUME	475896.399	3746064.032	467.00
LOCATION	L0005781	VOLUME	475896.276	3746055.533	467.00
LOCATION	L0005782	VOLUME	475896.154	3746047.034	467.00
LOCATION	L0005783	VOLUME	475896.032	3746038.535	467.00
LOCATION	L0005784	VOLUME	475895.910	3746030.036	467.00
LOCATION	L0005785	VOLUME	475895.787	3746021.537	467.00
LOCATION	L0005786	VOLUME	475895.665	3746013.038	467.00
LOCATION	L0005787	VOLUME	475895.543	3746004.539	466.97
LOCATION	L0005788	VOLUME	475895.420	3745996.040	466.92
LOCATION	L0005789	VOLUME	475895.298	3745987.540	466.87
LOCATION	L0005790	VOLUME	475895.176	3745979.041	466.80
LOCATION	L0005791	VOLUME	475895.054	3745970.542	466.57
LOCATION	L0005792	VOLUME	475894.931	3745962.043	466.34
LOCATION	L0005793	VOLUME	475894.809	3745953.544	466.10
LOCATION	L0005794	VOLUME	475894.687	3745945.045	466.00
LOCATION	L0005795	VOLUME	475894.564	3745936.546	466.00
LOCATION	L0005796	VOLUME	475894.442	3745928.047	466.00
LOCATION	L0005797	VOLUME	475894.320	3745919.547	466.00
LOCATION	L0005798	VOLUME	475894.198	3745911.048	466.00
LOCATION	L0005799	VOLUME	475894.075	3745902.549	466.00
LOCATION	L0005800	VOLUME	475893.953	3745894.050	466.00
LOCATION	L0005801	VOLUME	475893.831	3745885.551	466.00
LOCATION	L0005802	VOLUME	475893.708	3745877.052	466.00


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** End of LINE VOLUME Source ID = SLINE13
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE15
** DESCRSRC Harvill to Harley Knox/215 Freeway (95%)
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00003878
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 21
** 475898.291, 3746349.880, 465.80, 4.00, 3.95
** 475897.244, 3746384.949, 465.78, 4.00, 3.95
** 475883.864, 3746430.490, 466.01, 4.00, 3.95
** 475857.363, 3746478.604, 466.35, 4.00, 3.95
** 475836.008, 3746502.018, 465.98, 4.00, 3.95
** 475773.541, 3746560.505, 467.08, 4.00, 3.95
** 475757.265, 3746583.418, 467.43, 4.00, 3.95
** 475747.784, 3746598.430, 467.74, 4.00, 3.95
** 475740.831, 3746612.810, 468.00, 4.00, 3.95
** 475735.458, 3746623.713, 468.27, 4.00, 3.95
** 475729.769, 3746641.412, 468.28, 4.00, 3.95
** 475724.397, 3746661.796, 468.61, 4.00, 3.95
** 475722.184, 3746677.756, 467.83, 4.00, 3.95
** 475721.394, 3746686.922, 467.87, 4.00, 3.95
** 475720.762, 3746705.884, 467.13, 4.00, 3.95
** 475721.078, 3746723.424, 467.23, 4.00, 3.95
** 475720.301, 3746747.676, 466.09, 4.00, 3.95
** 475758.266, 3746749.305, 466.09, 4.00, 3.95
** 475772.434, 3746749.008, 465.81, 4.00, 3.95
** 475792.326, 3746748.350, 465.42, 4.00, 3.95
** 476110.427, 3746752.643, 460.13, 4.00, 3.95
** -----
LOCATION L0005803    VOLUME 475898.164 3746354.128 465.73
LOCATION L0005804    VOLUME 475897.910 3746362.624 465.74
LOCATION L0005805    VOLUME 475897.657 3746371.120 465.74
LOCATION L0005806    VOLUME 475897.403 3746379.616 465.75
LOCATION L0005807    VOLUME 475896.351 3746387.986 465.79
LOCATION L0005808    VOLUME 475893.956 3746396.141 465.87
LOCATION L0005809    VOLUME 475891.560 3746404.296 465.95
LOCATION L0005810    VOLUME 475889.164 3746412.452 466.00
LOCATION L0005811    VOLUME 475886.768 3746420.607 466.00
LOCATION L0005812    VOLUME 475884.372 3746428.762 466.00
LOCATION L0005813    VOLUME 475880.632 3746436.358 465.85
LOCATION L0005814    VOLUME 475876.531 3746443.803 465.75
LOCATION L0005815    VOLUME 475872.430 3746451.249 465.71
LOCATION L0005816    VOLUME 475868.329 3746458.694 465.73
LOCATION L0005817    VOLUME 475864.229 3746466.139 465.68
LOCATION L0005818    VOLUME 475860.128 3746473.585 465.54
LOCATION L0005819    VOLUME 475855.497 3746480.650 465.46
LOCATION L0005820    VOLUME 475849.769 3746486.930 465.44
LOCATION L0005821    VOLUME 475844.041 3746493.210 465.53
LOCATION L0005822    VOLUME 475838.313 3746499.491 465.72
LOCATION L0005823    VOLUME 475832.300 3746505.489 465.92
LOCATION L0005824    VOLUME 475826.095 3746511.299 466.04
LOCATION L0005825    VOLUME 475819.890 3746517.109 466.03
LOCATION L0005826    VOLUME 475813.685 3746522.918 466.05
LOCATION L0005827    VOLUME 475807.480 3746528.728 466.22
LOCATION L0005828    VOLUME 475801.276 3746534.537 466.46
LOCATION L0005829    VOLUME 475795.071 3746540.347 466.73
LOCATION L0005830    VOLUME 475788.866 3746546.156 466.92
LOCATION L0005831    VOLUME 475782.661 3746551.966 467.00
LOCATION L0005832    VOLUME 475776.457 3746557.775 467.00
LOCATION L0005833    VOLUME 475770.932 3746564.179 467.00
LOCATION L0005834    VOLUME 475766.009 3746571.108 467.13
LOCATION L0005835    VOLUME 475761.087 3746578.038 467.30

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LOCATION	VOLUME				
LOCATION L0005836	VOLUME	475756.250	3746585.025	467.46	
LOCATION L0005837	VOLUME	475751.711	3746592.212	467.61	
LOCATION L0005838	VOLUME	475747.285	3746599.461	467.76	
LOCATION L0005839	VOLUME	475743.585	3746607.113	467.88	
LOCATION L0005840	VOLUME	475739.870	3746614.759	468.00	
LOCATION L0005841	VOLUME	475736.113	3746622.383	468.13	
LOCATION L0005842	VOLUME	475733.311	3746630.394	468.22	
LOCATION L0005843	VOLUME	475730.710	3746638.486	468.31	
LOCATION L0005844	VOLUME	475728.386	3746646.660	468.17	
LOCATION L0005845	VOLUME	475726.220	3746654.879	467.96	
LOCATION L0005846	VOLUME	475724.212	3746663.130	467.76	
LOCATION L0005847	VOLUME	475723.045	3746671.549	467.54	
LOCATION L0005848	VOLUME	475721.992	3746679.982	467.40	
LOCATION L0005849	VOLUME	475721.343	3746688.455	467.24	
LOCATION L0005850	VOLUME	475721.060	3746696.951	467.06	
LOCATION L0005851	VOLUME	475720.777	3746705.446	466.82	
LOCATION L0005852	VOLUME	475720.907	3746713.944	466.54	
LOCATION L0005853	VOLUME	475721.061	3746722.443	466.25	
LOCATION L0005854	VOLUME	475720.837	3746730.939	466.00	
LOCATION L0005855	VOLUME	475720.565	3746739.434	466.00	
LOCATION L0005856	VOLUME	475720.554	3746747.687	466.00	
LOCATION L0005857	VOLUME	475729.046	3746748.052	466.00	
LOCATION L0005858	VOLUME	475737.539	3746748.416	466.00	
LOCATION L0005859	VOLUME	475746.031	3746748.780	466.00	
LOCATION L0005860	VOLUME	475754.523	3746749.144	466.00	
LOCATION L0005861	VOLUME	475763.019	3746749.205	466.00	
LOCATION L0005862	VOLUME	475771.517	3746749.027	465.92	
LOCATION L0005863	VOLUME	475780.012	3746748.757	465.46	
LOCATION L0005864	VOLUME	475788.508	3746748.476	465.00	
LOCATION L0005865	VOLUME	475797.005	3746748.413	464.55	
LOCATION L0005866	VOLUME	475805.504	3746748.528	464.20	
LOCATION L0005867	VOLUME	475814.004	3746748.642	463.91	
LOCATION L0005868	VOLUME	475822.503	3746748.757	463.62	
LOCATION L0005869	VOLUME	475831.002	3746748.872	463.37	
LOCATION L0005870	VOLUME	475839.501	3746748.987	463.37	
LOCATION L0005871	VOLUME	475848.000	3746749.101	463.36	
LOCATION L0005872	VOLUME	475856.500	3746749.216	463.36	
LOCATION L0005873	VOLUME	475864.999	3746749.331	463.30	
LOCATION L0005874	VOLUME	475873.498	3746749.445	463.19	
LOCATION L0005875	VOLUME	475881.997	3746749.560	463.09	
LOCATION L0005876	VOLUME	475890.497	3746749.675	463.00	
LOCATION L0005877	VOLUME	475898.996	3746749.790	463.00	
LOCATION L0005878	VOLUME	475907.495	3746749.904	463.00	
LOCATION L0005879	VOLUME	475915.994	3746750.019	463.00	
LOCATION L0005880	VOLUME	475924.494	3746750.134	462.90	
LOCATION L0005881	VOLUME	475932.993	3746750.248	462.71	
LOCATION L0005882	VOLUME	475941.492	3746750.363	462.51	
LOCATION L0005883	VOLUME	475949.991	3746750.478	462.32	
LOCATION L0005884	VOLUME	475958.490	3746750.593	462.22	
LOCATION L0005885	VOLUME	475966.990	3746750.707	462.13	
LOCATION L0005886	VOLUME	475975.489	3746750.822	462.05	
LOCATION L0005887	VOLUME	475983.988	3746750.937	462.00	
LOCATION L0005888	VOLUME	475992.487	3746751.052	462.00	
LOCATION L0005889	VOLUME	476000.987	3746751.166	462.00	
LOCATION L0005890	VOLUME	476009.486	3746751.281	462.00	
LOCATION L0005891	VOLUME	476017.985	3746751.396	461.73	
LOCATION L0005892	VOLUME	476026.484	3746751.510	461.45	
LOCATION L0005893	VOLUME	476034.983	3746751.625	461.17	
LOCATION L0005894	VOLUME	476043.483	3746751.740	461.00	
LOCATION L0005895	VOLUME	476051.982	3746751.855	461.00	
LOCATION L0005896	VOLUME	476060.481	3746751.969	461.00	
LOCATION L0005897	VOLUME	476068.980	3746752.084	461.00	
LOCATION L0005898	VOLUME	476077.480	3746752.199	460.75	
LOCATION L0005899	VOLUME	476085.979	3746752.313	460.47	
LOCATION L0005900	VOLUME	476094.478	3746752.428	460.18	
LOCATION L0005901	VOLUME	476102.977	3746752.543	460.00	

** End of LINE VOLUME Source ID = SLINE15

					KnoxBPres
LOCATION	PAREA1	AREAPOLY	474745.374	3746237.975	502.460
**	DESCRSRC	Yard Tractors Building E (West Side)			
LOCATION	PAREA2	AREAPOLY	475006.383	3746235.194	490.450
**	DESCRSRC	Yard Tractors Building E (East Side)			
LOCATION	AREA1	AREA	475113.660	3745988.060	487.360
**	DESCRSRC	Yard Tractors Building E (West Side)			
LOCATION	AREA2	AREA	475380.860	3745968.940	478.610
**	DESCRSRC	Yard Tractors Building D (East Side)			
** Source Parameters **					
** LINE VOLUME Source ID = SLINE2					
SRCPARAM	L0005585	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005586	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005587	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005588	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005589	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005590	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005591	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005592	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005593	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005594	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005595	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005596	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005597	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005598	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005599	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005600	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005601	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005602	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005603	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005604	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005605	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005606	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005607	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005608	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005609	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005610	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005611	0.0000006986	4.00	3.95	1.86
SRCPARAM	L0005612	0.0000006986	4.00	3.95	1.86
** -----					
** LINE VOLUME Source ID = SLINE3					
SRCPARAM	L0004872	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004873	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004874	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004875	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004876	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004877	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004878	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004879	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004880	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004881	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004882	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004883	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004884	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004885	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004886	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004887	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004888	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004889	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004890	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004891	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004892	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004893	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004894	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004895	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004896	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004897	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004898	0.000001195	4.00	3.95	1.86

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SRCPARAM	L0004899	0.000001195	4.00	3.95	1.86
** -----					
** LINE VOLUME Source ID = SLINE4					
SRCPARAM	L0004900	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004901	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004902	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004903	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004904	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004905	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004906	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004907	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004908	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004909	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004910	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004911	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004912	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004913	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004914	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004915	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004916	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004917	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004918	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004919	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004920	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004921	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004922	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004923	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004924	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004925	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004926	0.000001195	4.00	3.95	1.86
SRCPARAM	L0004927	0.000001195	4.00	3.95	1.86
** -----					
** LINE VOLUME Source ID = SLINE6					
SRCPARAM	L0005613	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005614	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005615	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005616	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005617	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005618	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005619	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005620	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005621	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005622	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005623	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005624	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005625	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005626	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005627	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005628	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005629	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005630	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005631	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005632	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005633	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005634	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005635	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005636	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005637	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005638	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005639	0.0000001468	4.00	3.95	1.86
SRCPARAM	L0005640	0.0000001468	4.00	3.95	1.86
** -----					
** LINE VOLUME Source ID = SLINE7					
SRCPARAM	L0004984	0.0000002511	4.00	3.95	1.86
SRCPARAM	L0004985	0.0000002511	4.00	3.95	1.86
SRCPARAM	L0004986	0.0000002511	4.00	3.95	1.86
SRCPARAM	L0004987	0.0000002511	4.00	3.95	1.86

						KnoxBPres	
SRCPARAM	L0005893	0.0000003917	4.00	3.95	1.86		
SRCPARAM	L0005894	0.0000003917	4.00	3.95	1.86		
SRCPARAM	L0005895	0.0000003917	4.00	3.95	1.86		
SRCPARAM	L0005896	0.0000003917	4.00	3.95	1.86		
SRCPARAM	L0005897	0.0000003917	4.00	3.95	1.86		
SRCPARAM	L0005898	0.0000003917	4.00	3.95	1.86		
SRCPARAM	L0005899	0.0000003917	4.00	3.95	1.86		
SRCPARAM	L0005900	0.0000003917	4.00	3.95	1.86		
SRCPARAM	L0005901	0.0000003917	4.00	3.95	1.86		

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** -----
SRCPARAM PAREA1      3.528E-09      3.900      9      1.800
AREAVERT PAREA1     474745.374 3746237.975 474837.822 3746236.237
AREAVERT PAREA1     474833.651 3745984.959 474785.342 3745986.349
AREAVERT PAREA1     474780.129 3745991.910 474780.824 3746073.931
AREAVERT PAREA1     474755.105 3746094.437 474744.679 3746095.479
AREAVERT PAREA1     474745.374 3746239.365
SRCPARAM PAREA2      5.0784E-09      3.900      9      1.800
AREAVERT PAREA2     475006.383 3746235.194 475043.571 3746234.499
AREAVERT PAREA2     475043.571 3746216.079 475062.686 3746215.036
AREAVERT PAREA2     475060.254 3745995.385 475044.961 3745996.080
AREAVERT PAREA2     475043.571 3745988.434 475007.426 3745989.824
AREAVERT PAREA2     475004.298 3745990.867
SRCPARAM AREA1       4.48E-09      3.900     59.076     255.832     0.337     1.800
SRCPARAM AREA2      3.3429E-09      3.900     75.775     267.300     0.263     1.800
URBANSRC ALL
SRCGROUP ALL

```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED KnoxBPres.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "..\SRA24_Met Data\peri8.sfc"

PROFFILE "..\SRA24_Met Data\peri8.PFL"

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL KNOXBPRES.AD\AN00GALL.PLT 31

SUMMFILE KnoxBPres.sum

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W531 1457 MEOpen: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPres\KnoxBPres.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 586 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 586 Source(s); 1 Source Group(s); and 44 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 582 VOLUME source(s)
and: 4 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.9 MB of RAM.

**Detailed Error/Message File: KnoxBPre.err

**File for Summary of Results: KnoxBPre.sum

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

Table with columns: 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), URBAN SOURCE, EMISSION RATE SCALAR VARY BY. Contains 20 rows of source data.

KnoxBPre									
L0005610	0	0.69860E-06	475018.0	3746015.7	490.9	4.00	3.95	1.86	YES
L0005611	0	0.69860E-06	475017.8	3746007.2	491.1	4.00	3.95	1.86	YES
L0005612	0	0.69860E-06	475017.6	3745998.7	491.1	4.00	3.95	1.86	YES
L0004872	0	0.11950E-05	475163.7	3746225.8	485.0	4.00	3.95	1.86	YES
L0004873	0	0.11950E-05	475163.5	3746217.3	485.1	4.00	3.95	1.86	YES
L0004874	0	0.11950E-05	475163.4	3746208.8	484.9	4.00	3.95	1.86	YES
L0004875	0	0.11950E-05	475163.2	3746200.3	484.7	4.00	3.95	1.86	YES
L0004876	0	0.11950E-05	475163.1	3746191.8	484.5	4.00	3.95	1.86	YES
L0004877	0	0.11950E-05	475162.9	3746183.3	484.6	4.00	3.95	1.86	YES
L0004878	0	0.11950E-05	475162.7	3746174.8	484.9	4.00	3.95	1.86	YES
L0004879	0	0.11950E-05	475162.6	3746166.3	485.1	4.00	3.95	1.86	YES
L0004880	0	0.11950E-05	475162.4	3746157.8	485.2	4.00	3.95	1.86	YES
L0004881	0	0.11950E-05	475162.3	3746149.3	485.3	4.00	3.95	1.86	YES
L0004882	0	0.11950E-05	475162.1	3746140.8	485.3	4.00	3.95	1.86	YES
L0004883	0	0.11950E-05	475162.0	3746132.3	485.3	4.00	3.95	1.86	YES

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 **MODELOPTs: RegDFault CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004884	0	0.11950E-05	475161.8	3746123.8	485.5	4.00	3.95	1.86	YES	
L0004885	0	0.11950E-05	475161.6	3746115.3	485.8	4.00	3.95	1.86	YES	
L0004886	0	0.11950E-05	475161.5	3746106.8	486.1	4.00	3.95	1.86	YES	
L0004887	0	0.11950E-05	475161.3	3746098.3	486.3	4.00	3.95	1.86	YES	
L0004888	0	0.11950E-05	475161.2	3746089.8	486.3	4.00	3.95	1.86	YES	
L0004889	0	0.11950E-05	475161.0	3746081.3	486.3	4.00	3.95	1.86	YES	
L0004890	0	0.11950E-05	475160.8	3746072.8	486.3	4.00	3.95	1.86	YES	
L0004891	0	0.11950E-05	475160.7	3746064.3	486.5	4.00	3.95	1.86	YES	
L0004892	0	0.11950E-05	475160.5	3746055.8	486.8	4.00	3.95	1.86	YES	
L0004893	0	0.11950E-05	475160.4	3746047.3	487.1	4.00	3.95	1.86	YES	
L0004894	0	0.11950E-05	475160.2	3746038.8	487.4	4.00	3.95	1.86	YES	
L0004895	0	0.11950E-05	475160.0	3746030.3	487.6	4.00	3.95	1.86	YES	
L0004896	0	0.11950E-05	475159.9	3746021.8	487.7	4.00	3.95	1.86	YES	
L0004897	0	0.11950E-05	475159.7	3746013.3	487.9	4.00	3.95	1.86	YES	
L0004898	0	0.11950E-05	475159.6	3746004.8	488.0	4.00	3.95	1.86	YES	
L0004899	0	0.11950E-05	475159.4	3745996.3	488.0	4.00	3.95	1.86	YES	
L0004900	0	0.11950E-05	475392.2	3746219.5	477.6	4.00	3.95	1.86	YES	
L0004901	0	0.11950E-05	475392.0	3746211.0	477.6	4.00	3.95	1.86	YES	
L0004902	0	0.11950E-05	475391.8	3746202.5	477.6	4.00	3.95	1.86	YES	
L0004903	0	0.11950E-05	475391.7	3746194.0	477.6	4.00	3.95	1.86	YES	
L0004904	0	0.11950E-05	475391.5	3746185.5	477.6	4.00	3.95	1.86	YES	
L0004905	0	0.11950E-05	475391.4	3746177.0	477.5	4.00	3.95	1.86	YES	
L0004906	0	0.11950E-05	475391.2	3746168.5	477.4	4.00	3.95	1.86	YES	
L0004907	0	0.11950E-05	475391.0	3746160.1	477.3	4.00	3.95	1.86	YES	
L0004908	0	0.11950E-05	475390.9	3746151.6	477.3	4.00	3.95	1.86	YES	
L0004909	0	0.11950E-05	475390.7	3746143.1	477.3	4.00	3.95	1.86	YES	
L0004910	0	0.11950E-05	475390.6	3746134.6	477.3	4.00	3.95	1.86	YES	
L0004911	0	0.11950E-05	475390.4	3746126.1	477.4	4.00	3.95	1.86	YES	
L0004912	0	0.11950E-05	475390.2	3746117.6	477.5	4.00	3.95	1.86	YES	
L0004913	0	0.11950E-05	475390.1	3746109.1	477.6	4.00	3.95	1.86	YES	
L0004914	0	0.11950E-05	475389.9	3746100.6	477.7	4.00	3.95	1.86	YES	
L0004915	0	0.11950E-05	475389.8	3746092.1	477.7	4.00	3.95	1.86	YES	
L0004916	0	0.11950E-05	475389.6	3746083.6	477.7	4.00	3.95	1.86	YES	
L0004917	0	0.11950E-05	475389.5	3746075.1	477.7	4.00	3.95	1.86	YES	
L0004918	0	0.11950E-05	475389.3	3746066.6	477.7	4.00	3.95	1.86	YES	

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KnoxBPRes
L0004919      0  0.11950E-05  475389.1  3746058.1  477.7    4.00    3.95    1.86    YES
L0004920      0  0.11950E-05  475389.0  3746049.6  477.7    4.00    3.95    1.86    YES
L0004921      0  0.11950E-05  475388.8  3746041.1  477.7    4.00    3.95    1.86    YES
L0004922      0  0.11950E-05  475388.7  3746032.6  478.0    4.00    3.95    1.86    YES
L0004923      0  0.11950E-05  475388.5  3746024.1  478.2    4.00    3.95    1.86    YES
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**MODELOPTs:  RegDFAULT CONC      ELEV      URBAN

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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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004924	0	0.11950E-05	475388.3	3746015.6	478.5	4.00	3.95	1.86	YES	
L0004925	0	0.11950E-05	475388.2	3746007.1	478.7	4.00	3.95	1.86	YES	
L0004926	0	0.11950E-05	475388.0	3745998.6	478.7	4.00	3.95	1.86	YES	
L0004927	0	0.11950E-05	475387.9	3745990.1	478.7	4.00	3.95	1.86	YES	
L0005613	0	0.14680E-06	475021.9	3746228.2	489.9	4.00	3.95	1.86	YES	
L0005614	0	0.14680E-06	475021.8	3746219.7	489.9	4.00	3.95	1.86	YES	
L0005615	0	0.14680E-06	475021.6	3746211.2	489.6	4.00	3.95	1.86	YES	
L0005616	0	0.14680E-06	475021.5	3746202.7	489.4	4.00	3.95	1.86	YES	
L0005617	0	0.14680E-06	475021.3	3746194.2	489.1	4.00	3.95	1.86	YES	
L0005618	0	0.14680E-06	475021.1	3746185.7	489.1	4.00	3.95	1.86	YES	
L0005619	0	0.14680E-06	475021.0	3746177.2	489.4	4.00	3.95	1.86	YES	
L0005620	0	0.14680E-06	475020.8	3746168.7	489.7	4.00	3.95	1.86	YES	
L0005621	0	0.14680E-06	475020.7	3746160.2	490.0	4.00	3.95	1.86	YES	
L0005622	0	0.14680E-06	475020.5	3746151.7	489.7	4.00	3.95	1.86	YES	
L0005623	0	0.14680E-06	475020.3	3746143.2	489.4	4.00	3.95	1.86	YES	
L0005624	0	0.14680E-06	475020.2	3746134.7	489.2	4.00	3.95	1.86	YES	
L0005625	0	0.14680E-06	475020.0	3746126.2	489.1	4.00	3.95	1.86	YES	
L0005626	0	0.14680E-06	475019.9	3746117.7	489.4	4.00	3.95	1.86	YES	
L0005627	0	0.14680E-06	475019.7	3746109.2	489.7	4.00	3.95	1.86	YES	
L0005628	0	0.14680E-06	475019.6	3746100.7	490.0	4.00	3.95	1.86	YES	
L0005629	0	0.14680E-06	475019.4	3746092.2	490.0	4.00	3.95	1.86	YES	
L0005630	0	0.14680E-06	475019.2	3746083.7	490.0	4.00	3.95	1.86	YES	
L0005631	0	0.14680E-06	475019.1	3746075.2	490.0	4.00	3.95	1.86	YES	
L0005632	0	0.14680E-06	475018.9	3746066.7	490.0	4.00	3.95	1.86	YES	
L0005633	0	0.14680E-06	475018.8	3746058.2	490.1	4.00	3.95	1.86	YES	
L0005634	0	0.14680E-06	475018.6	3746049.7	490.1	4.00	3.95	1.86	YES	
L0005635	0	0.14680E-06	475018.4	3746041.2	490.1	4.00	3.95	1.86	YES	
L0005636	0	0.14680E-06	475018.3	3746032.7	490.3	4.00	3.95	1.86	YES	
L0005637	0	0.14680E-06	475018.1	3746024.2	490.6	4.00	3.95	1.86	YES	
L0005638	0	0.14680E-06	475018.0	3746015.7	490.9	4.00	3.95	1.86	YES	
L0005639	0	0.14680E-06	475017.8	3746007.2	491.1	4.00	3.95	1.86	YES	
L0005640	0	0.14680E-06	475017.6	3745998.7	491.1	4.00	3.95	1.86	YES	
L0004984	0	0.25110E-06	475163.7	3746225.8	485.0	4.00	3.95	1.86	YES	
L0004985	0	0.25110E-06	475163.5	3746217.3	485.1	4.00	3.95	1.86	YES	
L0004986	0	0.25110E-06	475163.4	3746208.8	484.9	4.00	3.95	1.86	YES	
L0004987	0	0.25110E-06	475163.2	3746200.3	484.7	4.00	3.95	1.86	YES	
L0004988	0	0.25110E-06	475163.1	3746191.8	484.5	4.00	3.95	1.86	YES	
L0004989	0	0.25110E-06	475162.9	3746183.3	484.6	4.00	3.95	1.86	YES	
L0004990	0	0.25110E-06	475162.7	3746174.8	484.9	4.00	3.95	1.86	YES	
L0004991	0	0.25110E-06	475162.6	3746166.3	485.1	4.00	3.95	1.86	YES	

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♀ *** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPRes\KnoxBPRes.isc ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004992	0	0.25110E-06	475162.4	3746157.8	485.2	4.00	3.95	1.86	YES	
L0004993	0	0.25110E-06	475162.3	3746149.3	485.3	4.00	3.95	1.86	YES	
L0004994	0	0.25110E-06	475162.1	3746140.8	485.3	4.00	3.95	1.86	YES	
L0004995	0	0.25110E-06	475162.0	3746132.3	485.3	4.00	3.95	1.86	YES	
L0004996	0	0.25110E-06	475161.8	3746123.8	485.5	4.00	3.95	1.86	YES	
L0004997	0	0.25110E-06	475161.6	3746115.3	485.8	4.00	3.95	1.86	YES	
L0004998	0	0.25110E-06	475161.5	3746106.8	486.1	4.00	3.95	1.86	YES	
L0004999	0	0.25110E-06	475161.3	3746098.3	486.3	4.00	3.95	1.86	YES	
L0005000	0	0.25110E-06	475161.2	3746089.8	486.3	4.00	3.95	1.86	YES	
L0005001	0	0.25110E-06	475161.0	3746081.3	486.3	4.00	3.95	1.86	YES	
L0005002	0	0.25110E-06	475160.8	3746072.8	486.3	4.00	3.95	1.86	YES	
L0005003	0	0.25110E-06	475160.7	3746064.3	486.5	4.00	3.95	1.86	YES	
L0005004	0	0.25110E-06	475160.5	3746055.8	486.8	4.00	3.95	1.86	YES	
L0005005	0	0.25110E-06	475160.4	3746047.3	487.1	4.00	3.95	1.86	YES	
L0005006	0	0.25110E-06	475160.2	3746038.8	487.4	4.00	3.95	1.86	YES	
L0005007	0	0.25110E-06	475160.0	3746030.3	487.6	4.00	3.95	1.86	YES	
L0005008	0	0.25110E-06	475159.9	3746021.8	487.7	4.00	3.95	1.86	YES	
L0005009	0	0.25110E-06	475159.7	3746013.3	487.9	4.00	3.95	1.86	YES	
L0005010	0	0.25110E-06	475159.6	3746004.8	488.0	4.00	3.95	1.86	YES	
L0005011	0	0.25110E-06	475159.4	3745996.3	488.0	4.00	3.95	1.86	YES	
L0005012	0	0.25110E-06	475392.2	3746219.5	477.6	4.00	3.95	1.86	YES	
L0005013	0	0.25110E-06	475392.0	3746211.0	477.6	4.00	3.95	1.86	YES	
L0005014	0	0.25110E-06	475391.8	3746202.5	477.6	4.00	3.95	1.86	YES	
L0005015	0	0.25110E-06	475391.7	3746194.0	477.6	4.00	3.95	1.86	YES	
L0005016	0	0.25110E-06	475391.5	3746185.5	477.6	4.00	3.95	1.86	YES	
L0005017	0	0.25110E-06	475391.4	3746177.0	477.5	4.00	3.95	1.86	YES	
L0005018	0	0.25110E-06	475391.2	3746168.5	477.4	4.00	3.95	1.86	YES	
L0005019	0	0.25110E-06	475391.0	3746160.1	477.3	4.00	3.95	1.86	YES	
L0005020	0	0.25110E-06	475390.9	3746151.6	477.3	4.00	3.95	1.86	YES	
L0005021	0	0.25110E-06	475390.7	3746143.1	477.3	4.00	3.95	1.86	YES	
L0005022	0	0.25110E-06	475390.6	3746134.6	477.3	4.00	3.95	1.86	YES	
L0005023	0	0.25110E-06	475390.4	3746126.1	477.4	4.00	3.95	1.86	YES	
L0005024	0	0.25110E-06	475390.2	3746117.6	477.5	4.00	3.95	1.86	YES	
L0005025	0	0.25110E-06	475390.1	3746109.1	477.6	4.00	3.95	1.86	YES	
L0005026	0	0.25110E-06	475389.9	3746100.6	477.7	4.00	3.95	1.86	YES	
L0005027	0	0.25110E-06	475389.8	3746092.1	477.7	4.00	3.95	1.86	YES	
L0005028	0	0.25110E-06	475389.6	3746083.6	477.7	4.00	3.95	1.86	YES	
L0005029	0	0.25110E-06	475389.5	3746075.1	477.7	4.00	3.95	1.86	YES	
L0005030	0	0.25110E-06	475389.3	3746066.6	477.7	4.00	3.95	1.86	YES	
L0005031	0	0.25110E-06	475389.1	3746058.1	477.7	4.00	3.95	1.86	YES	

♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD View\KnoxBP\KnoxBPRes\KnoxBPRes.isc ***
02/08/17
*** AERMET - VERSION 14134 *** ***
10:30:05

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
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KnoxBPre

L0005032	0	0.25110E-06	475389.0	3746049.6	477.7	4.00	3.95	1.86	YES
L0005033	0	0.25110E-06	475388.8	3746041.1	477.7	4.00	3.95	1.86	YES
L0005034	0	0.25110E-06	475388.7	3746032.6	478.0	4.00	3.95	1.86	YES
L0005035	0	0.25110E-06	475388.5	3746024.1	478.2	4.00	3.95	1.86	YES
L0005036	0	0.25110E-06	475388.3	3746015.6	478.5	4.00	3.95	1.86	YES
L0005037	0	0.25110E-06	475388.2	3746007.1	478.7	4.00	3.95	1.86	YES
L0005038	0	0.25110E-06	475388.0	3745998.6	478.7	4.00	3.95	1.86	YES
L0005039	0	0.25110E-06	475387.9	3745990.1	478.7	4.00	3.95	1.86	YES
L0005641	0	0.20470E-06	475031.9	3746316.9	489.6	4.00	3.95	1.86	YES
L0005642	0	0.20470E-06	475031.9	3746325.4	489.6	4.00	3.95	1.86	YES
L0005643	0	0.20470E-06	475031.9	3746333.9	489.6	4.00	3.95	1.86	YES
L0005644	0	0.20470E-06	475033.9	3746340.4	489.5	4.00	3.95	1.86	YES
L0005645	0	0.20470E-06	475042.4	3746340.4	489.2	4.00	3.95	1.86	YES
L0005646	0	0.20470E-06	475050.9	3746340.5	489.0	4.00	3.95	1.86	YES
L0005647	0	0.20470E-06	475059.4	3746340.6	488.7	4.00	3.95	1.86	YES
L0005648	0	0.20470E-06	475067.9	3746340.6	488.4	4.00	3.95	1.86	YES
L0005649	0	0.20470E-06	475076.4	3746340.7	488.1	4.00	3.95	1.86	YES
L0005650	0	0.20470E-06	475084.9	3746340.7	487.8	4.00	3.95	1.86	YES
L0005651	0	0.20470E-06	475093.4	3746340.8	487.6	4.00	3.95	1.86	YES
L0005652	0	0.20470E-06	475101.9	3746340.9	487.3	4.00	3.95	1.86	YES
L0005653	0	0.20470E-06	475110.4	3746340.9	487.0	4.00	3.95	1.86	YES
L0005654	0	0.20470E-06	475118.9	3746341.0	486.4	4.00	3.95	1.86	YES
L0005655	0	0.20470E-06	475127.4	3746341.0	485.8	4.00	3.95	1.86	YES
L0005656	0	0.20470E-06	475135.9	3746341.1	485.3	4.00	3.95	1.86	YES
L0005657	0	0.20470E-06	475144.4	3746341.1	484.9	4.00	3.95	1.86	YES
L0005658	0	0.20470E-06	475152.9	3746341.2	484.6	4.00	3.95	1.86	YES
L0005659	0	0.20470E-06	475161.4	3746341.3	484.3	4.00	3.95	1.86	YES
L0005660	0	0.20470E-06	475169.9	3746341.3	484.0	4.00	3.95	1.86	YES
L0005661	0	0.20470E-06	475178.4	3746341.4	483.7	4.00	3.95	1.86	YES
L0005662	0	0.20470E-06	475186.9	3746341.4	483.4	4.00	3.95	1.86	YES
L0005663	0	0.20470E-06	475195.4	3746341.5	483.2	4.00	3.95	1.86	YES
L0005664	0	0.20470E-06	475203.9	3746341.6	482.9	4.00	3.95	1.86	YES
L0005665	0	0.20470E-06	475212.4	3746341.6	482.6	4.00	3.95	1.86	YES
L0005666	0	0.20470E-06	475220.9	3746341.7	482.3	4.00	3.95	1.86	YES
L0005667	0	0.20470E-06	475229.4	3746341.7	482.0	4.00	3.95	1.86	YES
L0005668	0	0.20470E-06	475237.9	3746341.8	481.7	4.00	3.95	1.86	YES
L0005669	0	0.20470E-06	475246.4	3746341.9	481.4	4.00	3.95	1.86	YES
L0005670	0	0.20470E-06	475254.9	3746341.9	481.2	4.00	3.95	1.86	YES
L0005671	0	0.20470E-06	475263.4	3746342.0	480.9	4.00	3.95	1.86	YES
L0005672	0	0.20470E-06	475271.9	3746342.0	480.6	4.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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 *** AERMET - VERSION 14134 *** ***
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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005673	0	0.20470E-06	475280.4	3746342.1	480.3	4.00	3.95	1.86	YES	
L0005674	0	0.20470E-06	475288.9	3746342.1	480.0	4.00	3.95	1.86	YES	
L0005675	0	0.20470E-06	475297.4	3746342.2	479.4	4.00	3.95	1.86	YES	
L0005676	0	0.20470E-06	475305.9	3746342.3	478.9	4.00	3.95	1.86	YES	
L0005677	0	0.20470E-06	475314.4	3746342.3	478.4	4.00	3.95	1.86	YES	
L0005678	0	0.20470E-06	475322.9	3746342.4	477.8	4.00	3.95	1.86	YES	
L0005679	0	0.20470E-06	475331.4	3746342.4	477.2	4.00	3.95	1.86	YES	
L0005680	0	0.20470E-06	475339.9	3746342.5	476.7	4.00	3.95	1.86	YES	

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L0005681	0	0.20470E-06	475348.4	3746342.6	476.1	4.00	3.95	1.86	YES
L0005682	0	0.20470E-06	475356.9	3746342.6	476.0	4.00	3.95	1.86	YES
L0005683	0	0.20470E-06	475365.4	3746342.7	475.9	4.00	3.95	1.86	YES
L0005684	0	0.20470E-06	475373.9	3746342.7	475.9	4.00	3.95	1.86	YES
L0005685	0	0.20470E-06	475382.4	3746342.8	475.9	4.00	3.95	1.86	YES
L0005686	0	0.20470E-06	475390.9	3746342.9	475.9	4.00	3.95	1.86	YES
L0005687	0	0.20470E-06	475399.4	3746342.9	475.9	4.00	3.95	1.86	YES
L0005688	0	0.20470E-06	475407.9	3746343.0	475.9	4.00	3.95	1.86	YES
L0005689	0	0.20470E-06	475416.4	3746343.0	475.7	4.00	3.95	1.86	YES
L0005690	0	0.20470E-06	475424.9	3746343.1	475.4	4.00	3.95	1.86	YES
L0005691	0	0.20470E-06	475433.4	3746343.1	475.2	4.00	3.95	1.86	YES
L0005692	0	0.20470E-06	475441.9	3746343.2	474.9	4.00	3.95	1.86	YES
L0005693	0	0.20470E-06	475450.4	3746343.3	474.7	4.00	3.95	1.86	YES
L0005694	0	0.20470E-06	475458.9	3746343.3	474.4	4.00	3.95	1.86	YES
L0005695	0	0.20470E-06	475467.4	3746343.4	474.1	4.00	3.95	1.86	YES
L0005696	0	0.20470E-06	475475.9	3746343.4	474.0	4.00	3.95	1.86	YES
L0005697	0	0.20470E-06	475484.4	3746343.5	473.9	4.00	3.95	1.86	YES
L0005698	0	0.20470E-06	475492.9	3746343.6	473.9	4.00	3.95	1.86	YES
L0005699	0	0.20470E-06	475501.4	3746343.6	473.8	4.00	3.95	1.86	YES
L0005700	0	0.20470E-06	475509.9	3746343.7	473.6	4.00	3.95	1.86	YES
L0005701	0	0.20470E-06	475518.4	3746343.7	473.3	4.00	3.95	1.86	YES
L0005702	0	0.20470E-06	475526.9	3746343.8	473.1	4.00	3.95	1.86	YES
L0005703	0	0.20470E-06	475535.4	3746343.8	472.8	4.00	3.95	1.86	YES
L0005704	0	0.20470E-06	475543.9	3746343.9	472.5	4.00	3.95	1.86	YES
L0005705	0	0.20470E-06	475552.4	3746344.0	472.2	4.00	3.95	1.86	YES
L0005706	0	0.20470E-06	475560.9	3746344.0	472.0	4.00	3.95	1.86	YES
L0005707	0	0.20470E-06	475569.4	3746344.1	472.0	4.00	3.95	1.86	YES
L0005708	0	0.20470E-06	475577.9	3746344.1	471.9	4.00	3.95	1.86	YES
L0005709	0	0.20470E-06	475586.4	3746344.2	471.9	4.00	3.95	1.86	YES
L0005710	0	0.20470E-06	475594.9	3746344.3	471.7	4.00	3.95	1.86	YES
L0005711	0	0.20470E-06	475603.4	3746344.3	471.4	4.00	3.95	1.86	YES
L0005712	0	0.20470E-06	475611.9	3746344.4	471.1	4.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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 *** AERMET - VERSION 14134 *** ***
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005713	0	0.20470E-06	475620.4	3746344.4	470.8	4.00	3.95	1.86	YES	
L0005714	0	0.20470E-06	475628.9	3746344.5	470.6	4.00	3.95	1.86	YES	
L0005715	0	0.20470E-06	475637.4	3746344.6	470.4	4.00	3.95	1.86	YES	
L0005716	0	0.20470E-06	475645.9	3746344.6	470.1	4.00	3.95	1.86	YES	
L0005717	0	0.20470E-06	475654.4	3746344.7	469.9	4.00	3.95	1.86	YES	
L0005718	0	0.20470E-06	475662.9	3746344.7	469.6	4.00	3.95	1.86	YES	
L0005719	0	0.20470E-06	475671.4	3746344.8	469.3	4.00	3.95	1.86	YES	
L0005720	0	0.20470E-06	475679.9	3746344.8	469.0	4.00	3.95	1.86	YES	
L0005721	0	0.20470E-06	475688.4	3746344.9	469.0	4.00	3.95	1.86	YES	
L0005722	0	0.20470E-06	475696.9	3746345.0	469.0	4.00	3.95	1.86	YES	
L0005723	0	0.20470E-06	475705.4	3746345.0	469.0	4.00	3.95	1.86	YES	
L0005724	0	0.20470E-06	475713.9	3746345.1	469.0	4.00	3.95	1.86	YES	
L0005725	0	0.20470E-06	475722.4	3746345.1	468.9	4.00	3.95	1.86	YES	
L0005726	0	0.20470E-06	475730.9	3746345.2	468.9	4.00	3.95	1.86	YES	
L0005727	0	0.20470E-06	475739.4	3746345.3	468.8	4.00	3.95	1.86	YES	
L0005728	0	0.20470E-06	475747.9	3746345.3	468.6	4.00	3.95	1.86	YES	
L0005729	0	0.20470E-06	475756.4	3746345.4	468.4	4.00	3.95	1.86	YES	
L0005730	0	0.20470E-06	475764.9	3746345.4	468.1	4.00	3.95	1.86	YES	

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L0005731	0	0.20470E-06	475773.4	3746345.5	467.9	4.00	3.95	1.86	YES
L0005732	0	0.20470E-06	475781.9	3746345.6	467.6	4.00	3.95	1.86	YES
L0005733	0	0.20470E-06	475790.4	3746345.6	467.3	4.00	3.95	1.86	YES
L0005734	0	0.20470E-06	475798.9	3746345.7	467.0	4.00	3.95	1.86	YES
L0005735	0	0.20470E-06	475807.4	3746345.7	467.0	4.00	3.95	1.86	YES
L0005736	0	0.20470E-06	475815.9	3746345.8	467.0	4.00	3.95	1.86	YES
L0005737	0	0.20470E-06	475824.4	3746345.8	467.0	4.00	3.95	1.86	YES
L0005738	0	0.20470E-06	475832.9	3746345.9	466.9	4.00	3.95	1.86	YES
L0005739	0	0.20470E-06	475841.4	3746346.0	466.6	4.00	3.95	1.86	YES
L0005740	0	0.20470E-06	475849.9	3746346.0	466.3	4.00	3.95	1.86	YES
L0005741	0	0.20470E-06	475858.4	3746346.1	466.1	4.00	3.95	1.86	YES
L0005742	0	0.20470E-06	475866.9	3746346.1	466.0	4.00	3.95	1.86	YES
L0005743	0	0.20470E-06	475875.4	3746346.2	466.0	4.00	3.95	1.86	YES
L0005744	0	0.20470E-06	475883.9	3746346.3	466.0	4.00	3.95	1.86	YES
L0005745	0	0.20470E-06	475892.4	3746346.3	465.9	4.00	3.95	1.86	YES
L0005746	0	0.20470E-06	475900.9	3746346.4	465.6	4.00	3.95	1.86	YES
L0005277	0	0.12970E-06	475148.1	3746311.6	485.4	4.00	3.95	1.86	YES
L0005278	0	0.12970E-06	475148.1	3746320.1	485.2	4.00	3.95	1.86	YES
L0005279	0	0.12970E-06	475148.1	3746328.6	485.0	4.00	3.95	1.86	YES
L0005280	0	0.12970E-06	475148.1	3746337.1	484.8	4.00	3.95	1.86	YES
L0005281	0	0.12970E-06	475151.7	3746342.1	484.6	4.00	3.95	1.86	YES
L0005282	0	0.12970E-06	475160.2	3746342.1	484.3	4.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
 02/08/17
 *** AERMET - VERSION 14134 *** ***
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005283	0	0.12970E-06	475168.7	3746342.2	484.0	4.00	3.95	1.86	YES	
L0005284	0	0.12970E-06	475177.2	3746342.3	483.8	4.00	3.95	1.86	YES	
L0005285	0	0.12970E-06	475185.7	3746342.4	483.5	4.00	3.95	1.86	YES	
L0005286	0	0.12970E-06	475194.2	3746342.5	483.2	4.00	3.95	1.86	YES	
L0005287	0	0.12970E-06	475202.7	3746342.6	482.9	4.00	3.95	1.86	YES	
L0005288	0	0.12970E-06	475211.2	3746342.6	482.6	4.00	3.95	1.86	YES	
L0005289	0	0.12970E-06	475219.7	3746342.7	482.3	4.00	3.95	1.86	YES	
L0005290	0	0.12970E-06	475228.2	3746342.8	482.1	4.00	3.95	1.86	YES	
L0005291	0	0.12970E-06	475236.7	3746342.9	481.8	4.00	3.95	1.86	YES	
L0005292	0	0.12970E-06	475245.2	3746343.0	481.5	4.00	3.95	1.86	YES	
L0005293	0	0.12970E-06	475253.7	3746343.1	481.2	4.00	3.95	1.86	YES	
L0005294	0	0.12970E-06	475262.2	3746343.2	480.9	4.00	3.95	1.86	YES	
L0005295	0	0.12970E-06	475270.7	3746343.2	480.6	4.00	3.95	1.86	YES	
L0005296	0	0.12970E-06	475279.2	3746343.3	480.3	4.00	3.95	1.86	YES	
L0005297	0	0.12970E-06	475287.7	3746343.4	480.0	4.00	3.95	1.86	YES	
L0005298	0	0.12970E-06	475296.2	3746343.5	479.5	4.00	3.95	1.86	YES	
L0005299	0	0.12970E-06	475304.7	3746343.6	479.0	4.00	3.95	1.86	YES	
L0005300	0	0.12970E-06	475313.2	3746343.7	478.4	4.00	3.95	1.86	YES	
L0005301	0	0.12970E-06	475321.7	3746343.8	477.9	4.00	3.95	1.86	YES	
L0005302	0	0.12970E-06	475330.2	3746343.8	477.3	4.00	3.95	1.86	YES	
L0005303	0	0.12970E-06	475338.7	3746343.9	476.8	4.00	3.95	1.86	YES	
L0005304	0	0.12970E-06	475347.2	3746344.0	476.2	4.00	3.95	1.86	YES	
L0005305	0	0.12970E-06	475355.7	3746344.1	476.0	4.00	3.95	1.86	YES	
L0005306	0	0.12970E-06	475364.2	3746344.2	475.9	4.00	3.95	1.86	YES	
L0005307	0	0.12970E-06	475372.7	3746344.3	475.9	4.00	3.95	1.86	YES	
L0005308	0	0.12970E-06	475381.2	3746344.3	475.9	4.00	3.95	1.86	YES	
L0005309	0	0.12970E-06	475389.7	3746344.4	475.9	4.00	3.95	1.86	YES	
L0005310	0	0.12970E-06	475398.2	3746344.5	475.9	4.00	3.95	1.86	YES	

KnoxBPre									
L0005311	0	0.12970E-06	475406.7	3746344.6	475.9	4.00	3.95	1.86	YES
L0005312	0	0.12970E-06	475415.2	3746344.7	475.7	4.00	3.95	1.86	YES
L0005313	0	0.12970E-06	475423.7	3746344.8	475.5	4.00	3.95	1.86	YES
L0005314	0	0.12970E-06	475432.2	3746344.9	475.2	4.00	3.95	1.86	YES
L0005315	0	0.12970E-06	475440.7	3746344.9	475.0	4.00	3.95	1.86	YES
L0005316	0	0.12970E-06	475449.2	3746345.0	474.7	4.00	3.95	1.86	YES
L0005317	0	0.12970E-06	475457.7	3746345.1	474.4	4.00	3.95	1.86	YES
L0005318	0	0.12970E-06	475466.2	3746345.2	474.1	4.00	3.95	1.86	YES
L0005319	0	0.12970E-06	475474.7	3746345.3	474.0	4.00	3.95	1.86	YES
L0005320	0	0.12970E-06	475483.2	3746345.4	473.9	4.00	3.95	1.86	YES
L0005321	0	0.12970E-06	475491.7	3746345.4	473.9	4.00	3.95	1.86	YES
L0005322	0	0.12970E-06	475500.2	3746345.5	473.8	4.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005323	0	0.12970E-06	475508.7	3746345.6	473.6	4.00	3.95	1.86	YES	
L0005324	0	0.12970E-06	475517.2	3746345.7	473.4	4.00	3.95	1.86	YES	
L0005325	0	0.12970E-06	475525.7	3746345.8	473.1	4.00	3.95	1.86	YES	
L0005326	0	0.12970E-06	475534.2	3746345.9	472.9	4.00	3.95	1.86	YES	
L0005327	0	0.12970E-06	475542.7	3746346.0	472.6	4.00	3.95	1.86	YES	
L0005328	0	0.12970E-06	475551.2	3746346.0	472.3	4.00	3.95	1.86	YES	
L0005329	0	0.12970E-06	475559.7	3746346.1	472.0	4.00	3.95	1.86	YES	
L0005330	0	0.12970E-06	475568.1	3746346.2	471.9	4.00	3.95	1.86	YES	
L0005331	0	0.12970E-06	475576.6	3746346.3	471.9	4.00	3.95	1.86	YES	
L0005332	0	0.12970E-06	475585.1	3746346.4	471.8	4.00	3.95	1.86	YES	
L0005333	0	0.12970E-06	475593.6	3746346.5	471.7	4.00	3.95	1.86	YES	
L0005334	0	0.12970E-06	475602.1	3746346.5	471.4	4.00	3.95	1.86	YES	
L0005335	0	0.12970E-06	475610.6	3746346.6	471.1	4.00	3.95	1.86	YES	
L0005336	0	0.12970E-06	475619.1	3746346.7	470.8	4.00	3.95	1.86	YES	
L0005337	0	0.12970E-06	475627.6	3746346.8	470.6	4.00	3.95	1.86	YES	
L0005338	0	0.12970E-06	475636.1	3746346.9	470.4	4.00	3.95	1.86	YES	
L0005339	0	0.12970E-06	475644.6	3746347.0	470.1	4.00	3.95	1.86	YES	
L0005340	0	0.12970E-06	475653.1	3746347.1	469.9	4.00	3.95	1.86	YES	
L0005341	0	0.12970E-06	475661.6	3746347.1	469.6	4.00	3.95	1.86	YES	
L0005342	0	0.12970E-06	475670.1	3746347.2	469.3	4.00	3.95	1.86	YES	
L0005343	0	0.12970E-06	475678.6	3746347.3	469.1	4.00	3.95	1.86	YES	
L0005344	0	0.12970E-06	475687.1	3746347.4	469.0	4.00	3.95	1.86	YES	
L0005345	0	0.12970E-06	475695.6	3746347.5	469.0	4.00	3.95	1.86	YES	
L0005346	0	0.12970E-06	475704.1	3746347.6	469.0	4.00	3.95	1.86	YES	
L0005347	0	0.12970E-06	475712.6	3746347.7	469.0	4.00	3.95	1.86	YES	
L0005348	0	0.12970E-06	475721.1	3746347.7	468.9	4.00	3.95	1.86	YES	
L0005349	0	0.12970E-06	475729.6	3746347.8	468.8	4.00	3.95	1.86	YES	
L0005350	0	0.12970E-06	475738.1	3746347.9	468.8	4.00	3.95	1.86	YES	
L0005351	0	0.12970E-06	475746.6	3746348.0	468.6	4.00	3.95	1.86	YES	
L0005352	0	0.12970E-06	475755.1	3746348.1	468.4	4.00	3.95	1.86	YES	
L0005353	0	0.12970E-06	475763.6	3746348.2	468.2	4.00	3.95	1.86	YES	
L0005354	0	0.12970E-06	475772.1	3746348.2	467.9	4.00	3.95	1.86	YES	
L0005355	0	0.12970E-06	475780.6	3746348.3	467.7	4.00	3.95	1.86	YES	
L0005356	0	0.12970E-06	475789.1	3746348.4	467.4	4.00	3.95	1.86	YES	
L0005357	0	0.12970E-06	475797.6	3746348.5	467.1	4.00	3.95	1.86	YES	
L0005358	0	0.12970E-06	475806.1	3746348.6	467.0	4.00	3.95	1.86	YES	
L0005359	0	0.12970E-06	475814.6	3746348.7	467.0	4.00	3.95	1.86	YES	
L0005360	0	0.12970E-06	475823.1	3746348.8	467.0	4.00	3.95	1.86	YES	

KnoxBPreS

L0005361 0 0.12970E-06 475831.6 3746348.8 466.9 4.00 3.95 1.86 YES
L0005362 0 0.12970E-06 475840.1 3746348.9 466.7 4.00 3.95 1.86 YES
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPreS\KnoxBPreS.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005363	0	0.12970E-06	475848.6	3746349.0	466.4	4.00	3.95	1.86	YES	
L0005364	0	0.12970E-06	475857.1	3746349.1	466.1	4.00	3.95	1.86	YES	
L0005365	0	0.12970E-06	475865.6	3746349.2	466.0	4.00	3.95	1.86	YES	
L0005366	0	0.12970E-06	475874.1	3746349.3	466.0	4.00	3.95	1.86	YES	
L0005367	0	0.12970E-06	475882.6	3746349.3	466.0	4.00	3.95	1.86	YES	
L0005368	0	0.12970E-06	475891.1	3746349.4	466.0	4.00	3.95	1.86	YES	
L0005369	0	0.12970E-06	475899.6	3746349.5	465.7	4.00	3.95	1.86	YES	
L0005370	0	0.12990E-06	475441.0	3746308.3	475.0	4.00	3.95	1.86	YES	
L0005371	0	0.12990E-06	475441.0	3746316.8	475.0	4.00	3.95	1.86	YES	
L0005372	0	0.12990E-06	475441.0	3746325.3	475.0	4.00	3.95	1.86	YES	
L0005373	0	0.12990E-06	475441.0	3746333.8	475.0	4.00	3.95	1.86	YES	
L0005374	0	0.12990E-06	475441.0	3746342.3	475.0	4.00	3.95	1.86	YES	
L0005375	0	0.12990E-06	475446.7	3746345.2	474.8	4.00	3.95	1.86	YES	
L0005376	0	0.12990E-06	475455.2	3746345.4	474.5	4.00	3.95	1.86	YES	
L0005377	0	0.12990E-06	475463.7	3746345.5	474.2	4.00	3.95	1.86	YES	
L0005378	0	0.12990E-06	475472.2	3746345.7	474.0	4.00	3.95	1.86	YES	
L0005379	0	0.12990E-06	475480.7	3746345.9	473.9	4.00	3.95	1.86	YES	
L0005380	0	0.12990E-06	475489.2	3746346.0	473.9	4.00	3.95	1.86	YES	
L0005381	0	0.12990E-06	475497.7	3746346.2	473.8	4.00	3.95	1.86	YES	
L0005382	0	0.12990E-06	475506.2	3746346.3	473.6	4.00	3.95	1.86	YES	
L0005383	0	0.12990E-06	475514.7	3746346.5	473.4	4.00	3.95	1.86	YES	
L0005384	0	0.12990E-06	475523.2	3746346.7	473.2	4.00	3.95	1.86	YES	
L0005385	0	0.12990E-06	475531.7	3746346.8	472.9	4.00	3.95	1.86	YES	
L0005386	0	0.12990E-06	475540.2	3746347.0	472.7	4.00	3.95	1.86	YES	
L0005387	0	0.12990E-06	475548.7	3746347.2	472.4	4.00	3.95	1.86	YES	
L0005388	0	0.12990E-06	475557.2	3746347.3	472.1	4.00	3.95	1.86	YES	
L0005389	0	0.12990E-06	475565.7	3746347.5	471.9	4.00	3.95	1.86	YES	
L0005390	0	0.12990E-06	475574.2	3746347.6	471.9	4.00	3.95	1.86	YES	
L0005391	0	0.12990E-06	475582.7	3746347.8	471.8	4.00	3.95	1.86	YES	
L0005392	0	0.12990E-06	475591.2	3746348.0	471.7	4.00	3.95	1.86	YES	
L0005393	0	0.12990E-06	475599.7	3746348.1	471.4	4.00	3.95	1.86	YES	
L0005394	0	0.12990E-06	475608.2	3746348.3	471.1	4.00	3.95	1.86	YES	
L0005395	0	0.12990E-06	475616.7	3746348.4	470.8	4.00	3.95	1.86	YES	
L0005396	0	0.12990E-06	475625.2	3746348.6	470.6	4.00	3.95	1.86	YES	
L0005397	0	0.12990E-06	475633.7	3746348.8	470.4	4.00	3.95	1.86	YES	
L0005398	0	0.12990E-06	475642.2	3746348.9	470.2	4.00	3.95	1.86	YES	
L0005399	0	0.12990E-06	475650.7	3746349.1	470.0	4.00	3.95	1.86	YES	
L0005400	0	0.12990E-06	475659.2	3746349.3	469.7	4.00	3.95	1.86	YES	
L0005401	0	0.12990E-06	475667.7	3746349.4	469.4	4.00	3.95	1.86	YES	
L0005402	0	0.12990E-06	475676.2	3746349.6	469.1	4.00	3.95	1.86	YES	

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPreS\KnoxBPreS.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

KnoxBPre

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005403	0	0.12990E-06	475684.7	3746349.7	469.0	4.00	3.95	1.86	YES	
L0005404	0	0.12990E-06	475693.2	3746349.9	469.0	4.00	3.95	1.86	YES	
L0005405	0	0.12990E-06	475701.7	3746350.1	469.0	4.00	3.95	1.86	YES	
L0005406	0	0.12990E-06	475710.2	3746350.2	469.0	4.00	3.95	1.86	YES	
L0005407	0	0.12990E-06	475718.7	3746350.4	468.9	4.00	3.95	1.86	YES	
L0005408	0	0.12990E-06	475727.1	3746350.5	468.8	4.00	3.95	1.86	YES	
L0005409	0	0.12990E-06	475735.6	3746350.7	468.7	4.00	3.95	1.86	YES	
L0005410	0	0.12990E-06	475744.1	3746350.9	468.6	4.00	3.95	1.86	YES	
L0005411	0	0.12990E-06	475752.6	3746351.0	468.4	4.00	3.95	1.86	YES	
L0005412	0	0.12990E-06	475761.1	3746351.2	468.2	4.00	3.95	1.86	YES	
L0005413	0	0.12990E-06	475769.6	3746351.4	468.0	4.00	3.95	1.86	YES	
L0005414	0	0.12990E-06	475778.1	3746351.5	467.7	4.00	3.95	1.86	YES	
L0005415	0	0.12990E-06	475786.6	3746351.7	467.4	4.00	3.95	1.86	YES	
L0005416	0	0.12990E-06	475795.1	3746351.8	467.2	4.00	3.95	1.86	YES	
L0005417	0	0.12990E-06	475803.6	3746352.0	467.0	4.00	3.95	1.86	YES	
L0005418	0	0.12990E-06	475812.1	3746352.2	467.0	4.00	3.95	1.86	YES	
L0005419	0	0.12990E-06	475820.6	3746352.3	467.0	4.00	3.95	1.86	YES	
L0005420	0	0.12990E-06	475829.1	3746352.5	467.0	4.00	3.95	1.86	YES	
L0005421	0	0.12990E-06	475837.6	3746352.6	466.8	4.00	3.95	1.86	YES	
L0005422	0	0.12990E-06	475846.1	3746352.8	466.5	4.00	3.95	1.86	YES	
L0005423	0	0.12990E-06	475854.6	3746353.0	466.2	4.00	3.95	1.86	YES	
L0005424	0	0.12990E-06	475863.1	3746353.1	466.0	4.00	3.95	1.86	YES	
L0005425	0	0.12990E-06	475871.6	3746353.3	466.0	4.00	3.95	1.86	YES	
L0005426	0	0.12990E-06	475880.1	3746353.5	466.0	4.00	3.95	1.86	YES	
L0005427	0	0.12990E-06	475888.6	3746353.6	466.0	4.00	3.95	1.86	YES	
L0005428	0	0.12990E-06	475897.1	3746353.8	465.8	4.00	3.95	1.86	YES	
L0005429	0	0.12990E-06	475905.6	3746353.9	465.5	4.00	3.95	1.86	YES	
L0005747	0	0.20460E-07	475900.4	3746344.5	465.7	4.00	3.95	1.86	YES	
L0005748	0	0.20460E-07	475900.3	3746336.0	465.7	4.00	3.95	1.86	YES	
L0005749	0	0.20460E-07	475900.2	3746327.5	465.7	4.00	3.95	1.86	YES	
L0005750	0	0.20460E-07	475900.1	3746319.0	465.7	4.00	3.95	1.86	YES	
L0005751	0	0.20460E-07	475899.9	3746310.5	465.7	4.00	3.95	1.86	YES	
L0005752	0	0.20460E-07	475899.8	3746302.0	465.7	4.00	3.95	1.86	YES	
L0005753	0	0.20460E-07	475899.7	3746293.5	465.7	4.00	3.95	1.86	YES	
L0005754	0	0.20460E-07	475899.6	3746285.0	465.7	4.00	3.95	1.86	YES	
L0005755	0	0.20460E-07	475899.5	3746276.5	465.7	4.00	3.95	1.86	YES	
L0005756	0	0.20460E-07	475899.3	3746268.0	465.7	4.00	3.95	1.86	YES	
L0005757	0	0.20460E-07	475899.2	3746259.5	465.7	4.00	3.95	1.86	YES	
L0005758	0	0.20460E-07	475899.1	3746251.0	465.7	4.00	3.95	1.86	YES	
L0005759	0	0.20460E-07	475899.0	3746242.5	465.8	4.00	3.95	1.86	YES	

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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005760	0	0.20460E-07	475898.8	3746234.0	465.9	4.00	3.95	1.86	YES	

KnoxBPre									
L0005761	0	0.20460E-07	475898.7	3746225.5	465.9	4.00	3.95	1.86	YES
L0005762	0	0.20460E-07	475898.6	3746217.0	466.0	4.00	3.95	1.86	YES
L0005763	0	0.20460E-07	475898.5	3746208.5	466.0	4.00	3.95	1.86	YES
L0005764	0	0.20460E-07	475898.4	3746200.0	466.0	4.00	3.95	1.86	YES
L0005765	0	0.20460E-07	475898.2	3746191.5	466.0	4.00	3.95	1.86	YES
L0005766	0	0.20460E-07	475898.1	3746183.0	466.0	4.00	3.95	1.86	YES
L0005767	0	0.20460E-07	475898.0	3746174.5	466.0	4.00	3.95	1.86	YES
L0005768	0	0.20460E-07	475897.9	3746166.0	466.0	4.00	3.95	1.86	YES
L0005769	0	0.20460E-07	475897.7	3746157.5	466.1	4.00	3.95	1.86	YES
L0005770	0	0.20460E-07	475897.6	3746149.0	466.3	4.00	3.95	1.86	YES
L0005771	0	0.20460E-07	475897.5	3746140.5	466.5	4.00	3.95	1.86	YES
L0005772	0	0.20460E-07	475897.4	3746132.0	466.7	4.00	3.95	1.86	YES
L0005773	0	0.20460E-07	475897.3	3746123.5	466.8	4.00	3.95	1.86	YES
L0005774	0	0.20460E-07	475897.1	3746115.0	466.8	4.00	3.95	1.86	YES
L0005775	0	0.20460E-07	475897.0	3746106.5	466.8	4.00	3.95	1.86	YES
L0005776	0	0.20460E-07	475896.9	3746098.0	466.8	4.00	3.95	1.86	YES
L0005777	0	0.20460E-07	475896.8	3746089.5	466.9	4.00	3.95	1.86	YES
L0005778	0	0.20460E-07	475896.6	3746081.0	466.9	4.00	3.95	1.86	YES
L0005779	0	0.20460E-07	475896.5	3746072.5	467.0	4.00	3.95	1.86	YES
L0005780	0	0.20460E-07	475896.4	3746064.0	467.0	4.00	3.95	1.86	YES
L0005781	0	0.20460E-07	475896.3	3746055.5	467.0	4.00	3.95	1.86	YES
L0005782	0	0.20460E-07	475896.2	3746047.0	467.0	4.00	3.95	1.86	YES
L0005783	0	0.20460E-07	475896.0	3746038.5	467.0	4.00	3.95	1.86	YES
L0005784	0	0.20460E-07	475895.9	3746030.0	467.0	4.00	3.95	1.86	YES
L0005785	0	0.20460E-07	475895.8	3746021.5	467.0	4.00	3.95	1.86	YES
L0005786	0	0.20460E-07	475895.7	3746013.0	467.0	4.00	3.95	1.86	YES
L0005787	0	0.20460E-07	475895.5	3746004.5	467.0	4.00	3.95	1.86	YES
L0005788	0	0.20460E-07	475895.4	3745996.0	466.9	4.00	3.95	1.86	YES
L0005789	0	0.20460E-07	475895.3	3745987.5	466.9	4.00	3.95	1.86	YES
L0005790	0	0.20460E-07	475895.2	3745979.0	466.8	4.00	3.95	1.86	YES
L0005791	0	0.20460E-07	475895.1	3745970.5	466.6	4.00	3.95	1.86	YES
L0005792	0	0.20460E-07	475894.9	3745962.0	466.3	4.00	3.95	1.86	YES
L0005793	0	0.20460E-07	475894.8	3745953.5	466.1	4.00	3.95	1.86	YES
L0005794	0	0.20460E-07	475894.7	3745945.0	466.0	4.00	3.95	1.86	YES
L0005795	0	0.20460E-07	475894.6	3745936.5	466.0	4.00	3.95	1.86	YES
L0005796	0	0.20460E-07	475894.4	3745928.0	466.0	4.00	3.95	1.86	YES
L0005797	0	0.20460E-07	475894.3	3745919.5	466.0	4.00	3.95	1.86	YES
L0005798	0	0.20460E-07	475894.2	3745911.0	466.0	4.00	3.95	1.86	YES
L0005799	0	0.20460E-07	475894.1	3745902.5	466.0	4.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.res.isc ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005800	0	0.20460E-07	475894.0	3745894.0	466.0	4.00	3.95	1.86	YES	
L0005801	0	0.20460E-07	475893.8	3745885.6	466.0	4.00	3.95	1.86	YES	
L0005802	0	0.20460E-07	475893.7	3745877.1	466.0	4.00	3.95	1.86	YES	
L0005803	0	0.39170E-06	475898.2	3746354.1	465.7	4.00	3.95	1.86	YES	
L0005804	0	0.39170E-06	475897.9	3746362.6	465.7	4.00	3.95	1.86	YES	
L0005805	0	0.39170E-06	475897.7	3746371.1	465.7	4.00	3.95	1.86	YES	
L0005806	0	0.39170E-06	475897.4	3746379.6	465.8	4.00	3.95	1.86	YES	
L0005807	0	0.39170E-06	475896.4	3746388.0	465.8	4.00	3.95	1.86	YES	
L0005808	0	0.39170E-06	475894.0	3746396.1	465.9	4.00	3.95	1.86	YES	
L0005809	0	0.39170E-06	475891.6	3746404.3	465.9	4.00	3.95	1.86	YES	
L0005810	0	0.39170E-06	475889.2	3746412.5	466.0	4.00	3.95	1.86	YES	

KnoxBPre									
L0005811	0	0.39170E-06	475886.8	3746420.6	466.0	4.00	3.95	1.86	YES
L0005812	0	0.39170E-06	475884.4	3746428.8	466.0	4.00	3.95	1.86	YES
L0005813	0	0.39170E-06	475880.6	3746436.4	465.9	4.00	3.95	1.86	YES
L0005814	0	0.39170E-06	475876.5	3746443.8	465.8	4.00	3.95	1.86	YES
L0005815	0	0.39170E-06	475872.4	3746451.2	465.7	4.00	3.95	1.86	YES
L0005816	0	0.39170E-06	475868.3	3746458.7	465.7	4.00	3.95	1.86	YES
L0005817	0	0.39170E-06	475864.2	3746466.1	465.7	4.00	3.95	1.86	YES
L0005818	0	0.39170E-06	475860.1	3746473.6	465.5	4.00	3.95	1.86	YES
L0005819	0	0.39170E-06	475855.5	3746480.6	465.5	4.00	3.95	1.86	YES
L0005820	0	0.39170E-06	475849.8	3746486.9	465.4	4.00	3.95	1.86	YES
L0005821	0	0.39170E-06	475844.0	3746493.2	465.5	4.00	3.95	1.86	YES
L0005822	0	0.39170E-06	475838.3	3746499.5	465.7	4.00	3.95	1.86	YES
L0005823	0	0.39170E-06	475832.3	3746505.5	465.9	4.00	3.95	1.86	YES
L0005824	0	0.39170E-06	475826.1	3746511.3	466.0	4.00	3.95	1.86	YES
L0005825	0	0.39170E-06	475819.9	3746517.1	466.0	4.00	3.95	1.86	YES
L0005826	0	0.39170E-06	475813.7	3746522.9	466.1	4.00	3.95	1.86	YES
L0005827	0	0.39170E-06	475807.5	3746528.7	466.2	4.00	3.95	1.86	YES
L0005828	0	0.39170E-06	475801.3	3746534.5	466.5	4.00	3.95	1.86	YES
L0005829	0	0.39170E-06	475795.1	3746540.3	466.7	4.00	3.95	1.86	YES
L0005830	0	0.39170E-06	475788.9	3746546.2	466.9	4.00	3.95	1.86	YES
L0005831	0	0.39170E-06	475782.7	3746552.0	467.0	4.00	3.95	1.86	YES
L0005832	0	0.39170E-06	475776.5	3746557.8	467.0	4.00	3.95	1.86	YES
L0005833	0	0.39170E-06	475770.9	3746564.2	467.0	4.00	3.95	1.86	YES
L0005834	0	0.39170E-06	475766.0	3746571.1	467.1	4.00	3.95	1.86	YES
L0005835	0	0.39170E-06	475761.1	3746578.0	467.3	4.00	3.95	1.86	YES
L0005836	0	0.39170E-06	475756.2	3746585.0	467.5	4.00	3.95	1.86	YES
L0005837	0	0.39170E-06	475751.7	3746592.2	467.6	4.00	3.95	1.86	YES
L0005838	0	0.39170E-06	475747.3	3746599.5	467.8	4.00	3.95	1.86	YES
L0005839	0	0.39170E-06	475743.6	3746607.1	467.9	4.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005840	0	0.39170E-06	475739.9	3746614.8	468.0	4.00	3.95	1.86	YES	
L0005841	0	0.39170E-06	475736.1	3746622.4	468.1	4.00	3.95	1.86	YES	
L0005842	0	0.39170E-06	475733.3	3746630.4	468.2	4.00	3.95	1.86	YES	
L0005843	0	0.39170E-06	475730.7	3746638.5	468.3	4.00	3.95	1.86	YES	
L0005844	0	0.39170E-06	475728.4	3746646.7	468.2	4.00	3.95	1.86	YES	
L0005845	0	0.39170E-06	475726.2	3746654.9	468.0	4.00	3.95	1.86	YES	
L0005846	0	0.39170E-06	475724.2	3746663.1	467.8	4.00	3.95	1.86	YES	
L0005847	0	0.39170E-06	475723.0	3746671.5	467.5	4.00	3.95	1.86	YES	
L0005848	0	0.39170E-06	475722.0	3746680.0	467.4	4.00	3.95	1.86	YES	
L0005849	0	0.39170E-06	475721.3	3746688.5	467.2	4.00	3.95	1.86	YES	
L0005850	0	0.39170E-06	475721.1	3746697.0	467.1	4.00	3.95	1.86	YES	
L0005851	0	0.39170E-06	475720.8	3746705.4	466.8	4.00	3.95	1.86	YES	
L0005852	0	0.39170E-06	475720.9	3746713.9	466.5	4.00	3.95	1.86	YES	
L0005853	0	0.39170E-06	475721.1	3746722.4	466.2	4.00	3.95	1.86	YES	
L0005854	0	0.39170E-06	475720.8	3746730.9	466.0	4.00	3.95	1.86	YES	
L0005855	0	0.39170E-06	475720.6	3746739.4	466.0	4.00	3.95	1.86	YES	
L0005856	0	0.39170E-06	475720.6	3746747.7	466.0	4.00	3.95	1.86	YES	
L0005857	0	0.39170E-06	475729.0	3746748.1	466.0	4.00	3.95	1.86	YES	
L0005858	0	0.39170E-06	475737.5	3746748.4	466.0	4.00	3.95	1.86	YES	
L0005859	0	0.39170E-06	475746.0	3746748.8	466.0	4.00	3.95	1.86	YES	
L0005860	0	0.39170E-06	475754.5	3746749.1	466.0	4.00	3.95	1.86	YES	

KnoxBPre									
L0005861	0	0.39170E-06	475763.0	3746749.2	466.0	4.00	3.95	1.86	YES
L0005862	0	0.39170E-06	475771.5	3746749.0	465.9	4.00	3.95	1.86	YES
L0005863	0	0.39170E-06	475780.0	3746748.8	465.5	4.00	3.95	1.86	YES
L0005864	0	0.39170E-06	475788.5	3746748.5	465.0	4.00	3.95	1.86	YES
L0005865	0	0.39170E-06	475797.0	3746748.4	464.6	4.00	3.95	1.86	YES
L0005866	0	0.39170E-06	475805.5	3746748.5	464.2	4.00	3.95	1.86	YES
L0005867	0	0.39170E-06	475814.0	3746748.6	463.9	4.00	3.95	1.86	YES
L0005868	0	0.39170E-06	475822.5	3746748.8	463.6	4.00	3.95	1.86	YES
L0005869	0	0.39170E-06	475831.0	3746748.9	463.4	4.00	3.95	1.86	YES
L0005870	0	0.39170E-06	475839.5	3746749.0	463.4	4.00	3.95	1.86	YES
L0005871	0	0.39170E-06	475848.0	3746749.1	463.4	4.00	3.95	1.86	YES
L0005872	0	0.39170E-06	475856.5	3746749.2	463.4	4.00	3.95	1.86	YES
L0005873	0	0.39170E-06	475865.0	3746749.3	463.3	4.00	3.95	1.86	YES
L0005874	0	0.39170E-06	475873.5	3746749.4	463.2	4.00	3.95	1.86	YES
L0005875	0	0.39170E-06	475882.0	3746749.6	463.1	4.00	3.95	1.86	YES
L0005876	0	0.39170E-06	475890.5	3746749.7	463.0	4.00	3.95	1.86	YES
L0005877	0	0.39170E-06	475899.0	3746749.8	463.0	4.00	3.95	1.86	YES
L0005878	0	0.39170E-06	475907.5	3746749.9	463.0	4.00	3.95	1.86	YES
L0005879	0	0.39170E-06	475916.0	3746750.0	463.0	4.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005880	0	0.39170E-06	475924.5	3746750.1	462.9	4.00	3.95	1.86	YES	
L0005881	0	0.39170E-06	475933.0	3746750.2	462.7	4.00	3.95	1.86	YES	
L0005882	0	0.39170E-06	475941.5	3746750.4	462.5	4.00	3.95	1.86	YES	
L0005883	0	0.39170E-06	475950.0	3746750.5	462.3	4.00	3.95	1.86	YES	
L0005884	0	0.39170E-06	475958.5	3746750.6	462.2	4.00	3.95	1.86	YES	
L0005885	0	0.39170E-06	475967.0	3746750.7	462.1	4.00	3.95	1.86	YES	
L0005886	0	0.39170E-06	475975.5	3746750.8	462.1	4.00	3.95	1.86	YES	
L0005887	0	0.39170E-06	475984.0	3746750.9	462.0	4.00	3.95	1.86	YES	
L0005888	0	0.39170E-06	475992.5	3746751.1	462.0	4.00	3.95	1.86	YES	
L0005889	0	0.39170E-06	476001.0	3746751.2	462.0	4.00	3.95	1.86	YES	
L0005890	0	0.39170E-06	476009.5	3746751.3	462.0	4.00	3.95	1.86	YES	
L0005891	0	0.39170E-06	476018.0	3746751.4	461.7	4.00	3.95	1.86	YES	
L0005892	0	0.39170E-06	476026.5	3746751.5	461.4	4.00	3.95	1.86	YES	
L0005893	0	0.39170E-06	476035.0	3746751.6	461.2	4.00	3.95	1.86	YES	
L0005894	0	0.39170E-06	476043.5	3746751.7	461.0	4.00	3.95	1.86	YES	
L0005895	0	0.39170E-06	476052.0	3746751.9	461.0	4.00	3.95	1.86	YES	
L0005896	0	0.39170E-06	476060.5	3746752.0	461.0	4.00	3.95	1.86	YES	
L0005897	0	0.39170E-06	476069.0	3746752.1	461.0	4.00	3.95	1.86	YES	
L0005898	0	0.39170E-06	476077.5	3746752.2	460.8	4.00	3.95	1.86	YES	
L0005899	0	0.39170E-06	476086.0	3746752.3	460.5	4.00	3.95	1.86	YES	
L0005900	0	0.39170E-06	476094.5	3746752.4	460.2	4.00	3.95	1.86	YES	
L0005901	0	0.39170E-06	476103.0	3746752.5	460.0	4.00	3.95	1.86	YES	

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

KnoxBPre
 *** AREA SOURCE DATA ***

URBAN	EMISSION RATE	NUMBER	EMISSION RATE	COORD (SW CORNER)		BASE	RELEASE	X-DIM	Y-DIM	ORIENT.	INIT.
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF AREA	OF AREA	OF AREA	SZ	
SCALAR VARY	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.)	(METERS)	
ID	BY										

AREA1	0	0.44800E-08	475113.7	3745988.1	487.4	3.90	59.08	255.83	0.34	1.80
YES										
AREA2	0	0.33429E-08	475380.9	3745968.9	478.6	3.90	75.77	267.30	0.26	1.80
YES										

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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	LOCATION OF AREA		BASE	RELEASE	NUMBER	INIT.	URBAN	EMISSION RATE
ID	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF VERTS.	SZ	SOURCE	SCALAR VARY
	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY

PAREA1	0	0.35280E-08	474745.4	3746238.0	502.5	3.90	9	1.80	YES	
PAREA2	0	0.50784E-08	475006.4	3746235.2	490.4	3.90	9	1.80	YES	
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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
-----	-----	-----	-----	-----	-----	-----	-----	-----
ALL	L0005585	, L0005586	, L0005587	, L0005588	, L0005589	, L0005590	, L0005591	,
L0005592								
	L0005593	, L0005594	, L0005595	, L0005596	, L0005597	, L0005598	, L0005599	,
L0005600								
	L0005601	, L0005602	, L0005603	, L0005604	, L0005605	, L0005606	, L0005607	,
L0005608								
	L0005609	, L0005610	, L0005611	, L0005612	, L0004872	, L0004873	, L0004874	,
L0004875								
	L0004876	, L0004877	, L0004878	, L0004879	, L0004880	, L0004881	, L0004882	,
L0004883								
	L0004884	, L0004885	, L0004886	, L0004887	, L0004888	, L0004889	, L0004890	,
L0004891								

L0004899	L0004892	, L0004893	, L0004894	KnoxBPre L0004895	, L0004896	, L0004897	, L0004898	,
L0004907	L0004900	, L0004901	, L0004902	, L0004903	, L0004904	, L0004905	, L0004906	,
L0004915	L0004908	, L0004909	, L0004910	, L0004911	, L0004912	, L0004913	, L0004914	,
L0004923	L0004916	, L0004917	, L0004918	, L0004919	, L0004920	, L0004921	, L0004922	,
L0005616	L0004924	, L0004925	, L0004926	, L0004927	, L0005613	, L0005614	, L0005615	,
L0005624	L0005617	, L0005618	, L0005619	, L0005620	, L0005621	, L0005622	, L0005623	,
L0005632	L0005625	, L0005626	, L0005627	, L0005628	, L0005629	, L0005630	, L0005631	,
L0005640	L0005633	, L0005634	, L0005635	, L0005636	, L0005637	, L0005638	, L0005639	,
L0004991	L0004984	, L0004985	, L0004986	, L0004987	, L0004988	, L0004989	, L0004990	,
L0004999	L0004992	, L0004993	, L0004994	, L0004995	, L0004996	, L0004997	, L0004998	,
L0005007	L0005000	, L0005001	, L0005002	, L0005003	, L0005004	, L0005005	, L0005006	,
L0005015	L0005008	, L0005009	, L0005010	, L0005011	, L0005012	, L0005013	, L0005014	,
L0005023	L0005016	, L0005017	, L0005018	, L0005019	, L0005020	, L0005021	, L0005022	,
L0005031	L0005024	, L0005025	, L0005026	, L0005027	, L0005028	, L0005029	, L0005030	,
♀ *** AERMOD - VERSION 15181 ***	*** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc						***	02/08/17
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
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L0005039	L0005032	, L0005033	, L0005034	, L0005035	, L0005036	, L0005037	, L0005038	,
L0005648	L0005641	, L0005642	, L0005643	, L0005644	, L0005645	, L0005646	, L0005647	,
L0005656	L0005649	, L0005650	, L0005651	, L0005652	, L0005653	, L0005654	, L0005655	,
L0005664	L0005657	, L0005658	, L0005659	, L0005660	, L0005661	, L0005662	, L0005663	,

KnoxBPreS

L0005672 , L0005665 , L0005666 , L0005667 , L0005668 , L0005669 , L0005670 , L0005671 ,
 L0005680 , L0005673 , L0005674 , L0005675 , L0005676 , L0005677 , L0005678 , L0005679 ,
 L0005688 , L0005681 , L0005682 , L0005683 , L0005684 , L0005685 , L0005686 , L0005687 ,
 L0005696 , L0005689 , L0005690 , L0005691 , L0005692 , L0005693 , L0005694 , L0005695 ,
 L0005704 , L0005697 , L0005698 , L0005699 , L0005700 , L0005701 , L0005702 , L0005703 ,
 L0005712 , L0005705 , L0005706 , L0005707 , L0005708 , L0005709 , L0005710 , L0005711 ,
 L0005720 , L0005713 , L0005714 , L0005715 , L0005716 , L0005717 , L0005718 , L0005719 ,
 L0005728 , L0005721 , L0005722 , L0005723 , L0005724 , L0005725 , L0005726 , L0005727 ,
 L0005736 , L0005729 , L0005730 , L0005731 , L0005732 , L0005733 , L0005734 , L0005735 ,
 L0005744 , L0005737 , L0005738 , L0005739 , L0005740 , L0005741 , L0005742 , L0005743 ,
 L0005282 , L0005745 , L0005746 , L0005277 , L0005278 , L0005279 , L0005280 , L0005281 ,
 L0005290 , L0005283 , L0005284 , L0005285 , L0005286 , L0005287 , L0005288 , L0005289 ,
 L0005298 , L0005291 , L0005292 , L0005293 , L0005294 , L0005295 , L0005296 , L0005297 ,
 L0005306 , L0005299 , L0005300 , L0005301 , L0005302 , L0005303 , L0005304 , L0005305 ,
 L0005314 , L0005307 , L0005308 , L0005309 , L0005310 , L0005311 , L0005312 , L0005313 ,
 L0005322 , L0005315 , L0005316 , L0005317 , L0005318 , L0005319 , L0005320 , L0005321 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPreS\KnoxBPreS.isc ***
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 *** AERMET - VERSION 14134 *** ***
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0005330 ,	L0005323 , L0005324 , L0005325 , L0005326 , L0005327 , L0005328 , L0005329 ,
	L0005331 , L0005332 , L0005333 , L0005334 , L0005335 , L0005336 , L0005337 ,

KnoxBPre

L0005338 ,
L0005339 , L0005340 , L0005341 , L0005342 , L0005343 , L0005344 , L0005345 ,
L0005346 ,
L0005347 , L0005348 , L0005349 , L0005350 , L0005351 , L0005352 , L0005353 ,
L0005354 ,
L0005355 , L0005356 , L0005357 , L0005358 , L0005359 , L0005360 , L0005361 ,
L0005362 ,
L0005363 , L0005364 , L0005365 , L0005366 , L0005367 , L0005368 , L0005369 ,
L0005370 ,
L0005371 , L0005372 , L0005373 , L0005374 , L0005375 , L0005376 , L0005377 ,
L0005378 ,
L0005379 , L0005380 , L0005381 , L0005382 , L0005383 , L0005384 , L0005385 ,
L0005386 ,
L0005387 , L0005388 , L0005389 , L0005390 , L0005391 , L0005392 , L0005393 ,
L0005394 ,
L0005395 , L0005396 , L0005397 , L0005398 , L0005399 , L0005400 , L0005401 ,
L0005402 ,
L0005403 , L0005404 , L0005405 , L0005406 , L0005407 , L0005408 , L0005409 ,
L0005410 ,
L0005411 , L0005412 , L0005413 , L0005414 , L0005415 , L0005416 , L0005417 ,
L0005418 ,
L0005419 , L0005420 , L0005421 , L0005422 , L0005423 , L0005424 , L0005425 ,
L0005426 ,
L0005427 , L0005428 , L0005429 , L0005747 , L0005748 , L0005749 , L0005750 ,
L0005751 ,
L0005752 , L0005753 , L0005754 , L0005755 , L0005756 , L0005757 , L0005758 ,
L0005759 ,
L0005760 , L0005761 , L0005762 , L0005763 , L0005764 , L0005765 , L0005766 ,
L0005767 ,
L0005768 , L0005769 , L0005770 , L0005771 , L0005772 , L0005773 , L0005774 ,
L0005775 ,
L0005776 , L0005777 , L0005778 , L0005779 , L0005780 , L0005781 , L0005782 ,
L0005783 ,
L0005784 , L0005785 , L0005786 , L0005787 , L0005788 , L0005789 , L0005790 ,
L0005791 ,
L0005792 , L0005793 , L0005794 , L0005795 , L0005796 , L0005797 , L0005798 ,
L0005799 ,

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

KnoxBPre

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-----
L0005807    L0005800 , L0005801 , L0005802 , L0005803 , L0005804 , L0005805 , L0005806 ,
,
L0005815    L0005808 , L0005809 , L0005810 , L0005811 , L0005812 , L0005813 , L0005814 ,
,
L0005823    L0005816 , L0005817 , L0005818 , L0005819 , L0005820 , L0005821 , L0005822 ,
,
L0005831    L0005824 , L0005825 , L0005826 , L0005827 , L0005828 , L0005829 , L0005830 ,
,
L0005839    L0005832 , L0005833 , L0005834 , L0005835 , L0005836 , L0005837 , L0005838 ,
,
L0005847    L0005840 , L0005841 , L0005842 , L0005843 , L0005844 , L0005845 , L0005846 ,
,
L0005855    L0005848 , L0005849 , L0005850 , L0005851 , L0005852 , L0005853 , L0005854 ,
,
L0005863    L0005856 , L0005857 , L0005858 , L0005859 , L0005860 , L0005861 , L0005862 ,
,
L0005871    L0005864 , L0005865 , L0005866 , L0005867 , L0005868 , L0005869 , L0005870 ,
,
L0005879    L0005872 , L0005873 , L0005874 , L0005875 , L0005876 , L0005877 , L0005878 ,
,
L0005887    L0005880 , L0005881 , L0005882 , L0005883 , L0005884 , L0005885 , L0005886 ,
,
L0005895    L0005888 , L0005889 , L0005890 , L0005891 , L0005892 , L0005893 , L0005894 ,
,
PAREA2     L0005896 , L0005897 , L0005898 , L0005899 , L0005900 , L0005901 , PAREA1 ,
,

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      AREA1      , AREA2      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC      ELEV      URBAN

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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

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URBAN ID      URBAN POP      SOURCE IDs
-----
L0005591     2100516.  L0005585 , L0005586 , L0005587 , L0005588 , L0005589 , L0005590 ,
L0005592
,
L0005600     L0005593 , L0005594 , L0005595 , L0005596 , L0005597 , L0005598 , L0005599 ,
,
L0005608     L0005601 , L0005602 , L0005603 , L0005604 , L0005605 , L0005606 , L0005607 ,
,

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KnoxBPreS

L0004875 , L0005609 , L0005610 , L0005611 , L0005612 , L0004872 , L0004873 , L0004874 ,
 ,
 L0004883 , L0004876 , L0004877 , L0004878 , L0004879 , L0004880 , L0004881 , L0004882 ,
 ,
 L0004891 , L0004884 , L0004885 , L0004886 , L0004887 , L0004888 , L0004889 , L0004890 ,
 ,
 L0004899 , L0004892 , L0004893 , L0004894 , L0004895 , L0004896 , L0004897 , L0004898 ,
 ,
 L0004907 , L0004900 , L0004901 , L0004902 , L0004903 , L0004904 , L0004905 , L0004906 ,
 ,
 L0004915 , L0004908 , L0004909 , L0004910 , L0004911 , L0004912 , L0004913 , L0004914 ,
 ,
 L0004923 , L0004916 , L0004917 , L0004918 , L0004919 , L0004920 , L0004921 , L0004922 ,
 ,
 L0005616 , L0004924 , L0004925 , L0004926 , L0004927 , L0005613 , L0005614 , L0005615 ,
 ,
 L0005624 , L0005617 , L0005618 , L0005619 , L0005620 , L0005621 , L0005622 , L0005623 ,
 ,
 L0005632 , L0005625 , L0005626 , L0005627 , L0005628 , L0005629 , L0005630 , L0005631 ,
 ,
 L0005640 , L0005633 , L0005634 , L0005635 , L0005636 , L0005637 , L0005638 , L0005639 ,
 ,
 L0004991 , L0004984 , L0004985 , L0004986 , L0004987 , L0004988 , L0004989 , L0004990 ,
 ,
 L0004999 , L0004992 , L0004993 , L0004994 , L0004995 , L0004996 , L0004997 , L0004998 ,
 ,
 L0005007 , L0005000 , L0005001 , L0005002 , L0005003 , L0005004 , L0005005 , L0005006 ,
 ,
 L0005015 , L0005008 , L0005009 , L0005010 , L0005011 , L0005012 , L0005013 , L0005014 ,
 ,
 L0005023 , L0005016 , L0005017 , L0005018 , L0005019 , L0005020 , L0005021 , L0005022 ,
 ,
 L0005031 , L0005024 , L0005025 , L0005026 , L0005027 , L0005028 , L0005029 , L0005030 ,
 ,

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPreS\KnoxBPreS.isc ***
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs												
-----	-----	-----												
	L0005032	,	L0005033	,	L0005034	,	L0005035	,	L0005036	,	L0005037	,	L0005038	,

KnoxBPreS

L0005039 ,
L0005648 , L0005641 , L0005642 , L0005643 , L0005644 , L0005645 , L0005646 , L0005647 ,
L0005656 , L0005649 , L0005650 , L0005651 , L0005652 , L0005653 , L0005654 , L0005655 ,
L0005664 , L0005657 , L0005658 , L0005659 , L0005660 , L0005661 , L0005662 , L0005663 ,
L0005672 , L0005665 , L0005666 , L0005667 , L0005668 , L0005669 , L0005670 , L0005671 ,
L0005680 , L0005673 , L0005674 , L0005675 , L0005676 , L0005677 , L0005678 , L0005679 ,
L0005688 , L0005681 , L0005682 , L0005683 , L0005684 , L0005685 , L0005686 , L0005687 ,
L0005696 , L0005689 , L0005690 , L0005691 , L0005692 , L0005693 , L0005694 , L0005695 ,
L0005704 , L0005697 , L0005698 , L0005699 , L0005700 , L0005701 , L0005702 , L0005703 ,
L0005712 , L0005705 , L0005706 , L0005707 , L0005708 , L0005709 , L0005710 , L0005711 ,
L0005720 , L0005713 , L0005714 , L0005715 , L0005716 , L0005717 , L0005718 , L0005719 ,
L0005728 , L0005721 , L0005722 , L0005723 , L0005724 , L0005725 , L0005726 , L0005727 ,
L0005736 , L0005729 , L0005730 , L0005731 , L0005732 , L0005733 , L0005734 , L0005735 ,
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L0005290 , L0005283 , L0005284 , L0005285 , L0005286 , L0005287 , L0005288 , L0005289 ,
L0005298 , L0005291 , L0005292 , L0005293 , L0005294 , L0005295 , L0005296 , L0005297 ,
L0005306 , L0005299 , L0005300 , L0005301 , L0005302 , L0005303 , L0005304 , L0005305 ,
L0005314 , L0005307 , L0005308 , L0005309 , L0005310 , L0005311 , L0005312 , L0005313 ,
L0005322 , L0005315 , L0005316 , L0005317 , L0005318 , L0005319 , L0005320 , L0005321 ,

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPreS\KnoxBPreS.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

KnoxBPRes
 *** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID -----	URBAN POP -----	SOURCE IDs -----						
L0005330	L0005323	, L0005324	, L0005325	, L0005326	, L0005327	, L0005328	, L0005329	,
L0005338	L0005331	, L0005332	, L0005333	, L0005334	, L0005335	, L0005336	, L0005337	,
L0005346	L0005339	, L0005340	, L0005341	, L0005342	, L0005343	, L0005344	, L0005345	,
L0005354	L0005347	, L0005348	, L0005349	, L0005350	, L0005351	, L0005352	, L0005353	,
L0005362	L0005355	, L0005356	, L0005357	, L0005358	, L0005359	, L0005360	, L0005361	,
L0005370	L0005363	, L0005364	, L0005365	, L0005366	, L0005367	, L0005368	, L0005369	,
L0005378	L0005371	, L0005372	, L0005373	, L0005374	, L0005375	, L0005376	, L0005377	,
L0005386	L0005379	, L0005380	, L0005381	, L0005382	, L0005383	, L0005384	, L0005385	,
L0005394	L0005387	, L0005388	, L0005389	, L0005390	, L0005391	, L0005392	, L0005393	,
L0005402	L0005395	, L0005396	, L0005397	, L0005398	, L0005399	, L0005400	, L0005401	,
L0005410	L0005403	, L0005404	, L0005405	, L0005406	, L0005407	, L0005408	, L0005409	,
L0005418	L0005411	, L0005412	, L0005413	, L0005414	, L0005415	, L0005416	, L0005417	,
L0005426	L0005419	, L0005420	, L0005421	, L0005422	, L0005423	, L0005424	, L0005425	,
L0005751	L0005427	, L0005428	, L0005429	, L0005747	, L0005748	, L0005749	, L0005750	,
L0005759	L0005752	, L0005753	, L0005754	, L0005755	, L0005756	, L0005757	, L0005758	,
L0005767	L0005760	, L0005761	, L0005762	, L0005763	, L0005764	, L0005765	, L0005766	,
L0005775	L0005768	, L0005769	, L0005770	, L0005771	, L0005772	, L0005773	, L0005774	,
L0005783	L0005776	, L0005777	, L0005778	, L0005779	, L0005780	, L0005781	, L0005782	,
L0005791	L0005784	, L0005785	, L0005786	, L0005787	, L0005788	, L0005789	, L0005790	,
L0005799	L0005792	, L0005793	, L0005794	, L0005795	, L0005796	, L0005797	, L0005798	,

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs							
-----	-----	-----							
L0005807	L0005800	, L0005801	, L0005802	, L0005803	, L0005804	, L0005805	, L0005806	,	
L0005815	L0005808	, L0005809	, L0005810	, L0005811	, L0005812	, L0005813	, L0005814	,	
L0005823	L0005816	, L0005817	, L0005818	, L0005819	, L0005820	, L0005821	, L0005822	,	
L0005831	L0005824	, L0005825	, L0005826	, L0005827	, L0005828	, L0005829	, L0005830	,	
L0005839	L0005832	, L0005833	, L0005834	, L0005835	, L0005836	, L0005837	, L0005838	,	
L0005847	L0005840	, L0005841	, L0005842	, L0005843	, L0005844	, L0005845	, L0005846	,	
L0005855	L0005848	, L0005849	, L0005850	, L0005851	, L0005852	, L0005853	, L0005854	,	
L0005863	L0005856	, L0005857	, L0005858	, L0005859	, L0005860	, L0005861	, L0005862	,	
L0005871	L0005864	, L0005865	, L0005866	, L0005867	, L0005868	, L0005869	, L0005870	,	
L0005879	L0005872	, L0005873	, L0005874	, L0005875	, L0005876	, L0005877	, L0005878	,	
L0005887	L0005880	, L0005881	, L0005882	, L0005883	, L0005884	, L0005885	, L0005886	,	
L0005895	L0005888	, L0005889	, L0005890	, L0005891	, L0005892	, L0005893	, L0005894	,	
PAREA2	L0005896	, L0005897	, L0005898	, L0005899	, L0005900	, L0005901	, PAREA1	,	

♀ *** AERMOD - VERSION 15181 ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(474747.9, 3745949.7, 510.2, 517.0, 0.0); (474784.6, 3745949.7, 504.4, 521.0, 0.0);

(474821.2, 3745949.7, 500.6, 523.0, 0.0);	KnoxBPRes	(474857.9, 3745949.7, 499.4, 517.0, 0.0);
(474894.6, 3745949.7, 498.2, 498.2, 0.0);		(474931.2, 3745949.7, 496.0, 496.0, 0.0);
(474967.9, 3745949.7, 494.7, 494.7, 0.0);		(475004.6, 3745949.7, 493.0, 493.0, 0.0);
(475041.3, 3745949.7, 489.9, 489.9, 0.0);		(475077.9, 3745949.7, 487.2, 487.2, 0.0);
(475114.6, 3745949.7, 486.9, 486.9, 0.0);		(475151.3, 3745949.7, 486.4, 486.4, 0.0);
(475187.9, 3745949.7, 486.4, 486.4, 0.0);		(475224.6, 3745949.7, 483.6, 483.6, 0.0);
(475261.3, 3745949.7, 482.0, 482.0, 0.0);		(475298.0, 3745949.7, 480.7, 480.7, 0.0);
(475334.6, 3745949.7, 479.5, 479.5, 0.0);		(475371.3, 3745949.7, 478.3, 478.3, 0.0);
(475408.0, 3745949.7, 478.0, 478.0, 0.0);		(475444.6, 3745949.7, 476.0, 476.0, 0.0);
(475481.3, 3745949.7, 475.6, 475.6, 0.0);		(474747.9, 3745959.5, 510.2, 517.0, 0.0);
(474784.6, 3745959.5, 504.1, 523.0, 0.0);		(474821.2, 3745959.5, 500.3, 523.0, 0.0);
(474857.9, 3745959.5, 498.9, 519.0, 0.0);		(474894.6, 3745959.5, 497.5, 497.5, 0.0);
(474931.2, 3745959.5, 495.6, 495.6, 0.0);		(474967.9, 3745959.5, 494.4, 494.4, 0.0);
(475004.6, 3745959.5, 492.7, 492.7, 0.0);		(475041.3, 3745959.5, 489.8, 489.8, 0.0);
(475077.9, 3745959.5, 487.4, 487.4, 0.0);		(475114.6, 3745959.5, 486.9, 486.9, 0.0);
(475151.3, 3745959.5, 486.9, 486.9, 0.0);		(475187.9, 3745959.5, 486.5, 486.5, 0.0);
(475224.6, 3745959.5, 483.8, 483.8, 0.0);		(475261.3, 3745959.5, 482.3, 482.3, 0.0);
(475298.0, 3745959.5, 481.1, 481.1, 0.0);		(475334.6, 3745959.5, 479.8, 479.8, 0.0);
(475371.3, 3745959.5, 478.6, 478.6, 0.0);		(475408.0, 3745959.5, 478.0, 478.0, 0.0);
(475444.6, 3745959.5, 476.3, 476.3, 0.0);		(475481.3, 3745959.5, 475.6, 475.6, 0.0);
(475854.1, 3746316.7, 466.2, 466.2, 0.0);		(475863.3, 3746274.2, 466.2, 466.2, 0.0);

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPRes\KnoxBPRes.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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,
*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBPre\KnoxBPre.isc ***
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**MODELOPTs: RegDFault CONC ELEV URBAN

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

Surface file: ..\SRA24_Met Data\peri8.sfc Met Version:
14134
Profile file: ..\SRA24_Met Data\peri8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3190 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2007 Year: 2007

First 24 hours of scalar data

Table with columns: YR MO DY JDY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS WD HT REF TA. Contains 24 rows of meteorological data.

KnoxBPre															
07 01 01	1 16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	0.36	5.80	329.	9.1	291.4
5.5															
07 01 01	1 17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00	0.64	4.50	333.	9.1	289.9
5.5															
07 01 01	1 18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00	1.00	3.60	305.	9.1	288.8
5.5															
07 01 01	1 19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00	1.00	4.50	276.	9.1	287.5
5.5															
07 01 01	1 20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00	1.00	3.60	323.	9.1	287.5
5.5															
07 01 01	1 21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00	1.00	4.00	322.	9.1	288.1
5.5															
07 01 01	1 22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00	1.00	4.50	30.	9.1	288.1
5.5															
07 01 01	1 23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00	1.00	4.00	343.	9.1	287.0
5.5															
07 01 01	1 24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00	1.00	1.80	155.	9.1	283.8
5.5															

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL

*** INCLUDING SOURCE(S): L0005585 , L0005586 , L0005587 , L0005588 ,
 L0005589 , L0005590 , L0005591 , L0005592 , L0005593 , L0005594 , L0005595 , L0005596 ,
 L0005597 , L0005598 , L0005599 , L0005600 , L0005601 , L0005602 , L0005603 , L0005604 ,
 L0005605 , L0005606 , L0005607 , L0005608 , L0005609 , L0005610 , L0005611 , L0005612 ,
 . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF DPM		IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC		
474747.90	3745949.70	0.00362	474784.57	3745949.70	0.00599		
474821.24	3745949.70	0.00797	474857.91	3745949.70	0.00775		
474894.58	3745949.70	0.00703	474931.25	3745949.70	0.00711		
474967.92	3745949.70	0.00826	475004.59	3745949.70	0.01069		
475041.26	3745949.70	0.01379	475077.93	3745949.70	0.01395		
475114.60	3745949.70	0.01450	475151.27	3745949.70	0.01603		
475187.94	3745949.70	0.01489	475224.61	3745949.70	0.01168		
475261.28	3745949.70	0.00979	475297.95	3745949.70	0.00902		

KnoxBPre

475334.62	3745949.70	0.00947	475371.29	3745949.70	0.01175
475407.96	3745949.70	0.01523	475444.63	3745949.70	0.01413
475481.30	3745949.70	0.01041	474747.90	3745959.54	0.00386
474784.57	3745959.54	0.00687	474821.24	3745959.54	0.00923
474857.91	3745959.54	0.00838	474894.58	3745959.54	0.00736
474931.25	3745959.54	0.00744	474967.92	3745959.54	0.00884
475004.59	3745959.54	0.01213	475041.26	3745959.54	0.01596
475077.93	3745959.54	0.01544	475114.60	3745959.54	0.01611
475151.27	3745959.54	0.01873	475187.94	3745959.54	0.01662
475224.61	3745959.54	0.01227	475261.28	3745959.54	0.01013
475297.95	3745959.54	0.00935	475334.62	3745959.54	0.01007
475371.29	3745959.54	0.01361	475407.96	3745959.54	0.01874
475444.63	3745959.54	0.01657	475481.30	3745959.54	0.01104
475854.15	3746316.72	0.00604	475863.29	3746274.18	0.00349

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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF DPM IN MICROGRAMS/M**3 **

NETWORK
 GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
 GRID-ID

ALL	1ST HIGHEST VALUE IS	0.01874 AT (	475407.96,	3745959.54,	478.02,	478.02,	0.00)	DC
	2ND HIGHEST VALUE IS	0.01873 AT (	475151.27,	3745959.54,	486.89,	486.89,	0.00)	DC
	3RD HIGHEST VALUE IS	0.01662 AT (	475187.94,	3745959.54,	486.53,	486.53,	0.00)	DC
	4TH HIGHEST VALUE IS	0.01657 AT (	475444.63,	3745959.54,	476.27,	476.27,	0.00)	DC
	5TH HIGHEST VALUE IS	0.01611 AT (	475114.60,	3745959.54,	486.94,	486.94,	0.00)	DC
	6TH HIGHEST VALUE IS	0.01603 AT (	475151.27,	3745949.70,	486.37,	486.37,	0.00)	DC
	7TH HIGHEST VALUE IS	0.01596 AT (	475041.26,	3745959.54,	489.78,	489.78,	0.00)	DC
	8TH HIGHEST VALUE IS	0.01544 AT (	475077.93,	3745959.54,	487.43,	487.43,	0.00)	DC
	9TH HIGHEST VALUE IS	0.01523 AT (	475407.96,	3745949.70,	477.99,	477.99,	0.00)	DC

10TH HIGHEST VALUE IS 0.01489 AT (475187.94, 3745949.70, 486.39, 486.39, 0.00) DC

KnoxBPres

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

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 1457 MEOpen: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** AERMOD Finishes Successfully ***

Table A1
Quantification of Carcinogenic Risks
Residential Exposure Scenario

Mobile Sources - Diesel Particulates

$$\text{DOSEair} = \text{Cair} \times [\text{BR}/\text{BW}] \times \text{A} \times \text{EF} \times (1 \times 10^{-6})$$

$$\text{RISKair} = \text{DOSEair} \times \text{CPF} \times \text{ED}/\text{AT}$$

Cair	0.01874
DBR (l/kg)	302
EF (350/365)	0.95890411
conv factor	0.000001
DOSEair =	5.4269E-06
CPF	1.1E+00
ED	70
AT	70
RISKair =	5.97E-06
RISK Per Million =	5.97

Quantification of Non Carcinogenic Risks
Residential Exposure Scenario

REL (ug/m3)	5
Hazard Index =	0.003748

Emission Rates - Residential Exposure (Average of emission factor)
AVERAGE EMISSION FACTOR
SCAQMD 2017-2086

Speed	LHD1	MHD	HHD
0	0.440507	0.015845	0.00517
5	0.029118	0.01598	0.01479
25	0.01257	0.007919	0.00872

Speed	Weighted Average Emissions
0	0.10281
5	0.01815
25	0.00943

Year	Speed	LHD1	MHD	HHD
2017	0 mph	0.802377	0.334442	0.066326077
	5 mph	0.116672	0.275664	0.099180407
	25 mph	0.03833	0.106684	0.044321841
2018	0 mph	0.797224	0.278174	0.044570434
	5 mph	0.111528	0.221972	0.060043409
	25 mph	0.037058	0.088593	0.030634806
2019	0 mph	0.789742	0.227647	0.038305427
	5 mph	0.106225	0.164772	0.054504214
	25 mph	0.03572	0.070994	0.028300161
2020	0 mph	0.779549	0.130914	0.022508763
	5 mph	0.100705	0.057329	0.041607954
	25 mph	0.034289	0.039832	0.023662018
2021	0 mph	0.765814	0.015921	0.018815229
	5 mph	0.095027	0.012803	0.036249172
	25 mph	0.032775	0.007476	0.021383743
2022	0 mph	0.74834	0.013362	0.01484053
	5 mph	0.089172	0.011645	0.032311715
	25 mph	0.031165	0.006825	0.019005407
2023	0 mph	0.729799	0.005355	0.009751114
	5 mph	0.083296	0.006312	0.012803391
	25 mph	0.029521	0.003795	0.007623878
2024	0 mph	0.710253	0.004579	0.008709656
	5 mph	0.077412	0.006297	0.012704459
	25 mph	0.027851	0.003812	0.007607986
2025	0 mph	0.690394	0.003962	0.007741953
	5 mph	0.071631	0.006271	0.012554254
	25 mph	0.026186	0.003819	0.007556373
2026	0 mph	0.669535	0.003488	0.006950832
	5 mph	0.065988	0.006237	0.012384383
	25 mph	0.024536	0.003816	0.007485729

2027	0 mph	0.647001	0.003126	0.006078038
	5 mph	0.060594	0.006186	0.012193283
	25 mph	0.022931	0.0038	0.007402399
2028	0 mph	0.62464	0.002809	0.00555985
	5 mph	0.055507	0.006155	0.012061678
	25 mph	0.021395	0.003794	0.007345112
2029	0 mph	0.601184	0.00255	0.005005429
	5 mph	0.050674	0.006123	0.011905036
	25 mph	0.019917	0.003785	0.007270531
2030	0 mph	0.578314	0.002314	0.00447508
	5 mph	0.046191	0.006084	0.011742445
	25 mph	0.018527	0.00377	0.007190514
2031	0 mph	0.555789	0.002136	0.00398068
	5 mph	0.042066	0.006048	0.011595959
	25 mph	0.01723	0.003755	0.007118472
2032	0 mph	0.536566	0.001993	0.003689976
	5 mph	0.038468	0.006013	0.011474401
	25 mph	0.016077	0.00374	0.007057172
2033	0 mph	0.517997	0.001881	0.003395156
	5 mph	0.035267	0.005985	0.011357635
	25 mph	0.015034	0.003728	0.006999086
2034	0 mph	0.500242	0.00179	0.003088982
	5 mph	0.032423	0.005954	0.011239035
	25 mph	0.014092	0.003714	0.006940349
2035	0 mph	0.483189	0.001713	0.002824311
	5 mph	0.029788	0.005921	0.011138358
	25 mph	0.013216	0.003697	0.006892119
2036	0 mph	0.467738	0.001652	0.002627241
	5 mph	0.027502	0.005889	0.011064121
	25 mph	0.012449	0.003681	0.00686232
2037	0 mph	0.452947	0.001602	0.002475895
	5 mph	0.02541	0.005859	0.011012599
	25 mph	0.01174	0.003665	0.006841237
2038	0 mph	0.438979	0.001564	0.002344769
	5 mph	0.023538	0.005836	0.010979915
	25 mph	0.011101	0.003653	0.006829631
2039	0 mph	0.426504	0.001531	0.002235251
	5 mph	0.02188	0.005818	0.010961271
	25 mph	0.010532	0.003643	0.006824697
2040	0 mph	0.415137	0.001502	0.002130339
	5 mph	0.020462	0.005802	0.010947318
	25 mph	0.01004	0.003635	0.006823177
2041	0 mph	0.404953	0.001476	0.002037225
	5 mph	0.019241	0.00579	0.010934086
	25 mph	0.009614	0.003628	0.006821976
2042	0 mph	0.395858	0.001453	0.001969833
	5 mph	0.018211	0.00578	0.010928056
	25 mph	0.009252	0.003623	0.006823783
2043	0 mph	0.387965	0.001435	0.001912267
	5 mph	0.017379	0.005775	0.010923925
	25 mph	0.008954	0.003621	0.006826753

2044	0 mph	0.380329	0.001418	0.001848363
	5 mph	0.016539	0.005771	0.010915981
	25 mph	0.008663	0.003619	0.006828726
2045	0 mph	0.373428	0.001404	0.001783717
	5 mph	0.015791	0.005769	0.010905325
	25 mph	0.008406	0.003618	0.006829696
2046	0 mph	0.366773	0.001393	0.001725535
	5 mph	0.015057	0.005768	0.010896323
	25 mph	0.008158	0.003619	0.006830451
2047	0 mph	0.360684	0.001382	0.001667877
	5 mph	0.014402	0.005768	0.010884771
	25 mph	0.007939	0.003619	0.006830451
2048	0 mph	0.354783	0.001373	0.001628782
	5 mph	0.013752	0.00577	0.010886244
	25 mph	0.007725	0.00362	0.006831119
2049	0 mph	0.34925	0.001368	0.001595328
	5 mph	0.013164	0.005772	0.010889723
	25 mph	0.007532	0.003621	0.006832867
2050	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2051	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2052	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2053	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2054	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2055	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2056	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2057	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2058	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2059	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2060	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309

2078	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2079	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2080	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2081	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2082	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2083	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2084	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2085	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309
2086	0 mph	0.344114	0.001364	0.001556576
	5 mph	0.01263	0.005774	0.010892846
	25 mph	0.007358	0.003623	0.006834309

Emission Rates - Residential Exposure (Average of emission factors for years 2017 through 2085) - UNMITIGATED

Truck Emission Rates (70 year average)						
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building E (East Side)	66			0.1028	1.69	1.956E-05
On-Site Idling - Building D (West Side)	113			0.1028	2.89	3.347E-05
On-Site Idling - Building D (East Side)	113			0.1028	2.89	3.347E-05
On-Site Travel - Building E (East Side)	132	19.56	0.0182		0.36	4.110E-06
On-Site Travel - Building D (West Side)	225	33.47	0.0182		0.61	7.032E-06
On-Site Travel - Building D (East Side)	225	33.47	0.0182		0.61	7.032E-06
Driveway 2 to Harvill Building E (100%)	356	198.89	0.0094		1.87	2.170E-05
Driveway 3 to Harvill Building D (50%)	225	110.56	0.0094		1.04	1.206E-05
Driveway 5 to Harvill Building D (50%)	225	71.43	0.0094		0.67	7.792E-06
South on Harvill (5%)	36	10.50	0.0094		0.10	1.146E-06
Harvill to Harley Knox/215 Freeway (95%)	677	355.52	0.0094		3.35	3.878E-05



Knox Business Park

AIR QUALITY IMPACT ANALYSIS

COUNTY OF RIVERSIDE

PREPARED BY:

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August 5, 2016 (Revised)
OCTOBER 6, 2015

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg/m ³	Microgram per Cubic Meter
AADT	Annual Average Daily Trips
AQIA	Air Quality Impact Analysis
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
BACMs	Best Available Control Measures
BMPs	Best Management Practices
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CO	Carbon Monoxide
DPM	Diesel Particulate Matter
EPA	Environmental Protection Agency
LST	Localized Significance Threshold
MMs	Mitigation Measures
NAAQS	National Ambient Air Quality Standards
NO ₂	Nitrogen Dioxide
NO _x	Oxides of Nitrogen
Pb	Lead
PM ₁₀	Particulate Matter 10 microns in diameter or less
PM _{2.5}	Particulate Matter 2.5 microns in diameter or less
PPM	Parts Per Million
Project	Knox Business Park
ROG	Reactive Organic Gases
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SIPs	State Implementation Plans
SRA	Source Receptor Area

TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
TOG	Total Organic Gases
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds

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EXECUTIVE SUMMARY

ES-1 CONSTRUCTION-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project will exceed the numerical thresholds of significance established by the South Coast Air Quality Management District (SCAQMD) for emissions of Oxides of Nitrogen (NO_x) prior to implementation of applicable Best Available Control measures (BACMs) and mitigation measures (MMs).

Best available control measures BACM AQ-1, BACM AQ-2, and the proposed MM AQ-1, MM AQ-2, and MM AQ-3 are recommended to reduce the impacts to less than significant levels. After implementation of the recommended mitigation measures, construction activity emissions will not exceed the numerical thresholds established by the SCAQMD for any phase of construction activity. Thus a less than significant impact will occur with the implementation of BACM AQ-1, BACM AQ-2, MM AQ-1, MM AQ-2, and MM AQ-3.

LOCALIZED IMPACTS

Without BACMs and Mitigation, emissions during construction activity will exceed the SCAQMD's localized significance threshold for emissions of NO₂, PM₁₀, and PM 2.5. It should be noted that the impacts without BACMs do not take credit for reductions achieved standard regulatory requirements (Rule 403). After implementation of BACM AQ-1, BACM AQ-2 and MM AQ-1, the emissions resulting from short-term construction activity will not exceed the SCAQMD LST thresholds. A less than significant impact would occur with the application of BACMs and standard regulatory requirements. With implementation of BACMs and Mitigation, Project construction-source emissions would not conflict with the applicable Air Quality Management Plan (AQMP) as shown in Section 3.9 of the report.

ODORS

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

ES-2 OPERATIONAL-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs NO_x. As shown in Section 4.6, no feasible mitigation measures exist that would reduce these emissions to levels that are less-than-

significant. Thus a significant impact would occur even with implementation of the proposed mitigation measures (MM AQ-3 through MM AQ-8). Project operational-source NOx emissions exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable.

LOCALIZED IMPACTS

Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the operational LSTs section of this report. The proposed Project would not result in a significant CO “hotspot” as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8, thus a less than significant impact to sensitive receptors during operational activity is expected. Lastly, project operational-source emissions would have the potential to conflict with the AQMP during operational activity as shown in Section 3.9 of the report.

ODORS

Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills or various heavy industrial uses. The Project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential sources of operational odors generated by the Project would include disposal of miscellaneous refuse. Moreover, SCAQMD Rule 402 acts to prevent occurrences of odor nuisances (1). Consistent with County requirements, all Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with solid waste regulations. Potential operational-source odor impacts are therefore considered less-than-significant.

1 INTRODUCTION

This report presents the results of the (2)air quality impact analysis (AQIA) prepared by Urban Crossroads, Inc., for the proposed Knox Business Park (“Project”). The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the proposed Project, and recommend measures to mitigate impacts considered potentially significant in comparison to established air district thresholds.

1.1 SITE LOCATION

The proposed Knox Business Park site is located south of Oleander Avenue and on either side of Decker Road in an unincorporated portion of the County of Riverside, as shown on Exhibit 1-A. The Project site is mostly vacant with one vacant structure within the southern portion of the site. Nearby existing residential land uses are located west and south of the Project site. An existing high-cube warehouse/distribution land use is located northeast of the Project site along Oleander Avenue. Vacant land uses located adjacent north of the Project site are zoned Industrial Park “I-P” and Manufacturing-Medium “M-M”. The vacant land use located adjacent east of the Project site is zoned Manufacturing-Service Commercial “M-SC”.

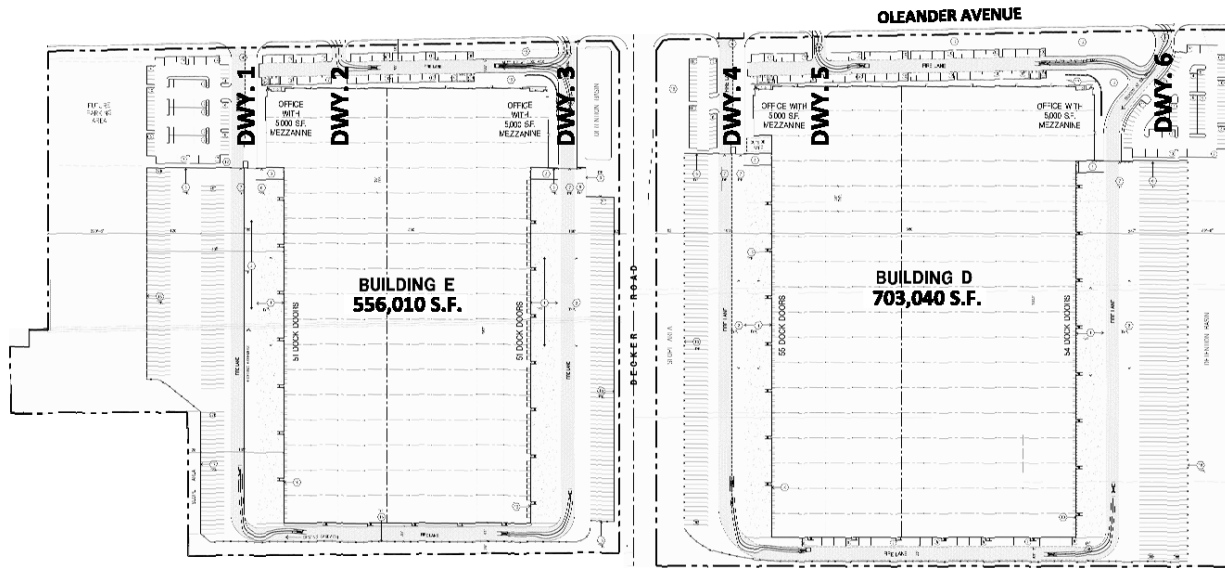
1.2 PROJECT DESCRIPTION

The Project is proposed to consist of approximately 1,259,050 square feet of high-cube warehouse/distribution center uses divided over two buildings: Building D (703,040 square feet) and Building E (556,010 square feet), as shown on Exhibit 1-B. At the time this AQIA was prepared, the future tenants of the proposed Project were unknown. The use of combustion sources (e.g. emergency generators and boilers) is unknown at this time; if combustion sources are ultimately needed for the Project, each individual combustion source will be subject to SCAQMD permitting requirements and subject to SCAQMD regulatory requirements. This analysis assumes the Project would be operational 24 hours per day, seven days per week, which is a conservative assumption that may overstate the air emissions. This analysis does not account for emissions and impacts associated with tenants that require cold storage (refrigeration). The Project is anticipated to be constructed and occupied by Year 2017.

Based on consultation with the client, as part of the Project’s design, all on-site outdoor cargo handling equipment (CHE) (including yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) will be powered by diesel fueled engines that comply with the California Air Resources Board (CARB)/U.S. EPA Tier IV Engine standards for off-road vehicles or better (defined as less than or equal to 0.015 g/bhp-hr [0.02 g/kW-hr] for PM10) and all on-site indoor forklifts shall be powered by electricity, compressed natural gas, or propane.

EXHIBIT 1-A: LOCATION MAP

EXHIBIT 1-B: SITE PLAN



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2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (3). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As discussed above, the Project site is located within the South Coast Air Basin, a 6,745-square mile subregion of the SCAQMD, which includes portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The larger South Coast district boundary includes 10,743 square miles.

The SCAB is bound by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Los Angeles County portion of the Mojave Desert Air Basin is bound by the San Gabriel Mountains to the south and west, the Los Angeles / Kern County border to the north, and the Los Angeles / San Bernardino County border to the east. The Riverside County portion of the Salton Sea Air Basin is bound by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60s (degrees Fahrenheit). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide to sulfates is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71 percent along the coast and 59 percent inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90 percent of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year there are approximately 10 hours of possible sunshine, and on the longest day of the year there are approximately 14 1/2 hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter, when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as NOX and CO from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The Basin is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 CRITERIA POLLUTANTS AND ITS HEALTH EFFECTS

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and effects regulated by the SCAQMD are identified below (4; 5):

- Carbon Monoxide (CO): Is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone, motor vehicles operating at slow speeds are the primary source of CO in the Basin. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.
- Sulfur Dioxide (SO₂): Is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO₂ oxidizes in the atmosphere, it forms sulfates (SO₄). Collectively, these pollutants are referred to as sulfur oxides (SOX).

Nitrogen Oxides (Oxides of Nitrogen, or NO_x): Nitrogen oxides (NO_x) consist of nitric oxide (NO), nitrogen dioxide (NO₂) and nitrous oxide (N₂O) and are formed when nitrogen (N₂) combines with oxygen (O₂). Their lifespan in the atmosphere ranges from one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. Nitrogen oxides are typically created during combustion processes, and are major contributors to smog formation and acid deposition. NO₂ is a criteria air pollutant, and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO₂ is the most abundant in the atmosphere. As ambient concentrations of NO₂ are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO₂ than those indicated by regional monitors.

- Ozone (O₃): Is a highly reactive and unstable gas that is formed when volatile organic compounds (VOCs) and nitrogen oxides (NO_x) undergo slow photochemical reactions in the presence of sunlight. Ozone concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.
- PM₁₀ (Particulate Matter less than 10 microns): A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. The size of the particles (10 microns or

smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. PM10 also causes visibility reduction and is a criteria air pollutant.

- **PM2.5 (Particulate Matter less than 2.5 microns):** A similar air pollutant consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include sulfates formed from SO₂ release from power plants and industrial facilities and nitrates that are formed from NO_x release from power plants, automobiles and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM2.5 is a criteria air pollutant.
- **Volatile Organic Compounds (VOC):** Volatile organic compounds are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form ozone to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include: carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a precursor to O₃, which is a criteria pollutant. The SCAQMD uses the terms VOC and ROG (see below) interchangeably.
- **Reactive Organic Gases (ROG):** Similar to VOC, Reactive Organic Gases (ROG) are also precursors in forming ozone and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and nitrogen oxides react in the presence of sunlight. ROGs are a precursor to O₃, which is a criteria pollutant. The SCAQMD uses the terms ROG and VOC (see previous) interchangeably.
- **Lead (Pb):** Lead is a heavy metal that is highly persistent in the environment. In the past, the primary source of lead in the air was emissions from vehicles burning leaded gasoline. As a result of the removal of lead from gasoline, there have been no violations at any of the SCAQMD's regular air monitoring stations since 1982. Currently, emissions of lead are largely limited to stationary sources such as lead smelters. It should be noted that the Project is not anticipated to generate a quantifiable amount of lead emissions. Lead is a criteria air pollutant.

Health Effects of Air Pollutants

Ozone

Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible subgroups for ozone effects. Short-term exposure (lasting for a few hours) to ozone at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated ozone levels are associated with increased school absences. In recent years, a correlation between elevated ambient ozone levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple sports and live in communities with high ozone levels.

Ozone exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes ozone may be more toxic than exposure to ozone alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.

Carbon Monoxide

Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen supply to the heart. Inhaled CO has no direct toxic effect on the lungs, but exerts its effect on tissues by interfering with oxygen transport and competing with oxygen to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for oxygen supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (oxygen deficiency) as seen at high altitudes.

Reduction in birth weight and impaired neurobehavioral development have been observed in animals chronically exposed to CO, resulting in COHb levels similar to those observed in smokers. Recent studies have found increased risks for adverse birth outcomes with exposure to elevated CO levels; these include pre-term births and heart abnormalities.

Particulate Matter

A consistent correlation between elevated ambient fine particulate matter (PM₁₀ and PM_{2.5}) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in life-span, and an increased mortality from lung cancer.

Daily fluctuations in PM_{2.5} concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with longterm exposure to particulate matter.

The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM₁₀ and PM_{2.5}.

Nitrogen Dioxide

Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO₂ at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term

exposure to NO₂ in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups.

In animals, exposure to levels of NO₂ considerably higher than ambient concentrations results in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of ozone exposure increases when animals are exposed to a combination of ozone and NO₂.

Sulfur Dioxide

A few minutes of exposure to low levels of SO₂ can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO₂. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO₂.

Animal studies suggest that despite SO₂ being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract.

Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO₂ levels. In these studies, efforts to separate the effects of SO₂ from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically or one pollutant alone is the predominant factor.

Lead

Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure.

Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.

Odors

The science of odor as a health concern is still new. Merely identifying the hundreds of VOCs that cause odors poses a big challenge. Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate

sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality (of the criteria pollutants previously discussed in Section 2.4) is evaluated and in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect under these standards are shown in Table 2-1 (6) (7).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards presented in Table 2-1. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O₃, CO, SO₂, NO₂, PM₁₀, and PM_{2.5} are not equaled or exceeded at any time in any consecutive three-year period; and the federal standards (other than O₃, PM₁₀, PM_{2.5}, and those based on annual averages or arithmetic mean) are not exceeded more than once per year. The O₃ standard is attained when the fourth highest eight-hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM₁₀, the 24 hour standard is attained when 99 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.

TABLE 2-1 (1 OF 2): AMBIENT AIR QUALITY STANDARDS

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃)	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.075 ppm (147 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁸	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM _{2.5}) ⁸	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	
Nitrogen Dioxide (NO ₂) ⁹	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹⁰	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹⁰	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹⁰	—	
Lead ^{11,12}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹³	8 Hour	See footnote 13	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹¹	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (6/4/13)

TABLE 2-1 (2 OF 2): AMBIENT AIR QUALITY STANDARDS

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above $150 \mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On December 14, 2012, the national annual PM2.5 primary standard was lowered from $15 \mu\text{g}/\text{m}^3$ to $12.0 \mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at $35 \mu\text{g}/\text{m}^3$, as was the annual secondary standard of $15 \mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of $150 \mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
9. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
10. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
11. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
12. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ($1.5 \mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
13. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

For more information please call ARB-PIO at (916) 322-2990

California Air Resources Board (6/4/13)

2.6 REGIONAL AIR QUALITY

The SCAQMD monitors levels of various criteria pollutants at 30 monitoring stations throughout the air district. In 2014, the federal and state ambient air quality standards (NAAQS and CAAQS) were exceeded on one or more days for ozone, PM₁₀, and PM_{2.5} at most monitoring locations (8). No areas of the SCAB exceeded federal or state standards for NO₂, SO₂, CO, sulfates or lead. See Table 2-2 for attainment designations for the SCAB (9) (10). Appendix 3.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

2.7 LOCAL AIR QUALITY

Relative to the Project site, the nearest long-term air quality monitoring site for Ozone (O₃) and Particulate Matter ≤ 10 Microns (PM₁₀) is the South Coast Air Quality Management District Perris monitoring station (SRA 24), located approximately 6 miles south of the Project site (11). Data for Carbon Monoxide (CO), Nitrogen Dioxide (NO₂), and Particulate Matter ≤ 2.5 Microns (PM_{2.5}) was obtained from the Metropolitan Riverside County 2 monitoring station (SRA 23), located approximately 12 miles northwest of the Project site. It should be noted that the Metropolitan Riverside County 2 monitoring station was utilized in lieu of the Perris monitoring station only in instances where data was not available from the Perris site.

The most recent three (3) years of data available is shown on Table 2-3 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project site (8) (12). Additionally, data for SO₂ has been omitted as attainment is regularly met in the South Coast Air Basin and few monitoring stations measure SO₂ concentrations.

TABLE 2-2: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SOUTH COAST AIR BASIN (SCAB)

Criteria Pollutant	State Designation	Federal Designation
Ozone - 1hour standard	Nonattainment	No Standard
Ozone - 8 hour standard	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Attainment
PM _{2.5}	Nonattainment	Nonattainment
Carbon Monoxide	Attainment	Unclassified/Attainment
Nitrogen Dioxide	Attainment	Unclassified/Attainment
Sulfur Dioxide	Attainment	Attainment
Lead ¹	Attainment	Attainment

Source: State/Federal designations were taken from <http://www.arb.ca.gov/degis/adm/adm.htm>

¹ The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

Note: See Appendix 3.1 for a detailed map of State/National Area Designations within the South Coast Air Basin

TABLE 2-3: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2012-2014

POLLUTANT	STANDARD	YEAR		
		2012	2013	2014
Ozone (O ₃) ^a				
Maximum 1-Hour Concentration (ppm)		0.111	0.108	0.117
Maximum 8-Hour Concentration (ppm)		0.093	0.090	0.094
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	28	--	--
Number of Days Exceeding State 8-Hour Standard	> 0.07 ppm	64	--	--
Number of Days Exceeding Federal 1-Hour Standard	> 0.12 ppm	0	0	--
Number of Days Exceeding Federal 8-Hour Standard	> 0.075 ppm	46	34	38
Number of Days Exceeding Health Advisory	≥ 0.15 ppm	0	0	--
Carbon Monoxide (CO) ^b				
Maximum 1-Hour Concentration (ppm)		--	4.5	2
Maximum 8-Hour Concentration (ppm)		1.5	1.4	1.4
Number of Days Exceeding State 1-Hour Standard	> 20 ppm	0	0	0
Number of Days Exceeding Federal / State 8-Hour Standard	> 9.0 ppm	0	0	0
Number of Days Exceeding Federal 1-Hour Standard	> 35 ppm	0	0	0
Nitrogen Dioxide (NO ₂) ^b				
Maximum 1-Hour Concentration (ppm)		0.060	0.053	0.056
Annual Arithmetic Mean Concentration (ppm)		0.017	--	--
Number of Days Exceeding State 1-Hour Standard	> 0.18 ppm	0	0	0
Particulate Matter ≤ 10 Microns (PM ₁₀) ^a				
Maximum 24-Hour Concentration (µg/m ³)		62	70	87
Number of Samples		60	57	60
Number of Samples Exceeding State Standard	> 50 µg/m ³	1	--	--
Number of Samples Exceeding Federal Standard	> 150 µg/m ³	0	0	0
Particulate Matter ≤ 2.5 Microns (PM _{2.5}) ^b				
Maximum 24-Hour Concentration (µg/m ³)		30.2	33.4	30.9
Annual Arithmetic Mean (µg/m ³)		11.4	11.6	--
Number of Samples Exceeding Federal 24-Hour Standard	> 35 µg/m ³	0	--	--

-- = data not available from either SCAQMD or EPA

^a Data for ozone and PM10 was obtained from the Perris monitoring station (SRA 24)

^b Data for CO, NO₂, and PM_{2.5} was obtained from the Metropolitan Riverside County 2 monitoring station (SRA 23)

2.8 REGULATORY BACKGROUND

2.8.1 FEDERAL REGULATIONS

The U.S. EPA is responsible for setting and enforcing the NAAQS for O₃, CO, NO_x, SO₂, PM₁₀, and lead (6). The U.S. EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The U.S. EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of the CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955, and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (13). The CAA also mandates that states submit and implement State Implementation Plans (SIPs) for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O₃, NO₂, SO₂, PM₁₀, CO, PM_{2.5}, and lead. The NAAQS were amended in July 1997 to include an additional standard for O₃ and to adopt a NAAQS for PM_{2.5}. Table 2-1 (previously presented) provides the NAAQS within the basin.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and nitrogen oxides (NO_x). NO_x is a collective term that includes all forms of nitrogen oxides (NO, NO₂, NO₃) which are emitted as byproducts of the combustion process.

2.8.2 CALIFORNIA REGULATIONS

The CARB, which became part of the California EPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. The California CAA mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. The CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for sulfates, visibility, hydrogen sulfide, and vinyl chloride. However at this time, hydrogen sulfide and vinyl chloride are not measured at any monitoring stations in the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (7) (6).

Local air quality management districts, such as the SCAQMD, regulate air emissions from commercial and light industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Non-attainment areas are required to prepare air quality management plans that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a five percent or more annual reduction in emissions or 15 percent or more in a period of three years for ROG_s, NO_x, CO and PM₁₀. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than five percent per year under certain circumstances.

2.8.3 AIR QUALITY MANAGEMENT PLANNING

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. The NAAQS are exceeded for ozone and PM 2.5 and the CAAQS are exceeded for ozone, PM₁₀ and PM_{2.5} (4) (14). In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards (15). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.8.

2.9 REGIONAL AIR QUALITY IMPROVEMENT

The Project is within the jurisdiction of the SCAQMD. In 1976, California adopted the Lewis Air Quality Management Act which created SCAQMD from a voluntary association of air pollution control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists is known as the Basin. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in Basin air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout the Basin. Industrial emission sources have been significantly

reduced by this approach and vehicular emissions have been reduced by technologies implemented at the state level by CARB.

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire Basin. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the South Coast Basin. The remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its Air Quality Management Plans (AQMPs) and by utilizing uniform CEQA review throughout the Basin.

The 2012 AQMP states, "the remarkable historical improvement in air quality since the 1970's is the direct result of Southern California's comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs," (16). Ozone, NO_x, VOC, and CO have been decreasing in the Basin since 1975 and are projected to continue to decrease through 2020 (17). These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although vehicle miles traveled in the Basin continue to increase, NO_x and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_x emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy. Ozone contour maps show that the number of days exceeding the national 8-hour standard has decreased between 1997 and 2007. In the 2007 period, there was an overall decrease in exceedance days compared with the 1997 period. The overall trends of PM₁₀ and PM_{2.5} in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM₁₀ have remained somewhat constant in the Basin and direct emissions of PM_{2.5} have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction and demolition, and other sources) contribute the greatest amount of direct particulate matter emissions.

Ozone levels in the SCAB have decreased substantially over the last 30 years as shown in Table 2-4 (18). Today, the maximum measured concentrations are approximately one-third of concentrations within the late 70's.

As with other pollutants, the most recent PM₁₀ statistics also show overall improvement as illustrated in Table 2-5. During the period for which data are available, the 24-hour national annual average decreased by almost 45 percent, from 103.7 µg/m³ in 1989 to 57.6 µg/m³ in 2014. Although the values in the late 1990's show some variability, this is probably due to meteorology rather than a change in emissions. Despite the overall decrease, ambient concentrations still exceed the State annual and 24-hour PM₁₀ standards. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM₁₀ standards has also shown an overall drop. During 1995, there were 25 calculated days above the national standard. By 2014, there was one calculated national standard exceedance days (19).

Table 2-6 shows the most recent 24-hour average PM_{2.5} concentrations (national) in the SCAB from 1999 through 2014. Overall, the annual average concentrations have decreased by almost 52 percent. The calculated number of days above the national standard also decreased, from about 88 days in 1999 to about 9 days in 2014. The SCAB is currently designated as nonattainment

for the State and national PM_{2.5} standards. Measures adopted as part of the upcoming PM_{2.5} SIP, as well as programs to reduce ozone and diesel PM will help in reducing public exposure to PM_{2.5} in this region.

The most recent Carbon dioxide concentrations in the SCAB 1986 are shown in Table 2-7 (20). Carbon monoxide concentrations in the SCAB have decreased markedly — a total decrease of more about 80 percent in the peak 8-hour concentration since 1986. The number of exceedance days has also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

TABLE 2-4: SOUTH COAST AIR BASIN OZONE TREND

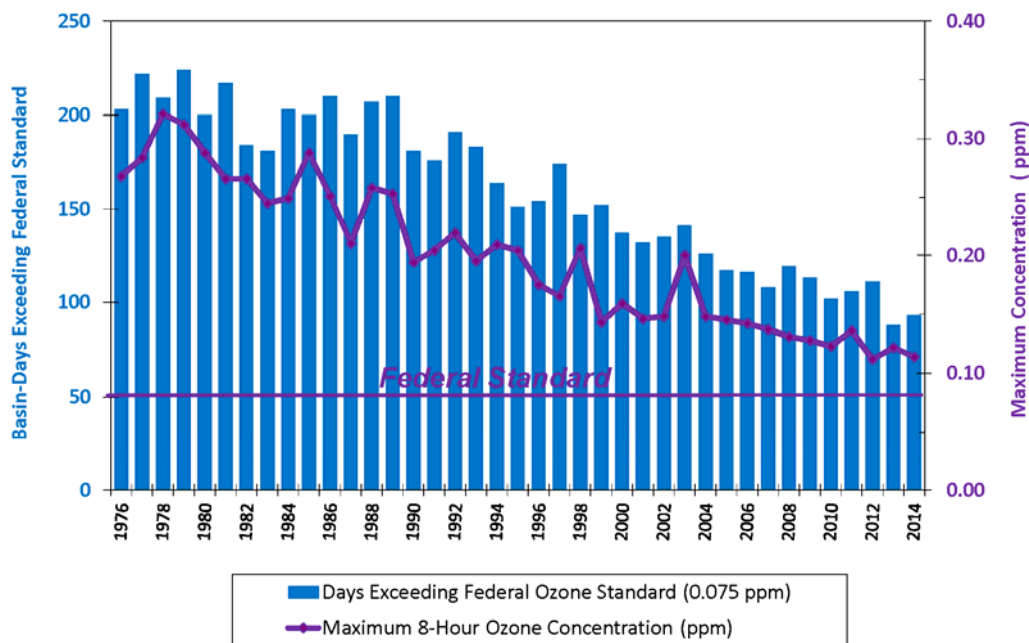


TABLE 2-5: SOUTH COAST AIR BASIN PM10 TREND

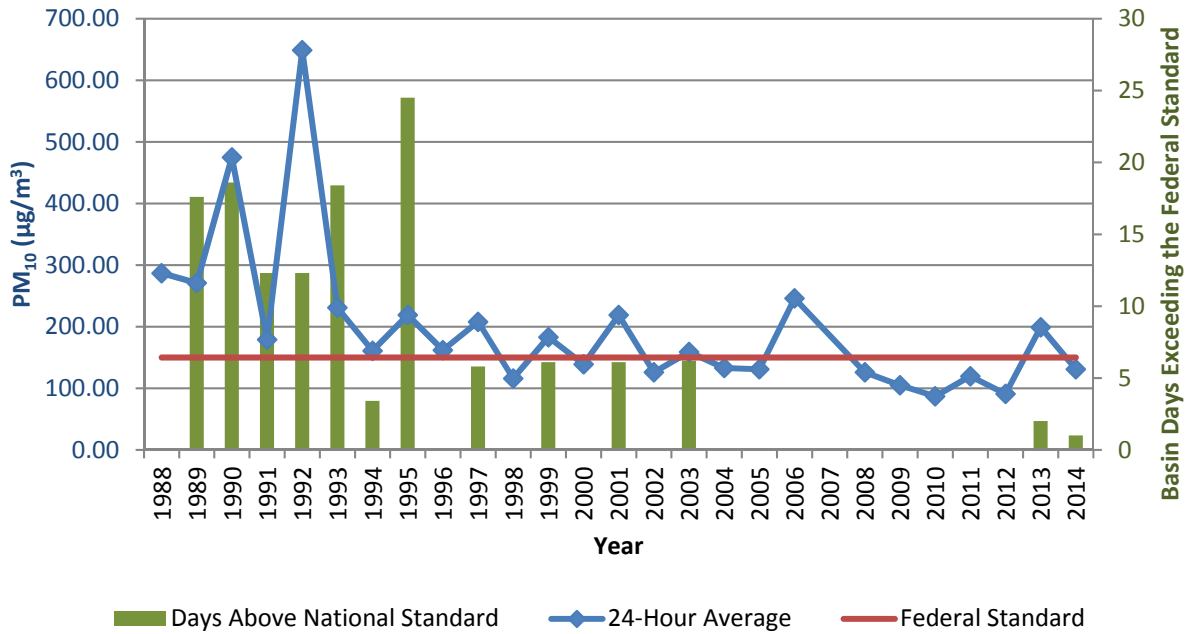


TABLE 2-6: SOUTH COAST AIR BASIN PM2.5 TREND

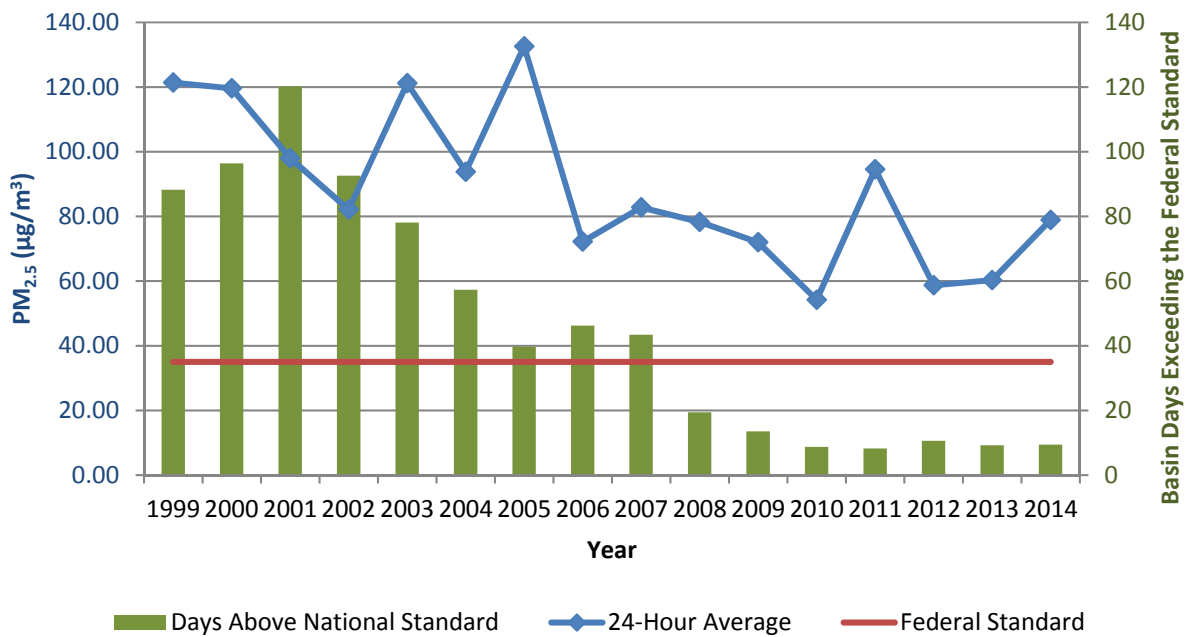
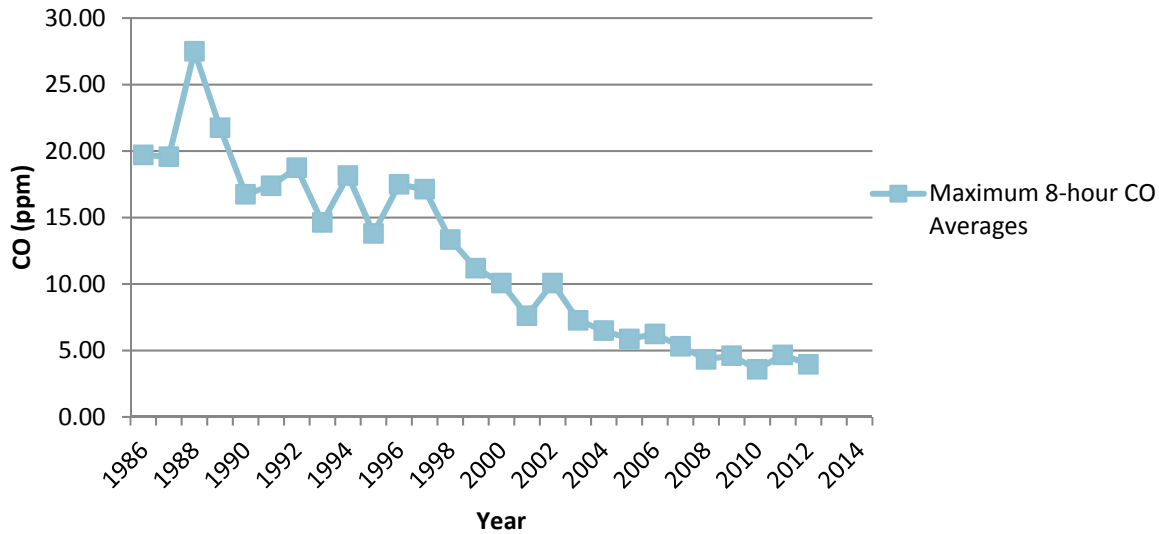


TABLE 2-7: SOUTH COAST AIR BASIN CARBON MONOXIDE TREND

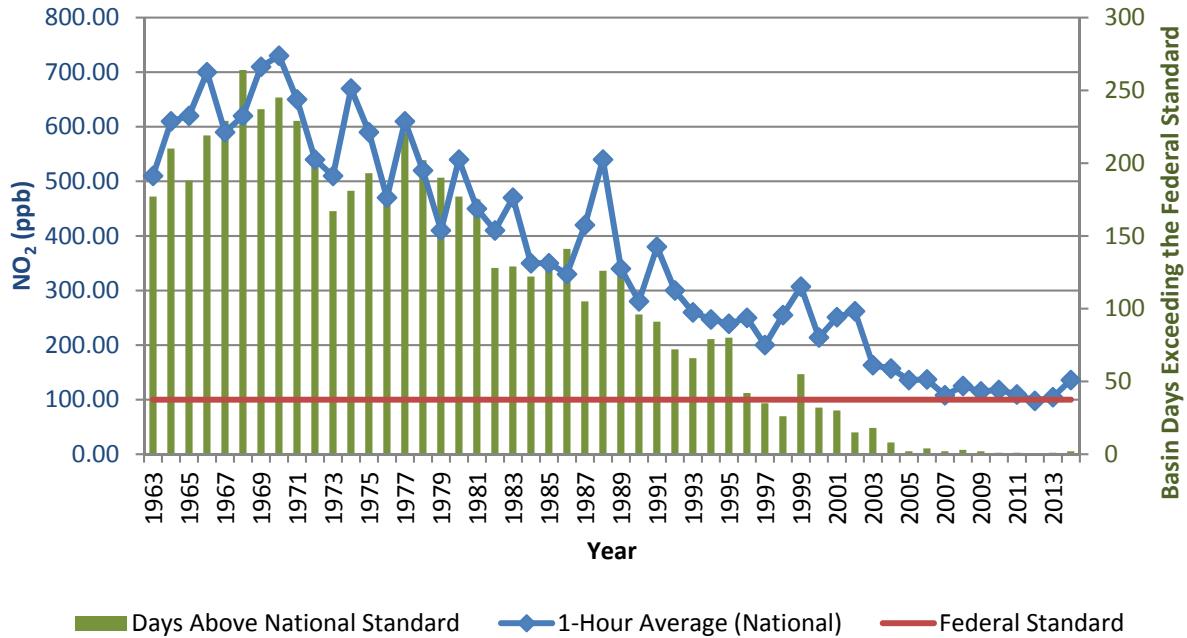
Part of the control process of the SCAQMD's duty to greatly improve the air quality in the Basin is the uniform CEQA review procedures required by SCAQMD's CEQA Handbook (21). The single threshold of significance used to assess Project direct and cumulative impacts has in fact "worked" as evidenced by the track record of the air quality in the Basin dramatically improving over the course of the past decades. As stated by the SCAQMD the District's thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

The most recent NO₂ data for the SCAB is shown in Table 2-8 (20). Over the last 50 years, NO₂ values have decreased significantly; the peak 1-hour average for 2013 was almost 74 percent lower than what it was during 1963. The SCAB attained the State 1-hour NO₂ standard in 1994, bringing the entire State into attainment. A new state annual average standard of 0.030 parts per million was adopted by the ARB in February 2007 (22). The new standard is just barely exceeded in the South Coast. NO₂ is formed from NO_x emissions, which also contribute to ozone. As a result, the majority of the future emission control measures will be implemented as part of the overall ozone control strategy. Many of these control measures will target mobile sources, which account for more than three-quarters of California's NO_x emissions. These measures are expected to bring the South Coast into attainment of the State annual average standard.

The American Lung Association website includes data collected from State air quality monitors that are used to compile an annual State of the Air report. These reports have been published over the last 13 years. The latest State of the Air Report compiled for the Basin was in 2010 (23). As noted in this report, air quality in the Basin has significantly improved in terms of both pollution levels and high pollution days over the past three decades. The area's average number of high ozone days dropped from 189.5 day per year in the initial 2000 State of the Air report

(1996–1998) to 141.8 in the 2006–2008 report. The region has seen dramatic reduction in particle pollution since the initial State of the Air report (23).

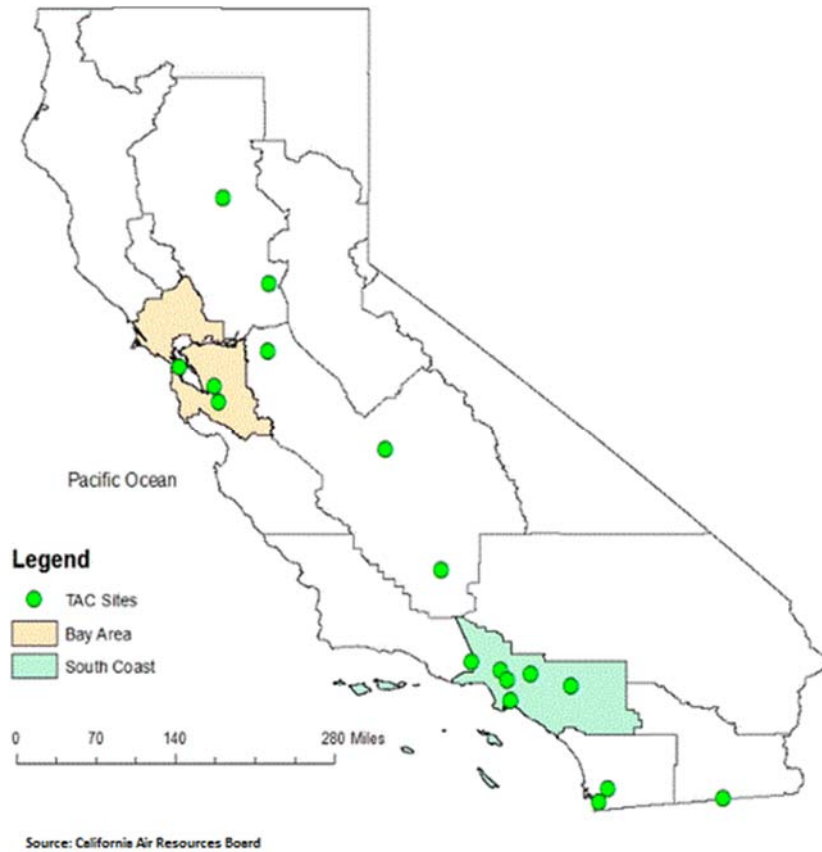
TABLE 2-8: SOUTH COAST AIR BASIN NITROGEN DIOXIDE TREND



TOXIC AIR CONTAMINANTS (TACS) TRENDS

In 1984, as a result of public concern for exposure to airborne carcinogens, the CARB adopted regulations to reduce the amount of air toxic contaminant emissions resulting from mobile and area sources, such as cars, trucks, stationary products, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (24). The seven TACs studied shown below include those that are derived from mobile sources: diesel particulate matter (DPM), benzene, and 1,3-butadiene; those that are derived from stationary sources: perchloroethylene and hexavalent chromium; and those derived from photochemical reactions of emitted VOCs: formaldehyde and acetaldehyde². TACs data was gathered at monitoring sites from both the Bay Area and South Coast Air Basins, as shown on Exhibit 2-A; Several of the sites in the SCAB include Reseda, Compton, Rubidoux, Burbank, and Fontana. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

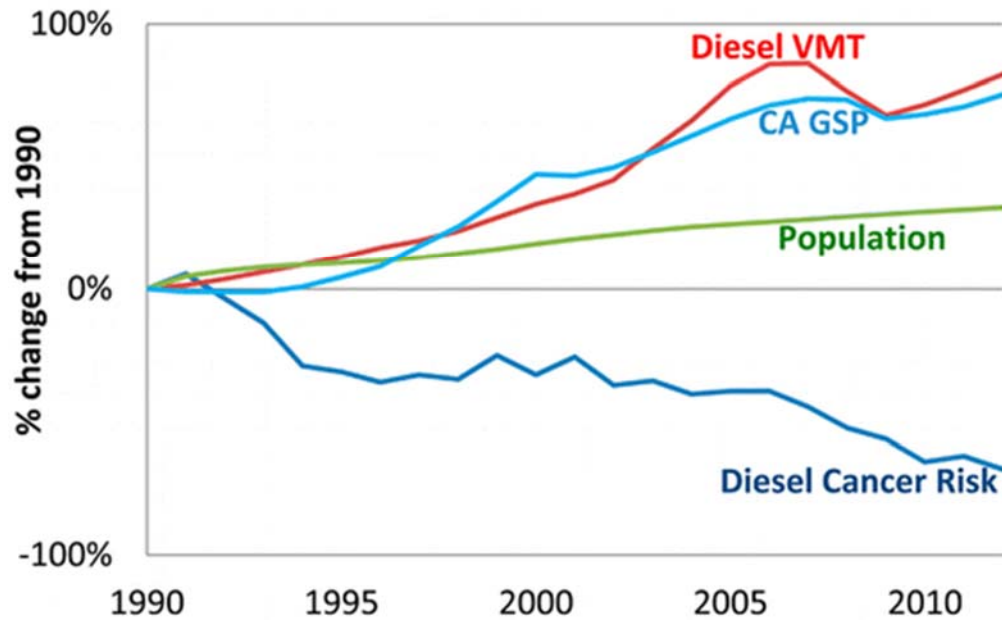
² It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

EXHIBIT 2-A: CALIFORNIA TOXIC AIR CONTAMINANT SITES**Mobile Source TACs**

The CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. Since 1996, light-duty vehicles sold in California are equipped with California's second-generation On-Board Diagnostic (OBD-II) system as a result of about half of total car emissions stemming from emissions control device malfunctions. CARB's phase II Reformulated Gasoline (RFG-2) regulation, adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the motor vehicle regulations (24).

In 2000, CARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68%, even though the state's population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-B. With the implementation of these diesel-related control regulations, ARB expects a DPM decline of 71% for 2000-2020.

EXHIBIT 2-B: DIESEL PARTICULATE MATTER AND DIESEL VEHICLE MILES TREND
California Population, Gross State Product (GSP),
Diesel Cancer Risk, Diesel Vehicle-Miles-Traveled (VMT)



Source: California Air Resources Board

Stationary Source TACs

Various regulations led to a decrease in perchloroethylene and hexavalent chromium, with a 92% and 86% decline, respectively. By 1993, several local air districts required dry cleaning businesses to use a carbon absorber and refrigerated condenser, as well as, dry-to-dry machines and closed-looped machines instead of vented transfer machines. Starting in 2003, California provided financial incentives for dry cleaners to use other solvents and soon after, the CARB banned the use of perchloroethylene in automotive products, aerosol coatings, and most consumer products. In 2007, CARB's dry cleaning regulation was amended to require phase-out of perchloroethylene machines by 2023, which would further reduce emissions to minimal levels (24).

Hexavalent chromium emissions began to decline in 1988 with the ARB-regulated regulations contributing to more than 97% emission reduction within four years. The various regulations include prohibiting the use of hexavalent chromium in cooling towers (1989), in motor vehicle and mobile equipment coatings (2001), and in thermal spraying operations (2005). By 2005, hexavalent chromium emissions were 99.97% less than in 1987, far exceeding expectations. In 2006, hexavalent chromium emissions were further reduced with the 2006 ARB regulation requiring add-on air pollution control devices and chemical fume suppressants.

Secondary TACs

Between 1996-2012, ambient concentrations of formaldehyde and acetaldehyde declined 22% and 21%, respectively. The decline in these TACs are attributed from increasingly stringent motor vehicle exhaust emission standards, vehicle fleet turnover, fuel reformulation, and the switch from MTBE (formaldehyde precursor) to ethanol in gasoline (24).

As previously discussed, ambient and emissions levels of TACs have reduced significantly from 1990-2012. The overall declining trend in TACs is expected to continue in California from implementation of toxic air controls.

DIESEL REGULATIONS

The CARB and the Ports of Los Angeles and Long Beach have adopted several iterations of regulations for diesel trucks that are aimed at reducing diesel particulate matter (DPM). More specifically, the CARB Drayage Truck Regulation (25), the CARB statewide On-road Truck and Bus Regulation (26), and the Ports of Los Angeles and Long Beach “Clean Truck Program” (CTP) require accelerated implementation of “clean trucks” into the statewide truck fleet (27). In other words, older more polluting trucks will be replaced with newer, cleaner trucks as a function of these regulatory requirements.

Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HHDT), in terms of grams of DPM generated per mile traveled, will dramatically be reduced due to the aforementioned regulatory requirements.

Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

CANCER RISK TRENDS

Based on information available from CARB, overall cancer risk throughout the basin has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, the State of California Air Resources Board (ARB) identified particulate matter from diesel-fueled engines as a toxic air contaminant. The SCAQMD initiated a comprehensive urban toxic air pollution study, called MATES-II (for Multiple Air Toxics Exposure Study). Diesel particulate matter (DPM) accounts for more than 70 percent of the cancer risk.

In 2008 the SCAQMD prepared an update to the MATES-II study, referred to as MATES-III. MATES-III estimates the average excess cancer risk level from exposure to TACs is an approximately 17% decrease in comparison to the MATES-II study.

Nonetheless, the SCAQMD’s most recent in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California was from the Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV,” which shows that cancer risk has decreased more than 55% between MATES III (2005) and MATES IV (2012) (25).

MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV calculated cancer risks based on monitoring data collected at ten fixed sites within the South

Coast Air Basin (SCAB). None of the fixed monitoring sites are within the local area of the Project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. MATES-IV modeling predicted an excess cancer risk of 538.56 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68% of the total risk shown in MATES-IV. Cumulative Project generated TACs are limited to DPM.

3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

The Project has been evaluated to determine if it will violate an air quality standard or contribute to an existing or projected air quality violation. Additionally, the Project has been evaluated to determine if it will result in a cumulatively considerable net increase of a criteria pollutant for which the SCAB is non-attainment under an applicable federal or state ambient air quality standard. The significance of these potential impacts is described in the following section.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the Initial Study Checklist in Appendix G of the State CEQA Guidelines (14 California Code of Regulations §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (28):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Violate any air quality standard or contribute to an existing or projected air quality violation.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors).
- Expose sensitive receptors to substantial pollutant concentrations.
- Create objectionable odors affecting a substantial number of people.

The SCAQMD has also developed regional and localized thresholds for criteria pollutants, as summarized at Table 3-1 (29). The SCAQMD's CEQA Air Quality Significance Thresholds (March 2015) indicate that any projects in the SCAB with daily or localized emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 3-1: MAXIMUM DAILY EMISSIONS THRESHOLDS

Pollutant	Construction	Operations
Regional Thresholds		
NOx	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM10	150 lbs/day	150 lbs/day
PM2.5	55 lbs/day	55 lbs/day
Sox	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day
Localized Thresholds		
NOx	0.18 ppm	0.18 ppm
PM10	10.4 µg/m ³	2.50 µg/m ³
PM2.5	10.4 µg/m ³	2.50 µg/m ³
CO	20 ppm (1-Hour); 9.0 ppm (8-Hour)	20 ppm (1-Hour); 9.0 ppm (8-Hour)

3.3 PROJECT-RELATED SOURCES OF POTENTIAL IMPACT

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

On October 2, 2013, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) released the latest version of the California Emissions Estimator Model™ (CalEEMod™) v2013.2.2. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (NO_x, VOC, PM₁₀, PM_{2.5}, SO_x, and CO) and greenhouse gas (GHG) emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (30). Accordingly, the latest version of CalEEMod™ has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendix 3.2.

3.4 CONSTRUCTION EMISSIONS

Construction activities associated with the Project will result in emissions of CO, VOCs, NO_x, SO_x, PM₁₀, and PM_{2.5}. Construction related emissions are expected from the following construction activities:

- Demolition
- Grading/Blasting
- Underground Utilities
- Building Construction
- Landscape
- Paving & Site Finishes

- Architectural Finishes

Construction is expected to commence in January 2016 and will last through November 2017. Based on consultation with the client, it is assumed no overlap of construction phases will occur. Construction duration by phase is shown on Table 3-2. The construction schedule utilized in the analysis represents a “conservative” analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as the analysis year increases. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Site specific construction fleet may vary due to specific project needs at the time of construction. The duration of construction activity was estimated based on consultation with the applicant and a 2017 opening year. Associated equipment was estimated based on consultation with the applicant and past project experience. Please refer to specific detailed modeling inputs/outputs contained in Appendix 3.2 of this analysis. A detailed summary of construction equipment assumptions by phase is provided at Table 3-3. It should be noted that the construction equipment estimates provided at Table 3-3 represent a “conservative” (i.e. overestimation) of actual construction equipment that will likely be used during construction activities.

Dust is typically a major concern during rough grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions”. Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). The CalEEMod model was utilized to calculate fugitive dust emissions resulting from this phase of activity. It is our understanding that the Project will require approximately 2,500 square feet of demolition. Haul trips associated with the demolition phase is based on CalEEMod model defaults. The Project shall comply with SCAQMD rules and regulations regarding handling and disturbances of toxics, such as asbestos and lead-based paint, that may be encountered during building materials and demolition. Inspections for these hazardous materials shall be performed prior to any demolition activities and compliance with the applicable rules and regulations, such as Rule 1403 for asbestos removal, will be required.

Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the Project site) were estimated based on information from the applicant and the CalEEMod model.

The construction of the proposed Project will include blasting of hard rock areas, which is a source of potential fugitive dust. Blasting associated with Project construction is expected to occur in the southwestern portion of the Building D and E site boundaries, adjacent to existing residential homes located south of the Project site. Based on the excavation plans prepared on June 16th, 2015 by the Henry-Ann Company, the rock blasting within the Project site is expected to include the drilling of up to 5,253 holes in the largest area, in which small charges are placed to fragment the rocks into smaller, crushable pieces. It is estimated that 112,090 cubic yards of rock will be crushed on-site. An electric rock crusher will further break down the fragmented rocks and will be powered by a 300 horsepower diesel generator, which will take place during the grading phase of construction activities.

Based on discussion with the Project engineers at Henry-Ann Company, an average of 5,000 square foot (SF) surface area for blasting per day is a reasonable working estimate for analytical purposes. Fugitive dust emissions during blasting activities were estimated using the US EPA AP-42 emission factor (Table 11.9-1, on Page 11.9-5 from AP-42) (31).

Additionally, fugitive dust emissions will also be generated through the crushing of rock on-site. The US EPA's AP-42 compilation of emission factors available in Chapter 11.19.2-2 were used to estimate fugitive dust from rock crushing activities. Based on discussion with the applicant and applicant's engineer, it is estimated that approximately 2,759.14 tons per day would be processed during crushing activities for an approximate duration of 65 working days concurrent with grading activity. Detailed blasting and crushing calculations are provided in Appendix 3.3 for review. Per discussion with the applicant, it is not expected that a detailed crushing operation will be utilized. Therefore, it is not expected that the Project will need to utilize a grinder and a conveyor making base. On-site construction equipment in Table 3-3 is expected to move crushed material within the Project site. The emissions associated with the on-site movement of material are thus adequately captured within the analysis due to the fact that the scrapers, dozers, and loaders necessary to move blast/crushed material within the Project site are included in CalEEMod and their associated fugitive dust emissions are included in the analysis.

TABLE 3-2: CONSTRUCTION DURATION

Phase	Duration (working days)
Demolition	10
Grading (Including Blasting)	65
Underground Utilities	45
Building Construction	225
Landscape	40
Paving & Site Finishes	75
Architectural Finishes	75

TABLE 3-3: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Activity	Equipment	Number	Hours Per Day
Demolition	Concrete/Industrial Saws	1	8
	Excavators	3	8
	Rubber Tired Dozers	2	8
Grading (Including Blasting)	Excavators	1	8
	Generator Sets	1	8
	Graders	1	8
	Water Trucks	2	8
	Rubber Tired Dozers	5	8
	Scrapers	8	8
	Tractors/Loaders/Backhoes	2	8
Underground Utilities	Excavators	3	8
	Off-Highway Trucks	2	8
	Rubber Tired Dozers	1	8
	Rubber Tired Loaders	1	8
Building Construction	Cranes	1	8
	Forklifts	2	8
	Generator Sets	3	8
	Other Construction Equipment	1	8
	Tractors/Loaders/Backhoes	3	8
	Welders	6	8
Landscaping	Tractors/Loaders/Backhoes	1	8
Paving & Site Finishes	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coatings	Air Compressors	2	8
	Aerial Lifts	4	8

3.4.1 CONSTRUCTION EMISSIONS SUMMARY

Impacts Without BACMs and Mitigation

The estimated maximum daily construction emissions without mitigation are summarized on Table 3-4. Detailed construction model outputs are presented in Appendix 3.2. Under the assumed scenarios, emissions resulting from the Project construction will exceed criteria pollutant thresholds established by the SCAQMD for emissions of VOCs (before mitigation). It

should be noted that the impacts without Best Available Control Measures (BACMs) do not take credit for reductions achieved through BACMs and standard regulatory requirements (SCAQMD's Rule 403).

TABLE 3-4: EMISSIONS SUMMARY OF OVERALL CONSTRUCTION (WITHOUT MITIGATION)

Year	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
2016	22.35	264.67	170.94	0.23	51.04	28.15
2017	48.06	71.12	100.97	0.22	14.82	6.53
Maximum Daily Emissions	48.06	264.67	170.94	0.23	51.04	28.15
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	YES	NO	NO	NO	NO

Impacts With BACMs and Mitigation

The estimated maximum daily construction emissions with mitigation are summarized on Table 3-5. Detailed construction model outputs are presented in Appendix 3.2. Best available control measures BACM AQ-1 and BACM AQ-2 and mitigation measures MM AQ-1 are recommended to reduce the severity of the impact. After implementation of the best available control measures, standard regulatory requirements, and the recommended mitigation measures, construction activity emissions will not exceed the numerical thresholds established by the SCAQMD for criteria pollutants. Thus a less than significant impact would occur with implementation of the applicable mitigation measures.

TABLE 3-5: EMISSIONS SUMMARY OF OVERALL CONSTRUCTION (WITH MITIGATION)

Year	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
2016	13.46	80.10	110.59	0.23	18.72	9.78
2017	48.06	71.12	100.97	0.22	14.81	6.53
Maximum Daily Emissions	48.06	80.10	110.59	0.23	18.72	9.78
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	NO	NO	NO	NO	NO	NO

3.5 OPERATIONAL EMISSIONS

Operational activities associated with the proposed Project will result in emissions of VOCs, NO_x, CO, SO_x, PM₁₀, and PM_{2.5}. Operational emissions would be expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions

- On-Site Equipment Emissions

3.5.1 AREA SOURCE EMISSIONS

Architectural Coatings

Over a period of time the buildings that are part of this Project will be subject to emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings as part of Project maintenance. The emissions associated with architectural coatings were calculated using the CalEEMod model.

Consumer Products

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within the CalEEMod model.

Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in the CalEEMod model.

3.5.2 ENERGY SOURCE EMISSIONS

Combustion Emissions Associated with Natural Gas and Electricity

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity is generally excluded from the evaluation of significance and only natural gas use is considered. The emissions associated with natural gas use were calculated using the CalEEMod model.

3.5.3 MOBILE SOURCE EMISSIONS

Vehicles

Project operational (vehicular) impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations. Project-related operational air quality impacts derive predominantly from mobile sources (vehicles). Trip characteristics available from the report, Knox Business Park Traffic Impact Analysis (Urban Crossroads) 2015 were utilized in this analysis (32).

The trip generation rates, as derived from the traffic study, are based upon data collected by the ITE for high-cube warehouse/distribution center (ITE Land Use Code 152) in their published *Trip Generation* manual, 9th Edition, 2012. High-cube warehouse/distribution centers (ITE Land Use Code 152) are a unique land use type within the larger, more generalized industrial land use category. ITE's most recent edition of the *Trip Generation* manual (ITE 9th Edition), published in 2012, defines "high-cube warehouses" as "...used for storage of materials, goods and merchandise prior to their distribution to retail outlets, distribution centers or other warehouses. These facilities are typically characterized by ceiling heights of at least 24 feet with small employment counts due to a high level of mechanization." The average square footage for the sites surveyed for high-cube warehouse/distribution center (Land Use 152) use is above 500,000 square feet. The number of sites observed in the compilation of this data ranges from 57-70 sites of which more than 20 sites exceed 1,000,000 square feet in gross floor area. The weighted average daily trip generation rate for high-cube warehouse (Land Use 152) use is 1.68 trips per thousand square feet (TSF).

The ITE *Trip Generation* manual includes data regarding the types of vehicles that are generated (passenger cars and trucks), but provides no guidance on vehicle mix (different sizes of trucks). While trucks, as a percentage of total traffic, has been based on the ITE *Trip Generation* manual, data regarding the vehicle mix has been obtained from a separate report; the South Coast Air Quality Management District's (SCAQMD) recent Warehouse Truck Trip Study (33). The SCAQMD is currently recommending the use of the ITE Trip Generation manual in conjunction with their truck mix by axle- type to better quantify trip rates associated with local warehouse and distribution projects, as truck emission represent more than 90 percent of air quality impacts from these projects. This recommended procedure has been utilized for the purposes of this analysis in effort to be consistent with other technical studies prepared for the Project.

It should be noted that the Project's traffic study presents the total Project vehicle trips in terms of Passenger Car Equivalent (PCEs) and actual vehicles in an effort to recognize and acknowledge the effects of heavy vehicles at the study area intersections. Notwithstanding, for purposes of the air quality study, the PCE trips were not used. Rather, to more accurately estimate and model vehicular-source emissions, the estimated number of actual vehicles, by vehicle classification (e.g., passenger cars (including light trucks), heavy trucks) were used in the analysis. The vehicle fleet mix, in terms of actual vehicles, as derived from the traffic study for the Project is comprised of approximately 61.90% passenger cars and approximately 38.10% total trucks. For analysis purposes 22.03% of all trucks are assumed to be Light-Heavy-Duty (LHD), 17.66% of all trucks are assumed to be Medium-Heavy-Duty (MHD), and 60.31% of all trucks are assumed to be Heavy-Heavy-Duty (HHD) (32). The Project was input as a single category or type of land-use (Unrefrigerated Warehouse-No Rail) in the CalEEMod™ emissions inventory model. The resulting estimated vehicle-source emissions are summarized at Table 3-6.

3.5.3.1 Trip Length

Background

A limitation inherent in calculating the projected vehicle emissions associated with any project is related to the estimation of trip length and vehicle miles traveled (VMT). VMT for a given project

is calculated by the total number of vehicle trips to/from the Project x average trip length. This method of estimating VMT for use in calculating vehicle emissions likely results in the over-estimation and double-counting of emissions because, for a distribution warehouse center such as the Project, the land use is likely to attract (divert) existing vehicle trips that are already on the circulation system as opposed to generating new trips. In this regard, the Project would, to a large extent, redistribute existing mobile-source emissions rather than generate additional emissions within the Basin. As such, the estimation of the Project's vehicular-source emissions is likely overstated in that no credit for, or reduction in, emissions is assumed based on diversion of existing trips.

Provided below is a summary of the VMT recommendations of the SCAQMD and SCAG, followed by a description of the methodology used to calculate the VMT rates used in this AQIA.

SCAQMD Recommendation

In the last five years, the SCAQMD has provided numerous comments on the trip length for warehouse/distribution and industrial land use projects (34). The SCAQMD asserts that the model-default trip length in CalEEMod™ and the URBan EMISsions (URBEMIS) 2007 model (version 9.2.4) would underestimate emissions. The SCAQMD asserts that for warehouse, distribution center, and industrial land use projects, most of the heavy-duty trucks would be hauling consumer goods, often from the Ports of Long Beach and Los Angeles (POLA and POLB) and/or to destinations outside of California. The SCAQMD states that for this reason, the CalEEMod™ and the URBan EMISsions model default trip length (approximately 12.6 miles) would not be representative of activities at like facilities. The SCAQMD generally recommends the use of a 40-mile one-way trip length.

Southern California Association of Government (SCAG) Heavy Duty Truck Model

SCAG is comprised of six counties (Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura) and 190 cities in Southern California, and is the organization charged with addressing and resolving short- and long-term regional policy issues. The SCAG region also consists of 14 subregional entities recognized by the Regional Council as partners in the regional policy planning process. The SCAG region has more than 19 million residents and encompasses more than 38,000 square miles, representing the largest and most diverse region in the country.

SCAG maintains a regional transportation model. In its most recent (2008) transportation validation for the 2003 Regional Model, SCAG indicates the average internal truck trip length for the SCAG region is 5.92 miles for Light Duty Trucks, 13.06 miles for Medium Duty Trucks, and 24.11 miles for Heavy Duty Trucks.

Approach for Analysis of the Project

Trip lengths and VMT estimates employed in this AQIA report generate vehicular-source emissions that would represent a maximum impact scenario. Other Environmental Impact Reports (EIRs) for similar land use projects within the region have utilized these same or similar estimates (35) (36) (37). To maintain analytic consistency and establish the maximum impact

scenario noted above, the following approach has been utilized in calculating emissions associated with vehicles accessing the Project.

For passenger car trips, the CalEEMod default for a one-way trip length of 16.6 miles was assumed. For heavy duty trucks, an average trip length was derived from distances from the Project site to the far edges of the South Coast Air Basin (SCAB) as follows. It is appropriate to stop the VMT calculation at the boundary of the SCAB because any activity beyond that boundary would be speculative, this approach is also consistent with professional industry practice.

- Project site to the Port of Los Angeles/Long Beach: 80 miles;
- Project site to East on State Route 60: 30 miles;
- Project site to San Diego County line: 60 miles;
- Project site to Inland Empire: 50 miles;
- Project site to Perris destinations: 10 miles;
- Project site to Moreno Valley destinations: 10 miles;

Assuming that 50% of all delivery trips will travel to and from the Project and the Port of Los Angeles/Long Beach, 10% go East on the State Route 60, 20% go to San Diego, 10% go to the Inland Empire, 5% go to Perris destinations and the remainder as Moreno Valley destinations. The average truck trip length is calculated as 61 miles.

Two separate model runs were utilized in order to more accurately model emissions resulting from vehicle operations. The first run analyzed passenger car emissions, which incorporated a default trip length of 16.6 miles for passenger cars and a fleet mix of 100% Light-Duty-Auto vehicles (LDA). The second run analyzed truck emissions, which incorporated an average truck trip length of 61 miles and a fleet mix of 22.03% LHD, 17.66% MHD, and 60.31% HHD. The estimated emissions resulting from vehicle operations are summarized in Tables 3-6 and 3-7 (presented later in this report.) Detailed emission calculations are provided in Appendix 3.2.

Fugitive Dust Related to Vehicular Travel

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of tire wear particulates. The emissions estimates for travel on paved roads were calculated using the CalEEMod model.

3.5.4 ON-SITE EQUIPMENT EMISSIONS

It is common for an industrial warehouse project to require cargo handling equipment to move empty containers and empty chassis to and from the various pieces of cargo handling equipment that receive and distribute containers. The most common type of cargo handling equipment is the yard truck which is designed for moving cargo containers. Yard trucks are also known as yard goats, utility tractors (UTRs), hustlers, yard hostlers, and yard tractors. Yard trucks have a horsepower (hp) range of approximately 175 hp to 200 hp (38). Based on the latest available information from SCAQMD (39); high-cube warehouse projects typically have 3.6 yard trucks per million square feet of building space. For this particular Project, on-site modeled operational

equipment includes five yard tractors operating at 4 hours a day (40) for 365 days of the year³. In addition to the use of yard trucks operating at the Project site, forklifts are a common piece of equipment used in warehouse operations. The Project includes five 89 hp yard forklifts operating at 4 hours a day for 365 days of the year interior to the building. However for purposes of the AQIA, forklifts are not included in the health risk calculations since there is no diesel exhaust associated with the forklifts as they are assumed to be non-diesel consistent with industry standards.

As part of the Project's design, all on-site outdoor cargo handling equipment (CHE) (i.e yard trucks, hostlers, yard goats, pallet jacks, forklifts, and other on-site equipment) will be powered by diesel fueled engines that comply with the California Air Resources Board (CARB)/U.S. EPA Tier IV Engine standards for off-road vehicles or better (defined as less than or equal to 0.015 g/bhp-hr for PM10) and all on-site indoor forklifts shall be powered by electricity, compressed natural gas, or propane.

It is currently unknown if the Project will consist of additional on-site sources, such as boilers and/or generators.

3.5.5 OPERATIONAL EMISSIONS SUMMARY

Impacts Without Mitigation

Operational-source emissions without implementation of mitigation measures are summarized on Table 3-6. For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs and NO_x. Mitigation measures (MM AQ-3 through MM AQ-8) are recommended to reduce the severity of the impact.

³ 4 hour daily on-site operation of the yard trucks is based on the Southern California International Gateway Recirculated Draft EIR. Table C1.2-BL-17 *Activity Data for Existing Business CHE – 2010 Baseline* indicates that the average annual hours of operation for all diesel Container Handling Equipment, Forklifts, and Yard Tractors totaled 72,187 annual operating hours. The total number of pieces of equipment equals 52. As such, $72,187/52 = 1,388$ annual hours per piece of equipment. $1,388 \text{ annual hours per piece of equipment}/365 \text{ days} = \text{an average of } 3.80 \text{ hours per day per piece of equipment}$. As a conservative measure this is rounded up to 4 hours for analytical purposes.

TABLE 3-6: SUMMARY OF PEAK OPERATIONAL EMISSIONS (WITHOUT MITIGATION)

Operational Activities – Summer Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area Source	49.48	3.28e-3	0.35	3.00e-5	1.25e-3	1.25e-3
Energy Source	0.07	0.61	0.51	3.63e-3	0.05	0.05
Mobile (Trucks)	18.42	400.49	171.81	1.25	47.59	18.23
Mobile (Passenger Cars)	2.58	2.71	37.33	0.12	11.77	3.16
On-Site Equipment	1.48	17.75	7.38	0.02	0.81	0.74
Maximum Daily Emissions	72.03	421.56	217.38	1.39	60.22	22.18
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

Operational Activities – Winter Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area Source	49.48	3.28e-3	0.35	3.00e-5	1.25e-3	1.25e-3
Energy Source	0.07	0.61	0.51	3.63e-3	0.05	0.05
Mobile (Trucks)	18.73	417.22	180.90	1.25	47.59	18.24
Mobile (Passenger Cars)	2.41	2.87	31.99	0.11	11.77	3.16
On-Site Equipment	1.48	17.75	7.38	0.02	0.81	0.74
Maximum Daily Emissions	72.17	438.45	221.13	1.38	60.22	22.19
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

Impacts With Mitigation

Operational-source emissions with implementation of mitigation measures are summarized on Table 3-7. For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs and NO_x. As shown in Section 4.6 of this report, no feasible mitigation measures exist that would reduce these emissions to levels that are less-than-significant. Thus a significant impact would occur even with implementation of the proposed mitigation measures (MM AQ-3 through MM AQ-8). Project operational-source VOC and NO_x emissions exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable.

TABLE 3-7: SUMMARY OF PEAK OPERATIONAL EMISSIONS (WITH MITIGATION)

Operational Activities – Summer Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area Source Emissions	49.48	3.28e-3	0.35	3.00e-5	1.25e-3	1.25e-3
Energy Source Emissions	0.06	0.58	0.48	3.45e-3	0.04	0.04
Mobile Emissions (Trucks)	18.42	400.49	171.81	1.25	47.59	18.23
Mobile Emissions (Passenger Cars)	2.57	2.69	36.99	0.12	11.65	3.13
On-Site Equipment	1.48	17.75	7.38	0.02	0.81	0.74
Maximum Daily Emissions	72.01	421.51	217.01	1.39	60.09	22.14
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

Operational Activities – Winter Scenario	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Area Source Emissions	49.48	3.28e-3	0.35	3.00e-5	1.25e-3	1.25e-3
Energy Source Emissions	0.06	0.58	0.48	3.45e-3	0.04	0.04
Mobile Emissions (Trucks)	18.73	417.22	180.90	1.25	47.59	18.24
Mobile Emissions (Passenger Cars)	2.41	2.85	31.72	0.11	11.65	3.13
On-Site Equipment	1.48	17.75	7.38	0.02	0.81	0.74
Maximum Daily Emissions	72.16	438.40	220.83	1.38	60.09	22.15
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO

3.6 LOCALIZED SIGNIFICANCE - CONSTRUCTION ACTIVITY

BACKGROUND ON LOCALIZED SIGNIFICANCE THRESHOLD (LST) DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (Methodology) (41). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The significance of localized emissions impacts depends on whether ambient levels in the vicinity of any given project are above or below State standards. In the case of CO and NO₂, if ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a state or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM₁₀ and PM_{2.5}; both of which are non-attainment pollutants and have thresholds that have an allowable

measurable change of 10.4 $\mu\text{g}/\text{m}^3$ for construction-source and 2.5 $\mu\text{g}/\text{m}^3$ for operational-source emissions (see Tables 3-10 and 3-11).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology) (42).

APPLICABILITY OF LSTs FOR THE PROJECT

For this Project, the appropriate Source Receptor Area (SRA) for the LST is the Perris SRA (SRA 24). LSTs apply to carbon monoxide (CO), nitrogen dioxide (NO₂), particulate matter ≤ 10 microns (PM₁₀), and particulate matter ≤ 2.5 microns (PM_{2.5}). The SCAQMD produced look-up tables for projects less than or equal to 5 acres in size.

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

- The CalEEMod model is utilized to determine the maximum daily on-site emissions that will occur during construction activity.
- The SCAQMD's Fact Sheet for Applying CalEEMod to Localized Significance Thresholds (43) is used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod.
- If the total acreage disturbed is less than or equal to five acres per day, then the SCAQMD's screening look-up tables are utilized to determine if a Project has the potential to result in a significant impact (the SCAQMD recommends that Projects exceeding the screening look-up tables undergo dispersion modeling to determine actual impacts). The look-up tables establish a maximum daily emissions threshold in pounds per day that can be compared to CalEEMod outputs.

EMISSIONS CONSIDERED

SCAQMD's Methodology clearly states that "off-site mobile emissions from the Project should NOT be included in the emissions compared to LSTs (44)." Therefore, for purposes of the construction LST analysis only emissions included in the CalEEMod "on-site" emissions outputs were considered.

MAXIMUM DAILY DISTURBED-ACREAGE

Table 3-8 is used to determine the maximum daily disturbed-acreage for use in determining the applicability of the SCAQMD's LST look-up tables. Based on Table 3-8, the proposed Project could actively disturb approximately 11.0 acres per day during the grading phase of construction. As such, dispersion modeling is utilized to calculate emissions for LSTs for peak grading activity which represents a conservative i.e. "worst-case" analytical scenario for purposes of construction LSTs.

TABLE 3-8 MAXIMUM DAILY DISTURBED-ACREAGE

Construction Phase	Equipment Type	Number of Equipment	Acres graded per 8 hour day	Hours per day	Total Acres Graded
Grading	Graders	1	0.5	8	0.5
	Rubber Tired Dozers	5	0.5	8	2.5
	Scrapers	8	1	8	8.0
Total acres graded per day during Grading					11.0

Dispersion Modeling

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved AERMOD dispersion model was utilized. The modeling approach utilized is discussed as follows:

Sources

As discussed above, construction activity is anticipated to disturb a maximum area of approximately 11.0 acres on any given day (during peak rough grading activity), thus it was conservatively estimated that emissions would be concentrated over this area. It should be noted that in order to model worst-case conditions, the highest daily peak emissions resulting from grading activity were utilized.

In order to model fugitive dust emissions (PM₁₀ and PM_{2.5}) resulting from Project grading activity, an area source of 11.0 acres was utilized. Per SCAQMD LST methodology, a ground level release height and a 1 meter (~3.28 feet) initial vertical dimension (sigma z) were utilized in order to account for the vertical spread of emissions.

In order to account for equipment exhaust emissions of PM₁₀, PM_{2.5}, NO₂, and CO, a total of 25 volume sources measuring 45 meters by 45 meters were spread over an area of approximately 11.0 acres. In order to represent equipment exhaust emissions, a release height of 5.0 meters was utilized, which is consistent with SCAQMD's LST guidance.

Receptors

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly,

individuals with pre-existing respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Structures that house these persons or places where they gather to exercise are defined as “sensitive receptors”; they are also known to be locations where an individual can remain for 24 hours.

The nearest sensitive receptor land use (where an individual could remain for 24 hours) is the residential community located ~191 feet/58 meters south of the Project site boundary.

Meteorological Data and Model Options

In order to account for meteorological conditions at the Project site, data from the Perris monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, per SCAQMD LST methodology, a receptor height of 2.0 meters and regulatory default options, and the urban dispersion coefficient were utilized.

Impacts Without BACMs and Mitigation

Without BACMs and mitigation, emissions during the peak construction activity will exceed the SCAQMD’s localized significance thresholds for emissions of NO₂, PM₁₀, and PM_{2.5}. Table 3-9 identifies the localized impacts without BACMs and mitigation at the nearest receptor location in the vicinity of the Project.

TABLE 3-9: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION (WITHOUT MITIGATION)

Peak Construction	CO		NO ₂	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.42	0.07	0.31	23.51	11.68
Background Concentration ^A	4.5	1.5	0.06		
Total Concentration	4.92	1.57	0.37	23.51	11.68
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	NO	NO	YES	YES	YES

^A Highest concentration from the last three years of available data

Note: PM10 and PM2.5 concentrations are expressed in µg/m³. All others are expressed in ppm

Impacts with BACMs and Mitigation

After the implementation of applicable BACMs and mitigation measures (outlined in Section 4.0), emissions during the peak construction activity will not exceed the SCAQMD’s localized significance threshold for any of the applicable emissions. Table 3-10 identifies the localized impacts with implementation of BACMs and mitigation measures at the nearest receptor location in the vicinity of the Project. Outputs from the model runs for construction LSTs are provided in Appendix 3.3.

TABLE 3-10: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION (WITH MITIGATION)

Peak Construction	CO		NO ₂	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.28	0.05	0.08	8.89	4.28
Background Concentration ^A	4.5	1.5	0.06		
Total Concentration	4.78	1.55	0.14	8.89	4.28
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

3.7 LOCALIZED SIGNIFICANCE – LONG-TERM OPERATIONAL ACTIVITY

For operational LSTS, on-site passenger car and truck travel emissions were modeled in AERMOD using emission factors for CO, NO₂, PM₁₀, and PM_{2.5} generated with the 2014 version of the Emission FACTor model (EMFAC) developed by the ARB. EMFAC 2014 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (45). Outputs from the model runs for operational LSTs are provided in Appendix 3.3.

For this Project, criteria pollutant emission factors were generated by running EMFAC 2014 in EMFAC Mode for vehicles in the SCAQMD district within Riverside County. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – assumed 15 minutes of idling per two-way vehicle trip for passenger cars and trucks
- 5 miles per hour – on-site vehicle movement including driving and maneuvering

Additionally, on-site equipment (CHE and forklifts) were modeled using area sources encompassing the Project's loading docks adjacent to the Project's building boundaries.

Meteorological data from the SCAQMD's Perris monitoring station (SRA 24) located approximately 5 miles southeast of the Project site was used to represent local weather conditions and prevailing winds (11). The Urban dispersion coefficient, elevated terrain, 1 year averaging time, and 0 meter receptor heights consistent with AERMOD regulatory defaults and SCAQMD guidance were utilized.

Universal Transverse Mercator (UTM) coordinates for North American Datum (NAD) 27 were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity.

Modeled sensitive receptors were placed at discrete residential and non-residential locations adjacent to the Project site.

Each on-site idling and travel route was modeled as a line source (made up of multiple adjacent volume sources). The emission rate for each volume source was calculated by multiplying the emission factor by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway. Emissions factors calculations are provided in more detail at Appendix 3.3. On-site equipment was modeled using an area source configuration that encompasses the Project's loading dock areas.

On-site vehicular idling was estimated to occur as vehicles enter and travel through the facility. Although the Project is required to comply with CARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of idling (46). As such, this analysis estimated truck idling at 15 minutes, consistent with SCAQMD's recommendation.

LOCALIZED THRESHOLDS FOR OPERATIONAL ACTIVITY

The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the Federal and/or State Ambient Air Quality Standards (47).

Applicable localized thresholds are as follows:

- California State 1-hour CO standard of 20.0 ppm;
- California State 8-hour CO standard of 9.0 ppm;
- California State 1-hour NO₂ standard of 0.18 ppm;
- California State Annual NO₂ standard of 0.03 ppm;
- SCAQMD 24-hour operational PM₁₀ LST of 2.5 µg/m³;
- SCAQMD Annual operational PM₁₀ LST of 1.0 µg/m³;
- SCAQMD 24-hour operational PM_{2.5} LST of 2.5 µg/m³.

As Shown on Table 3-11, operational emissions would not exceed the SCAQMD's localized significance thresholds for any criteria pollutant at the nearest sensitive receptor. Therefore, the Project will have a less than significant localized impact during operational activity, and no mitigation is required.

TABLE 3-11 LOCALIZED SIGNIFICANCE SUMMARY OPERATIONS

Operation	CO		NO ₂		PM ₁₀		PM _{2.5}
	Averaging Time						
	1-Hour	8-Hour	1-Hour	Annual	24-Hours	Annual	24-Hours
Peak Day Localized Emissions	0.016	0.011	0.022	0.004	0.68	0.22	0.62
Background Concentration ^A	4.5	1.5	0.06	0.017			
Total Concentration	4.52	1.51	0.08	0.02	0.68	0.22	0.62
SCAQMD Localized Significance Threshold	20	9	0.18	0.03	2.5	1	2.5
Threshold Exceeded?	NO	NO	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data (see Table 2-3 presented previously).

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

3.8 CO “HOT SPOT” ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or “hot spots.” Further, detailed modeling of Project-specific carbon monoxide (CO) “hot spots” is not needed to reach this conclusion.

It has long been recognized that adverse localized CO concentrations (“hot spots”) are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentrations in the Project vicinity have steadily declined, as indicated by historical emissions data presented previously at Table 2-3.

A CO “hotspot” would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur. At the time of the 1993 Handbook, the SCAB was designated nonattainment under the California AAQS and National AAQS for CO (48). As identified within SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of congestion at a particular intersection (49). To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO “hot spot” analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This hot spot analysis did not predict any violation of CO standards, as shown on Table 3-12. Traffic volumes generating the CO concentrations for the analysis are shown on Table 3-13. It can therefore be reasonably concluded that projects (such as the proposed Knox Business Park) that are not subject to the extremes in vehicle volumes and vehicle congestion that was evidenced in the 2003 Los Angeles hot spot analysis would similarly not create or result in CO hot spots. Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes

at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (50). The proposed Project considered herein would not produce the volume of traffic required to generate a CO hotspot either in the context of the 2003 Los Angeles hot spot study, or based on representative BAAQMD CO threshold considerations (see Table 3-14). At buildout of the Project, the highest average daily trips on a segment of road would be 31,300 daily trips on Harley Knox Boulevard east of I-215 which is lower than the daily trip volumes studied by SCAQMD that had no impact. Therefore, CO hotspots are not an environmental impact of concern for the proposed Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

TABLE 3-12: CO MODEL RESULTS

Intersection Location	Carbon Monoxide Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire-Veteran	4.6	3.5	4.2
Sunset-Highland	4	4.5	3.9
La Cienega-Century	3.7	3.1	5.8
Long Beach-Imperial	3	3.1	9.3

Source: 2003 AQMP

TABLE 3-13: TRAFFIC VOLUMES FOR INTERSECTIONS EVALUATED IN AQMP

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Wilshire-Veteran	4,954/2,069	1,830/3,317	721/1,400	560/933	8,062/7,719
Sunset-Highland	1,417/1,764	1,342/1,540	2,304/1,832	1,551/2,238	6,614/5,374
La Cienega-Century	2,540/2,243	1,890/2,728	1,384/2,029	821/1,674	6,634/8,674
Long Beach-Imperial	1,217/2,020	1,760/1,400	479/944	756/1,150	4,212/5,514

Source: 2003 AQMP

TABLE 3-14: PROJECT PEAK HOUR TRAFFIC VOLUMES

Intersection Location	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
Harvill Ave & Harley Knox Blvd	500/676	14/18	29/62	596/561	1,139/1,317
Harvill Ave & Oleander Ave	453/477	541/543	99/190	1/6	1,094/1,216
I-215 SB Ramps & Harley Knox Blvd	--	1,818/1,170	516/724	512/807	2,846/2,701
I-215 NB Ramps & Harley Knox Blvd	471/259	--	1,961/1,427	1,072/2,234	3,504/3,920

Source: Knox Business Park Traffic Impact Analysis (Urban Crossroads, Inc., 2015).

3.9 AIR QUALITY MANAGEMENT PLANNING

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the Basin. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

The Final 2012 AQMP was adopted by the AQMD Governing Board on December 7, 2012 (15). The 2012 AQMP incorporates the latest scientific and technological information and planning assumptions, including the 2012 Regional Transportation Plan/Sustainable Communities Strategy and updated emission inventory methodologies for various source categories.

Similar to the 2007 AQMP, the 2012 AQMP was based on assumptions provided by both CARB and SCAG in the latest available EMFAC model for the most recent motor vehicle and demographics information, respectively. The air quality levels projected in the 2012 AQMP are based on several assumptions. For example, the 2012 AQMP has assumed that development associated with general plans, specific plans, residential projects, and wastewater facilities will be constructed in accordance with population growth projections identified by SCAG in its 2012 RTP. The 2012 AQMP also has assumed that such development projects will implement strategies to reduce emissions generated during the construction and operational phases of development. The Project's consistency with the 2012 AQMP is discussed as follows:

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the SCAQMD's CEQA Air Quality Handbook (1993) (21). These indicators are discussed below:

- Consistency Criterion No. 1: The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

Construction Impacts

The violations that Consistency Criterion No. 1 refers to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if localized significance thresholds (LSTs) or regional significance thresholds were exceeded. As evaluated as part of the Project analysis (previously presented), the Project's localized and regional construction-source emissions with BACMs and Mitigation

will not exceed applicable localized and regional thresholds, and a less than significant impact is expected.

Operational Impacts

Although the Project LST analysis demonstrates that Project operational-source emissions would not exceed applicable LSTs, the Project would however exceed the applicable SCAQMD regional thresholds for operational activity as shown on Tables 3-6 and 3-7 (previously presented). Therefore the Project has the potential to conflict with the AQMP according to this criterion.

On the basis of the preceding discussion, the Project is not consistent with the first criterion.

- Consistency Criterion No. 2: The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

Overview

The 2012 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the Southern California Association of Governments (SCAG), which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in County's General Plan is considered to be consistent with the AQMP.

Construction Impacts

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities.

Operational Impacts

The Riverside County General Plan designates approximately ten acres in the southwest portion of the Building D Site and approximately 30 acres of the Building E Site for "Business Park (BP)" land uses, and approximately four acres of the Building E Site for "Rural Community – Very Low Density Residential (RC- VLDR)." The remainder of the Project Site is designated for "Light Industrial (LI)" land uses. The BP land use designation allows for employee-intensive uses, including research & development, technology centers, corporate offices, "clean" industry, and supporting retail uses. The RC-VLDR designation allows for single family homes on minimum 1-acre lots. The LI land use designation allows for industrial and related uses including warehousing/distribution, assembly and light manufacturing, repair facilities, and supporting retail uses. (Riverside County, 2003a, p. LU-42)

The Project Site contains four different zoning designations under existing conditions. The Building D Site is zoned for "Manufacturing – Medium (M-M)," "Rural Residential (R-R)," and "Industrial Park (I-P)." The Building E Site is zoned for "Rural Residential ½ Acre Lot Sizes (R-R-1/2)," "Industrial Park (I-P)," and "Light Agriculture (A-1-1)". The R-R-1/2 zoning designation allows for single family residential development on minimum ½-acre lot sizes and limited

agricultural uses. The M-M zoning designation allows for limited agricultural uses, medium-intensity manufacturing and commercial uses with approval of a plot plan, and more intensive manufacturing uses with approval of a conditional use permit. The A-1-1 zoning designation allows for light agricultural uses. The R-R zoning designation allows for single family dwellings and small-scale agricultural uses. The I-P zoning designation allows for industrial and manufacturing uses with approval of a plot plan, and certain specified service and commercial uses with approval of a plot plan.

As such, development proposed by the Project is not consistent with the growth projections in the General Plan and is therefore considered to be inconsistent with the AQMP. Notwithstanding, the Project will incorporate contemporary energy-efficient technologies and operational programs, and comply with SCAQMD emissions reductions and control requirements that act to reduce stationary-source air emissions. These Project attributes and features are consistent with and support AQMP air pollution reduction strategies and generally promote timely attainment of AQMP air quality standards. Furthermore, the Project will comply with applicable objectives and policies established in the Air Quality Element of the County of Riverside General Plan.

On the basis of the preceding discussion, the Project is determined to be inconsistent with the second criterion.

AQMP Consistency Conclusion

The Project would not result in or cause NAAQS or CAAQS violations. The Project's proposed land use designation for the subject site increase the development intensities as reflected in the adopted General Plan. The Project is therefore considered to be inconsistent with the AQMP.

3.10 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Sensitive receptors can include uses such as long term health care facilities, rehabilitation centers, and retirement homes. Residences, schools, playgrounds, child care centers, and athletic facilities can also be considered as sensitive receptors.

Results of the LST analysis indicate that the Project will not exceed the SCAQMD localized significance thresholds during construction (with BACMs). Therefore sensitive receptors would not be subject to a significant air quality impact during Project construction.

Results of the LST analysis indicate that the Project will not exceed the SCAQMD localized significance thresholds during operational activity. The proposed Project would not result in a CO "hotspot" as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8. Thus a less than significant impact to sensitive receptors during operational activity is expected.

Health Risk Assessment

Furthermore, a separate Health Risk Assessment has been conducted to evaluate the potential health risk impacts associated with exposure to toxic air contaminant (TAC) impacts, in particular

diesel particulate matter (DPM), to sensitive receptors (51). The results of the health risk assessment of lifetime cancer risk from Project-generated DPM emissions based on residential, worker, and school child exposure scenarios is discussed below.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 191 feet south of the Project site. At maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 6.19 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.004, which would not exceed the applicable threshold of 1.0.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located east, immediately adjacent to the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.91 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.003, which would not exceed the applicable threshold of 1.0.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at Thomas Rivera Middle School located approximately 1 mile (5,280 feet) southwest of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact at this location is 0.01 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.00007 which would not exceed the applicable threshold of 1.0.

The results of the analysis also indicate that the project will not result in a significant cumulative health risk.

3.11 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills

- Dairies
- Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the County's solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required.

3.12 CUMULATIVE IMPACTS

The Project area is designated as an extreme non-attainment area for ozone, and a non-attainment area for PM₁₀ and PM_{2.5}.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (52). In this report the AQMD clearly states (Page D-3):

"...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is $HI > 1.0$ while the cumulative (facility-wide) is $HI > 3.0$. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related

construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable. For this Project, a significant project-specific and thus cumulatively considerable impact would occur since the Project's emissions exceed the SCAQMD thresholds for on-going construction and operational activity.

A list approach is used, in accordance with Section 15130(b) of the CEQA Guidelines, which states the following:

The following elements are necessary to an adequate discussion of significant cumulative impacts: 1) Either: (A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or (B) A summary of projections contained in an adopted general plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or area wide conditions contributing to the cumulative impact.

The SCAQMD has recognized that there is typically insufficient information to quantitatively evaluate the cumulative contributions of multiple projects because each project applicant has no control over nearby projects. Nevertheless, the potential cumulative impacts from the Project and other projects are discussed below and have been quantified to the extent practical. A cumulative project list was developed for this analysis and is shown in Table 3-15, a summary of emissions associated with cumulative projects is shown on Table 3-16.

The cumulative project list was developed for the purposes of this analysis through consultation with planning and engineering staff from the County of Riverside, the cumulative project list includes known and foreseeable projects that are anticipated to contribute emissions to the air basin in the vicinity of the Project.

Emissions from cumulative projects were estimated based on the total square footage of Industrial, Office, Retail, Residential, and non-residential land uses identified in Table 3-15 and were then input into CalEEMod using model default parameters.

As shown on Table 3-16, Cumulative Projects emissions will result in exceedances for VOCs, NO_x, CO, PM₁₀ and PM_{2.5} emissions. Similarly, Cumulative Projects plus Proposed Project emissions will also result in exceedances for VOCs, NO_x, CO, PM₁₀ and PM_{2.5} emissions.

Project Contribution to Cumulative Construction Impacts

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that prior to application of appropriate mitigation measures, Project construction-source air pollutant emissions will result in exceedances of regional thresholds of NO_x. However, after implementation of the recommended mitigation measures, project construction-source emission would be considered less than significant. Therefore, consistent with SCAQMD guidance, Project construction-source emissions would be considered less than significant on a project-specific and cumulative basis.

Project Contribution to Cumulative Operational Impacts

Project operational-source NO_x emissions will exceed applicable SCAQMD regional thresholds. Per SCAQMD significance guidance, these impacts at the Project level are also considered cumulatively significant and would persist over the life of the Project. NO_x emissions are ozone precursors and would therefore contribute considerably to existing ozone non-attainment conditions within the Basin. This is a cumulatively significant impact persisting over the life of the Project.

TABLE 3-15: CUMULATIVE DEVELOPMENT LIST (PAGE 1 OF 3)

TAZ	Project Name	Land Use ¹	Quantity	Units ²
COUNTY OF RIVERSIDE				
RC-1	SP 341; PP 21552 (Majestic Freeway Business Center)	High-Cube Warehouse	6100.715	TSF
RC-2	PP 20699 (Oleander Business Park)	Warehousing	1206.710	TSF
RC-3	Ramona Metrolink Station	Light Rail Transit Station	300	SP
RC-4	PP 22925 (Amstar/Kaliber Development)	Office (258.102 TSF)	258.102	TSF
		Warehousing	409.312	TSF
		General Light Industrial	42.222	TSF
		Retail	10.000	TSF
RC-5	Alessandro Metrolink Station	Light Rail Transit Station	300	SP
RC-6	Meridian Business Park North	Industrial Park	5985.000	TSF
RC-7	PP 18908	General Light Industrial	133.000	TSF
RC-8	Tract 33869	SFDR	39.000	DU
RC-9	PP 16976	General Light Industrial	85.000	TSF
RC-10	PP 21144	Industrial Park	190.802	TSF
RC-12	CUP03315	Gas Station w/ Market	17	VFP
		Fast Food w/o Drive Thru	5.600	TSF
		High-Turnover Restaurant	6.500	TSF
RC-13	PP23342	Industrial Park	180.600	TSF
RC-14	TR30592	SFDR	131	DU
RC-15	Rider Street Quarry	Quarry	2500.0	AC
RC-16	PP 20711	Manufacturing	20.0	AC
	Yocum Baldwin	Warehousing	46.8	AC
RC-22	Blanding Assemblage	High-Cube Warehouse	707.880	TSF
CITY OF MORENO VALLEY				
MV-1	PA 06-0152 & PA 06-0153 (First Park Nandina I & II)	High-Cube Warehouse	1182.918	TSF
MV-2	Integra Pacific Industrial Facility	High-Cube Warehouse	880.000	TSF
MV-3	PA 08-0072 (Overton Moore Properties)	High-Cube Warehouse	520.000	TSF
MV-4	Harbor Freight Expansion	High-Cube Warehouse	1279.910	TSF
MV-5	PA 04-0063 (Centerpointe Buildings 8 and 9)	General Light Industrial	361.384	TSF
MV-6	PA 07-0035; PA 07-0039 (Moreno Valley Industrial Park)	General Light Industrial	204.657	TSF
		High-Cube Warehouse	409.920	TSF
MV-7	PA 07-0079 (Indian Business Park)	High-Cube Warehouse	1560.046	TSF
MV-8	PA 08-0047-0052 (Komar Cactus Plaza) ³	Hotel	110	RMS
		Fast Food w/Drive Thru	8.000	TSF
		Commercial	42.400	TSF
MV-9	First Inland Logistics Center	High-Cube Warehouse	400.130	TSF
MV-11	PA 08-0093 (Centerpointe Business Park II)	General Light Industrial	99.988	TSF
MV-12	PA 06-0021; PA 06-0022; PA 06-0048; PA 06-0049 (Komar Investments)	Warehousing	2057.400	TSF
MV-13	PA 06-0017 (Ivan Devries)	Industrial Park	569.200	TSF
MV-14	Modular Logistics (Dorado Property)	High-Cube Warehouse	1109.378	TSF
MV-15	PA 09-0004 (Vogel)	High-Cube Warehouse	1616.133	TSF
MV-16	TM 34748	SFDR	135	DU
MV-17	First Nandina Logistics Center	High-Cube Warehouse	1450.000	TSF
MV-19	First Park Nandina III	High-Cube Warehouse	691.960	TSF
	Moreno Valley Commerce Park	High-Cube Warehouse	354.321	TSF
MV-20	March Business Center	General Light Industrial	16.732	TSF
		Warehousing	87.429	TSF
		High-Cube Warehouse	1380.246	TSF
MV-21	TM 33810	SFDR	16	DU
MV-22	TM 34151	SFDR	37	DU
MV-23	373K Industrial Facility	High-Cube Warehouse	373.030	TSF
MV-24	TM 32716	SFDR	57	DU
MV-25	TM 32917	Condo/Townhomes	227	DU

TABLE 3-15: CUMULATIVE DEVELOPMENT LIST (PAGE 2 OF 3)

TAZ	Project Name	Land Use ¹	Quantity	Units ²
MV-30	PA 08-0079-0081 (Winco Foods)	Discount Supermarket	95.440	TSF
		Specialty Retail	14.800	TSF
MV-31	Moreno Beach Marketplace (Lowe's)	Commercial Retail	175.000	TSF
	Auto Mall Specific Plan (Planning Area C)	Commercial Retail	304.500	TSF
	Westridge	High-Cube Warehouse	937.260	TSF
	ProLogis	High-Cube Warehouse	1916.190	TSF
		Warehousing	328.448	TSF
		High-Cube Warehouse	41400.000	TSF
	World Logistics Center	Warehousing	200.000	TSF
		Gas Station w/ Market	12	VFP
		Existing SFDR	7	DU
MV-34	a Westridge Commerce Center	High-Cube Warehouse	937.260	TSF
	b P06-158 (Gascon)	Commercial Retail	116.360	TSF
	c Auto Mall Specific Plan (PAC)	Commercial Retail	304.500	TSF
	d ProLogis	Warehousing	367.000	TSF
	e TR 35823 (Stowe Passco)	High-Cube Warehouse	1901.000	TSF
		SFDR	261	DU
		Apartments	216	DU
MV-37	Lowe's (Moreno Beach Marketplace)	Home Improvement Store	175.000	TSF
MV-38	a Convenience Store/ Fueling Station	Gas Station w/ Market	30.750	TSF
	b Senior Assisted Living	Assisted Living Units	139	DU
	c TR 31590 (Winchester Associates)	SFDR	96	DU
	d TR 32548 (Gabel, Cook & Associates)	SFDR	107	DU
	e 26th Corp. & Granite Capitol	SFDR	32	DU
	f TR 32218 (Whitney)	SFDR	63	DU
	g Moreno Marketplace	Commercial Retail	93.788	TSF
	h Medical Plaza	Medical Offices	311.633	TSF
MV-40	Moreno Valley Industrial Center (Industrial Area SP)	General Light Industrial	354.810	TSF
MV-41	Centerpointe Business Park	General Light Industrial	356.000	TSF
MV-42	Moreno Valley Shopping Center	Free Standing Discount Store	189.520	TSF
		Gas Station w/ Market / Car Wash	16	VFP
MV-49	TR 22180 / Young Homes	Residential	140	DU
MV-52	San Michele Industrial Center (Industrial Area SP)	General Light Industrial	865.960	TSF
MV-124	PA 06-0014 (Pierce Hardy Limited Partnership)	Lumber Yard	67.000	TSF
MV-126	Moval Assemblage	High-Cube Warehouse	456.337	TSF
MV-128	Moreno Valley Logistics Center	High-Cube Warehouse	1351.770	TSF
		General Light Industrial	385.748	TSF
MARCH JOINT POWERS AUTHORITY				
MA-1	March Lifecare Campus Specific Plan ⁴	Medical Offices	190.000	TSF
		Commercial Retail	210.000	TSF
		Research & Education	200.000	TSF
		Hospital	50	Beds
		Institutional Residential	660	Beds
MA-2	Airport Master Plan	Airport Use	559.000	TSF
MA-3	Freeway Business Center (March JPA)	High-Cube Warehouse	710	TSF
CITY OF RIVERSIDE				
R-1	P07-1028 (Alessandro Business Park)	General Light Industrial	662.018	TSF
	Alessandro and Gorgonio	Fast Food w/Drive Thru	4.050	TSF
	2100 Alessandro Boulevard	Vocational School	11.505	TSF
CITY OF PERRIS				
P-1	P 05-0113 (IDI)	High-Cube Warehouse	1750.000	TSF
P-2	P 05-0192 (Oakmont I)	High-Cube Warehouse	697.600	TSF
P-3	P 05-0477	High-Cube Warehouse	462.692	TSF
P-4	Rados Distribution Center	High-Cube Warehouse	1200.000	TSF
P-5	Investment Development Services (IDS) II	High-Cube Warehouse	350.000	TSF

TABLE 3-15: CUMULATIVE DEVELOPMENT LIST (PAGE 3 OF 3)

TAZ	Project Name	Land Use ¹	Quantity	Units ²
P-6	P 07-09-0018	Warehousing	170,000	TSF
P-7	P 07-07-0029 (Oakmont II)	High-Cube Warehouse	1600,000	TSF
P-8	TR 32707	SFDR	137	DU
P-9	TR 34716	SFDR	318	DU
P-10	P 05-0493 (Ridge I)	High-Cube Warehouse	700,000	TSF
P-11	Ridge II	High-Cube Warehouse	2000,000	TSF
P-12	Harvest Landing Specific Plan	SFDR	717	DU
		Condo/Townhomes	1,139	DU
		Sports Park	16.7	AC
		Business Park	1233,401	TSF
		Shopping Center	73,181	TSF
		Perris Marketplace	Shopping Center	450,000	TSF
P-13	P 06-0411 (Concrete Batch Plant)	Manufacturing	2,000	TSF
P-14	Jordan Distribution	High-Cube Warehouse	378,000	TSF
P-15	Aiere	High-Cube Warehouse	642,000	TSF
P-16	P 08-11-0005; P 08-11-0006 (Starcrest)	High-Cube Warehouse	454,088	TSF
P-17	Stratford Ranch Specific Plan	High-Cube Warehouse	1725,411	TSF
P-18	Stratford Ranch	High-Cube Warehouse	480,000	TSF
		General Light Industrial	120,000	TSF
P-19	P05-0493	Logistics	597,370	TSF
P-20	Starcrest, P011-0005; 08-11-0006	General Light Industrial	454,088	TSF
P-45	IDS 04-0464	High-Cube Warehouse	1686,760	TSF
P-46	TTM 32708 (50% Complete)	SFDR	238	DU
P-47	PM 34199	Gen. Light Industrial	46,500	TSF
	DPR 05-0387	Gen. Light Industrial	9,854	TSF
	DPR 05-0452	Warehousing	31,200	TSF
	TPM 34697	Gen. Light Industrial	47,400	TSF
	DPR 06-0396	Warehousing	159,823	TSF

¹ SFDR = Single Family Detached Residential ; MFDR = Multi-Family Detached Residential

² DU = Dwelling Units; TSF = Thousand Square Feet; SP = Spaces; VFP = Vehicle Fueling Positions; RMS = Rooms; AC = Acres; EMP = Employees

³ Source: Cactus Avenue and Commerce Center Drive Commercial Center TIA, Urban Crossroads, Inc., December 9, 2008 (Revised).

⁴ Source: March Lifecare Campus Specific Plan Traffic Impact Analysis, Mountain Pacific, Inc., May 2009 (Revised).

TABLE 3-16: CUMULATIVE DEVELOPMENT EMISSIONS SUMMARY

Operational Activities	Emissions (pounds per day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Maximum Project Emissions	72.16	438.4	220.83	1.39	60.09	22.15
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	NO	NO	NO	NO
Total Cumulative Project Emissions	7,317.20	10,862.69	42,888.44	110.45	7,571.39	2,305.23
Project + Cumulative Project Emissions	7,389.36	11,301.09	43,109.27	111.84	7,631.48	2,327.38
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES

4 FINDINGS & CONCLUSIONS

4.1 CONSTRUCTION-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project will exceed the numerical thresholds of significance established by the South Coast Air Quality Management District (SCAQMD) for emissions of Oxides of Nitrogen (NOx) prior to implementation of applicable Best Available Control measures (BACMs) and mitigation measures (MMs).

Best available control measures BACM AQ-1, BACM AQ-2, and the proposed MM AQ-1, MM AQ-2, and MM AQ-3 are recommended to reduce the impacts to less than significant levels. After implementation of the recommended mitigation measures, construction activity emissions will not exceed the numerical thresholds established by the SCAQMD for any phase of construction activity. Thus a less than significant impact will occur with the implementation of BACM AQ-1, BACM AQ-2, MM AQ-1, MM AQ-2, and MM AQ-3.

LOCALIZED IMPACTS

Without BACMs and Mitigation, emissions during construction activity will exceed the SCAQMD's localized significance threshold for emissions of PM 2.5 only. It should be noted that the impacts without BACMs do not take credit for reductions achieved standard regulatory requirements (Rule 403). After implementation of BACM AQ-1, BACM AQ-2 and MM AQ-1, the emissions resulting from short-term construction activity will not exceed the SCAQMD LST thresholds. A less than significant impact would occur with the application of BACMs and standard regulatory requirements. With implementation of BACMs and Mitigation, Project construction-source emissions would not conflict with the applicable Air Quality Management Plan (AQMP) as shown in Section 3.9 of the report.

ODORS

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

4.2 OPERATIONAL-SOURCE EMISSIONS

REGIONAL IMPACTS

For regional emissions, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs NOx. As shown in Section 4.6, no feasible mitigation measures exist that would reduce these emissions to levels that are less-than-significant. Thus a significant impact would occur even with implementation of the proposed

mitigation measures (MM AQ-3 through MM AQ-8). Project operational-source NOx emissions exceedances of applicable SCAQMD regional thresholds are therefore considered significant and unavoidable.

LOCALIZED IMPACTS

Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the operational LSTs section of this report. The proposed Project would not result in a significant CO “hotspot” as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8, thus a less than significant impact to sensitive receptors during operational activity is expected. Lastly, project operational-source emissions would have the potential to conflict with the AQMP during operational activity as shown in Section 3.9 of the report.

ODORS

Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills or various heavy industrial uses. The Project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential sources of operational odors generated by the Project would include disposal of miscellaneous refuse. Moreover, SCAQMD Rule 402 acts to prevent occurrences of odor nuisances (1). Consistent with County requirements, all Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with solid waste regulations. Potential operational-source odor impacts are therefore considered less-than-significant.

4.3 STANDARD REGULATORY REQUIREMENTS/BEST AVAILABLE CONTROL MEASURES (BACMs)

Measures listed below (or equivalent language) shall appear on all Project grading plans, construction specifications and bid documents, and the County shall ensure such language is incorporated prior to issuance of any development permits. County monitoring of construction activities shall be conducted to ensure mitigation compliance.

SCAQMD Rules that are currently applicable during construction activity for this Project include but are not limited to: Rule 1113 (Architectural Coatings) (53); Rule 431.2 (Low Sulfur Fuel) (48); Rule 403 (Fugitive Dust) (54); and Rule 1186 / 1186.1 (Street Sweepers) (55). In order to facilitate monitoring and compliance, applicable SCAQMD regulatory requirements are summarized below.

BACM AQ-1

The following measures shall be incorporated into Project plans and specifications as implementation of Rule 403 (54):

- All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions.
- The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete

coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day.

- The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are reduced to 15 miles per hour or less.

Additional regulatory requirements that are in effect during Project construction include the following:

BACM AQ-2

The California Air Resources Board, in Title 13, Chapter 10, Section 2485, Division 3 of the of the California Code of Regulations, imposes a requirement that heavy duty trucks accessing the site shall not idle for greater than five minutes at any location. This measure is intended to apply to construction traffic. Grading plans shall reference that a sign shall be posted on-site stating that construction workers need to shut off engines at or before five minutes of idling (56).

In addition to the above-cited SCAQMD regulatory requirements and BACMs, the Project shall implement the following construction activity mitigation measures.

4.4 CONSTRUCTION-SOURCE MITIGATION MEASURES

MM AQ-1

Only “Zero-Volatile Organic Compounds” paints (no more than 100 gram/liter of VOC) and/or High Pressure Low Volume (HPLV) applications consistent with South Coast Air Quality Management District Rule 1113 shall be used.

MM AQ-2

During grading activity:

- All excavators, graders, and rubber tired dozers shall be CARB Tier 3 Certified or better.
- All scrapers shall be CARB Tier 4 Certified or better.
- The total horsepower-hours per day for all on-site equipment shall not exceed 46,344 horsepower-hours per day and the maximum disturbance (actively graded) area shall not exceed 11.0 acres per day.

4.5 OPERATIONAL-SOURCE MITIGATION MEASURES

MM AQ-3

The project will reduce vehicle miles traveled and emissions associated with trucks and vehicles by implementing the following measures:

- Pedestrian and bicycle connections shall be provided to surrounding areas consistent with the County’s General Plan.
- A Transportation Management Association (TMA) shall be established by the Project Applicant. The TMA shall encourage and coordinate carpooling. The TMA shall advertise its services to the building occupants. The TMA shall consider offering transit incentives to employees and shall

provide shuttle service to and from public transit, if warranted. The TMA shall distribute public transportation information to its employees. The TMA shall provide electronic message board space for coordination rides.

- There shall be preferential parking for carpoolers and vanpools.

MM AQ-4

The project Applicant shall encourage its tenants to use alternative-fueled vehicles such as compressed natural gas vehicles, electric vehicles or other alternative fuels by providing publicly available information from the Southern California Air Quality Management District (SCAQMD), California Air Resources Board (CARB), and U.S. Environmental Protection Agency on alternative fuel technologies.

MM AQ-5

The project Applicant shall make its tenants aware of the funding opportunities to retrofit older fleet vehicles and equipment with newer less polluting fleet vehicles and equipment. Literature available from CARB on funding programs such as Carl Moyer, and other similar funding opportunities shall be provided to tenants.

MM AQ-6

The Applicant shall provide a minimum of two electric vehicle charging stations for each building.

MM AQ-7

The truck access gates and loading docks within the truck court on the Project site shall be posted with signs which state:

- a) Truck drivers shall turn off engines when not in use;
- b) Diesel delivery trucks servicing the Project shall not idle for more than five (5) minutes^[1]; and
- c) Telephone numbers of the building facilities manager and the CARB to report violations.

MM AQ-8:

The project Applicant shall encourage its tenants to use water-based or low VOC cleaning products by providing publicly available information from the Southern California Air Quality Management District (SCAQMD), California Air Resources Board (CARB), and U.S. Environmental Protection Agency on such cleaning products.

[1] While restricted idling is required per RM HRA-1, the analysis presented here takes no quantified credit or reduction in emissions for restricted idling, and reflects an assumed 15-minute “worst case” idling condition.

4.6 EVALUATION OF APPLICABILITY OF SCAQMD-RECOMMENDED MITIGATION MEASURES

The South Coast Air Quality Management District (SCAQMD) typically provides a comment letter on the Notice of Preparation for CEQA documents. The SCAQMD's comment letters include a reference to several sources to consider for purposes of mitigating significant air quality impacts. The following table evaluates the applicability of the SCAQMD's recommended measures.

TABLE 4-1: APPLICABILITY OF SCAQMD-RECOMMENDED MITIGATION MEASURES

Mitigation Measure	Applicability
Chapter 11 of the SCAQMD <i>CEQA Air Quality Handbook</i> (Construction)	The applicable mitigation measures listed in Chapter 11 (Tables 11-2, 11-3, and 11-4) of the SCAQMD <i>CEQA Air Quality Handbook</i> have been reviewed. However, no additional mitigation measures are necessary since Project-related construction emissions (regional and localized) would not exceed the applicable SCAQMD thresholds with application of BACMS and recommended MMs that are already proposed.
Chapter 11 of the SCAQMD <i>CEQA Air Quality Handbook</i> (Operations)	<p>The applicable mitigation measures listed in Chapter 11 (Tables 11-6c and 11-7c) of the SCAQMD <i>CEQA Air Quality Handbook</i> have been reviewed. Some of the mitigation measures recommended here are already included in the Project, specifically: MM AQ-3, MM AQ-4, MM AQ-5, MM AQ-6, MM AQ-7, and MM AQ-8 are consistent with several measures recommended by SCAQMD.</p> <p>However, none of the additional mitigation measures beyond those identified above would reduce the significant VOC or NO_x impact to less than significant levels. It should be noted the SCAQMD <i>CEQA Air Quality Handbook</i> has not been updated since 2003.</p> <p>Additionally, several of the measures listed provide a negligible VOC and NO_x reduction with a number designated by SCAQMD has having no quantified benefit or negligible benefit. Therefore implementation of these measures would not avoid or substantially lessen mobile source VOC or NO_x emissions attributable to the project.</p>

<p>SCAQMD CEQA Web Pages (Fugitive Dust)</p>	<p>With application of BACMs and recommended MMs, the Project would not have a significant impact for construction or operational related PM10 or PM2.5 emissions. Therefore, no additional mitigation measures are required to reduce fugitive dust emissions.</p>
<p>SCAQMD CEQA Web Pages (Greenhouse Gases)</p>	<p>Same as “CAPCOA's <i>Quantifying Greenhouse Gas Mitigation Measures</i>” discussion. See below.</p>
<p>SCAQMD CEQA Web Pages (Harbor Craft, Locomotives, Ocean Going Vessels)</p>	<p>The following mitigation measures are not applicable to the proposed Project. It is not expected that the Project would include the use of a harbor craft, locomotives, or ocean going vessels.</p>
<p>SCAQMD CEQA Web Pages (Off-Road Engines)</p>	<p>Mitigation measures that would apply to off-road engines have been reviewed. Notwithstanding, implementation of these measures would not avoid or substantially lessen mobile source NOx emissions attributable to the project. Additionally, pursuant to MM AQ-14, the project Applicant shall require on-site forklifts to be non-diesel powered.</p>
<p>SCAQMD CEQA Web Pages (On-Road Engines)</p>	<p>The California Air Resources Board (CARB) has worked closely with the U.S. Environmental Protection Agency (U.S. EPA), engine and vehicle manufacturers, and other interested parties to reduce emissions from heavy-duty diesel vehicles in California, through a combination of measures including regulations requiring the use of ultra-low sulfur diesel fuel, new emission standards, restrictions on idling, addition of post-combustion filter and catalyst equipment, and retrofits for diesel truck fleets. These programs are expected to result in significant reductions in particulate matter (PM), nitrous oxides (NOX), volatile organic compounds (VOC), and carbon oxide (CO) emissions as they are fully implemented.</p> <p>Under the Truck and Bus Regulation, adopted by CARB in 2008, all diesel truck fleets operating in California are required to adhere to an aggressive schedule for upgrading and replacing heavy-duty truck engines. Pursuant to such regulation, older, heavier trucks, i.e., those with pre-2000 year engines and a gross vehicle weight rating (GVWR) greater than 26,000 pounds are already required to have installed a PM filter and must be replaced with</p>

a 2010 engine between 2015 and 2020, depending on the model year. By 2015, all heavier pre-1994 trucks must be upgraded to 2010 engines and newer trucks are thereafter required to be replaced over the next eight years. Older, more polluting trucks are required to be replaced first, while trucks that already have relatively clean 2007-2009 engines are not required to be replaced until 2023. Lighter trucks (those with a GVWR of 14,001 to 26,000 pounds) must adhere to a similar schedule, and will all be replaced by 2020.

Further, nearly all trucks that are not required under the Truck and Bus Regulation to be replaced by 2015 are required to be upgraded with a PM filter by that date. Therefore, most heavy-duty trucks entering the project site will meet or exceed U.S. EPA 2007 and 2010 emission standards within a relatively short period of time after the project becomes operational in 2017, and all such trucks entering the property will meet or exceed such standards by 2023.

Federal and state agencies regulate and enforce vehicle emission standards. It is not feasible for the County of Riverside staff to effectively enforce a prohibition on trucks from entering the property that are otherwise permitted to operate in California and access other properties in the County, region, and state. And, even if the County were to apply such a restriction, it would merely cause warehouse operators using truck fleets older than 2007/2010 to locate in another location in the South Coast Air Basin where the restriction does not apply, thereby resulting in no improvement to regional air quality. Further if a truck that did not meet this requirement were to attempt access to the site and be denied, there would be more idling emissions and travel emissions associated with that truck.

Additionally, SCAQMD has made similar comments in the past however the examples SCAQMD has provided on other projects do not demonstrate successful implementation of the measures. More specifically:

Banning Gateway [Business Park] (City of Banning) demonstrates that limiting trucks to 2010 compliant engines can render a project unmarketable and

	<p>unattractive to tenants. Based on information supplied to us by the proponents of this project, SCAQMD implored the Banning City Council to apply a condition to this project limiting trucks to 2010 or better CARB compliant engines. The City relented and applied the condition. However, over the course of several years, the project’s proponents have found that the project is not marketable with that condition applied and that no perspective tenants will take the project with that condition^{1,2}. The project’s proponents have been in discussions with the City of Banning and SCAQMD attempting to get relief from the condition, however an outcome is unknown at this time. Thus, it is our understanding that the AQMD is fully aware that a 2010 or better engine restriction was not feasible for the Banning Gateway project to implement and that this condition is generally problematic and infeasible for speculative builders of warehouse projects to practically implement. In conclusion, this prior example cited by the AQMD is not an example of a successfully implemented mitigation measure. In fact, it is an example of the measure’s unacceptability in the marketplace and how it can render a project unviable.</p>
<p>CAPCOA's <i>Quantifying Greenhouse Gas Mitigation Measures</i></p>	<p>All feasible and applicable mitigation measures listed in the Energy, Water, and Transportation sections (as shown in Chart 6-1 and Chart 6-2 of the CAPCOA document) have been applied to the analysis. However these measures are aimed at reducing GHG emissions and implementation of these measures would not avoid or substantially lessen mobile source NOx emissions attributable to the project.</p>
<p>SCAQMD Rule 403</p>	<p>As stated in Section 4.3 and identified in BACM AQ-1 the Project would need to comply with applicable SCAQMD Rules including, but not limited to Rule 403.</p>
<p>SCAQMD’s Guidance Document for addressing Air Quality Issues in General Plans and Local Planning</p>	<p>These measures are not applicable to the proposed Project because the measures listed are aimed towards local governments as a guidance to reduce community exposure to source-specific air pollution impacts.</p>

5 REFERENCES

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6 CERTIFICATION

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Knox Business Park Project. The information contained in this air quality impact report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 660-1994 ext. 217.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June, 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

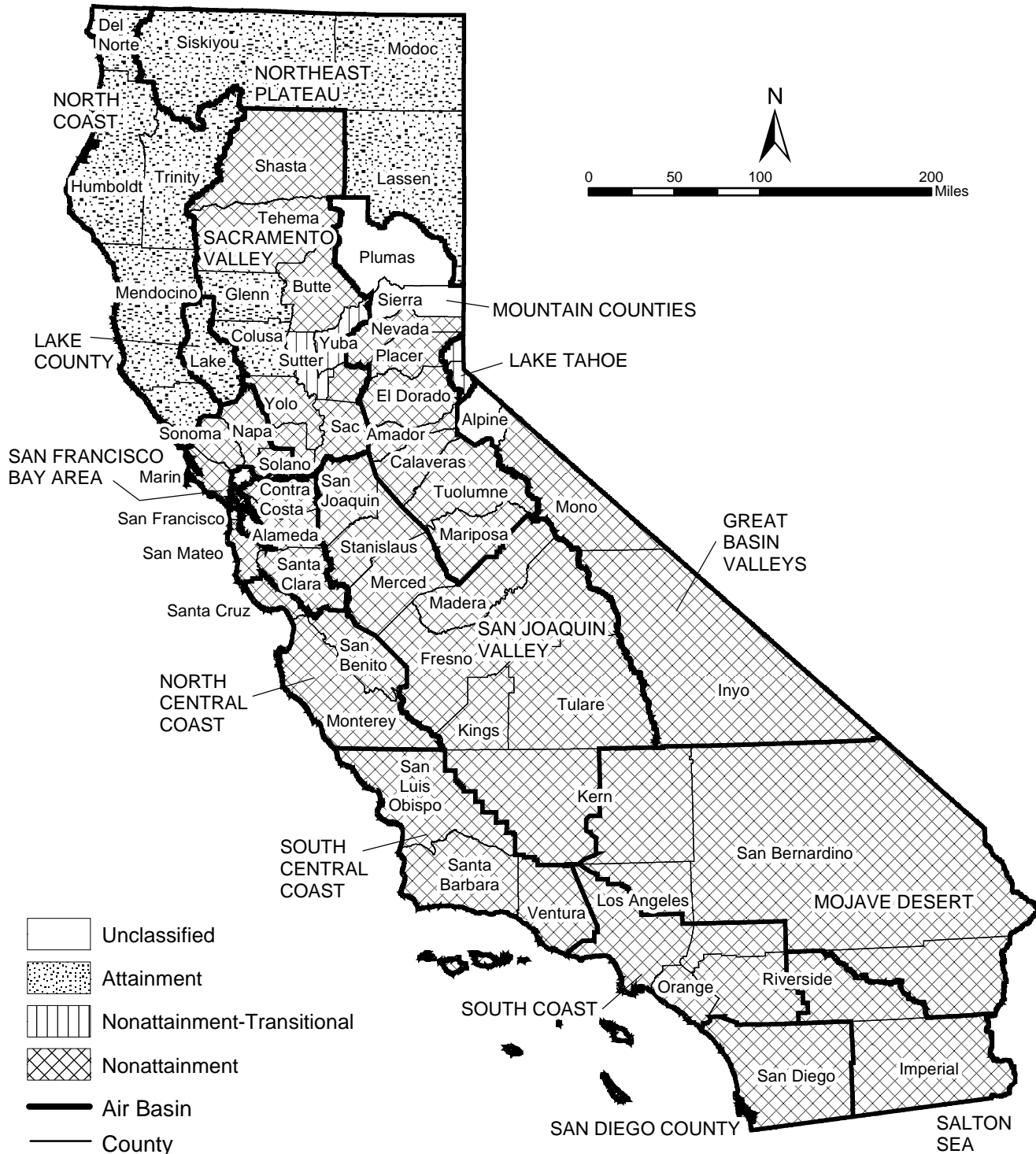
Environmental Site Assessment – American Society for Testing and Materials • June, 2013
Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

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APPENDIX 3.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

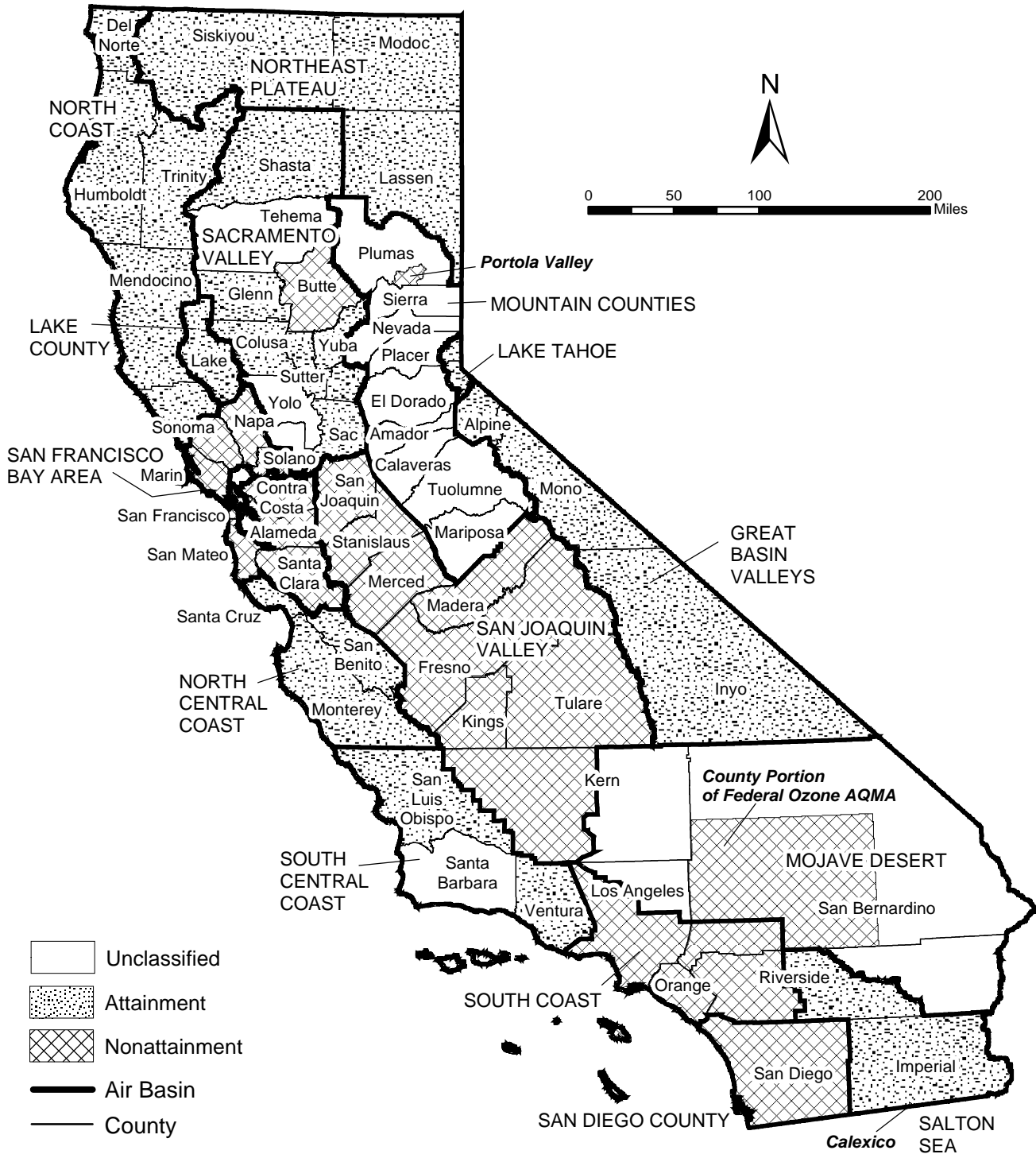
2013 Area Designations for State Ambient Air Quality Standards OZONE



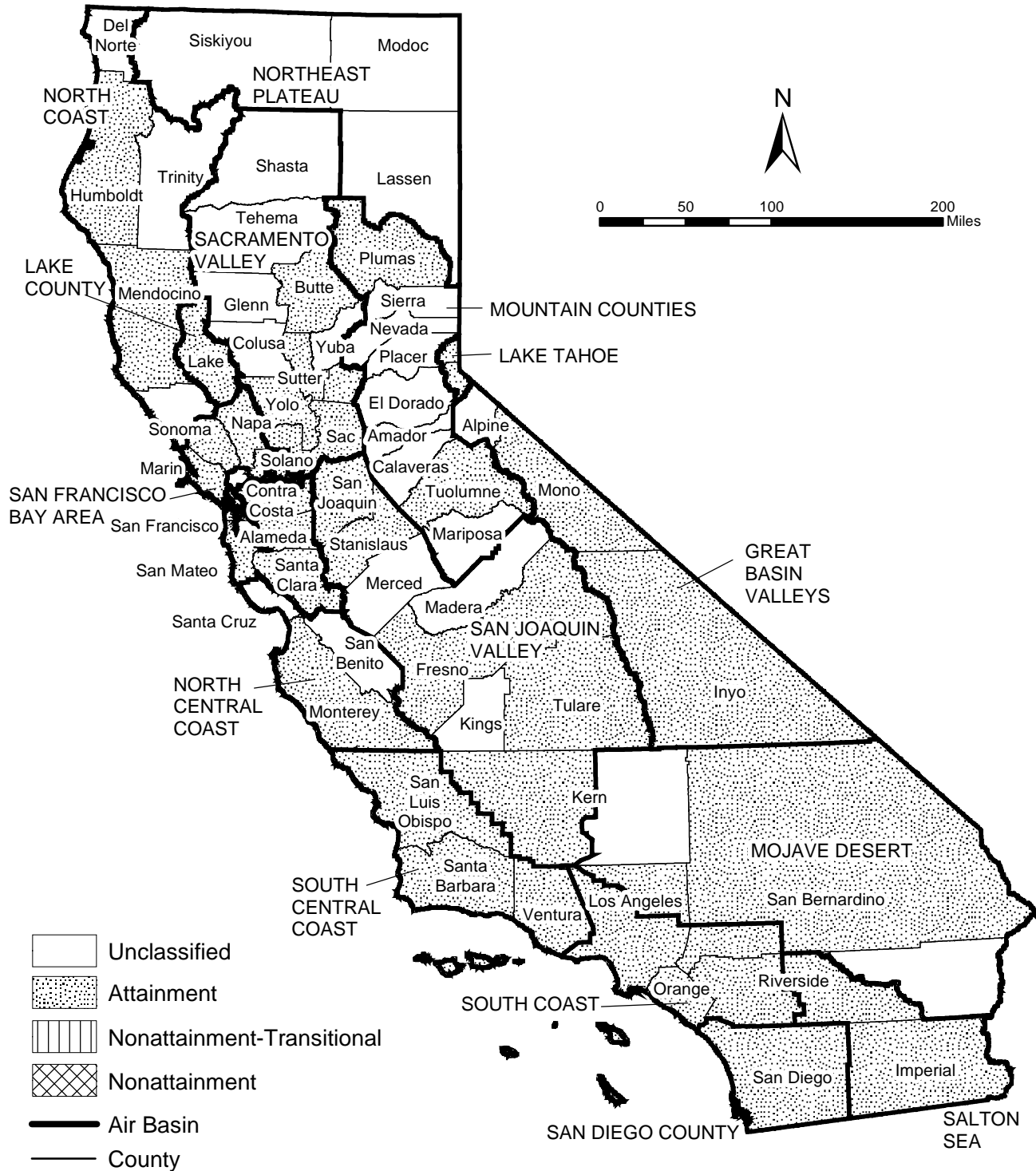
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2013 Area Designations for State Ambient Air Quality Standards PM2.5



2013 Area Designations for State Ambient Air Quality Standards CARBON MONOXIDE



2013 Area Designations for State Ambient Air Quality Standards NITROGEN DIOXIDE



2013 Area Designations for State Ambient Air Quality Standards SULFUR DIOXIDE



2013 Area Designations for State Ambient Air Quality Standards LEAD



Area Designations for National Ambient Air Quality Standards 8-HOUR OZONE



Source Date:
June 2013
Air Quality Planning Branch, AQPSD

Area Designations for National Ambient Air Quality Standards PM10



Source Date:
September 2013
Air Quality Planning Branch, AQPSD

Area Designations for National Ambient Air Quality Standards PM2.5

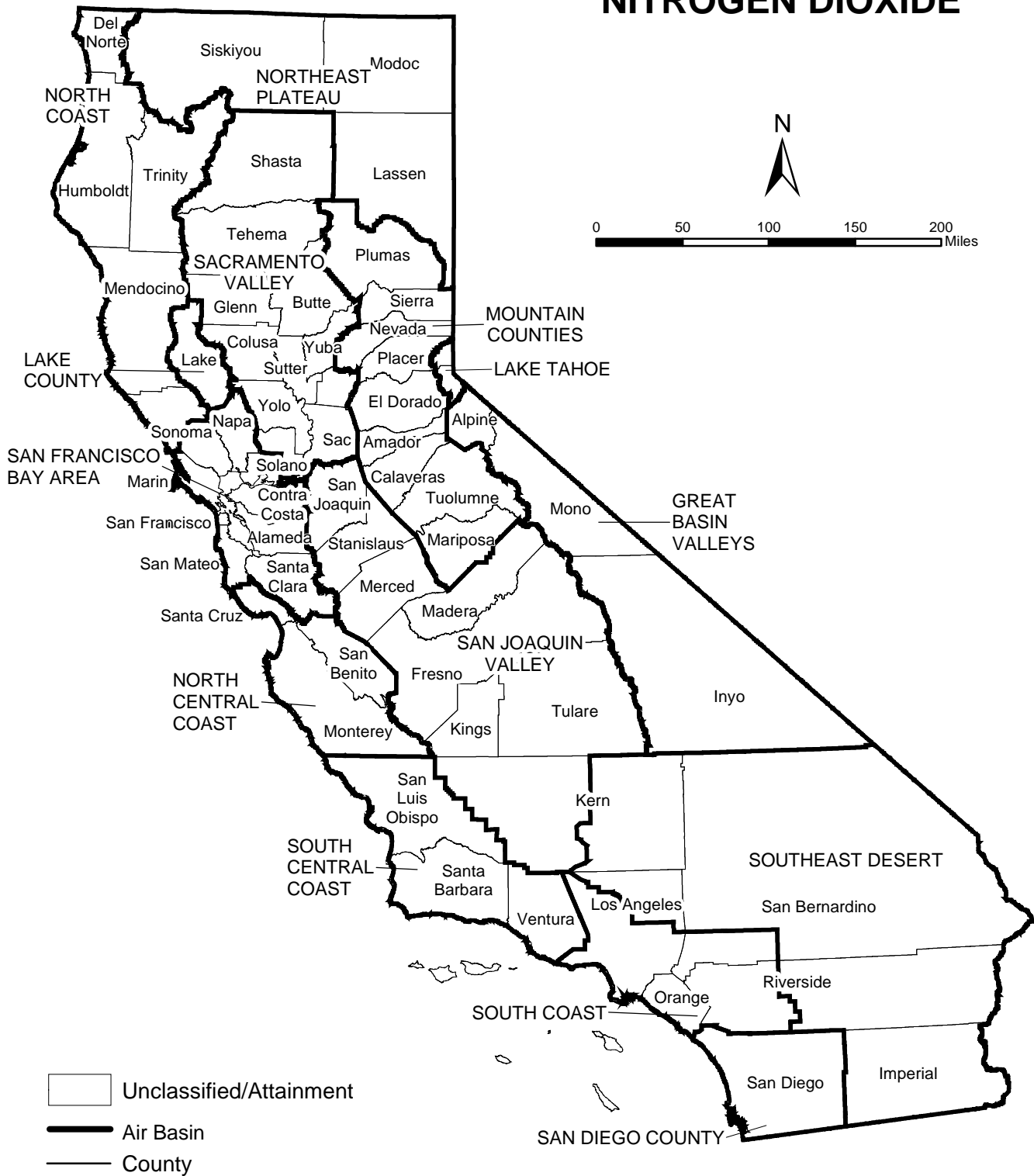


Area Designations for National Ambient Air Quality Standards CARBON MONOXIDE



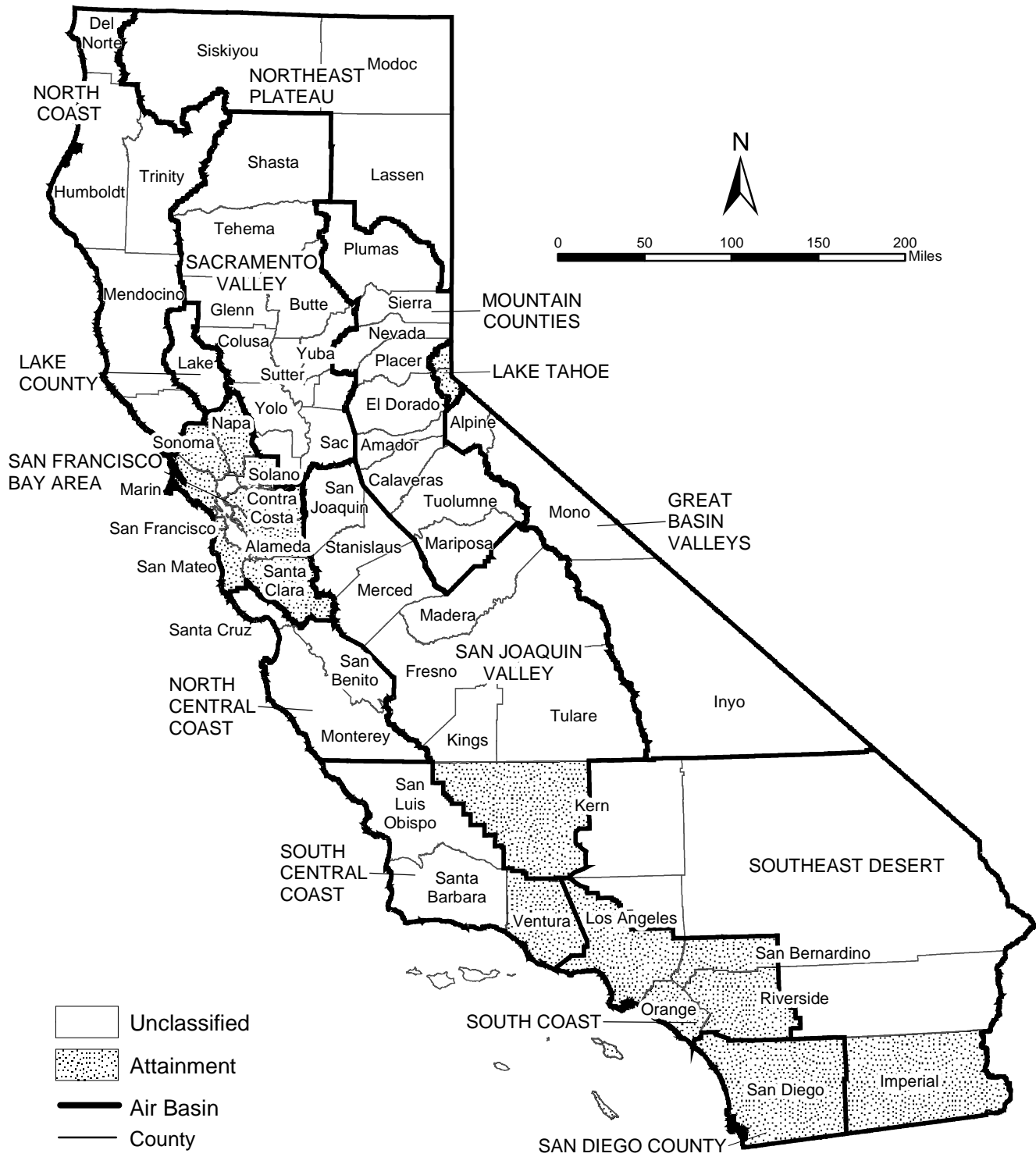
Source Date:
June 2013
Air Quality Planning Branch, AQPSD

Area Designations for National Ambient Air Quality Standards NITROGEN DIOXIDE



Source Date:
June 2013
Air Quality Planning Branch, AQPSD

Area Designations for National Ambient Air Quality Standards SULFUR DIOXIDE



Area Designations for National Ambient Air Quality Standards LEAD



Source Date:
June 2013
Air Quality Planning Branch, AQPSD

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APPENDIX 3.2:
CALEEMOD EMISSIONS MODEL OUTPUTS

Knox Business Park
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,259.05	1000sqft	47.01	1,259,050.00	0
Parking Lot	2,066.00	Space	18.59	826,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 601 Auto Stalls + 1,465 Auto Stall Equivalents for trucks (448 Trailer Stalls x 3.27 factor since trailer parking is larger than auto)

Construction Phase - Construction schedule based on a 2017 opening year

Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

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Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

Trips and VMT -

Demolition -

Grading -

Architectural Coating - Interior/Exterior SF determined by 6,788 L.F. x 47 ft height for Building Wall = 319,036SF

Interior/Exterior SF determined by 2,509 L.F. x 14 ft height for Screen Walls = 35,126 SF

Interior/Exterior SF total = 354,162 SF (319,036 SF + 35,126 SF)

Vehicle Trips - Construction Only

Consumer Products - Construction Only

Area Coating - Construction Only

Landscape Equipment - Construction Only

Energy Use - Construction Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - All Tier III Equipment and Watering 3x day

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	641,921.00	354,162.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,925,763.00	354,162.00

tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	0
tblAreaCoating	Area_Nonresidential_Interior	1925763	1851240
tblAreaCoating	ReapplicationRatePercent	10	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	0	250
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	1,110.00	225.00
tblConstructionPhase	NumDays	70.00	10.00
tblConstructionPhase	NumDays	110.00	65.00
tblConstructionPhase	PhaseEndDate	11/23/2017	8/10/2017
tblConstructionPhase	PhaseEndDate	6/22/2017	4/27/2017
tblConstructionPhase	PhaseStartDate	8/11/2017	4/28/2017
tblConstructionPhase	PhaseStartDate	8/12/2016	6/17/2016
tblEnergyUse	LightingElect	0.88	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.45	0.00
tblEnergyUse	T24NG	2.11	0.00
tblLandUse	LotAcreage	28.90	47.01

tblOffRoadEquipment	HorsePower	84.00	300.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	1,183.51	0.00
tblTripsAndVMT	VendorTripNumber	342.00	206.00
tblVehicleTrips	ST_TR	2.59	0.00
tblVehicleTrips	SU_TR	2.59	0.00
tblVehicleTrips	WD_TR	2.59	0.00
tblWater	IndoorWaterUseRate	291,155,312.50	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	41.3253	3.2800e-003	0.3459	3.0000e-005	0.0000	1.2500e-003	1.2500e-003	0.0000	1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003	0.0000	0.7703

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	41.3253	3.2800e-003	0.3459	3.0000e-005	0.0000	1.2500e-003	1.2500e-003	0.0000	1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003	0.0000	0.7703

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Grading	Grading	1/15/2016	4/14/2016	5	65	
3	Underground Utilities	Trenching	4/15/2016	6/16/2016	5	45	
4	Landscape	Site Preparation	6/17/2016	8/11/2016	5	40	
5	Building Construction	Building Construction	6/17/2016	4/27/2017	5	225	
6	Paving & Site Finishes	Paving	4/28/2017	8/10/2017	5	75	
7	Architectural Finishes	Architectural Coating	4/28/2017	8/10/2017	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 552.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 354,162; Non-Residential Outdoor: 354,162 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Excavators	1	8.00	162	0.38
Grading	Generator Sets	1	8.00	300	0.74
Grading	Graders	1	8.00	174	0.41
Grading	Off-Highway Trucks	2	8.00	400	0.38
Grading	Rubber Tired Dozers	5	8.00	255	0.40
Grading	Scrapers	8	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Underground Utilities	Excavators	3	8.00	162	0.38
Underground Utilities	Off-Highway Trucks	2	8.00	400	0.38
Underground Utilities	Rubber Tired Dozers	1	8.00	255	0.40
Underground Utilities	Rubber Tired Loaders	1	8.00	199	0.36
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	3	8.00	84	0.74
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	6	8.00	46	0.45
Landscape	Rubber Tired Dozers	0	8.00	255	0.40
Landscape	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving & Site Finishes	Pavers	2	8.00	125	0.42
Paving & Site Finishes	Paving Equipment	2	8.00	130	0.36
Paving & Site Finishes	Rollers	2	8.00	80	0.38
Architectural Finishes	Aerial Lifts	4	8.00	62	0.31
Architectural Finishes	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	11.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Underground Utilities	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	876.00	206.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscape	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving & Site Finishes	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Finishes	6	175.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2476	0.0000	0.2476	0.0375	0.0000	0.0375			0.0000			0.0000
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4
Total	4.2876	45.6559	35.0303	0.0399	0.2476	2.2921	2.5397	0.0375	2.1365	2.1740		4,089.284 1	4,089.284 1	1.1121		4,112.637 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0171	0.3026	0.2047	7.8000e-004	0.0192	5.3500e-003	0.0245	5.2600e-003	4.9200e-003	0.0102		78.7997	78.7997	5.1000e-004		78.8104
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0723	0.7330	1.8400e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		152.0980	152.0980	7.1800e-003		152.2488
Total	0.0720	0.3749	0.9377	2.6200e-003	0.1869	6.4000e-003	0.1932	0.0497	5.8800e-003	0.0556		230.8978	230.8978	7.6900e-003		231.0592

3.2 Demolition - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0966	0.0000	0.0966	0.0146	0.0000	0.0146			0.0000			0.0000
Off-Road	1.4692	20.5260	25.1815	0.0399		1.0287	1.0287		1.0287	1.0287	0.0000	4,089.284 1	4,089.284 1	1.1121		4,112.637 4
Total	1.4692	20.5260	25.1815	0.0399	0.0966	1.0287	1.1253	0.0146	1.0287	1.0433	0.0000	4,089.284 1	4,089.284 1	1.1121		4,112.637 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0171	0.3026	0.2047	7.8000e-004	0.0192	5.3500e-003	0.0245	5.2600e-003	4.9200e-003	0.0102		78.7997	78.7997	5.1000e-004		78.8104
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0723	0.7330	1.8400e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		152.0980	152.0980	7.1800e-003		152.2488
Total	0.0720	0.3749	0.9377	2.6200e-003	0.1869	6.4000e-003	0.1932	0.0497	5.8800e-003	0.0556		230.8978	230.8978	7.6900e-003		231.0592

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.1247	0.0000	39.1247	17.5245	0.0000	17.5245			0.0000			0.0000
Off-Road	22.1587	264.4278	168.1022	0.2272		11.3509	11.3509		10.4691	10.4691		23,802.4563	23,802.4563	6.5907		23,940.8613
Total	22.1587	264.4278	168.1022	0.2272	39.1247	11.3509	50.4755	17.5245	10.4691	27.9936		23,802.4563	23,802.4563	6.5907		23,940.8613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1828	0.2410	2.4432	6.1200e-003	0.5589	3.4900e-003	0.5624	0.1482	3.2100e-003	0.1514		506.9935	506.9935	0.0239		507.4960
Total	0.1828	0.2410	2.4432	6.1200e-003	0.5589	3.4900e-003	0.5624	0.1482	3.2100e-003	0.1514		506.9935	506.9935	0.0239		507.4960

3.3 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.2586	0.0000	15.2586	6.8345	0.0000	6.8345			0.0000			0.0000
Off-Road	6.3284	72.1610	104.9974	0.2272		2.8986	2.8986		2.7930	2.7930	0.0000	23,802.4563	23,802.4563	6.5907		23,940.8613
Total	6.3284	72.1610	104.9974	0.2272	15.2586	2.8986	18.1572	6.8345	2.7930	9.6276	0.0000	23,802.4563	23,802.4563	6.5907		23,940.8613

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1828	0.2410	2.4432	6.1200e-003	0.5589	3.4900e-003	0.5624	0.1482	3.2100e-003	0.1514		506.9935	506.9935	0.0239		507.4960
Total	0.1828	0.2410	2.4432	6.1200e-003	0.5589	3.4900e-003	0.5624	0.1482	3.2100e-003	0.1514		506.9935	506.9935	0.0239		507.4960

3.4 Underground Utilities - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7836	55.3300	32.7129	0.0572		2.3387	2.3387		2.1516	2.1516		5,943.2492	5,943.2492	1.7927		5,980.8958
Total	4.7836	55.3300	32.7129	0.0572		2.3387	2.3387		2.1516	2.1516		5,943.2492	5,943.2492	1.7927		5,980.8958

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0658	0.0868	0.8796	2.2000e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		182.5176	182.5176	8.6100e-003		182.6986
Total	0.0658	0.0868	0.8796	2.2000e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		182.5176	182.5176	8.6100e-003		182.6986

3.4 Underground Utilities - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9875	39.8972	28.6717	0.0572		1.5624	1.5624		1.4792	1.4792	0.0000	5,943.2492	5,943.2492	1.7927		5,980.8958
Total	2.9875	39.8972	28.6717	0.0572		1.5624	1.5624		1.4792	1.4792	0.0000	5,943.2492	5,943.2492	1.7927		5,980.8958

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0658	0.0868	0.8796	2.2000e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		182.5176	182.5176	8.6100e-003		182.6986
Total	0.0658	0.0868	0.8796	2.2000e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		182.5176	182.5176	8.6100e-003		182.6986

3.5 Landscape - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306		323.6773	323.6773	0.0976		325.7276
Total	0.3406	3.2551	2.4126	3.1100e-003	0.0000	0.2506	0.2506	0.0000	0.2306	0.2306		323.6773	323.6773	0.0976		325.7276

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0110	0.0145	0.1466	3.7000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		30.4196	30.4196	1.4400e-003		30.4498
Total	0.0110	0.0145	0.1466	3.7000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		30.4196	30.4196	1.4400e-003		30.4498

3.5 Landscape - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306	0.0000	323.6773	323.6773	0.0976		325.7276
Total	0.3406	3.2551	2.4126	3.1100e-003	0.0000	0.2506	0.2506	0.0000	0.2306	0.2306	0.0000	323.6773	323.6773	0.0976		325.7276

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0110	0.0145	0.1466	3.7000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		30.4196	30.4196	1.4400e-003		30.4498
Total	0.0110	0.0145	0.1466	3.7000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		30.4196	30.4196	1.4400e-003		30.4498

3.6 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1508	54.8891	40.2278	0.0592		3.7216	3.7216		3.5733	3.5733		5,627.0458	5,627.0458	1.2314		5,652.9041
Total	8.1508	54.8891	40.2278	0.0592		3.7216	3.7216		3.5733	3.5733		5,627.0458	5,627.0458	1.2314		5,652.9041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7075	17.7207	20.5818	0.0430	1.2961	0.3385	1.6346	0.3702	0.3113	0.6815		4,314.7045	4,314.7045	0.0293		4,315.3192
Worker	3.2020	4.2221	42.8055	0.1073	9.7916	0.0612	9.8528	2.5968	0.0563	2.6531		8,882.5254	8,882.5254	0.4192		8,891.3293
Total	4.9094	21.9429	63.3873	0.1503	11.0877	0.3997	11.4874	2.9670	0.3676	3.3346		13,197.2298	13,197.2298	0.4485		13,206.6485

3.6 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1508	54.8891	40.2278	0.0592		3.7216	3.7216		3.5733	3.5733	0.0000	5,627.0458	5,627.0458	1.2314		5,652.9041
Total	8.1508	54.8891	40.2278	0.0592		3.7216	3.7216		3.5733	3.5733	0.0000	5,627.0458	5,627.0458	1.2314		5,652.9041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.7075	17.7207	20.5818	0.0430	1.2961	0.3385	1.6346	0.3702	0.3113	0.6815		4,314.7045	4,314.7045	0.0293		4,315.3192
Worker	3.2020	4.2221	42.8055	0.1073	9.7916	0.0612	9.8528	2.5968	0.0563	2.6531		8,882.5254	8,882.5254	0.4192		8,891.3293
Total	4.9094	21.9429	63.3873	0.1503	11.0877	0.3997	11.4874	2.9670	0.3676	3.3346		13,197.2298	13,197.2298	0.4485		13,206.6485

3.6 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.3698	51.2738	39.4605	0.0592		3.3666	3.3666		3.2307	3.2307		5,586.7024	5,586.7024	1.1784		5,611.4481
Total	7.3698	51.2738	39.4605	0.0592		3.3666	3.3666		3.2307	3.2307		5,586.7024	5,586.7024	1.1784		5,611.4481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5389	16.0614	19.4408	0.0429	1.2961	0.3033	1.5993	0.3702	0.2789	0.6491		4,241.7332	4,241.7332	0.0283		4,242.3267
Worker	2.8605	3.7849	38.3304	0.1072	9.7916	0.0595	9.8511	2.5968	0.0549	2.6517		8,529.8845	8,529.8845	0.3845		8,537.9596
Total	4.3994	19.8463	57.7712	0.1502	11.0877	0.3628	11.4505	2.9670	0.3338	3.3008		12,771.6177	12,771.6177	0.4128		12,780.2862

3.6 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.3698	51.2738	39.4605	0.0592		3.3666	3.3666		3.2307	3.2307	0.0000	5,586.7024	5,586.7024	1.1784		5,611.4481
Total	7.3698	51.2738	39.4605	0.0592		3.3666	3.3666		3.2307	3.2307	0.0000	5,586.7024	5,586.7024	1.1784		5,611.4481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.5389	16.0614	19.4408	0.0429	1.2961	0.3033	1.5993	0.3702	0.2789	0.6491		4,241.7332	4,241.7332	0.0283		4,242.3267
Worker	2.8605	3.7849	38.3304	0.1072	9.7916	0.0595	9.8511	2.5968	0.0549	2.6517		8,529.8845	8,529.8845	0.3845		8,537.9596
Total	4.3994	19.8463	57.7712	0.1502	11.0877	0.3628	11.4505	2.9670	0.3338	3.3008		12,771.6177	12,771.6177	0.4128		12,780.2862

3.7 Paving & Site Finishes - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.5568	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0648	0.6563	1.8400e-003	0.1677	1.0200e-003	0.1687	0.0445	9.4000e-004	0.0454		146.0597	146.0597	6.5800e-003		146.1979
Total	0.0490	0.0648	0.6563	1.8400e-003	0.1677	1.0200e-003	0.1687	0.0445	9.4000e-004	0.0454		146.0597	146.0597	6.5800e-003		146.1979

3.7 Paving & Site Finishes - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.5568	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0490	0.0648	0.6563	1.8400e-003	0.1677	1.0200e-003	0.1687	0.0445	9.4000e-004	0.0454		146.0597	146.0597	6.5800e-003		146.1979
Total	0.0490	0.0648	0.6563	1.8400e-003	0.1677	1.0200e-003	0.1687	0.0445	9.4000e-004	0.0454		146.0597	146.0597	6.5800e-003		146.1979

3.8 Architectural Finishes - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.7744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0796	9.0317	9.2992	0.0145		0.5754	0.5754		0.5663	0.5663		1,426.2466	1,426.2466	0.2863		1,432.2584
Total	44.8540	9.0317	9.2992	0.0145		0.5754	0.5754		0.5663	0.5663		1,426.2466	1,426.2466	0.2863		1,432.2584

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5715	0.7561	7.6573	0.0214	1.9561	0.0119	1.9680	0.5188	0.0110	0.5297		1,704.0294	1,704.0294	0.0768		1,705.6426
Total	0.5715	0.7561	7.6573	0.0214	1.9561	0.0119	1.9680	0.5188	0.0110	0.5297		1,704.0294	1,704.0294	0.0768		1,705.6426

3.8 Architectural Finishes - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.7744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0796	9.0317	9.2992	0.0145		0.5754	0.5754		0.5663	0.5663	0.0000	1,426.2466	1,426.2466	0.2863		1,432.2584
Total	44.8540	9.0317	9.2992	0.0145		0.5754	0.5754		0.5663	0.5663	0.0000	1,426.2466	1,426.2466	0.2863		1,432.2584

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.5715	0.7561	7.6573	0.0214	1.9561	0.0119	1.9680	0.5188	0.0110	0.5297		1,704.0294	1,704.0294	0.0768		1,705.6426
Total	0.5715	0.7561	7.6573	0.0214	1.9561	0.0119	1.9680	0.5188	0.0110	0.5297		1,704.0294	1,704.0294	0.0768		1,705.6426

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.460962	0.069557	0.176974	0.170659	0.045477	0.007383	0.012841	0.043558	0.000954	0.001056	0.006454	0.000884	0.003242

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Unmitigated	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Knox Business Park
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,259.05	1000sqft	47.01	1,259,050.00	0
Parking Lot	2,066.00	Space	18.59	826,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 601 Auto Stalls + 1,465 Auto Stall Equivalents for trucks (448 Trailer Stalls x 3.27 factor since trailer parking is larger than auto)

Construction Phase - Construction schedule based on a 2017 opening year

Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

Off-road Equipment - based on on consultation with the applicant

Trips and VMT -

Demolition -

Grading -

Architectural Coating - Interior/Exterior SF determined by 6,788 L.F. x 47 ft height for Building Wall = 319,036SF

Interior/Exterior SF determined by 2,509 L.F. x 14 ft height for Screen Walls = 35,126 SF

Interior/Exterior SF total = 354,162 SF (319,036 SF + 35,126 SF)

Vehicle Trips - Construction Only

Consumer Products - Construction Only

Area Coating - Construction Only

Landscape Equipment - Construction Only

Energy Use - Construction Only

Water And Wastewater - Construction Only

Solid Waste - Construction Only

Construction Off-road Equipment Mitigation - All Tier III Equipment and Watering 3x day

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	641,921.00	354,162.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,925,763.00	354,162.00

tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	0
tblAreaCoating	Area_Nonresidential_Interior	1925763	1851240
tblAreaCoating	ReapplicationRatePercent	10	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	0	250
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	1,110.00	225.00
tblConstructionPhase	NumDays	70.00	10.00
tblConstructionPhase	NumDays	110.00	65.00
tblConstructionPhase	PhaseEndDate	11/23/2017	8/10/2017
tblConstructionPhase	PhaseEndDate	6/22/2017	4/27/2017
tblConstructionPhase	PhaseStartDate	8/11/2017	4/28/2017
tblConstructionPhase	PhaseStartDate	8/12/2016	6/17/2016
tblEnergyUse	LightingElect	0.88	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.45	0.00
tblEnergyUse	T24NG	2.11	0.00
tblLandUse	LotAcreage	28.90	47.01

tblOffRoadEquipment	HorsePower	84.00	300.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSolidWaste	SolidWasteGenerationRate	1,183.51	0.00
tblTripsAndVMT	VendorTripNumber	342.00	206.00
tblVehicleTrips	ST_TR	2.59	0.00
tblVehicleTrips	SU_TR	2.59	0.00
tblVehicleTrips	WD_TR	2.59	0.00
tblWater	IndoorWaterUseRate	291,155,312.50	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	41.3253	3.2800e-003	0.3459	3.0000e-005	0.0000	1.2500e-003	1.2500e-003	0.0000	1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003	0.0000	0.7703

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	41.3253	3.2800e-003	0.3459	3.0000e-005	0.0000	1.2500e-003	1.2500e-003	0.0000	1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003	0.0000	0.7703

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/14/2016	5	10	
2	Grading	Grading	1/15/2016	4/14/2016	5	65	
3	Underground Utilities	Trenching	4/15/2016	6/16/2016	5	45	
4	Landscape	Site Preparation	6/17/2016	8/11/2016	5	40	
5	Building Construction	Building Construction	6/17/2016	4/27/2017	5	225	
6	Paving & Site Finishes	Paving	4/28/2017	8/10/2017	5	75	
7	Architectural Finishes	Architectural Coating	4/28/2017	8/10/2017	5	75	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 552.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 354,162; Non-Residential Outdoor: 354,162 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Excavators	1	8.00	162	0.38
Grading	Generator Sets	1	8.00	300	0.74
Grading	Graders	1	8.00	174	0.41
Grading	Off-Highway Trucks	2	8.00	400	0.38
Grading	Rubber Tired Dozers	5	8.00	255	0.40
Grading	Scrapers	8	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Underground Utilities	Excavators	3	8.00	162	0.38
Underground Utilities	Off-Highway Trucks	2	8.00	400	0.38
Underground Utilities	Rubber Tired Dozers	1	8.00	255	0.40
Underground Utilities	Rubber Tired Loaders	1	8.00	199	0.36
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	8.00	89	0.20
Building Construction	Generator Sets	3	8.00	84	0.74
Building Construction	Other Construction Equipment	1	8.00	171	0.42
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	6	8.00	46	0.45
Landscape	Rubber Tired Dozers	0	8.00	255	0.40
Landscape	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Paving & Site Finishes	Pavers	2	8.00	125	0.42
Paving & Site Finishes	Paving Equipment	2	8.00	130	0.36
Paving & Site Finishes	Rollers	2	8.00	80	0.38
Architectural Finishes	Aerial Lifts	4	8.00	62	0.31
Architectural Finishes	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	11.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	20	50.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Underground Utilities	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	16	876.00	206.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscape	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving & Site Finishes	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Finishes	6	175.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2476	0.0000	0.2476	0.0375	0.0000	0.0375			0.0000			0.0000
Off-Road	4.2876	45.6559	35.0303	0.0399		2.2921	2.2921		2.1365	2.1365		4,089.284 1	4,089.284 1	1.1121		4,112.637 4
Total	4.2876	45.6559	35.0303	0.0399	0.2476	2.2921	2.5397	0.0375	2.1365	2.1740		4,089.284 1	4,089.284 1	1.1121		4,112.637 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0165	0.2915	0.1861	7.8000e-004	0.0192	5.3300e-003	0.0245	5.2600e-003	4.9100e-003	0.0102		78.9941	78.9941	5.0000e-004		79.0046
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0575	0.0679	0.8507	2.0100e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		166.4372	166.4372	7.1800e-003		166.5880
Total	0.0739	0.3594	1.0367	2.7900e-003	0.1869	6.3800e-003	0.1932	0.0497	5.8700e-003	0.0556		245.4313	245.4313	7.6800e-003		245.5926

3.2 Demolition - 2016**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0966	0.0000	0.0966	0.0146	0.0000	0.0146			0.0000			0.0000
Off-Road	1.4692	20.5260	25.1815	0.0399		1.0287	1.0287		1.0287	1.0287	0.0000	4,089.284 1	4,089.284 1	1.1121		4,112.637 4
Total	1.4692	20.5260	25.1815	0.0399	0.0966	1.0287	1.1253	0.0146	1.0287	1.0433	0.0000	4,089.284 1	4,089.284 1	1.1121		4,112.637 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0165	0.2915	0.1861	7.8000e-004	0.0192	5.3300e-003	0.0245	5.2600e-003	4.9100e-003	0.0102		78.9941	78.9941	5.0000e-004		79.0046
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0575	0.0679	0.8507	2.0100e-003	0.1677	1.0500e-003	0.1687	0.0445	9.6000e-004	0.0454		166.4372	166.4372	7.1800e-003		166.5880
Total	0.0739	0.3594	1.0367	2.7900e-003	0.1869	6.3800e-003	0.1932	0.0497	5.8700e-003	0.0556		245.4313	245.4313	7.6800e-003		245.5926

3.3 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					39.1247	0.0000	39.1247	17.5245	0.0000	17.5245			0.0000			0.0000
Off-Road	22.1587	264.4278	168.1022	0.2272		11.3509	11.3509		10.4691	10.4691		23,802.4563	23,802.4563	6.5907		23,940.8613
Total	22.1587	264.4278	168.1022	0.2272	39.1247	11.3509	50.4755	17.5245	10.4691	27.9936		23,802.4563	23,802.4563	6.5907		23,940.8613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1916	0.2262	2.8355	6.7100e-003	0.5589	3.4900e-003	0.5624	0.1482	3.2100e-003	0.1514		554.7908	554.7908	0.0239		555.2933
Total	0.1916	0.2262	2.8355	6.7100e-003	0.5589	3.4900e-003	0.5624	0.1482	3.2100e-003	0.1514		554.7908	554.7908	0.0239		555.2933

3.3 Grading - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.2586	0.0000	15.2586	6.8345	0.0000	6.8345			0.0000			0.0000
Off-Road	6.3284	72.1610	104.9974	0.2272		2.8986	2.8986		2.7930	2.7930	0.0000	23,802.4563	23,802.4563	6.5907		23,940.8613
Total	6.3284	72.1610	104.9974	0.2272	15.2586	2.8986	18.1572	6.8345	2.7930	9.6276	0.0000	23,802.4563	23,802.4563	6.5907		23,940.8613

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1916	0.2262	2.8355	6.7100e-003	0.5589	3.4900e-003	0.5624	0.1482	3.2100e-003	0.1514		554.7908	554.7908	0.0239		555.2933
Total	0.1916	0.2262	2.8355	6.7100e-003	0.5589	3.4900e-003	0.5624	0.1482	3.2100e-003	0.1514		554.7908	554.7908	0.0239		555.2933

3.4 Underground Utilities - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.7836	55.3300	32.7129	0.0572		2.3387	2.3387		2.1516	2.1516		5,943.249 2	5,943.249 2	1.7927		5,980.895 8
Total	4.7836	55.3300	32.7129	0.0572		2.3387	2.3387		2.1516	2.1516		5,943.249 2	5,943.249 2	1.7927		5,980.895 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0814	1.0208	2.4100e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		199.7247	199.7247	8.6100e-003		199.9056
Total	0.0690	0.0814	1.0208	2.4100e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		199.7247	199.7247	8.6100e-003		199.9056

3.4 Underground Utilities - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9875	39.8972	28.6717	0.0572		1.5624	1.5624		1.4792	1.4792	0.0000	5,943.2492	5,943.2492	1.7927		5,980.8958
Total	2.9875	39.8972	28.6717	0.0572		1.5624	1.5624		1.4792	1.4792	0.0000	5,943.2492	5,943.2492	1.7927		5,980.8958

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0814	1.0208	2.4100e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		199.7247	199.7247	8.6100e-003		199.9056
Total	0.0690	0.0814	1.0208	2.4100e-003	0.2012	1.2600e-003	0.2025	0.0534	1.1600e-003	0.0545		199.7247	199.7247	8.6100e-003		199.9056

3.5 Landscape - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306		323.6773	323.6773	0.0976		325.7276
Total	0.3406	3.2551	2.4126	3.1100e-003	0.0000	0.2506	0.2506	0.0000	0.2306	0.2306		323.6773	323.6773	0.0976		325.7276

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0115	0.0136	0.1701	4.0000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		33.2875	33.2875	1.4400e-003		33.3176
Total	0.0115	0.0136	0.1701	4.0000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		33.2875	33.2875	1.4400e-003		33.3176

3.5 Landscape - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.3406	3.2551	2.4126	3.1100e-003		0.2506	0.2506		0.2306	0.2306	0.0000	323.6773	323.6773	0.0976		325.7276
Total	0.3406	3.2551	2.4126	3.1100e-003	0.0000	0.2506	0.2506	0.0000	0.2306	0.2306	0.0000	323.6773	323.6773	0.0976		325.7276

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0115	0.0136	0.1701	4.0000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		33.2875	33.2875	1.4400e-003		33.3176
Total	0.0115	0.0136	0.1701	4.0000e-004	0.0335	2.1000e-004	0.0337	8.8900e-003	1.9000e-004	9.0900e-003		33.2875	33.2875	1.4400e-003		33.3176

3.6 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1508	54.8891	40.2278	0.0592		3.7216	3.7216		3.5733	3.5733		5,627.0458	5,627.0458	1.2314		5,652.9041
Total	8.1508	54.8891	40.2278	0.0592		3.7216	3.7216		3.5733	3.5733		5,627.0458	5,627.0458	1.2314		5,652.9041

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6020	17.2866	18.1018	0.0434	1.2961	0.3355	1.6316	0.3702	0.3086	0.6788		4,352.3717	4,352.3717	0.0283		4,352.9664
Worker	3.3565	3.9635	49.6785	0.1175	9.7916	0.0612	9.8528	2.5968	0.0563	2.6531		9,719.9350	9,719.9350	0.4192		9,728.7389
Total	4.9586	21.2501	67.7802	0.1609	11.0877	0.3967	11.4844	2.9670	0.3648	3.3318		14,072.3067	14,072.3067	0.4476		14,081.7053

3.6 Building Construction - 2016

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1508	54.8891	40.2278	0.0592		3.7216	3.7216		3.5733	3.5733	0.0000	5,627.0458	5,627.0458	1.2314		5,652.9041
Total	8.1508	54.8891	40.2278	0.0592		3.7216	3.7216		3.5733	3.5733	0.0000	5,627.0458	5,627.0458	1.2314		5,652.9041

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.6020	17.2866	18.1018	0.0434	1.2961	0.3355	1.6316	0.3702	0.3086	0.6788		4,352.3717	4,352.3717	0.0283		4,352.9664
Worker	3.3565	3.9635	49.6785	0.1175	9.7916	0.0612	9.8528	2.5968	0.0563	2.6531		9,719.9350	9,719.9350	0.4192		9,728.7389
Total	4.9586	21.2501	67.7802	0.1609	11.0877	0.3967	11.4844	2.9670	0.3648	3.3318		14,072.3067	14,072.3067	0.4476		14,081.7053

3.6 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.3698	51.2738	39.4605	0.0592		3.3666	3.3666		3.2307	3.2307		5,586.7024	5,586.7024	1.1784		5,611.4481
Total	7.3698	51.2738	39.4605	0.0592		3.3666	3.3666		3.2307	3.2307		5,586.7024	5,586.7024	1.1784		5,611.4481

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4455	15.6793	16.8958	0.0433	1.2961	0.3007	1.5968	0.3702	0.2766	0.6468		4,278.8810	4,278.8810	0.0273		4,279.4541
Worker	3.0067	3.5562	44.6152	0.1175	9.7916	0.0595	9.8511	2.5968	0.0549	2.6517		9,335.1491	9,335.1491	0.3845		9,343.2241
Total	4.4522	19.2355	61.5110	0.1608	11.0877	0.3602	11.4479	2.9670	0.3315	3.2985		13,614.0301	13,614.0301	0.4118		13,622.6782

3.6 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.3698	51.2738	39.4605	0.0592		3.3666	3.3666		3.2307	3.2307	0.0000	5,586.7024	5,586.7024	1.1784		5,611.4481
Total	7.3698	51.2738	39.4605	0.0592		3.3666	3.3666		3.2307	3.2307	0.0000	5,586.7024	5,586.7024	1.1784		5,611.4481

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.4455	15.6793	16.8958	0.0433	1.2961	0.3007	1.5968	0.3702	0.2766	0.6468		4,278.8810	4,278.8810	0.0273		4,279.4541
Worker	3.0067	3.5562	44.6152	0.1175	9.7916	0.0595	9.8511	2.5968	0.0549	2.6517		9,335.1491	9,335.1491	0.3845		9,343.2241
Total	4.4522	19.2355	61.5110	0.1608	11.0877	0.3602	11.4479	2.9670	0.3315	3.2985		13,614.0301	13,614.0301	0.4118		13,622.6782

3.7 Paving & Site Finishes - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.5568	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473		2,281.0588	2,281.0588	0.6989		2,295.7360

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0515	0.0609	0.7640	2.0100e-003	0.1677	1.0200e-003	0.1687	0.0445	9.4000e-004	0.0454		159.8484	159.8484	6.5800e-003		159.9867
Total	0.0515	0.0609	0.7640	2.0100e-003	0.1677	1.0200e-003	0.1687	0.0445	9.4000e-004	0.0454		159.8484	159.8484	6.5800e-003		159.9867

3.7 Paving & Site Finishes - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9074	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360
Paving	0.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.5568	20.2964	14.7270	0.0223		1.1384	1.1384		1.0473	1.0473	0.0000	2,281.0588	2,281.0588	0.6989		2,295.7360

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0515	0.0609	0.7640	2.0100e-003	0.1677	1.0200e-003	0.1687	0.0445	9.4000e-004	0.0454		159.8484	159.8484	6.5800e-003		159.9867
Total	0.0515	0.0609	0.7640	2.0100e-003	0.1677	1.0200e-003	0.1687	0.0445	9.4000e-004	0.0454		159.8484	159.8484	6.5800e-003		159.9867

3.8 Architectural Finishes - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	43.7744					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	1.0796	9.0317	9.2992	0.0145		0.5754	0.5754		0.5663	0.5663		1,426.2466	1,426.2466	0.2863			1,432.2584
Total	44.8540	9.0317	9.2992	0.0145		0.5754	0.5754		0.5663	0.5663		1,426.2466	1,426.2466	0.2863			1,432.2584

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.6007	0.7104	8.9129	0.0235	1.9561	0.0119	1.9680	0.5188	0.0110	0.5297		1,864.8985	1,864.8985	0.0768			1,866.5117
Total	0.6007	0.7104	8.9129	0.0235	1.9561	0.0119	1.9680	0.5188	0.0110	0.5297		1,864.8985	1,864.8985	0.0768			1,866.5117

3.8 Architectural Finishes - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	43.7744					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0796	9.0317	9.2992	0.0145		0.5754	0.5754		0.5663	0.5663	0.0000	1,426.2466	1,426.2466	0.2863		1,432.2584
Total	44.8540	9.0317	9.2992	0.0145		0.5754	0.5754		0.5663	0.5663	0.0000	1,426.2466	1,426.2466	0.2863		1,432.2584

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.6007	0.7104	8.9129	0.0235	1.9561	0.0119	1.9680	0.5188	0.0110	0.5297		1,864.8985	1,864.8985	0.0768		1,866.5117
Total	0.6007	0.7104	8.9129	0.0235	1.9561	0.0119	1.9680	0.5188	0.0110	0.5297		1,864.8985	1,864.8985	0.0768		1,866.5117

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.460962	0.069557	0.176974	0.170659	0.045477	0.007383	0.012841	0.043558	0.000954	0.001056	0.006454	0.000884	0.003242

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Pail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Unmitigated	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	41.3253	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

BLASTING

E= .000014(A)^{1.5}*.52 lbs PM10/lbs TSP

E= PM10 emissions, lbs/total

A= Area to be blasted (SF)

A(day)= 5,000

E= 2.57 lbs PM10/day without watering

E= 0.54 lbs PM2.5/day without watering

CE= 50.00% pre-wetting blasting areas and stabilizing soils once blasting is complete
(Source:Western regional Air Partnership)

E= 1.29 lbs of PM10/day with watering

E= 0.270 lbs of PM2.5/day with watering

Source for 50% control efficiency: http://www.wrapair.org/forums/dejf/fdh/content/FDHandbook_Rev_06.pdf

Phase 3 - Crushing Operations PM 10 & PM 2.5 Fugitive Dust Emissions

Crusher	Tons/day Processed	Controlled Emission Factor (lb/ton) ¹	Max Daily Emissions (lb/day)
PM 10	2759.14	0.00054	1.489934769
PM 2.5	2759.14	0.0001	0.275913846
Note: 2,759.14 tons/day Processed = (112,090 cy * 1.6 tons/cy ÷ 65 working days) ¹ Controlled Emission Factor U.S. EPA AP 42 11.19.2-2			

1.6 tons per cubic yard is industry standard conversion for estimating gravel rock tonnage which is similar to blasted rock materials.

Knox Business Park - Passenger Cars Only
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,259.05	1000sqft	47.01	1,259,050.00	0
Parking Lot	2,066.00	Space	18.59	826,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 601 Auto Stalls + 1,465 Auto Stall Equivalents for trucks (448 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Vehicle Trips - Passenger Car Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Water Mitigation -

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	28.90	47.01
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04
tblWater	IndoorWaterUseRate	291,155,312.50	16,031,890.31

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
Mobile	2.5765	2.7129	37.3275	0.1243	11.7125	0.0570	11.7695	3.1048	0.0526	3.1574		9,626.0777	9,626.0777	0.3330		9,633.0708
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	53.5975	21.0714	45.5583	0.1476	11.7125	0.9112	12.6236	3.1048	0.8422	3.9470		12,364.9824	12,364.9824	0.9654	0.0133	12,389.3833

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055
Mobile	2.5701	2.6888	36.9922	0.1231	11.5953	0.0566	11.6519	3.0738	0.0522	3.1259		9,531.5339	9,531.5339	0.3299		9,538.4615
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	53.5879	21.0176	45.1980	0.1462	11.5953	0.9084	12.5037	3.0738	0.8395	3.9133		12,234.7267	12,234.7267	0.9616	0.0127	12,258.8447

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.77	84.49	16.98	14.28	1.00	88.86	7.34	1.00	88.47	19.66	0.00	17.32	17.32	64.25	4.95	17.40

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	4/7/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	2.5765	2.7129	37.3275	0.1243	11.7125	0.0570	11.7695	3.1048	0.0526	3.1574		9,626.0777	9,626.0777	0.3330		9,633.0708
Mitigated	2.5701	2.6888	36.9922	0.1231	11.5953	0.0566	11.6519	3.0738	0.0522	3.1259		9,531.5339	9,531.5339	0.3299		9,538.4615

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,309.41	1,309.41	1309.41	5,611,769	5,555,651
Total	1,309.41	1,309.41	1,309.41	5,611,769	5,555,651

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Unmitigated	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
NaturalGas Mitigated	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No	6174.52	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Fuel	5.87097	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Mitigated	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.1515					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.1515					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5274	4.5660	3.1228	3.8100e-003		0.3767	0.3767		0.3466	0.3466		390.6369	390.6369	0.1197		393.1504
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074

10.0 Vegetation

Knox Business Park - Passenger Cars Only
Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,259.05	1000sqft	47.01	1,259,050.00	0
Parking Lot	2,066.00	Space	18.59	826,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 601 Auto Stalls + 1,465 Auto Stall Equivalents for trucks (448 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Vehicle Trips - Passenger Car Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Water Mitigation -

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	28.90	47.01
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TL	6.90	61.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	WD_TR	2.59	0.64
tblWater	IndoorWaterUseRate	291,155,312.50	16,031,890.31

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
Mobile	18.4160	400.4864	171.8104	1.2537	39.7687	7.8184	47.5871	11.0397	7.1927	18.2323		124,278.5362	124,278.5362	0.8256		124,295.8737
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	69.4370	418.8450	180.0412	1.2770	39.7687	8.6725	48.4412	11.0397	7.9823	19.0219		127,017.4410	127,017.4410	1.4579	0.0133	127,052.1862

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055
Mobile	18.4160	400.4864	171.8104	1.2537	39.7687	7.8184	47.5871	11.0397	7.1927	18.2323		124,278.5362	124,278.5362	0.8256		124,295.8737
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	69.4338	418.8152	180.0162	1.2769	39.7687	8.6702	48.4389	11.0397	7.9800	19.0196		126,981.7290	126,981.7290	1.4573	0.0127	127,016.2569

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.13	4.24	4.11	1.55	0.00	9.33	1.67	0.00	9.33	3.91	0.00	1.61	1.61	42.33	4.95	1.62

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	4/7/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	18.4160	400.4864	171.8104	1.2537	39.7687	7.8184	47.5871	11.0397	7.1927	18.2323		124,278.5362	124,278.5362	0.8256		124,295.8737
Mitigated	18.4160	400.4864	171.8104	1.2537	39.7687	7.8184	47.5871	11.0397	7.1927	18.2323		124,278.5362	124,278.5362	0.8256		124,295.8737

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	805.79	805.79	805.79	16,684,989	16,684,989
Total	805.79	805.79	805.79	16,684,989	16,684,989

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	61.00	0.00	0.00	100.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.220300	0.000000	0.176600	0.603100	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Unmitigated	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
NaturalGas Mitigated	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Pail	6174.52	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Fuel	5.87097	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Mitigated	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.1515					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.1515					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5274	4.5660	3.1228	3.8100e-003		0.3767	0.3767		0.3466	0.3466		390.6369	390.6369	0.1197		393.1504
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074

10.0 Vegetation

Knox Business Park - Passenger Cars Only
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,259.05	1000sqft	47.01	1,259,050.00	0
Parking Lot	2,066.00	Space	18.59	826,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	515.47	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 601 Auto Stalls + 1,465 Auto Stall Equivalents for trucks (448 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Vehicle Trips - Passenger Car Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Trucks Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Water Mitigation -

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	28.90	47.01
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	HHD	0.04	0.60
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDA	0.46	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD1	0.05	0.22
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	MHD	0.01	0.18
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	CNW_TL	6.90	61.00
tblVehicleTrips	CNW_TTP	41.00	100.00
tblVehicleTrips	CW_TTP	59.00	0.00
tblVehicleTrips	ST_TR	2.59	0.64
tblVehicleTrips	SU_TR	2.59	0.64
tblVehicleTrips	WD_TR	2.59	0.64
tblWater	IndoorWaterUseRate	291,155,312.50	16,031,890.31

2.0 Emissions Summary

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
Mobile	18.7336	417.2237	180.9021	1.2527	39.7687	7.8249	47.5936	11.0397	7.1986	18.2383		124,167.4329	124,167.4329	0.8294		124,184.8505
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	69.7547	435.5823	189.1329	1.2761	39.7687	8.6790	48.4477	11.0397	7.9882	19.0279		126,906.3376	126,906.3376	1.4618	0.0133	126,941.1630

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055
Mobile	18.7336	417.2237	180.9021	1.2527	39.7687	7.8249	47.5936	11.0397	7.1986	18.2383		124,167.4329	124,167.4329	0.8294		124,184.8505
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	69.7514	435.5525	189.1079	1.2759	39.7687	8.6767	48.4454	11.0397	7.9859	19.0256		126,870.6256	126,870.6256	1.4611	0.0127	126,905.2337

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.12	4.08	3.91	1.56	0.00	9.32	1.67	0.00	9.32	3.91	0.00	1.61	1.61	42.21	4.95	1.62

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	4/7/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	18.7336	417.2237	180.9021	1.2527	39.7687	7.8249	47.5936	11.0397	7.1986	18.2383		124,167.4329	124,167.4329	0.8294		124,184.8505
Mitigated	18.7336	417.2237	180.9021	1.2527	39.7687	7.8249	47.5936	11.0397	7.1986	18.2383		124,167.4329	124,167.4329	0.8294		124,184.8505

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	805.79	805.79	805.79	16,684,989	16,684,989
Total	805.79	805.79	805.79	16,684,989	16,684,989

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	61.00	0.00	0.00	100.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.000000	0.000000	0.000000	0.000000	0.220300	0.000000	0.176600	0.603100	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Unmitigated	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
NaturalGas Mitigated	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	6174.52	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
Total		0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Fuel	5.87097	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Mitigated	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.1515					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.1515					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5274	4.5660	3.1228	3.8100e-003		0.3767	0.3767		0.3466	0.3466		390.6369	390.6369	0.1197		393.1504
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074

10.0 Vegetation

Knox Business Park - Passenger Cars Only
Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1,259.05	1000sqft	47.01	1,259,050.00	0
Parking Lot	2,066.00	Space	18.59	826,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	515.47	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor for 2017: CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Lot acreage totals 65.6 total acres for the Site. Parking spaces based on 601 Auto Stalls + 1,465 Auto Stall Equivalents for trucks (448 Trailer Stalls x 3.27 factor since trailer parking is larger than auto).

Construction Phase -

Off-road Equipment - Construction modeled separately.

Vehicle Trips - Passenger Car Only Trip Rate based on Traffic Study.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Vehicle Emission Factors - TR was based on the Knox Business Park TIA. TR for Passenger Cars Only.

Energy Use - Title-24 Electricity Energy Intensity and Title-24 Natural Gas Energy Intensity were adjusted by 21.8% and 16.8% respectively, to reflect 2013 Title 24 requirements. Source: Impact Analysis California's 2013 Building Energy Efficiency Standards (CEC 2013)

Water And Wastewater - Water usage based on 0.75 AFY per acre which is based on EMWD data for similar projects.

Mobile Land Use Mitigation -

Operational Off-Road Equipment - based on CARB Cargo Handling Equipment Yard Truck Emission Testing Report. hours per day based on the Port of Long Beach Air Emissions Inventory (July 2013)

Water Mitigation -

Area Mitigation -

Energy Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	0.45	0.35
tblEnergyUse	T24NG	2.11	1.76
tblLandUse	LotAcreage	28.90	47.01
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	365.00
tblOperationalOffRoadEquipment	OperFuelType	Diesel	CNG
tblOperationalOffRoadEquipment	OperHorsePower	97.00	200.00

tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	515.47
tblProjectCharacteristics	OperationalYear	2014	2017
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDA	0.46	1.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT1	0.07	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LDT2	0.18	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD1	0.05	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	LHD2	7.3830e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MCY	6.4540e-003	0.00
tblVehicleEF	MDV	0.17	0.00

tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MH	3.2420e-003	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	MHD	0.01	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	OBUS	9.5400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	SBUS	8.8400e-004	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleEF	UBUS	1.0560e-003	0.00
tblVehicleTrips	ST_TR	2.59	1.04
tblVehicleTrips	SU_TR	2.59	1.04
tblVehicleTrips	WD_TR	2.59	1.04
tblWater	IndoorWaterUseRate	291,155,312.50	16,031,890.31

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
Mobile	2.4114	2.8723	31.9874	0.1132	11.7125	0.0570	11.7695	3.1048	0.0526	3.1574		8,779.9743	8,779.9743	0.3330		8,786.9673
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	53.4325	21.2308	40.2183	0.1365	11.7125	0.9112	12.6236	3.1048	0.8422	3.9470		11,518.8790	11,518.8790	0.9654	0.0133	11,543.2799

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Energy	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055
Mobile	2.4057	2.8468	31.7161	0.1121	11.5953	0.0566	11.6519	3.0738	0.0522	3.1259		8,693.8915	8,693.8915	0.3299		8,700.8190
Offroad	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074
Total	53.4235	21.1756	39.9220	0.1353	11.5953	0.9084	12.5037	3.0738	0.8395	3.9133		11,397.0843	11,397.0843	0.9616	0.0127	11,421.2023

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	2.78	83.86	19.08	15.35	1.00	88.86	7.34	1.00	88.47	19.66	0.00	18.52	18.52	64.25	4.95	18.60

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	4/7/2016	5	70	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	0	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3.2 Demolition - 2016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.2 Demolition - 2016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	2.4114	2.8723	31.9874	0.1132	11.7125	0.0570	11.7695	3.1048	0.0526	3.1574		8,779.9743	8,779.9743	0.3330		8,786.9673
Mitigated	2.4057	2.8468	31.7161	0.1121	11.5953	0.0566	11.6519	3.0738	0.0522	3.1259		8,693.8915	8,693.8915	0.3299		8,700.8190

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	1,309.41	1,309.41	1309.41	5,611,769	5,555,651
Total	1,309.41	1,309.41	1,309.41	5,611,769	5,555,651

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
1.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Unmitigated	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
NaturalGas Mitigated	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	6174.52	0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349
Total		0.0666	0.6054	0.5085	3.6300e-003		0.0460	0.0460		0.0460	0.0460		726.4140	726.4140	0.0139	0.0133	730.8349

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Fuel	5.87097	0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0633	0.5756	0.4835	3.4500e-003		0.0437	0.0437		0.0437	0.0437		690.7021	690.7021	0.0132	0.0127	694.9055

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Unmitigated	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Mitigated	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.1515					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.1515					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.2919					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0334	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703
Total	49.4768	3.2800e-003	0.3459	3.0000e-005		1.2500e-003	1.2500e-003		1.2500e-003	1.2500e-003		0.7277	0.7277	2.0300e-003		0.7703

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	4.00	365	89	0.20	CNG
Tractors/Loaders/Backhoes	5	4.00	365	200	0.37	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5274	4.5660	3.1228	3.8100e-003		0.3767	0.3767		0.3466	0.3466		390.6369	390.6369	0.1197		393.1504
Tractors/Loaders/Backhoes	0.9503	13.1839	4.2537	0.0159		0.4302	0.4302		0.3958	0.3958		1,621.1261	1,621.1261	0.4967		1,631.5570
Total	1.4777	17.7499	7.3765	0.0197		0.8069	0.8069		0.7423	0.7423		2,011.7630	2,011.7630	0.6164		2,024.7074

10.0 Vegetation

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APPENDIX 3.3

AERMOD CONSTRUCTION AND OPERATIONAL LSTs

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	573.98338
MOLECULAR WEIGHT	46.0055
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.305235321

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	156.62276
MOLECULAR WEIGHT	46.0055
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.083289517

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	483.43955
MOLECULAR WEIGHT	28.01
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.422254507

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	84.97177
MOLECULAR WEIGHT	28.01
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.074217579

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	316.357
MOLECULAR WEIGHT	28.01
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.276318247

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	55.60492
MOLECULAR WEIGHT	28.01
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.048567454

```

**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 8/5/2016
** File: C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\CO\CO.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
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  MODELOPT DFAULT CONC
  AVERTIME 1 8
  URBANOPT 2100516
  POLLUTID CO
  FLAGPOLE 2.00
  RUNORNOT RUN
  ERRORFIL CO.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL26 VOLUME 475086.651 3746216.310 486.780
** DESCRSRC Mitigated
LOCATION VOL27 VOLUME 475132.931 3746215.160 486.000
** DESCRSRC Mitigated
LOCATION VOL28 VOLUME 475179.451 3746215.040 484.310
** DESCRSRC Mitigated
LOCATION VOL29 VOLUME 475002.141 3746168.980 490.300
** DESCRSRC Mitigated
LOCATION VOL30 VOLUME 475047.351 3746168.330 488.810
** DESCRSRC Mitigated
LOCATION VOL31 VOLUME 475093.521 3746168.050 487.280
** DESCRSRC Mitigated
LOCATION VOL32 VOLUME 475138.901 3746168.250 486.030
** DESCRSRC Mitigated
LOCATION VOL33 VOLUME 475181.051 3746168.700 484.450
** DESCRSRC Mitigated
LOCATION VOL34 VOLUME 475003.121 3746122.340 489.820
** DESCRSRC Mitigated
LOCATION VOL35 VOLUME 475049.361 3746122.280 489.010
** DESCRSRC Mitigated
LOCATION VOL36 VOLUME 475095.691 3746123.290 487.480
** DESCRSRC Mitigated
LOCATION VOL37 VOLUME 475141.001 3746123.430 486.190
** DESCRSRC Mitigated
LOCATION VOL38 VOLUME 475181.711 3746123.320 484.830
** DESCRSRC Mitigated
LOCATION VOL39 VOLUME 475003.761 3746075.640 490.540
** DESCRSRC Mitigated
LOCATION VOL40 VOLUME 475049.941 3746076.290 489.000
** DESCRSRC Mitigated
LOCATION VOL41 VOLUME 475095.781 3746076.650 487.880

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CO

** DESCRSRC Mitigated					
LOCATION VOL42	VOLUME	475140.831	3746077.490	486.970	
** DESCRSRC Mitigated					
LOCATION VOL43	VOLUME	475181.051	3746077.300	485.630	
** DESCRSRC Mitigated					
LOCATION VOL44	VOLUME	475003.111	3746038.500	491.150	
** DESCRSRC Mitigated					
LOCATION VOL45	VOLUME	475048.641	3746039.790	489.990	
** DESCRSRC Mitigated					
LOCATION VOL46	VOLUME	475094.491	3746041.130	488.960	
** DESCRSRC Mitigated					
LOCATION VOL47	VOLUME	475139.541	3746041.000	487.980	
** DESCRSRC Mitigated					
LOCATION VOL48	VOLUME	475181.051	3746039.830	486.640	
** DESCRSRC Mitigated					
LOCATION VOL49	VOLUME	475001.821	3746215.680	490.460	
** DESCRSRC Mitigated					
LOCATION VOL50	VOLUME	475040.961	3746215.940	488.560	
** DESCRSRC Mitigated					
LOCATION VOL3	VOLUME	475086.649	3746216.308	486.780	
** DESCRSRC Unmitigated					
LOCATION VOL4	VOLUME	475132.930	3746215.157	486.000	
** DESCRSRC Unmitigated					
LOCATION VOL5	VOLUME	475179.449	3746215.043	484.310	
** DESCRSRC Unmitigated					
LOCATION VOL6	VOLUME	475002.141	3746168.977	490.300	
** DESCRSRC Unmitigated					
LOCATION VOL7	VOLUME	475047.352	3746168.331	488.810	
** DESCRSRC Unmitigated					
LOCATION VOL8	VOLUME	475093.518	3746168.050	487.280	
** DESCRSRC Unmitigated					
LOCATION VOL9	VOLUME	475138.898	3746168.247	486.030	
** DESCRSRC Unmitigated					
LOCATION VOL10	VOLUME	475181.048	3746168.696	484.450	
** DESCRSRC Unmitigated					
LOCATION VOL11	VOLUME	475003.116	3746122.340	489.820	
** DESCRSRC Unmitigated					
LOCATION VOL12	VOLUME	475049.360	3746122.280	489.010	
** DESCRSRC Unmitigated					
LOCATION VOL13	VOLUME	475095.692	3746123.295	487.480	
** DESCRSRC Unmitigated					
LOCATION VOL14	VOLUME	475141.005	3746123.435	486.190	
** DESCRSRC Unmitigated					
LOCATION VOL15	VOLUME	475181.710	3746123.321	484.830	
** DESCRSRC Unmitigated					
LOCATION VOL16	VOLUME	475003.756	3746075.640	490.540	
** DESCRSRC Unmitigated					
LOCATION VOL17	VOLUME	475049.936	3746076.286	489.000	
** DESCRSRC Unmitigated					
LOCATION VOL18	VOLUME	475095.779	3746076.652	487.880	
** DESCRSRC Unmitigated					
LOCATION VOL19	VOLUME	475140.835	3746077.495	486.970	
** DESCRSRC Unmitigated					
LOCATION VOL20	VOLUME	475181.048	3746077.298	485.630	
** DESCRSRC Unmitigated					
LOCATION VOL21	VOLUME	475003.110	3746038.499	491.150	
** DESCRSRC Unmitigated					
LOCATION VOL22	VOLUME	475048.644	3746039.791	489.990	
** DESCRSRC Unmitigated					
LOCATION VOL23	VOLUME	475094.487	3746041.126	488.960	
** DESCRSRC Unmitigated					
LOCATION VOL24	VOLUME	475139.544	3746041.000	487.980	
** DESCRSRC Unmitigated					
LOCATION VOL25	VOLUME	475181.048	3746039.834	486.640	
** DESCRSRC Unmitigated					
LOCATION VOL1	VOLUME	475001.824	3746215.676	490.460	
** DESCRSRC Unmitigated					

LOCATION	VOL2	VOLUME	475040.963	3746215.939	CO	488.560
** DESCRSRC Unmitigated						
** Source Parameters **						
SRCPARAM	VOL26	0.0692971963	5.000	10.465	2.330	
SRCPARAM	VOL27	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL28	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL29	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL30	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL31	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL32	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL33	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL34	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL35	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL36	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL37	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL38	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL39	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL40	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL41	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL42	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL43	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL44	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL45	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL46	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL47	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL48	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL49	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL50	0.0693	5.000	10.465	2.330	
SRCPARAM	VOL3	0.1059026046	5.000	10.465	2.330	
SRCPARAM	VOL4	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL5	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL6	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL7	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL8	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL9	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL10	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL11	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL12	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL13	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL14	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL15	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL16	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL17	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL18	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL19	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL20	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL21	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL22	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL23	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL24	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL25	0.1059	5.000	10.465	2.330	
SRCPARAM	VOL1	0.1059	5.000	10.465	2.326	
SRCPARAM	VOL2	0.1059	5.000	10.465	2.326	
URBANSRC ALL						

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"

** Variable Emission Scenario: "construction"

EMISFACT	VOL26	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL26	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	VOL26	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0	0.0
EMISFACT	VOL26	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL27	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL27	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	VOL27	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0	0.0
EMISFACT	VOL27	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL28	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL28	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0	0.0

CO

EMISFACT VOL14	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL14	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL14	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL14	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL15	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL15	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL15	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL15	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL16	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL16	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL16	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL16	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL17	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL17	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL17	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL17	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL18	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL18	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL18	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL18	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL19	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL19	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL19	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL19	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL20	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL20	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL21	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL21	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL22	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL22	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL23	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL23	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL24	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL24	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL25	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL25	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL1	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL1	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2	HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL2	HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL2	HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP Unmit	VOL3 VOL4 VOL5 VOL6 VOL7 VOL8 VOL9 VOL10 VOL11 VOL12
SRCGROUP Unmit	VOL13 VOL14 VOL15 VOL16 VOL17 VOL18 VOL19 VOL20 VOL21
SRCGROUP Unmit	VOL22 VOL23 VOL24 VOL25 VOL1 VOL2
SRCGROUP Mit	VOL26 VOL27 VOL28 VOL29 VOL30 VOL31 VOL32 VOL33 VOL34
SRCGROUP Mit	VOL35 VOL36 VOL37 VOL38 VOL39 VOL40 VOL41 VOL42 VOL43
SRCGROUP Mit	VOL44 VOL45 VOL46 VOL47 VOL48 VOL49 VOL50
SRCGROUP ALL	

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED CO.rou
RE FINISHED
**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE "..\..\SRA24_Met Data\peri8.sfc"
PROFFILE "..\..\SRA24_Met Data\peri8.PFL"
SURFDATA 3190 2007
UAIRDATA 3190 2007
SITEDATA 99999 2007
PROFBASE 442.0 METERS

ME FINISHED
**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST CO.AD\01H1GALL.PLT 31
PLOTFILE 8 ALL 1ST CO.AD\08H1GALL.PLT 32
PLOTFILE 1 Unmit 1ST CO.AD\01H1G001.PLT 33
PLOTFILE 8 Unmit 1ST CO.AD\08H1G001.PLT 34
PLOTFILE 1 Mit 1ST CO.AD\01H1G002.PLT 35
PLOTFILE 8 Mit 1ST CO.AD\08H1G002.PLT 36
SUMMFILE CO.sum

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W531 422 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\CO\CO.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL CO URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 50 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 50 Source(s); 3 Source Group(s); and 64 Receptor(s)

- with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
- and: 50 VOLUME source(s)
- and: 0 AREA type source(s)
- and: 0 LINE source(s)
- and: 0 OPENPIT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**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)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.6 MB of RAM.

**Detailed Error/Message File: CO.err

**File for Summary of Results: CO.sum

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

Table with columns: 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), URBAN SOURCE, EMISSION RATE SCALAR VARY BY. Rows include VOL26 through VOL17.

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

CO

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
VOL18	0	0.10590E+00	475095.8	3746076.7	487.9	5.00	10.47	2.33	YES	HROFDY
VOL19	0	0.10590E+00	475140.8	3746077.5	487.0	5.00	10.47	2.33	YES	HROFDY
VOL20	0	0.10590E+00	475181.0	3746077.3	485.6	5.00	10.47	2.33	YES	HROFDY
VOL21	0	0.10590E+00	475003.1	3746038.5	491.2	5.00	10.47	2.33	YES	HROFDY
VOL22	0	0.10590E+00	475048.6	3746039.8	490.0	5.00	10.47	2.33	YES	HROFDY
VOL23	0	0.10590E+00	475094.5	3746041.1	489.0	5.00	10.47	2.33	YES	HROFDY
VOL24	0	0.10590E+00	475139.5	3746041.0	488.0	5.00	10.47	2.33	YES	HROFDY
VOL25	0	0.10590E+00	475181.0	3746039.8	486.6	5.00	10.47	2.33	YES	HROFDY
VOL1	0	0.10590E+00	475001.8	3746215.7	490.5	5.00	10.47	2.33	YES	HROFDY
VOL2	0	0.10590E+00	475041.0	3746215.9	488.6	5.00	10.47	2.33	YES	HROFDY

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
UNMIT VOL10	VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 ,
VOL18	VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 ,
	VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 , VOL1
	VOL2 ,
MIT VOL33	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL32 ,
VOL41	VOL34 , VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 ,
VOL49	VOL42 , VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 ,
	VOL50 ,
ALL VOL33	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL32 ,
VOL41	VOL34 , VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 ,
VOL49	VOL42 , VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 ,
	VOL50 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9

CO

VOL17 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 ,

VOL25 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 ,

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID URBAN POP SOURCE IDs

VOL33 , 2100516. VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL32
VOL41 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 ,
VOL49 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 ,
VOL50 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9
VOL17 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 ,
VOL25 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 ,

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

Table with 10 columns: HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR, HOUR, SCALAR. It lists emission rate scalars for various source IDs (VOL26, VOL3, VOL4, VOL5, VOL6, VOL7, VOL8, VOL9) across different hours of the day.

CO
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = VOL27 ; 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 = VOL28 ; 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 = VOL29 ; 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 = VOL30 ; 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

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 **MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR

SOURCE ID = VOL31 ; 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

CO

.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 = VOL32 ; 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 = VOL33 ; 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 = VOL34 ; 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 = VOL35 ; 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										

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 **MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :

CO													
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 = VOL37 ; 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 = VOL38 ; 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 = VOL39 ; 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 = VOL40 ; 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													

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 **MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
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CO

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :

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

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 **MODELOPTs: RegFAULT CONC ELEV FLGPOL URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
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CO

SCALAR

 SOURCE ID = VOL46 ; 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 = VOL47 ; 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 = VOL48 ; 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 = VOL49 ; 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 = VOL50 ; 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

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 **MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

HOUR SCALAR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
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SOURCE ID = VOL3      ; 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 = VOL4      ; 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 = VOL5      ; 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 = VOL6      ; 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 = VOL7      ; 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
  
```

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

SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SOURCE ID = VOL8 ; 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
.10000E+01		12		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00
.00000E+00		17	.00000E+00	18		19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

SOURCE ID = VOL9 ; 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
.10000E+01		12		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00
.00000E+00		17	.00000E+00	18		19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

SOURCE ID = VOL10 ; 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
.10000E+01		12		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00
.00000E+00		17	.00000E+00	18		19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

SOURCE ID = VOL11 ; 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
.10000E+01		12		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00
.00000E+00		17	.00000E+00	18		19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

SOURCE ID = VOL12 ; 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
.10000E+01		12		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00
.00000E+00		17	.00000E+00	18		19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :											
.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :											
.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :											
.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :											
.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :											
.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

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SOURCE ID = VOL18 ; 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 = VOL19 ; 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 = VOL20 ; 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 = VOL21 ; 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 = VOL22 ; 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

CO

.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\CO\CO.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SOURCE ID = VOL23 ; 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 = VOL24 ; 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 = VOL25 ; 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 = VOL1 ; 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 = VOL2 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.00000E+00

CO												
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												

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

(474747.9, 3745949.7, 510.2, 517.0, 2.0);	(474784.6, 3745949.7, 504.4, 521.0, 2.0);
(474821.2, 3745949.7, 500.6, 523.0, 2.0);	(474857.9, 3745949.7, 499.4, 517.0, 2.0);
(474894.6, 3745949.7, 498.2, 498.2, 2.0);	(474931.2, 3745949.7, 496.0, 496.0, 2.0);
(474967.9, 3745949.7, 494.7, 494.7, 2.0);	(475004.6, 3745949.7, 493.0, 493.0, 2.0);
(475041.3, 3745949.7, 489.9, 489.9, 2.0);	(475077.9, 3745949.7, 487.2, 487.2, 2.0);
(475114.6, 3745949.7, 486.9, 486.9, 2.0);	(475151.3, 3745949.7, 486.4, 486.4, 2.0);
(475187.9, 3745949.7, 486.4, 486.4, 2.0);	(475224.6, 3745949.7, 483.6, 483.6, 2.0);
(475261.3, 3745949.7, 482.0, 482.0, 2.0);	(475298.0, 3745949.7, 480.7, 480.7, 2.0);
(475334.6, 3745949.7, 479.5, 479.5, 2.0);	(475371.3, 3745949.7, 478.3, 478.3, 2.0);
(475408.0, 3745949.7, 478.0, 478.0, 2.0);	(475444.6, 3745949.7, 476.0, 476.0, 2.0);
(475481.3, 3745949.7, 475.6, 475.6, 2.0);	(474747.9, 3745959.5, 510.2, 517.0, 2.0);
(474784.6, 3745959.5, 504.1, 523.0, 2.0);	(474821.2, 3745959.5, 500.3, 523.0, 2.0);
(474857.9, 3745959.5, 498.9, 519.0, 2.0);	(474894.6, 3745959.5, 497.5, 497.5, 2.0);
(474931.2, 3745959.5, 495.6, 495.6, 2.0);	(474967.9, 3745959.5, 494.4, 494.4, 2.0);
(475004.6, 3745959.5, 492.7, 492.7, 2.0);	(475041.3, 3745959.5, 489.8, 489.8, 2.0);
(475077.9, 3745959.5, 487.4, 487.4, 2.0);	(475114.6, 3745959.5, 486.9, 486.9, 2.0);
(475151.3, 3745959.5, 486.9, 486.9, 2.0);	(475187.9, 3745959.5, 486.5, 486.5, 2.0);
(475224.6, 3745959.5, 483.8, 483.8, 2.0);	(475261.3, 3745959.5, 482.3, 482.3, 2.0);
(475298.0, 3745959.5, 481.1, 481.1, 2.0);	(475334.6, 3745959.5, 479.8, 479.8, 2.0);
(475371.3, 3745959.5, 478.6, 478.6, 2.0);	(475408.0, 3745959.5, 478.0, 478.0, 2.0);
(475444.6, 3745959.5, 476.3, 476.3, 2.0);	(475481.3, 3745959.5, 475.6, 475.6, 2.0);
(475854.1, 3746316.7, 466.2, 466.2, 2.0);	(475863.3, 3746274.2, 466.2, 466.2, 2.0);
(474664.9, 3746299.9, 509.9, 523.0, 0.0);	(474662.0, 3746153.1, 507.5, 507.5, 0.0);
(474663.5, 3746228.0, 510.2, 517.0, 0.0);	(474771.4, 3745956.1, 506.3, 521.0, 0.0);

(474870.6, 3745958.9, 498.4, 517.0, CO 0.0); (474997.2, 3745954.6, 493.4, 493.4,
 0.0);
 (475493.6, 3746291.3, 474.1, 474.1, 0.0); (475487.8, 3746194.9, 475.4, 475.4,
 0.0);
 (475489.2, 3746118.6, 475.4, 475.4, 0.0); (475487.8, 3746026.5, 475.2, 475.2,
 0.0);
 (475487.8, 3745983.4, 475.4, 475.4, 0.0); (475983.6, 3745850.6, 464.9, 464.9,
 0.0);
 (475666.2, 3746386.1, 469.2, 469.2, 0.0); (475458.0, 3746392.7, 473.6, 473.6,
 0.0);
 (475552.8, 3746390.5, 472.1, 472.1, 0.0); (475923.0, 3746380.6, 464.9, 464.9,
 0.0);
 (475680.6, 3746815.8, 467.0, 467.0, 0.0); (475845.8, 3746556.8, 465.5, 465.5,
 0.0);
 (475854.1, 3746316.7, 466.2, 466.2, 0.0); (475863.3, 3746274.2, 466.2, 466.2,
 0.0);

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1				

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,
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

Surface file: ..\..\SRA24_Met Data\peri8.sfc Met Version:
 14134
 Profile file: ..\..\SRA24_Met Data\peri8.PFL
 Surface format: FREE

CO

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN
Year: 2007

Upper air station no.: 3190
Name: UNKNOWN
Year: 2007

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	133.	9.1	279.9			
5.5																					
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	192.	9.1	279.2			
5.5																					
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	160.	9.1	277.5			
5.5																					
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	75.	9.1	277.5			
5.5																					
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	1.00	0.50	282.	9.1	278.8			
5.5																					
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	1.00	0.50	96.	9.1	277.5			
5.5																					
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	129.	9.1	278.1			
5.5																					
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	0.54	0.50	99.	9.1	277.5			
5.5																					
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	0.33	0.50	133.	9.1	278.1			
5.5																					
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	0.26	0.50	174.	9.1	281.4			
5.5																					
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	0.23	0.50	95.	9.1	284.9			
5.5																					
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	0.22	1.30	94.	9.1	288.1			
5.5																					
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	0.22	2.20	24.	9.1	291.4			
5.5																					
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	0.23	3.60	13.	9.1	292.5			
5.5																					
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	0.27	5.80	318.	9.1	292.0			
5.5																					
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	0.36	5.80	329.	9.1	291.4			
5.5																					
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00	0.64	4.50	333.	9.1	289.9			
5.5																					
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00	1.00	3.60	305.	9.1	288.8			
5.5																					
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00	1.00	4.50	276.	9.1	287.5			
5.5																					
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00	1.00	3.60	323.	9.1	287.5			
5.5																					
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00	1.00	4.00	322.	9.1	288.1			
5.5																					
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00	1.00	4.50	30.	9.1	288.1			
5.5																					
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00	1.00	4.00	343.	9.1	287.0			
5.5																					
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00	1.00	1.80	155.	9.1	283.8			
5.5																					

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

CO

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: UNMIT

INCLUDING SOURCE(S): VOL3 , VOL4 , VOL5 , VOL6 ,
VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL1 , VOL2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF CO		IN MICROGRAMS/M**3		**	
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
474747.90	3745949.70	271.80756	(08112908)	474784.57	3745949.70	333.41754	
(08112908)							
474821.24	3745949.70	367.83631	(08112908)	474857.91	3745949.70	396.19749	
(11011608)							
474894.58	3745949.70	427.77127	(11011608)	474931.25	3745949.70	444.80326	
(09123108)							
474967.92	3745949.70	470.43026	(07012208)	475004.59	3745949.70	476.43262	
(07012208)							
475041.26	3745949.70	346.00026	(11011508)	475077.93	3745949.70	265.04224	
(11011508)							
475114.60	3745949.70	263.31742	(11020308)	475151.27	3745949.70	276.10696	
(11121708)							
475187.94	3745949.70	296.75092	(11121708)	475224.61	3745949.70	290.58315	
(11121708)							
475261.28	3745949.70	249.18014	(11121708)	475297.95	3745949.70	193.37897	
(11121708)							
475334.62	3745949.70	142.42068	(11110415)	475371.29	3745949.70	118.56876	
(11110415)							
475407.96	3745949.70	96.79378	(11110415)	475444.63	3745949.70	77.08155	
(11110415)							
475481.30	3745949.70	65.51469	(10112508)	474747.90	3745959.54	264.39633	
(08112908)							
474784.57	3745959.54	331.23815	(08112908)	474821.24	3745959.54	372.15025	
(08112908)							
474857.91	3745959.54	399.05687	(11011008)	474894.58	3745959.54	435.71555	
(11011608)							
474931.25	3745959.54	455.17771	(09123108)	474967.92	3745959.54	483.43955	
(07012208)							
475004.59	3745959.54	435.60449	(07012208)	475041.26	3745959.54	368.27470	
(11011508)							
475077.93	3745959.54	296.31037	(11011508)	475114.60	3745959.54	280.34669	
(11020308)							
475151.27	3745959.54	304.12220	(11121708)	475187.94	3745959.54	321.87023	
(11121708)							
475224.61	3745959.54	309.89869	(11121708)	475261.28	3745959.54	256.35276	
(11121708)							
475297.95	3745959.54	192.98182	(11121708)	475334.62	3745959.54	145.99888	
(11110415)							
475371.29	3745959.54	118.73820	(11110415)	475407.96	3745959.54	95.08720	
(11110415)							
475444.63	3745959.54	74.78222	(10112508)	475481.30	3745959.54	65.74434	

CO

(10112508)	475854.15	3746316.72	45.56640	(09122208)	475863.29	3746274.18	49.00796
(09122208)	474664.93	3746299.89	253.48682	(10020908)	474662.05	3746153.15	257.67548
(08120208)	474663.49	3746227.96	259.43904	(10122808)	474771.38	3745956.06	321.69475
(08112908)	474870.65	3745958.94	396.30019	(11120908)	474997.25	3745954.62	385.88916
(11011508)	475493.57	3746291.26	79.23126	(11012608)	475487.82	3746194.87	115.68054
(09122208)	475489.25	3746118.62	102.58062	(09122208)	475487.82	3746026.55	88.77299
(08020313)	475487.82	3745983.39	71.58474	(08020313)	475983.57	3745850.62	17.71571
(10112508)	475666.25	3746386.09	47.76078	(11012608)	475458.03	3746392.70	70.05587
(11020108)	475552.78	3746390.49	56.73216	(11012608)	475922.95	3746380.58	34.05833
(09122208)	475680.57	3746815.75	32.38440	(11011408)	475845.83	3746556.85	28.47768
(11012608)	475854.15	3746316.72	44.89296	(09122208)	475863.29	3746274.18	48.28451

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: MIT

 INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,
 VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 , VOL47 , VOL48 , VOL49 , VOL50 ,

*** 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	

(08112908)	474747.90	3745949.70	177.86618	(08112908)	474784.57	3745949.70	218.18453
(11011608)	474821.24	3745949.70	240.70923	(08112908)	474857.91	3745949.70	259.26711
(09123108)	474894.58	3745949.70	279.93114	(11011608)	474931.25	3745949.70	291.07652
(07012208)	474967.92	3745949.70	307.84461	(07012208)	475004.59	3745949.70	311.77219
(11011508)	475041.26	3745949.70	226.41876	(11011508)	475077.93	3745949.70	173.44237
(11121708)	475114.60	3745949.70	172.31371	(11020308)	475151.27	3745949.70	180.68362
(11121708)	475187.94	3745949.70	194.19476	(11121708)	475224.61	3745949.70	190.15696
(11121708)	475261.28	3745949.70	163.06132	(11121708)	475297.95	3745949.70	126.54481
(11110415)	475334.62	3745949.70	93.19908	(11110415)	475371.29	3745949.70	77.59010

								CO
(11110415)	475407.96	3745949.70	63.34063	(11110415)	475444.63	3745949.70	50.44118	
(08112908)	475481.30	3745949.70	42.87217	(10112508)	474747.90	3745959.54	173.01550	
(08112908)	474784.57	3745959.54	216.75743	(08112908)	474821.24	3745959.54	243.53149	
(11011608)	474857.91	3745959.54	261.13954	(11011008)	474894.58	3745959.54	285.12901	
(07012208)	474931.25	3745959.54	297.86468	(09123108)	474967.92	3745959.54	316.35700	
(11011508)	475004.59	3745959.54	285.05291	(07012208)	475041.26	3745959.54	240.99471	
(11020308)	475077.93	3745959.54	193.90446	(11011508)	475114.60	3745959.54	183.45807	
(11121708)	475151.27	3745959.54	199.01794	(11121708)	475187.94	3745959.54	210.63319	
(11121708)	475224.61	3745959.54	202.79686	(11121708)	475261.28	3745959.54	167.75473	
(11110415)	475297.95	3745959.54	126.28478	(11121708)	475334.62	3745959.54	95.54038	
(11110415)	475371.29	3745959.54	77.70083	(11110415)	475407.96	3745959.54	62.22380	
(10112508)	475444.63	3745959.54	48.93676	(10112508)	475481.30	3745959.54	43.02244	
(09122208)	475854.15	3746316.72	29.81812	(09122208)	475863.29	3746274.18	32.07025	
(08120208)	474664.93	3746299.89	165.88029	(10020908)	474662.05	3746153.15	168.62100	
(08112908)	474663.49	3746227.96	169.77235	(10122808)	474771.38	3745956.06	210.51197	
(11011508)	474870.65	3745958.94	259.33664	(11120908)	474997.25	3745954.62	252.52210	
(09122208)	475493.57	3746291.26	51.84805	(11012608)	475487.82	3746194.87	75.69994	
(08020313)	475489.25	3746118.62	67.12782	(09122208)	475487.82	3746026.55	58.09220	
(10112508)	475487.82	3745983.39	46.84464	(08020313)	475983.57	3745850.62	11.59298	
(11020108)	475666.25	3746386.09	31.25412	(11012608)	475458.03	3746392.70	45.84383	
(09122208)	475552.78	3746390.49	37.12484	(11012608)	475922.95	3746380.58	22.28737	
(11012608)	475680.57	3746815.75	21.19202	(11011408)	475845.83	3746556.85	18.63546	
(09122208)	475854.15	3746316.72	29.37743	(09122208)	475863.29	3746274.18	31.59683	

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

*** INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,

VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,

VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,

VOL46 , VOL47 , VOL48 , VOL49 , VOL50 , VOL3 , VOL4 , VOL5 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		CO					
		** CONC OF CO		IN MICROGRAMS/M**3		**	
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
474747.90	3745949.70	449.67374	(08112908)	474784.57	3745949.70	551.60207	
(08112908)							
474821.24	3745949.70	608.54553	(08112908)	474857.91	3745949.70	655.46461	
(11011608)							
474894.58	3745949.70	707.70240	(11011608)	474931.25	3745949.70	735.87979	
(09123108)							
474967.92	3745949.70	778.27488	(07012208)	475004.59	3745949.70	788.20481	
(07012208)							
475041.26	3745949.70	572.41902	(11011508)	475077.93	3745949.70	438.48461	
(11011508)							
475114.60	3745949.70	435.63112	(11020308)	475151.27	3745949.70	456.79057	
(11121708)							
475187.94	3745949.70	490.94568	(11121708)	475224.61	3745949.70	480.74012	
(11121708)							
475261.28	3745949.70	412.24146	(11121708)	475297.95	3745949.70	319.92379	
(11121708)							
475334.62	3745949.70	235.61976	(11110415)	475371.29	3745949.70	196.15886	
(11110415)							
475407.96	3745949.70	160.13441	(11110415)	475444.63	3745949.70	127.52273	
(11110415)							
475481.30	3745949.70	108.38686	(10112508)	474747.90	3745959.54	437.41183	
(08112908)							
474784.57	3745959.54	547.99557	(08112908)	474821.24	3745959.54	615.68173	
(08112908)							
474857.91	3745959.54	660.19641	(11011008)	474894.58	3745959.54	720.84456	
(11011608)							
474931.25	3745959.54	753.04239	(09123108)	474967.92	3745959.54	799.79656	
(07012208)							
475004.59	3745959.54	720.65741	(07012208)	475041.26	3745959.54	609.26941	
(11011508)							
475077.93	3745959.54	490.21483	(11011508)	475114.60	3745959.54	463.80476	
(11020308)							
475151.27	3745959.54	503.14014	(11121708)	475187.94	3745959.54	532.50342	
(11121708)							
475224.61	3745959.54	512.69556	(11121708)	475261.28	3745959.54	424.10748	
(11121708)							
475297.95	3745959.54	319.26660	(11121708)	475334.62	3745959.54	241.53926	
(11110415)							
475371.29	3745959.54	196.43903	(11110415)	475407.96	3745959.54	157.31099	
(11110415)							
475444.63	3745959.54	123.71897	(10112508)	475481.30	3745959.54	108.76677	
(10112508)							
475854.15	3746316.72	75.38452	(09122208)	475863.29	3746274.18	81.07821	
(09122208)							
474664.93	3746299.89	419.36711	(10020908)	474662.05	3746153.15	426.29648	
(08120208)							
474663.49	3746227.96	429.21140	(10122808)	474771.38	3745956.06	532.20672	
(08112908)							
474870.65	3745958.94	655.63683	(11120908)	474997.25	3745954.62	638.41126	
(11011508)							
475493.57	3746291.26	131.07932	(11012608)	475487.82	3746194.87	191.38048	
(09122208)							
475489.25	3746118.62	169.70844	(09122208)	475487.82	3746026.55	146.86519	
(08020313)							
475487.82	3745983.39	118.42938	(08020313)	475983.57	3745850.62	29.30869	
(10112508)							
475666.25	3746386.09	79.01490	(11012608)	475458.03	3746392.70	115.89970	
(11020108)							
475552.78	3746390.49	93.85700	(11012608)	475922.95	3746380.58	56.34570	
(09122208)							
475680.57	3746815.75	53.57642	(11011408)	475845.83	3746556.85	47.11314	

CO

(11012608) 475854.15 3746316.72 74.27039 (09122208) 475863.29 3746274.18 79.88134

(09122208)
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: UNMIT

INCLUDING SOURCE(S): VOL3 , VOL4 , VOL5 , VOL6 ,

VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,

VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,

VOL23 , VOL24 , VOL25 , VOL1 , VOL2 ,

*** 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

Table with 7 columns: X-COORD (M), Y-COORD (M), CONC (YYMMDDHH), X-COORD (M), Y-COORD (M), CONC. It lists discrete Cartesian receptor points for CO concentration, including coordinates and concentration values for various source groups.

				CO			
(07012216)	475371.29	3745959.54	24.96999	(09122216)	475407.96	3745959.54	20.11969
(09041516)	475444.63	3745959.54	17.36134	(09041516)	475481.30	3745959.54	15.21139
(09122208)	475854.15	3746316.72	5.69580	(09122208)	475863.29	3746274.18	6.12600
(10021108)	474664.93	3746299.89	31.68585	(10020908)	474662.05	3746153.15	35.24260c
(08112908)	474663.49	3746227.96	32.42988	(10122808)	474771.38	3745956.06	40.21184
(07113016)	474870.65	3745958.94	49.53752	(11120908)	474997.25	3745954.62	80.09613
(09122208)	475493.57	3746291.26	11.16309	(07022716)	475487.82	3746194.87	14.46007
(09041516)	475489.25	3746118.62	16.24258	(08020316)	475487.82	3746026.55	15.61807
(09041516)	475487.82	3745983.39	15.47119	(09041516)	475983.57	3745850.62	3.40461
(08100416)	475666.25	3746386.09	5.97010	(11012608)	475458.03	3746392.70	12.79872
(09122208)	475552.78	3746390.49	8.57970	(08100416)	475922.95	3746380.58	4.25729
(11020108)	475680.57	3746815.75	5.48770	(08121316)	475845.83	3746556.85	3.90955m
(09122208)	475854.15	3746316.72	5.61162	(09122208)	475863.29	3746274.18	6.03556

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: MIT

 INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,
 VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 , VOL47 , VOL48 , VOL49 , VOL50 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF CO		IN MICROGRAMS/M**3		**	
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(08112908)	474747.90	3745949.70	22.23327	(08112908)	474784.57	3745949.70	27.27307
(11011608)	474821.24	3745949.70	30.08865	(08112908)	474857.91	3745949.70	32.40839
(07113016)	474894.58	3745949.70	34.99139	(11011608)	474931.25	3745949.70	42.33345
(07113016)	474967.92	3745949.70	48.75367	(07113016)	475004.59	3745949.70	48.99573
(08110716)	475041.26	3745949.70	45.96012	(07113016)	475077.93	3745949.70	48.02552
(09010416)	475114.60	3745949.70	47.51110	(08110716)	475151.27	3745949.70	46.58023
(10102116)	475187.94	3745949.70	46.83371	(10102116)	475224.61	3745949.70	45.52694
	475261.28	3745949.70	37.55673	(10102116)	475297.95	3745949.70	27.83044

CO

(10102116)							
475334.62	3745949.70	20.58877	(09122216)	475371.29	3745949.70	16.09226	
(09122216)							
475407.96	3745949.70	13.06625	(07012216)	475444.63	3745949.70	10.92895	
(09041516)							
475481.30	3745949.70	9.67308	(09041516)	474747.90	3745959.54	21.62694	
(08112908)							
474784.57	3745959.54	27.09468	(08112908)	474821.24	3745959.54	30.44144	
(08112908)							
474857.91	3745959.54	32.64244	(11011008)	474894.58	3745959.54	35.64113	
(11011608)							
474931.25	3745959.54	45.43718	(07113016)	474967.92	3745959.54	54.39828	
(07113016)							
475004.59	3745959.54	55.60492	(07113016)	475041.26	3745959.54	52.85595	
(07113016)							
475077.93	3745959.54	52.83270	(08110716)	475114.60	3745959.54	52.44559	
(08110716)							
475151.27	3745959.54	51.67709	(09010416)	475187.94	3745959.54	52.68643	
(10102116)							
475224.61	3745959.54	50.00886	(10102116)	475261.28	3745959.54	39.43487	
(10102116)							
475297.95	3745959.54	28.15226	(10102116)	475334.62	3745959.54	21.16922	
(09122216)							
475371.29	3745959.54	16.34018	(09122216)	475407.96	3745959.54	13.16613	
(07012216)							
475444.63	3745959.54	11.36112	(09041516)	475481.30	3745959.54	9.95420	
(09041516)							
475854.15	3746316.72	3.72726	(09122208)	475863.29	3746274.18	4.00878	
(09122208)							
474664.93	3746299.89	20.73504	(10020908)	474662.05	3746153.15	23.06230c	
(10021108)							
474663.49	3746227.96	21.22154	(10122808)	474771.38	3745956.06	26.31400	
(08112908)							
474870.65	3745958.94	32.41708	(11120908)	474997.25	3745954.62	52.41431	
(07113016)							
475493.57	3746291.26	7.30504	(07022716)	475487.82	3746194.87	9.46249	
(09122208)							
475489.25	3746118.62	10.62896	(08020316)	475487.82	3746026.55	10.22031	
(09041516)							
475487.82	3745983.39	10.12420	(09041516)	475983.57	3745850.62	2.22794	
(09041516)							
475666.25	3746386.09	3.90676	(11012608)	475458.03	3746392.70	8.37536	
(08100416)							
475552.78	3746390.49	5.61448	(08100416)	475922.95	3746380.58	2.78592	
(09122208)							
475680.57	3746815.75	3.59109	(08121316)	475845.83	3746556.85	2.55837m	
(11020108)							
475854.15	3746316.72	3.67218	(09122208)	475863.29	3746274.18	3.94960	
(09122208)							

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
*** INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,
VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
VOL46 , VOL47 , VOL48 , VOL49 , VOL50 , VOL3 , VOL4 , VOL5 ,
. . . ,

CO

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF CO		IN MICROGRAMS/M**3		**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	56.20922	(08112908)	474784.57	3745949.70	68.95026
(08112908)						
474821.24	3745949.70	76.06819	(08112908)	474857.91	3745949.70	81.93308
(11011608)						
474894.58	3745949.70	88.46280	(11011608)	474931.25	3745949.70	107.02537
(07113016)						
474967.92	3745949.70	123.25604	(07113016)	475004.59	3745949.70	123.86785
(07113016)						
475041.26	3745949.70	116.19368	(07113016)	475077.93	3745949.70	121.41563
(08110716)						
475114.60	3745949.70	120.11376	(08110716)	475151.27	3745949.70	117.76012
(09010416)						
475187.94	3745949.70	118.40053	(10102116)	475224.61	3745949.70	115.09720
(10102116)						
475261.28	3745949.70	94.94810	(10102116)	475297.95	3745949.70	70.35913
(10102116)						
475334.62	3745949.70	52.05119	(09122216)	475371.29	3745949.70	40.68340
(09122216)						
475407.96	3745949.70	33.03329	(07012216)	475444.63	3745949.70	27.62986
(09041516)						
475481.30	3745949.70	24.45487	(09041516)	474747.90	3745959.54	54.67648
(08112908)						
474784.57	3745959.54	68.49945	(08112908)	474821.24	3745959.54	76.96022
(08112908)						
474857.91	3745959.54	82.52455	(11011008)	474894.58	3745959.54	90.10557
(11011608)						
474931.25	3745959.54	114.87219	(07113016)	474967.92	3745959.54	137.52647
(07113016)						
475004.59	3745959.54	140.57669	(07113016)	475041.26	3745959.54	133.62751
(07113016)						
475077.93	3745959.54	133.56917	(08110716)	475114.60	3745959.54	132.58846
(08110716)						
475151.27	3745959.54	130.64543	(09010416)	475187.94	3745959.54	133.19661
(10102116)						
475224.61	3745959.54	126.42791	(10102116)	475261.28	3745959.54	99.69634
(10102116)						
475297.95	3745959.54	71.17280	(10102116)	475334.62	3745959.54	53.51863
(09122216)						
475371.29	3745959.54	41.31017	(09122216)	475407.96	3745959.54	33.28582
(07012216)						
475444.63	3745959.54	28.72247	(09041516)	475481.30	3745959.54	25.16559
(09041516)						
475854.15	3746316.72	9.42307	(09122208)	475863.29	3746274.18	10.13478
(09122208)						
474664.93	3746299.89	52.42089	(10020908)	474662.05	3746153.15	58.30490c
(10021108)						
474663.49	3746227.96	53.65142	(10122808)	474771.38	3745956.06	66.52584
(08112908)						
474870.65	3745958.94	81.95460	(11120908)	474997.25	3745954.62	132.51044
(07113016)						
475493.57	3746291.26	18.46813	(07022716)	475487.82	3746194.87	23.92256
(09122208)						
475489.25	3746118.62	26.87154	(08020316)	475487.82	3746026.55	25.83838
(09041516)						
475487.82	3745983.39	25.59540	(09041516)	475983.57	3745850.62	5.63256
(09041516)						
475666.25	3746386.09	9.87686	(11012608)	475458.03	3746392.70	21.17408
(08100416)						

CO

475552.78	3746390.49	14.19418	(08100416)	475922.95	3746380.58	7.04321
(09122208)						
475680.57	3746815.75	9.07879	(08121316)	475845.83	3746556.85	6.46792m
(11020108)						
475854.15	3746316.72	9.28380	(09122208)	475863.29	3746274.18	9.98517
(09122208)						

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\CO\CO.isc ***
 08/05/16
 *** AERMET - VERSION 14134 *** ***
 12:02:09

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

** CONC OF CO IN MICROGRAMS/M**3 **

GROUP ID OF TYPE	NETWORK GRID-ID	AVERAGE CONC	DATE		RECEPTOR	(XR, YR, ZELEV, ZHILL, ZFLAG)
			(YYMMDDHH)			
UNMIT 2.00) DC	HIGH	1ST HIGH VALUE IS 483.43955	ON 07012208:	AT (	474967.92, 3745959.54,	494.42, 494.42,
MIT 2.00) DC	HIGH	1ST HIGH VALUE IS 316.35700	ON 07012208:	AT (	474967.92, 3745959.54,	494.42, 494.42,
ALL 2.00) DC	HIGH	1ST HIGH VALUE IS 799.79656	ON 07012208:	AT (	474967.92, 3745959.54,	494.42, 494.42,

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\CO\CO.isc ***
 08/05/16
 *** AERMET - VERSION 14134 *** ***
 12:02:09

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

** CONC OF CO IN MICROGRAMS/M**3 **

GROUP ID OF TYPE	NETWORK GRID-ID	AVERAGE CONC	DATE		RECEPTOR	(XR, YR, ZELEV, ZHILL, ZFLAG)
			(YYMMDDHH)			
UNMIT 2.00) DC	HIGH	1ST HIGH VALUE IS 84.97177	ON 07113016:	AT (	475004.59, 3745959.54,	492.71, 492.71,
MIT 2.00) DC	HIGH	1ST HIGH VALUE IS 55.60492	ON 07113016:	AT (	475004.59, 3745959.54,	492.71, 492.71,
ALL	HIGH	1ST HIGH VALUE IS 140.57669	ON 07113016:	AT (	475004.59, 3745959.54,	492.71, 492.71,

2.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\CO\CO.isc ***
08/05/16
*** AERMET - VERSION 14134 *** ***
12:02:09 ***

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)
A Total of 43824 Hours Were Processed
A Total of 90 Calm Hours Identified
A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 422 MEOpen: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 8/5/2016
** File: C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\N02\N02.ADI
**

** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\N02\N02.isc
MODELOPT CONC ARM
AVERTIME 1
URBANOPT 2100516
POLLUTID NO2
FLAGPOLE 2.00
RUNORNOT RUN
** NO2 Conversion Options

ARMRATIO 0.800 0.750

ERRORFIL N02.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	Value
LOCATION VOL26	VOLUME	475086.651	3746216.310	486.780
** DESCRSRC Mitigated				
LOCATION VOL27	VOLUME	475132.931	3746215.160	486.000
** DESCRSRC Mitigated				
LOCATION VOL28	VOLUME	475179.451	3746215.040	484.310
** DESCRSRC Mitigated				
LOCATION VOL29	VOLUME	475002.141	3746168.980	490.300
** DESCRSRC Mitigated				
LOCATION VOL30	VOLUME	475047.351	3746168.330	488.810
** DESCRSRC Mitigated				
LOCATION VOL31	VOLUME	475093.521	3746168.050	487.280
** DESCRSRC Mitigated				
LOCATION VOL32	VOLUME	475138.901	3746168.250	486.030
** DESCRSRC Mitigated				
LOCATION VOL33	VOLUME	475181.051	3746168.700	484.450
** DESCRSRC Mitigated				
LOCATION VOL34	VOLUME	475003.121	3746122.340	489.820
** DESCRSRC Mitigated				
LOCATION VOL35	VOLUME	475049.361	3746122.280	489.010
** DESCRSRC Mitigated				
LOCATION VOL36	VOLUME	475095.691	3746123.290	487.480
** DESCRSRC Mitigated				
LOCATION VOL37	VOLUME	475141.001	3746123.430	486.190
** DESCRSRC Mitigated				
LOCATION VOL38	VOLUME	475181.711	3746123.320	484.830
** DESCRSRC Mitigated				
LOCATION VOL39	VOLUME	475003.761	3746075.640	490.540
** DESCRSRC Mitigated				
LOCATION VOL40	VOLUME	475049.941	3746076.290	489.000
** DESCRSRC Mitigated				
LOCATION VOL41	VOLUME	475095.781	3746076.650	487.880
** DESCRSRC Mitigated				
LOCATION VOL42	VOLUME	475140.831	3746077.490	486.970
** DESCRSRC Mitigated				
LOCATION VOL43	VOLUME	475181.051	3746077.300	485.630
** DESCRSRC Mitigated				
LOCATION VOL44	VOLUME	475003.111	3746038.500	491.150
** DESCRSRC Mitigated				
LOCATION VOL45	VOLUME	475048.641	3746039.790	489.990
** DESCRSRC Mitigated				
LOCATION VOL46	VOLUME	475094.491	3746041.130	488.960
** DESCRSRC Mitigated				
LOCATION VOL47	VOLUME	475139.541	3746041.000	487.980
** DESCRSRC Mitigated				
LOCATION VOL48	VOLUME	475181.051	3746039.830	486.640
** DESCRSRC Mitigated				
LOCATION VOL49	VOLUME	475001.821	3746215.680	490.460
** DESCRSRC Mitigated				
LOCATION VOL50	VOLUME	475040.961	3746215.940	488.560
** DESCRSRC Mitigated				
LOCATION VOL3	VOLUME	475086.649	3746216.308	486.780
** DESCRSRC Unmitigated				
LOCATION VOL4	VOLUME	475132.930	3746215.157	486.000
** DESCRSRC Unmitigated				
LOCATION VOL5	VOLUME	475179.449	3746215.043	484.310

CO

** DESCRSRC Unmitigated					
LOCATION VOL6	VOLUME	475002.141	3746168.977	490.300	
** DESCRSRC Unmitigated					
LOCATION VOL7	VOLUME	475047.352	3746168.331	488.810	
** DESCRSRC Unmitigated					
LOCATION VOL8	VOLUME	475093.518	3746168.050	487.280	
** DESCRSRC Unmitigated					
LOCATION VOL9	VOLUME	475138.898	3746168.247	486.030	
** DESCRSRC Unmitigated					
LOCATION VOL10	VOLUME	475181.048	3746168.696	484.450	
** DESCRSRC Unmitigated					
LOCATION VOL11	VOLUME	475003.116	3746122.340	489.820	
** DESCRSRC Unmitigated					
LOCATION VOL12	VOLUME	475049.360	3746122.280	489.010	
** DESCRSRC Unmitigated					
LOCATION VOL13	VOLUME	475095.692	3746123.295	487.480	
** DESCRSRC Unmitigated					
LOCATION VOL14	VOLUME	475141.005	3746123.435	486.190	
** DESCRSRC Unmitigated					
LOCATION VOL15	VOLUME	475181.710	3746123.321	484.830	
** DESCRSRC Unmitigated					
LOCATION VOL16	VOLUME	475003.756	3746075.640	490.540	
** DESCRSRC Unmitigated					
LOCATION VOL17	VOLUME	475049.936	3746076.286	489.000	
** DESCRSRC Unmitigated					
LOCATION VOL18	VOLUME	475095.779	3746076.652	487.880	
** DESCRSRC Unmitigated					
LOCATION VOL19	VOLUME	475140.835	3746077.495	486.970	
** DESCRSRC Unmitigated					
LOCATION VOL20	VOLUME	475181.048	3746077.298	485.630	
** DESCRSRC Unmitigated					
LOCATION VOL21	VOLUME	475003.110	3746038.499	491.150	
** DESCRSRC Unmitigated					
LOCATION VOL22	VOLUME	475048.644	3746039.791	489.990	
** DESCRSRC Unmitigated					
LOCATION VOL23	VOLUME	475094.487	3746041.126	488.960	
** DESCRSRC Unmitigated					
LOCATION VOL24	VOLUME	475139.544	3746041.000	487.980	
** DESCRSRC Unmitigated					
LOCATION VOL25	VOLUME	475181.048	3746039.834	486.640	
** DESCRSRC Unmitigated					
LOCATION VOL1	VOLUME	475001.824	3746215.676	490.460	
** DESCRSRC Unmitigated					
LOCATION VOL2	VOLUME	475040.963	3746215.939	488.560	
** DESCRSRC Unmitigated					
** Source Parameters **					
SRCPARAM VOL26	0.0454606653	5.000	10.465	2.330	
SRCPARAM VOL27	0.04546	5.000	10.465	2.330	
SRCPARAM VOL28	0.04546	5.000	10.465	2.330	
SRCPARAM VOL29	0.04546	5.000	10.465	2.330	
SRCPARAM VOL30	0.04546	5.000	10.465	2.330	
SRCPARAM VOL31	0.04546	5.000	10.465	2.330	
SRCPARAM VOL32	0.04546	5.000	10.465	2.330	
SRCPARAM VOL33	0.04546	5.000	10.465	2.330	
SRCPARAM VOL34	0.04546	5.000	10.465	2.330	
SRCPARAM VOL35	0.04546	5.000	10.465	2.330	
SRCPARAM VOL36	0.04546	5.000	10.465	2.330	
SRCPARAM VOL37	0.04546	5.000	10.465	2.330	
SRCPARAM VOL38	0.04546	5.000	10.465	2.330	
SRCPARAM VOL39	0.04546	5.000	10.465	2.330	
SRCPARAM VOL40	0.04546	5.000	10.465	2.330	
SRCPARAM VOL41	0.04546	5.000	10.465	2.330	
SRCPARAM VOL42	0.04546	5.000	10.465	2.330	
SRCPARAM VOL43	0.04546	5.000	10.465	2.330	
SRCPARAM VOL44	0.04546	5.000	10.465	2.330	
SRCPARAM VOL45	0.04546	5.000	10.465	2.330	
SRCPARAM VOL46	0.04546	5.000	10.465	2.330	

				CO
SRCPARAM VOL47	0.04546	5.000	10.465	2.330
SRCPARAM VOL48	0.04546	5.000	10.465	2.330
SRCPARAM VOL49	0.04546	5.000	10.465	2.330
SRCPARAM VOL50	0.04546	5.000	10.465	2.330
SRCPARAM VOL3	0.1665868378	5.000	10.465	2.330
SRCPARAM VOL4	0.1666	5.000	10.465	2.330
SRCPARAM VOL5	0.1666	5.000	10.465	2.330
SRCPARAM VOL6	0.1666	5.000	10.465	2.330
SRCPARAM VOL7	0.1666	5.000	10.465	2.330
SRCPARAM VOL8	0.1666	5.000	10.465	2.330
SRCPARAM VOL9	0.1666	5.000	10.465	2.330
SRCPARAM VOL10	0.1666	5.000	10.465	2.330
SRCPARAM VOL11	0.1666	5.000	10.465	2.330
SRCPARAM VOL12	0.1666	5.000	10.465	2.330
SRCPARAM VOL13	0.1666	5.000	10.465	2.330
SRCPARAM VOL14	0.1666	5.000	10.465	2.330
SRCPARAM VOL15	0.1666	5.000	10.465	2.330
SRCPARAM VOL16	0.1666	5.000	10.465	2.330
SRCPARAM VOL17	0.1666	5.000	10.465	2.330
SRCPARAM VOL18	0.1666	5.000	10.465	2.330
SRCPARAM VOL19	0.1666	5.000	10.465	2.330
SRCPARAM VOL20	0.1666	5.000	10.465	2.330
SRCPARAM VOL21	0.1666	5.000	10.465	2.330
SRCPARAM VOL22	0.1666	5.000	10.465	2.330
SRCPARAM VOL23	0.1666	5.000	10.465	2.330
SRCPARAM VOL24	0.1666	5.000	10.465	2.330
SRCPARAM VOL25	0.1666	5.000	10.465	2.330
SRCPARAM VOL1	0.1666	5.000	10.465	2.326
SRCPARAM VOL2	0.1666	5.000	10.465	2.326
URBANSRC ALL				

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"

** Variable Emission Scenario: "construction"

EMISFACT VOL26	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL26	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL26	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL26	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL27	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL27	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL27	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL27	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL28	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL28	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL28	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL28	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL29	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL29	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL29	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL29	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL30	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL30	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL30	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL30	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL31	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL31	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL31	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL31	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL32	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL32	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL32	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL32	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL33	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL33	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL33	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL33	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL34	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL34	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0

CO

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EMISFACT VOL20      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL20      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL20      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL21      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL21      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL22      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL22      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL23      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL23      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL24      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL24      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL25      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL25      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1       HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1       HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL1       HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL1       HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2       HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2       HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL2       HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL2       HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP Unmit      VOL3 VOL4 VOL5 VOL6 VOL7 VOL8 VOL9 VOL10 VOL11 VOL12
SRCGROUP Unmit      VOL13 VOL14 VOL15 VOL16 VOL17 VOL18 VOL19 VOL20 VOL21
SRCGROUP Unmit      VOL22 VOL23 VOL24 VOL25 VOL1 VOL2
SRCGROUP Mit        VOL26 VOL27 VOL28 VOL29 VOL30 VOL31 VOL32 VOL33 VOL34
SRCGROUP Mit        VOL35 VOL36 VOL37 VOL38 VOL39 VOL40 VOL41 VOL42 VOL43
SRCGROUP Mit        VOL44 VOL45 VOL46 VOL47 VOL48 VOL49 VOL50
SRCGROUP ALL

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SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED N02.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "..\..\SRA24_Met Data\peri8.sfc"

PROFFILE "..\..\SRA24_Met Data\peri8.PFL"

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST NO2.AD\01H1GALL.PLT 31
PLOTFILE 1 Unmit 1ST NO2.AD\01H1G001.PLT 32
PLOTFILE 1 Mit 1ST NO2.AD\01H1G002.PLT 33
SUMMFILE NO2.sum
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W531 424 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\NO2\NO2.isc ***
 08/05/16
*** AERMET - VERSION 14134 *** ***
 12:07:53

PAGE 1
**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 50 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

- **Model Allows User-Specified Options:
1. Stack-tip Downwash.
 2. Model Accounts for ELEVated Terrain Effects.
 3. Use Calms Processing Routine.
 4. Use Missing Data Processing Routine.
 5. No Exponential Decay.
 6. Ambient Ratio Method (ARM) Used for NO2 Conversion
 with a 1-hour NO2/NOx Ratio of 0.800
 with an Annual NO2/NOx Ratio of 0.750
 7. Urban Roughness Length of 1.0 Meter Used.

CO

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: NO2

**Note that special processing requirements apply for the 1-hour NO2 NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

For annual NO2 NAAQS modeling, the multi-year maximum of PERIOD values can be simulated using the MULTYEAR keyword.

Multi-year PERIOD and 1-hour values should only be done in a single model run using the MULTYEAR option with a single multi-year meteorological data file using STARTEND keyword.

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 50 Source(s); 3 Source Group(s); and 64 Receptor(s)

with: 0 POINT(s), including 0 POINTCAP(s) and 0 POINTHOR(s)
and: 50 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**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)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.5 MB of RAM.

**Detailed Error/Message File: NO2.err

**File for Summary of Results: NO2.sum

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**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** VOLUME SOURCE DATA ***

SOURCE NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE
ID PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY SZ SOURCE SCALAR VARY
CATS. (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) BY

VOL26	0	0.45461E-01	475086.7	3746216.3	486.8	5.00	10.47	2.33	YES	HROFDY
VOL27	0	0.45460E-01	475132.9	3746215.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL28	0	0.45460E-01	475179.5	3746215.0	484.3	5.00	10.47	2.33	YES	HROFDY
VOL29	0	0.45460E-01	475002.1	3746169.0	490.3	5.00	10.47	2.33	YES	HROFDY
VOL30	0	0.45460E-01	475047.4	3746168.3	488.8	5.00	10.47	2.33	YES	HROFDY
VOL31	0	0.45460E-01	475093.5	3746168.0	487.3	5.00	10.47	2.33	YES	HROFDY
VOL32	0	0.45460E-01	475138.9	3746168.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL33	0	0.45460E-01	475181.1	3746168.7	484.4	5.00	10.47	2.33	YES	HROFDY
VOL34	0	0.45460E-01	475003.1	3746122.3	489.8	5.00	10.47	2.33	YES	HROFDY
VOL35	0	0.45460E-01	475049.4	3746122.3	489.0	5.00	10.47	2.33	YES	HROFDY
VOL36	0	0.45460E-01	475095.7	3746123.3	487.5	5.00	10.47	2.33	YES	HROFDY
VOL37	0	0.45460E-01	475141.0	3746123.4	486.2	5.00	10.47	2.33	YES	HROFDY
VOL38	0	0.45460E-01	475181.7	3746123.3	484.8	5.00	10.47	2.33	YES	HROFDY
VOL39	0	0.45460E-01	475003.8	3746075.6	490.5	5.00	10.47	2.33	YES	HROFDY
VOL40	0	0.45460E-01	475049.9	3746076.3	489.0	5.00	10.47	2.33	YES	HROFDY
VOL41	0	0.45460E-01	475095.8	3746076.6	487.9	5.00	10.47	2.33	YES	HROFDY
VOL42	0	0.45460E-01	475140.8	3746077.5	487.0	5.00	10.47	2.33	YES	HROFDY
VOL43	0	0.45460E-01	475181.1	3746077.3	485.6	5.00	10.47	2.33	YES	HROFDY
VOL44	0	0.45460E-01	475003.1	3746038.5	491.2	5.00	10.47	2.33	YES	HROFDY
VOL45	0	0.45460E-01	475048.6	3746039.8	490.0	5.00	10.47	2.33	YES	HROFDY
VOL46	0	0.45460E-01	475094.5	3746041.1	489.0	5.00	10.47	2.33	YES	HROFDY
VOL47	0	0.45460E-01	475139.5	3746041.0	488.0	5.00	10.47	2.33	YES	HROFDY
VOL48	0	0.45460E-01	475181.1	3746039.8	486.6	5.00	10.47	2.33	YES	HROFDY
VOL49	0	0.45460E-01	475001.8	3746215.7	490.5	5.00	10.47	2.33	YES	HROFDY
VOL50	0	0.45460E-01	475041.0	3746215.9	488.6	5.00	10.47	2.33	YES	HROFDY
VOL3	0	0.16659E+00	475086.6	3746216.3	486.8	5.00	10.47	2.33	YES	HROFDY
VOL4	0	0.16660E+00	475132.9	3746215.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL5	0	0.16660E+00	475179.4	3746215.0	484.3	5.00	10.47	2.33	YES	HROFDY
VOL6	0	0.16660E+00	475002.1	3746169.0	490.3	5.00	10.47	2.33	YES	HROFDY
VOL7	0	0.16660E+00	475047.4	3746168.3	488.8	5.00	10.47	2.33	YES	HROFDY
VOL8	0	0.16660E+00	475093.5	3746168.0	487.3	5.00	10.47	2.33	YES	HROFDY
VOL9	0	0.16660E+00	475138.9	3746168.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL10	0	0.16660E+00	475181.0	3746168.7	484.4	5.00	10.47	2.33	YES	HROFDY
VOL11	0	0.16660E+00	475003.1	3746122.3	489.8	5.00	10.47	2.33	YES	HROFDY
VOL12	0	0.16660E+00	475049.4	3746122.3	489.0	5.00	10.47	2.33	YES	HROFDY
VOL13	0	0.16660E+00	475095.7	3746123.3	487.5	5.00	10.47	2.33	YES	HROFDY
VOL14	0	0.16660E+00	475141.0	3746123.4	486.2	5.00	10.47	2.33	YES	HROFDY
VOL15	0	0.16660E+00	475181.7	3746123.3	484.8	5.00	10.47	2.33	YES	HROFDY
VOL16	0	0.16660E+00	475003.8	3746075.6	490.5	5.00	10.47	2.33	YES	HROFDY
VOL17	0	0.16660E+00	475049.9	3746076.3	489.0	5.00	10.47	2.33	YES	HROFDY

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
VOL18	0	0.16660E+00	475095.8	3746076.7	487.9	5.00	10.47	2.33	YES	HROFDY
VOL19	0	0.16660E+00	475140.8	3746077.5	487.0	5.00	10.47	2.33	YES	HROFDY
VOL20	0	0.16660E+00	475181.0	3746077.3	485.6	5.00	10.47	2.33	YES	HROFDY
VOL21	0	0.16660E+00	475003.1	3746038.5	491.2	5.00	10.47	2.33	YES	HROFDY
VOL22	0	0.16660E+00	475048.6	3746039.8	490.0	5.00	10.47	2.33	YES	HROFDY
VOL23	0	0.16660E+00	475094.5	3746041.1	489.0	5.00	10.47	2.33	YES	HROFDY
VOL24	0	0.16660E+00	475139.5	3746041.0	488.0	5.00	10.47	2.33	YES	HROFDY

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VOL25	0	0.16660E+00	475181.0	3746039.8	486.6	5.00	10.47	2.33	YES	HROFDY	
VOL1	0	0.16660E+00	475001.8	3746215.7	490.5	5.00	10.47	2.33	YES	HROFDY	
VOL2	0	0.16660E+00	475041.0	3746215.9	488.6	5.00	10.47	2.33	YES	HROFDY	

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**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs													
-----	-----													
UNMIT VOL10	VOL3	,	VOL4	,	VOL5	,	VOL6	,	VOL7	,	VOL8	,	VOL9	,
VOL18	VOL11	,	VOL12	,	VOL13	,	VOL14	,	VOL15	,	VOL16	,	VOL17	,
	VOL19	,	VOL20	,	VOL21	,	VOL22	,	VOL23	,	VOL24	,	VOL25	, VOL1
	VOL2	,												
MIT VOL33	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,	VOL31	,	VOL32	,
VOL41	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,	VOL39	,	VOL40	,
VOL49	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,	VOL47	,	VOL48	,
	VOL50	,												
ALL VOL33	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,	VOL31	,	VOL32	,
VOL41	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,	VOL39	,	VOL40	,
VOL49	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,	VOL47	,	VOL48	,
	VOL50	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,	VOL7	,	VOL8	, VOL9
VOL17	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,	VOL15	,	VOL16	,
VOL25	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,	VOL23	,	VOL24	,
	VOL1	,	VOL2	,										

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**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs												
-----	-----	-----												
	2100516.	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,	VOL31	,	VOL32
VOL33	,													
VOL41		VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,	VOL39	,	VOL40
VOL49		VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,	VOL47	,	VOL48
		VOL50	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,	VOL7	,	VOL8
		VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,	VOL15	,	VOL16
VOL17		VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,	VOL23	,	VOL24
VOL25		VOL1	,	VOL2	,									
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**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SOURCE ID = VOL26		; 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 = VOL27		; 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 = VOL28		; 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 .00000E+00	9 .00000E+00	10 .00000E+00	11 .00000E+00	12 .00000E+00
13 .00000E+00	14 .00000E+00	15 .00000E+00	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

CO

.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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :

.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

CO

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :

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

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :

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

CO
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = VOL38 ; 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 = VOL39 ; 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 = VOL40 ; 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

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL41 ; 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 = VOL42 ; 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

CO

.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 = VOL43 ; 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 = VOL44 ; 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 = VOL45 ; 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										

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL46 ; 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 = VOL47 ; SOURCE TYPE = VOLUME :

CO

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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL48 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL49 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL50 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN
 * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											

SOURCE ID = VOL3 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

CO

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

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

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :

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

CO

.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = VOL9 ; 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 = VOL10 ; 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 = VOL11 ; 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 = VOL12 ; 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

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**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.00000E+00

CO

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
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL14 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL15 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL16 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL17 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

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 ***MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											

CO

SOURCE ID = VOL18 ; 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 = VOL19 ; 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 = VOL20 ; 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 = VOL21 ; 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 = VOL22 ; 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

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\NO2\NO2.isc ***
 08/05/16
 *** AERMET - VERSION 14134 ***
 12:07:53 ***

PAGE 16
 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

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

CO
(METERS)

(474747.9, 3745949.7, 510.2, 517.0, 2.0);	(474784.6, 3745949.7, 504.4, 521.0, 2.0);
(474821.2, 3745949.7, 500.6, 523.0, 2.0);	(474857.9, 3745949.7, 499.4, 517.0, 2.0);
(474894.6, 3745949.7, 498.2, 498.2, 2.0);	(474931.2, 3745949.7, 496.0, 496.0, 2.0);
(474967.9, 3745949.7, 494.7, 494.7, 2.0);	(475004.6, 3745949.7, 493.0, 493.0, 2.0);
(475041.3, 3745949.7, 489.9, 489.9, 2.0);	(475077.9, 3745949.7, 487.2, 487.2, 2.0);
(475114.6, 3745949.7, 486.9, 486.9, 2.0);	(475151.3, 3745949.7, 486.4, 486.4, 2.0);
(475187.9, 3745949.7, 486.4, 486.4, 2.0);	(475224.6, 3745949.7, 483.6, 483.6, 2.0);
(475261.3, 3745949.7, 482.0, 482.0, 2.0);	(475298.0, 3745949.7, 480.7, 480.7, 2.0);
(475334.6, 3745949.7, 479.5, 479.5, 2.0);	(475371.3, 3745949.7, 478.3, 478.3, 2.0);
(475408.0, 3745949.7, 478.0, 478.0, 2.0);	(475444.6, 3745949.7, 476.0, 476.0, 2.0);
(475481.3, 3745949.7, 475.6, 475.6, 2.0);	(474747.9, 3745959.5, 510.2, 517.0, 2.0);
(474784.6, 3745959.5, 504.1, 523.0, 2.0);	(474821.2, 3745959.5, 500.3, 523.0, 2.0);
(474857.9, 3745959.5, 498.9, 519.0, 2.0);	(474894.6, 3745959.5, 497.5, 497.5, 2.0);
(474931.2, 3745959.5, 495.6, 495.6, 2.0);	(474967.9, 3745959.5, 494.4, 494.4, 2.0);
(475004.6, 3745959.5, 492.7, 492.7, 2.0);	(475041.3, 3745959.5, 489.8, 489.8, 2.0);
(475077.9, 3745959.5, 487.4, 487.4, 2.0);	(475114.6, 3745959.5, 486.9, 486.9, 2.0);
(475151.3, 3745959.5, 486.9, 486.9, 2.0);	(475187.9, 3745959.5, 486.5, 486.5, 2.0);
(475224.6, 3745959.5, 483.8, 483.8, 2.0);	(475261.3, 3745959.5, 482.3, 482.3, 2.0);
(475298.0, 3745959.5, 481.1, 481.1, 2.0);	(475334.6, 3745959.5, 479.8, 479.8, 2.0);
(475371.3, 3745959.5, 478.6, 478.6, 2.0);	(475408.0, 3745959.5, 478.0, 478.0, 2.0);
(475444.6, 3745959.5, 476.3, 476.3, 2.0);	(475481.3, 3745959.5, 475.6, 475.6, 2.0);
(475854.1, 3746316.7, 466.2, 466.2, 2.0);	(475863.3, 3746274.2, 466.2, 466.2, 2.0);
(474664.9, 3746299.9, 509.9, 523.0, 0.0);	(474662.0, 3746153.1, 507.5, 507.5, 0.0);
(474663.5, 3746228.0, 510.2, 517.0, 0.0);	(474771.4, 3745956.1, 506.3, 521.0, 0.0);
(474870.6, 3745958.9, 498.4, 517.0, 0.0);	(474997.2, 3745954.6, 493.4, 493.4, 0.0);
(475493.6, 3746291.3, 474.1, 474.1, 0.0);	(475487.8, 3746194.9, 475.4, 475.4, 0.0);
(475489.2, 3746118.6, 475.4, 475.4, 0.0);	(475487.8, 3746026.5, 475.2, 475.2, 0.0);
(475487.8, 3745983.4, 475.4, 475.4, 0.0);	(475983.6, 3745850.6, 464.9, 464.9, 0.0);
(475666.2, 3746386.1, 469.2, 469.2, 0.0);	(475458.0, 3746392.7, 473.6, 473.6, 0.0);
(475552.8, 3746390.5, 472.1, 472.1, 0.0);	(475923.0, 3746380.6, 464.9, 464.9, 0.0);
(475680.6, 3746815.8, 467.0, 467.0, 0.0);	(475845.8, 3746556.8, 465.5, 465.5, 0.0);
(475854.1, 3746316.7, 466.2, 466.2, 0.0);	(475863.3, 3746274.2, 466.2, 466.2, 0.0);

															CO
07 01 01	1 04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	75.	9.1	277.5
5.5															
07 01 01	1 05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	1.00	0.50	282.	9.1	278.8
5.5															
07 01 01	1 06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	1.00	0.50	96.	9.1	277.5
5.5															
07 01 01	1 07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	129.	9.1	278.1
5.5															
07 01 01	1 08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	0.54	0.50	99.	9.1	277.5
5.5															
07 01 01	1 09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	0.33	0.50	133.	9.1	278.1
5.5															
07 01 01	1 10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	0.26	0.50	174.	9.1	281.4
5.5															
07 01 01	1 11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	0.23	0.50	95.	9.1	284.9
5.5															
07 01 01	1 12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	0.22	1.30	94.	9.1	288.1
5.5															
07 01 01	1 13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	0.22	2.20	24.	9.1	291.4
5.5															
07 01 01	1 14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	0.23	3.60	13.	9.1	292.5
5.5															
07 01 01	1 15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	0.27	5.80	318.	9.1	292.0
5.5															
07 01 01	1 16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	0.36	5.80	329.	9.1	291.4
5.5															
07 01 01	1 17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00	0.64	4.50	333.	9.1	289.9
5.5															
07 01 01	1 18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00	1.00	3.60	305.	9.1	288.8
5.5															
07 01 01	1 19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00	1.00	4.50	276.	9.1	287.5
5.5															
07 01 01	1 20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00	1.00	3.60	323.	9.1	287.5
5.5															
07 01 01	1 21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00	1.00	4.00	322.	9.1	288.1
5.5															
07 01 01	1 22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00	1.00	4.50	30.	9.1	288.1
5.5															
07 01 01	1 23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00	1.00	4.00	343.	9.1	287.0
5.5															
07 01 01	1 24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00	1.00	1.80	155.	9.1	283.8
5.5															

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP:
 UNMIT ***
 INCLUDING SOURCE(S): VOL3 , VOL4 , VOL5 , VOL6 ,
 VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
 VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
 VOL23 , VOL24 , VOL25 , VOL1 , VOL2 ,

CO

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NO2			IN MICROGRAMS/M**3		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	252.45431	474784.57	3745949.70	302.51235
474821.24	3745949.70	346.61493	474857.91	3745949.70	383.31660
474894.58	3745949.70	442.80772	474931.25	3745949.70	493.60419
474967.92	3745949.70	556.21897	475004.59	3745949.70	542.52065
475041.26	3745949.70	363.50341	475077.93	3745949.70	319.36641
475114.60	3745949.70	316.99278	475151.27	3745949.70	324.18084
475187.94	3745949.70	327.81833	475224.61	3745949.70	292.06234
475261.28	3745949.70	247.01623	475297.95	3745949.70	194.20023
475334.62	3745949.70	148.46696	475371.29	3745949.70	120.34969
475407.96	3745949.70	98.50098	475444.63	3745949.70	81.28025
475481.30	3745949.70	70.05713	474747.90	3745959.54	247.95050
474784.57	3745959.54	296.51684	474821.24	3745959.54	343.07083
474857.91	3745959.54	385.00813	474894.58	3745959.54	441.00359
474931.25	3745959.54	501.02853	474967.92	3745959.54	573.98338
475004.59	3745959.54	515.58618	475041.26	3745959.54	386.06080
475077.93	3745959.54	352.08503	475114.60	3745959.54	347.01982
475151.27	3745959.54	351.12016	475187.94	3745959.54	349.77932
475224.61	3745959.54	310.52715	475261.28	3745959.54	256.54391
475297.95	3745959.54	195.74787	475334.62	3745959.54	150.80689
475371.29	3745959.54	120.57486	475407.96	3745959.54	98.70555
475444.63	3745959.54	82.48455	475481.30	3745959.54	71.21893
475854.15	3746316.72	35.54400	475863.29	3746274.18	35.19071
474664.93	3746299.89	243.84667	474662.05	3746153.15	250.42393
474663.49	3746227.96	265.93057	474771.38	3745956.06	283.69131
474870.65	3745958.94	388.37839	474997.25	3745954.62	409.14186
475493.57	3746291.26	80.70737	475487.82	3746194.87	92.80219
475489.25	3746118.62	87.79732	475487.82	3746026.55	76.76450
475487.82	3745983.39	71.04503	475983.57	3745850.62	18.01278
475666.25	3746386.09	43.96617	475458.03	3746392.70	64.05382
475552.78	3746390.49	52.03363	475922.95	3746380.58	29.65667

CO

475680.57	3746815.75	21.53452	475845.83	3746556.85	24.14112
475854.15	3746316.72	35.06900	475863.29	3746274.18	34.72414

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 **MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP:
 MIT ***
 INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,
 VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 , VOL47 , VOL48 , VOL49 , VOL50 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF NO2	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	68.88640	474784.57	3745949.70	82.54551
474821.24	3745949.70	94.57998	474857.91	3745949.70	104.59503
474894.58	3745949.70	120.82798	474931.25	3745949.70	134.68935
474967.92	3745949.70	151.77546	475004.59	3745949.70	148.03740
475041.26	3745949.70	99.18876	475077.93	3745949.70	87.14550
475114.60	3745949.70	86.49808	475151.27	3745949.70	88.46012
475187.94	3745949.70	89.45266	475224.61	3745949.70	79.69575
475261.28	3745949.70	67.40380	475297.95	3745949.70	52.99156
475334.62	3745949.70	40.51226	475371.29	3745949.70	32.83983
475407.96	3745949.70	26.87801	475444.63	3745949.70	22.17900
475481.30	3745949.70	19.11654	474747.90	3745959.54	67.65733
474784.57	3745959.54	80.90943	474821.24	3745959.54	93.61269
474857.91	3745959.54	105.05651	474894.58	3745959.54	120.33536
474931.25	3745959.54	136.71486	474967.92	3745959.54	156.62276
475004.59	3745959.54	140.68722	475041.26	3745959.54	105.34372
475077.93	3745959.54	96.07329	475114.60	3745959.54	94.69151
475151.27	3745959.54	95.81142	475187.94	3745959.54	95.44522
475224.61	3745959.54	84.73430	475261.28	3745959.54	70.00358
475297.95	3745959.54	53.41380	475334.62	3745959.54	41.15073

CO

475371.29	3745959.54	32.90125	475407.96	3745959.54	26.93385
475444.63	3745959.54	22.50762	475481.30	3745959.54	19.43356
475854.15	3746316.72	9.69890	475863.29	3746274.18	9.60249
474664.93	3746299.89	66.53809	474662.05	3746153.15	68.33306
474663.49	3746227.96	72.56361	474771.38	3745956.06	77.41000
474870.65	3745958.94	105.97599	474997.25	3745954.62	111.64245
475493.57	3746291.26	22.02266	475487.82	3746194.87	25.32294
475489.25	3746118.62	23.95729	475487.82	3746026.55	20.94678
475487.82	3745983.39	19.38611	475983.57	3745850.62	4.91516
475666.25	3746386.09	11.99707	475458.03	3746392.70	17.47840
475552.78	3746390.49	14.19845	475922.95	3746380.58	8.09243
475680.57	3746815.75	5.87614	475845.83	3746556.85	6.58740
475854.15	3746316.72	9.56929	475863.29	3746274.18	9.47518

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**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP:
ALL ***
INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,
VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
VOL46 , VOL47 , VOL48 , VOL49 , VOL50 , VOL3 , VOL4 , VOL5 ,
. . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF NO2	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	321.34071	474784.57	3745949.70	385.05786
474821.24	3745949.70	441.19490	474857.91	3745949.70	487.91164
474894.58	3745949.70	563.63571	474931.25	3745949.70	628.29354
474967.92	3745949.70	707.99443	475004.59	3745949.70	690.55805
475041.26	3745949.70	462.69218	475077.93	3745949.70	406.51192
475114.60	3745949.70	403.49086	475151.27	3745949.70	412.64097
475187.94	3745949.70	417.27099	475224.61	3745949.70	371.75809

			CO			
475261.28	3745949.70	314.42003		475297.95	3745949.70	247.19179
475334.62	3745949.70	188.97923		475371.29	3745949.70	153.18952
475407.96	3745949.70	125.37898		475444.63	3745949.70	103.45925
475481.30	3745949.70	89.17367		474747.90	3745959.54	315.60782
474784.57	3745959.54	377.42627		474821.24	3745959.54	436.68352
474857.91	3745959.54	490.06464		474894.58	3745959.54	561.33895
474931.25	3745959.54	637.74339		474967.92	3745959.54	730.60614
475004.59	3745959.54	656.27340		475041.26	3745959.54	491.40452
475077.93	3745959.54	448.15831		475114.60	3745959.54	441.71134
475151.27	3745959.54	446.93158		475187.94	3745959.54	445.22454
475224.61	3745959.54	395.26145		475261.28	3745959.54	326.54749
475297.95	3745959.54	249.16167		475334.62	3745959.54	191.95762
475371.29	3745959.54	153.47611		475407.96	3745959.54	125.63941
475444.63	3745959.54	104.99217		475481.30	3745959.54	90.65249
475854.15	3746316.72	45.24290		475863.29	3746274.18	44.79320
474664.93	3746299.89	310.38476		474662.05	3746153.15	318.75699
474663.49	3746227.96	338.49418		474771.38	3745956.06	361.10131
474870.65	3745958.94	494.35438		474997.25	3745954.62	520.78432
475493.57	3746291.26	102.73003		475487.82	3746194.87	118.12512
475489.25	3746118.62	111.75460		475487.82	3746026.55	97.71128
475487.82	3745983.39	90.43114		475983.57	3745850.62	22.92794
475666.25	3746386.09	55.96324		475458.03	3746392.70	81.53223
475552.78	3746390.49	66.23207		475922.95	3746380.58	37.74910
475680.57	3746815.75	27.41066		475845.83	3746556.85	30.72851
475854.15	3746316.72	44.63828		475863.29	3746274.18	44.19932

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**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF NO2 IN MICROGRAMS/M**3 **

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GRID-ID

CO

UNMIT	1ST HIGHEST VALUE IS	573.98338	AT (474967.92,	3745959.54,	494.42,	494.42,	2.00)	DC
	2ND HIGHEST VALUE IS	556.21897	AT (474967.92,	3745949.70,	494.74,	494.74,	2.00)	DC
	3RD HIGHEST VALUE IS	542.52065	AT (475004.59,	3745949.70,	493.03,	493.03,	2.00)	DC
	4TH HIGHEST VALUE IS	515.58618	AT (475004.59,	3745959.54,	492.71,	492.71,	2.00)	DC
	5TH HIGHEST VALUE IS	501.02853	AT (474931.25,	3745959.54,	495.64,	495.64,	2.00)	DC
	6TH HIGHEST VALUE IS	493.60419	AT (474931.25,	3745949.70,	495.98,	495.98,	2.00)	DC
	7TH HIGHEST VALUE IS	442.80772	AT (474894.58,	3745949.70,	498.19,	498.19,	2.00)	DC
	8TH HIGHEST VALUE IS	441.00359	AT (474894.58,	3745959.54,	497.54,	497.54,	2.00)	DC
	9TH HIGHEST VALUE IS	409.14186	AT (474997.25,	3745954.62,	493.36,	493.36,	0.00)	DC
	10TH HIGHEST VALUE IS	388.37839	AT (474870.65,	3745958.94,	498.38,	517.00,	0.00)	DC
MIT	1ST HIGHEST VALUE IS	156.62276	AT (474967.92,	3745959.54,	494.42,	494.42,	2.00)	DC
	2ND HIGHEST VALUE IS	151.77546	AT (474967.92,	3745949.70,	494.74,	494.74,	2.00)	DC
	3RD HIGHEST VALUE IS	148.03740	AT (475004.59,	3745949.70,	493.03,	493.03,	2.00)	DC
	4TH HIGHEST VALUE IS	140.68722	AT (475004.59,	3745959.54,	492.71,	492.71,	2.00)	DC
	5TH HIGHEST VALUE IS	136.71486	AT (474931.25,	3745959.54,	495.64,	495.64,	2.00)	DC
	6TH HIGHEST VALUE IS	134.68935	AT (474931.25,	3745949.70,	495.98,	495.98,	2.00)	DC
	7TH HIGHEST VALUE IS	120.82798	AT (474894.58,	3745949.70,	498.19,	498.19,	2.00)	DC
	8TH HIGHEST VALUE IS	120.33536	AT (474894.58,	3745959.54,	497.54,	497.54,	2.00)	DC
	9TH HIGHEST VALUE IS	111.64245	AT (474997.25,	3745954.62,	493.36,	493.36,	0.00)	DC
	10TH HIGHEST VALUE IS	105.97599	AT (474870.65,	3745958.94,	498.38,	517.00,	0.00)	DC
ALL	1ST HIGHEST VALUE IS	730.60614	AT (474967.92,	3745959.54,	494.42,	494.42,	2.00)	DC
	2ND HIGHEST VALUE IS	707.99443	AT (474967.92,	3745949.70,	494.74,	494.74,	2.00)	DC
	3RD HIGHEST VALUE IS	690.55805	AT (475004.59,	3745949.70,	493.03,	493.03,	2.00)	DC
	4TH HIGHEST VALUE IS	656.27340	AT (475004.59,	3745959.54,	492.71,	492.71,	2.00)	DC
	5TH HIGHEST VALUE IS	637.74339	AT (474931.25,	3745959.54,	495.64,	495.64,	2.00)	DC
	6TH HIGHEST VALUE IS	628.29354	AT (474931.25,	3745949.70,	495.98,	495.98,	2.00)	DC
	7TH HIGHEST VALUE IS	563.63571	AT (474894.58,	3745949.70,	498.19,	498.19,	2.00)	DC
	8TH HIGHEST VALUE IS	561.33895	AT (474894.58,	3745959.54,	497.54,	497.54,	2.00)	DC
	9TH HIGHEST VALUE IS	520.78432	AT (474997.25,	3745954.62,	493.36,	493.36,	0.00)	DC
	10TH HIGHEST VALUE IS	494.35438	AT (474870.65,	3745958.94,	498.38,	517.00,	0.00)	DC

CO

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\N02\N02.isc ***
08/05/16
*** AERMET - VERSION 14134 *** ***
12:07:53

PAGE 23
**MODELOPTs: CONC ELEV FLGPOL ARM URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 424 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 8/5/2016
** File: C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.ADI
**

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** AERMOD Control Pathway

**
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CO STARTING
TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc
MODELOPT DFAULT CONC
AVERTIME 24 ANNUAL
URBANOPT 2100516
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL PM10.err

CO FINISHED
**

** AERMOD Source Pathway

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SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION VOL26	VOLUME	475086.651	3746216.310	486.780
** DESCRSRC Mitigated				
LOCATION VOL27	VOLUME	475132.931	3746215.160	486.000
** DESCRSRC Mitigated				
LOCATION VOL28	VOLUME	475179.451	3746215.040	484.310
** DESCRSRC Mitigated				
LOCATION VOL29	VOLUME	475002.141	3746168.980	490.300
** DESCRSRC Mitigated				
LOCATION VOL30	VOLUME	475047.351	3746168.330	488.810
** DESCRSRC Mitigated				
LOCATION VOL31	VOLUME	475093.521	3746168.050	487.280
** DESCRSRC Mitigated				
LOCATION VOL32	VOLUME	475138.901	3746168.250	486.030
** DESCRSRC Mitigated				
LOCATION VOL33	VOLUME	475181.051	3746168.700	484.450
** DESCRSRC Mitigated				
LOCATION VOL34	VOLUME	475003.121	3746122.340	489.820
** DESCRSRC Mitigated				
LOCATION VOL35	VOLUME	475049.361	3746122.280	489.010
** DESCRSRC Mitigated				
LOCATION VOL36	VOLUME	475095.691	3746123.290	487.480
** DESCRSRC Mitigated				
LOCATION VOL37	VOLUME	475141.001	3746123.430	486.190
** DESCRSRC Mitigated				
LOCATION VOL38	VOLUME	475181.711	3746123.320	484.830
** DESCRSRC Mitigated				
LOCATION VOL39	VOLUME	475003.761	3746075.640	490.540
** DESCRSRC Mitigated				
LOCATION VOL40	VOLUME	475049.941	3746076.290	489.000
** DESCRSRC Mitigated				
LOCATION VOL41	VOLUME	475095.781	3746076.650	487.880
** DESCRSRC Mitigated				
LOCATION VOL42	VOLUME	475140.831	3746077.490	486.970
** DESCRSRC Mitigated				
LOCATION VOL43	VOLUME	475181.051	3746077.300	485.630
** DESCRSRC Mitigated				
LOCATION VOL44	VOLUME	475003.111	3746038.500	491.150
** DESCRSRC Mitigated				
LOCATION VOL45	VOLUME	475048.641	3746039.790	489.990
** DESCRSRC Mitigated				
LOCATION VOL46	VOLUME	475094.491	3746041.130	488.960
** DESCRSRC Mitigated				
LOCATION VOL47	VOLUME	475139.541	3746041.000	487.980
** DESCRSRC Mitigated				
LOCATION VOL48	VOLUME	475181.051	3746039.830	486.640
** DESCRSRC Mitigated				
LOCATION VOL49	VOLUME	475001.821	3746215.680	490.460
** DESCRSRC Mitigated				
LOCATION VOL50	VOLUME	475040.961	3746215.940	488.560
** DESCRSRC Mitigated				
LOCATION VOL3	VOLUME	475086.649	3746216.308	486.780
** DESCRSRC Unmitigated				
LOCATION VOL4	VOLUME	475132.930	3746215.157	486.000
** DESCRSRC Unmitigated				
LOCATION VOL5	VOLUME	475179.449	3746215.043	484.310
** DESCRSRC Unmitigated				
LOCATION VOL6	VOLUME	475002.141	3746168.977	490.300
** DESCRSRC Unmitigated				
LOCATION VOL7	VOLUME	475047.352	3746168.331	488.810
** DESCRSRC Unmitigated				

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LOCATION	VOL8	VOLUME	475093.518	3746168.050	487.280
** DESCRSRC	Unmitigated				
LOCATION	VOL9	VOLUME	475138.898	3746168.247	486.030
** DESCRSRC	Unmitigated				
LOCATION	VOL10	VOLUME	475181.048	3746168.696	484.450
** DESCRSRC	Unmitigated				
LOCATION	VOL11	VOLUME	475003.116	3746122.340	489.820
** DESCRSRC	Unmitigated				
LOCATION	VOL12	VOLUME	475049.360	3746122.280	489.010
** DESCRSRC	Unmitigated				
LOCATION	VOL13	VOLUME	475095.692	3746123.295	487.480
** DESCRSRC	Unmitigated				
LOCATION	VOL14	VOLUME	475141.005	3746123.435	486.190
** DESCRSRC	Unmitigated				
LOCATION	VOL15	VOLUME	475181.710	3746123.321	484.830
** DESCRSRC	Unmitigated				
LOCATION	VOL16	VOLUME	475003.756	3746075.640	490.540
** DESCRSRC	Unmitigated				
LOCATION	VOL17	VOLUME	475049.936	3746076.286	489.000
** DESCRSRC	Unmitigated				
LOCATION	VOL18	VOLUME	475095.779	3746076.652	487.880
** DESCRSRC	Unmitigated				
LOCATION	VOL19	VOLUME	475140.835	3746077.495	486.970
** DESCRSRC	Unmitigated				
LOCATION	VOL20	VOLUME	475181.048	3746077.298	485.630
** DESCRSRC	Unmitigated				
LOCATION	VOL21	VOLUME	475003.110	3746038.499	491.150
** DESCRSRC	Unmitigated				
LOCATION	VOL22	VOLUME	475048.644	3746039.791	489.990
** DESCRSRC	Unmitigated				
LOCATION	VOL23	VOLUME	475094.487	3746041.126	488.960
** DESCRSRC	Unmitigated				
LOCATION	VOL24	VOLUME	475139.544	3746041.000	487.980
** DESCRSRC	Unmitigated				
LOCATION	VOL25	VOLUME	475181.048	3746039.834	486.640
** DESCRSRC	Unmitigated				
LOCATION	VOL1	VOLUME	475001.824	3746215.676	490.460
** DESCRSRC	Unmitigated				
LOCATION	VOL2	VOLUME	475040.963	3746215.939	488.560
** DESCRSRC	Unmitigated				
LOCATION	AREA1	AREA	474985.742	3746020.603	492.090
** DESCRSRC	Unmitigated				
LOCATION	AREA2	AREA	474985.742	3746020.603	492.090
** DESCRSRC	Mitigated				
** Source Parameters **					
SRCPARAM	VOL26	0.0018260873	5.000	10.465	2.330
SRCPARAM	VOL27	0.001826	5.000	10.465	2.330
SRCPARAM	VOL28	0.001826	5.000	10.465	2.330
SRCPARAM	VOL29	0.001826	5.000	10.465	2.330
SRCPARAM	VOL30	0.001826	5.000	10.465	2.330
SRCPARAM	VOL31	0.001826	5.000	10.465	2.330
SRCPARAM	VOL32	0.001826	5.000	10.465	2.330
SRCPARAM	VOL33	0.001826	5.000	10.465	2.330
SRCPARAM	VOL34	0.001826	5.000	10.465	2.330
SRCPARAM	VOL35	0.001826	5.000	10.465	2.330
SRCPARAM	VOL36	0.001826	5.000	10.465	2.330
SRCPARAM	VOL37	0.001826	5.000	10.465	2.330
SRCPARAM	VOL38	0.001826	5.000	10.465	2.330
SRCPARAM	VOL39	0.001826	5.000	10.465	2.330
SRCPARAM	VOL40	0.001826	5.000	10.465	2.330
SRCPARAM	VOL41	0.001826	5.000	10.465	2.330
SRCPARAM	VOL42	0.001826	5.000	10.465	2.330
SRCPARAM	VOL43	0.001826	5.000	10.465	2.330
SRCPARAM	VOL44	0.001826	5.000	10.465	2.330
SRCPARAM	VOL45	0.001826	5.000	10.465	2.330
SRCPARAM	VOL46	0.001826	5.000	10.465	2.330
SRCPARAM	VOL47	0.001826	5.000	10.465	2.330

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SRCPARAM VOL48	0.001826	5.000	10.465	2.330		
SRCPARAM VOL49	0.001826	5.000	10.465	2.330		
SRCPARAM VOL50	0.001826	5.000	10.465	2.330		
SRCPARAM VOL3	0.0071510097	5.000	10.465	2.330		
SRCPARAM VOL4	0.007151	5.000	10.465	2.330		
SRCPARAM VOL5	0.007151	5.000	10.465	2.330		
SRCPARAM VOL6	0.007151	5.000	10.465	2.330		
SRCPARAM VOL7	0.007151	5.000	10.465	2.330		
SRCPARAM VOL8	0.007151	5.000	10.465	2.330		
SRCPARAM VOL9	0.007151	5.000	10.465	2.330		
SRCPARAM VOL10	0.007151	5.000	10.465	2.330		
SRCPARAM VOL11	0.007151	5.000	10.465	2.330		
SRCPARAM VOL12	0.007151	5.000	10.465	2.330		
SRCPARAM VOL13	0.007151	5.000	10.465	2.330		
SRCPARAM VOL14	0.007151	5.000	10.465	2.330		
SRCPARAM VOL15	0.007151	5.000	10.465	2.330		
SRCPARAM VOL16	0.007151	5.000	10.465	2.330		
SRCPARAM VOL17	0.007151	5.000	10.465	2.330		
SRCPARAM VOL18	0.007151	5.000	10.465	2.330		
SRCPARAM VOL19	0.007151	5.000	10.465	2.330		
SRCPARAM VOL20	0.007151	5.000	10.465	2.330		
SRCPARAM VOL21	0.007151	5.000	10.465	2.330		
SRCPARAM VOL22	0.007151	5.000	10.465	2.330		
SRCPARAM VOL23	0.007151	5.000	10.465	2.330		
SRCPARAM VOL24	0.007151	5.000	10.465	2.330		
SRCPARAM VOL25	0.007151	5.000	10.465	2.330		
SRCPARAM VOL1	0.007151	5.000	10.465	2.326		
SRCPARAM VOL2	0.007151	5.000	10.465	2.326		
SRCPARAM AREA1	0.0000138425	0.000	210.987	210.987	0.000	1.000
SRCPARAM AREA2	5.3986E-06	0.000	210.987	210.987	0.000	1.000
URBANSRC ALL						

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"

** Variable Emission Scenario: "Construction"

EMISFACT VOL26	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL26	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL26	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL26	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL27	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL27	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL27	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL27	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL28	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL28	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL28	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL28	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL29	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL29	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL29	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL29	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL30	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL30	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL30	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL30	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL31	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL31	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL31	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL31	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL32	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL32	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL32	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL32	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL33	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL33	HROFDY	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT VOL33	HROFDY	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT VOL33	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT VOL34	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0

CO

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EMISFACT VOL19      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL20      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL20      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL20      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL21      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL21      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL21      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL22      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL22      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL22      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL23      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL23      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL23      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL24      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL24      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL24      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL25      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL25      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL25      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1       HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1       HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL1       HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL1       HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2       HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2       HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT VOL2       HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT VOL2       HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT AREA1     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT AREA1     HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT AREA1     HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT AREA1     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT AREA2     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT AREA2     HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT AREA2     HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT AREA2     HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP Unmit     VOL3 VOL4 VOL5 VOL6 VOL7 VOL8 VOL9 VOL10 VOL11 VOL12
SRCGROUP Unmit     VOL13 VOL14 VOL15 VOL16 VOL17 VOL18 VOL19 VOL20 VOL21
SRCGROUP Unmit     VOL22 VOL23 VOL24 VOL25 VOL1 VOL2 AREA1
SRCGROUP Mit       VOL26 VOL27 VOL28 VOL29 VOL30 VOL31 VOL32 VOL33 VOL34
SRCGROUP Mit       VOL35 VOL36 VOL37 VOL38 VOL39 VOL40 VOL41 VOL42 VOL43
SRCGROUP Mit       VOL44 VOL45 VOL46 VOL47 VOL48 VOL49 VOL50 AREA2
SRCGROUP ALL

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SO FINISHED

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** AERMOD Receptor Pathway

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RE STARTING

INCLUDED PM10.rou

RE FINISHED

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** AERMOD Meteorology Pathway

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**

ME STARTING

SURFFILE "..\..\SRA24_Met Data\peri8.sfc"

PROFFILE "..\..\SRA24_Met Data\peri8.PFL"

SURFDATA 3190 2007
UAIRDATA 3190 2007
SITEDATA 99999 2007
PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST PM10.AD\24H1GALL.PLT 31

PLOTFILE 24 Unmit 1ST PM10.AD\24H1G001.PLT 32

PLOTFILE 24 Mit 1ST PM10.AD\24H1G002.PLT 33

PLOTFILE ANNUAL ALL PM10.AD\AN00GALL.PLT 34

PLOTFILE ANNUAL Unmit PM10.AD\AN00G001.PLT 35

PLOTFILE ANNUAL Mit PM10.AD\AN00G002.PLT 36

SUMMFILE PM10.sum

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W531 436 MEOpen: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
08/05/16
*** AERMET - VERSION 14134 *** ***
11:24:33

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 52 Source(s),
for Total of 1 Urban Area(s):

CO

Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

- 1. Stack-tip Downwash.
- 2. Model Accounts for ELEVated Terrain Effects.
- 3. Use Calms Processing Routine.
- 4. Use Missing Data Processing Routine.
- 5. No Exponential Decay.
- 6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 52 Source(s); 3 Source Group(s); and 64 Receptor(s)

- with: 0 POINT(s), including
- 0 POINTCAP(s) and 0 POINTHOR(s)
- and: 50 VOLUME source(s)
- and: 2 AREA type source(s)
- and: 0 LINE source(s)
- and: 0 OPENPIT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

- Model Outputs Tables of ANNUAL Averages by Receptor
- Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
- Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.6 MB of RAM.

**Detailed Error/Message File: PM10.err

**File for Summary of Results: PM10.sum

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	CO		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
			X (METERS)	Y (METERS)						
VOL26	0	0.18261E-02	475086.7	3746216.3	486.8	5.00	10.47	2.33	YES	HROFDY
VOL27	0	0.18260E-02	475132.9	3746215.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL28	0	0.18260E-02	475179.5	3746215.0	484.3	5.00	10.47	2.33	YES	HROFDY
VOL29	0	0.18260E-02	475002.1	3746169.0	490.3	5.00	10.47	2.33	YES	HROFDY
VOL30	0	0.18260E-02	475047.4	3746168.3	488.8	5.00	10.47	2.33	YES	HROFDY
VOL31	0	0.18260E-02	475093.5	3746168.0	487.3	5.00	10.47	2.33	YES	HROFDY
VOL32	0	0.18260E-02	475138.9	3746168.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL33	0	0.18260E-02	475181.1	3746168.7	484.4	5.00	10.47	2.33	YES	HROFDY
VOL34	0	0.18260E-02	475003.1	3746122.3	489.8	5.00	10.47	2.33	YES	HROFDY
VOL35	0	0.18260E-02	475049.4	3746122.3	489.0	5.00	10.47	2.33	YES	HROFDY
VOL36	0	0.18260E-02	475095.7	3746123.3	487.5	5.00	10.47	2.33	YES	HROFDY
VOL37	0	0.18260E-02	475141.0	3746123.4	486.2	5.00	10.47	2.33	YES	HROFDY
VOL38	0	0.18260E-02	475181.7	3746123.3	484.8	5.00	10.47	2.33	YES	HROFDY
VOL39	0	0.18260E-02	475003.8	3746075.6	490.5	5.00	10.47	2.33	YES	HROFDY
VOL40	0	0.18260E-02	475049.9	3746076.3	489.0	5.00	10.47	2.33	YES	HROFDY
VOL41	0	0.18260E-02	475095.8	3746076.6	487.9	5.00	10.47	2.33	YES	HROFDY
VOL42	0	0.18260E-02	475140.8	3746077.5	487.0	5.00	10.47	2.33	YES	HROFDY
VOL43	0	0.18260E-02	475181.1	3746077.3	485.6	5.00	10.47	2.33	YES	HROFDY
VOL44	0	0.18260E-02	475003.1	3746038.5	491.2	5.00	10.47	2.33	YES	HROFDY
VOL45	0	0.18260E-02	475048.6	3746039.8	490.0	5.00	10.47	2.33	YES	HROFDY
VOL46	0	0.18260E-02	475094.5	3746041.1	489.0	5.00	10.47	2.33	YES	HROFDY
VOL47	0	0.18260E-02	475139.5	3746041.0	488.0	5.00	10.47	2.33	YES	HROFDY
VOL48	0	0.18260E-02	475181.1	3746039.8	486.6	5.00	10.47	2.33	YES	HROFDY
VOL49	0	0.18260E-02	475001.8	3746215.7	490.5	5.00	10.47	2.33	YES	HROFDY
VOL50	0	0.18260E-02	475041.0	3746215.9	488.6	5.00	10.47	2.33	YES	HROFDY
VOL3	0	0.71510E-02	475086.6	3746216.3	486.8	5.00	10.47	2.33	YES	HROFDY
VOL4	0	0.71510E-02	475132.9	3746215.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL5	0	0.71510E-02	475179.4	3746215.0	484.3	5.00	10.47	2.33	YES	HROFDY
VOL6	0	0.71510E-02	475002.1	3746169.0	490.3	5.00	10.47	2.33	YES	HROFDY
VOL7	0	0.71510E-02	475047.4	3746168.3	488.8	5.00	10.47	2.33	YES	HROFDY
VOL8	0	0.71510E-02	475093.5	3746168.0	487.3	5.00	10.47	2.33	YES	HROFDY
VOL9	0	0.71510E-02	475138.9	3746168.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL10	0	0.71510E-02	475181.0	3746168.7	484.4	5.00	10.47	2.33	YES	HROFDY
VOL11	0	0.71510E-02	475003.1	3746122.3	489.8	5.00	10.47	2.33	YES	HROFDY
VOL12	0	0.71510E-02	475049.4	3746122.3	489.0	5.00	10.47	2.33	YES	HROFDY
VOL13	0	0.71510E-02	475095.7	3746123.3	487.5	5.00	10.47	2.33	YES	HROFDY
VOL14	0	0.71510E-02	475141.0	3746123.4	486.2	5.00	10.47	2.33	YES	HROFDY
VOL15	0	0.71510E-02	475181.7	3746123.3	484.8	5.00	10.47	2.33	YES	HROFDY
VOL16	0	0.71510E-02	475003.8	3746075.6	490.5	5.00	10.47	2.33	YES	HROFDY
VOL17	0	0.71510E-02	475049.9	3746076.3	489.0	5.00	10.47	2.33	YES	HROFDY

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	CO		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
			X (METERS)	Y (METERS)						
VOL18	0	0.71510E-02	475095.8	3746076.7	487.9	5.00	10.47	2.33	YES	HROFDY
VOL19	0	0.71510E-02	475140.8	3746077.5	487.0	5.00	10.47	2.33	YES	HROFDY
VOL20	0	0.71510E-02	475181.0	3746077.3	485.6	5.00	10.47	2.33	YES	HROFDY
VOL21	0	0.71510E-02	475003.1	3746038.5	491.2	5.00	10.47	2.33	YES	HROFDY

CO
VOL22 0 0.71510E-02 475048.6 3746039.8 490.0 5.00 10.47 2.33 YES HROFDY
VOL23 0 0.71510E-02 475094.5 3746041.1 489.0 5.00 10.47 2.33 YES HROFDY
VOL24 0 0.71510E-02 475139.5 3746041.0 488.0 5.00 10.47 2.33 YES HROFDY
VOL25 0 0.71510E-02 475181.0 3746039.8 486.6 5.00 10.47 2.33 YES HROFDY
VOL1 0 0.71510E-02 475001.8 3746215.7 490.5 5.00 10.47 2.33 YES HROFDY
VOL2 0 0.71510E-02 475041.0 3746215.9 488.6 5.00 10.47 2.33 YES HROFDY
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** AREA SOURCE DATA ***

URBAN SOURCE	EMISSION RATE	NUMBER PART.	EMISSION RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM	Y-DIM	ORIENT.	INIT.
SOURCE SCALAR	SCALAR VARY	ID	CATS.	(GRAMS/SEC)	X Y	ELEV.	HEIGHT	OF AREA	OF AREA	SZ
		BY		(METER**2)	(METERS) (METERS)	(METERS)	(METERS)	(METERS)	(DEG.)	(METERS)

AREA1 0 0.13843E-04 474985.7 3746020.6 492.1 0.00 210.99 210.99 0.00 1.00
YES HROFDY
AREA2 0 0.53986E-05 474985.7 3746020.6 492.1 0.00 210.99 210.99 0.00 1.00
YES HROFDY
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
UNMIT VOL10	VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 ,
VOL18	VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 ,
	VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 , VOL1
	VOL2 , AREA1 ,
MIT VOL33	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL32 ,
VOL41	VOL34 , VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 ,
VOL49	VOL42 , VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 ,
	VOL50 , AREA2 ,

```

          CO
ALL      VOL26      , VOL27      , VOL28      , VOL29      , VOL30      , VOL31      , VOL32      ,
VOL33   ,
VOL41   VOL34      , VOL35      , VOL36      , VOL37      , VOL38      , VOL39      , VOL40      ,
,
VOL49   VOL42      , VOL43      , VOL44      , VOL45      , VOL46      , VOL47      , VOL48      ,
,
          VOL50      , VOL3       , VOL4       , VOL5       , VOL6       , VOL7       , VOL8       , VOL9
,
VOL17   VOL10      , VOL11      , VOL12      , VOL13      , VOL14      , VOL15      , VOL16      ,
,
VOL25   VOL18      , VOL19      , VOL20      , VOL21      , VOL22      , VOL23      , VOL24      ,
,

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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*** SOURCE IDs DEFINED AS URBAN SOURCES ***

```

URBAN ID  URBAN POP          SOURCE IDs
-----  -
          2100516. VOL26      , VOL27      , VOL28      , VOL29      , VOL30      , VOL31      , VOL32
VOL33   ,
VOL41   VOL34      , VOL35      , VOL36      , VOL37      , VOL38      , VOL39      , VOL40      ,
,
VOL49   VOL42      , VOL43      , VOL44      , VOL45      , VOL46      , VOL47      , VOL48      ,
,
          VOL50      , VOL3       , VOL4       , VOL5       , VOL6       , VOL7       , VOL8       , VOL9
,
VOL17   VOL10      , VOL11      , VOL12      , VOL13      , VOL14      , VOL15      , VOL16      ,
,
VOL25   VOL18      , VOL19      , VOL20      , VOL21      , VOL22      , VOL23      , VOL24      ,
,

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

```

    HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
SCALAR
-----

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- - - - -

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :

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

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 **MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

		CO									
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

```

SOURCE ID = VOL31 ; 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

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SOURCE ID = VOL32 ; 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

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SOURCE ID = VOL33 ; 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 = VOL34 ; 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

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SOURCE ID = VOL35 ; 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

```

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  08/05/16
*** AERMET - VERSION 14134 *** ***
  11:24:33

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**MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN

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CO

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
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SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :

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

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
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SOURCE ID = VOL46 ; 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 = VOL47 ; 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 = VOL48 ; 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 = VOL49 ; 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 = VOL50 ; 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

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.00000E+00

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

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SOURCE ID = VOL3 ; 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 = VOL4 ; 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 = VOL5 ; 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 = VOL6 ; 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 = VOL7 ; 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

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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
.00000E+00										24	

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 **MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
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SOURCE ID = VOL8 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL9 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL10 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL11 ; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
---	------------	---	------------	---	------------	---	------------	---	------------	---	--

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.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

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
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SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :

.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :

.00000E+00	1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01	7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.00000E+00	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

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SOURCE ID = VOL17 ; 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

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
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SOURCE ID = VOL18 ; 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 = VOL19 ; 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 = VOL20 ; 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 = VOL21 ; 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

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 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = VOL22 ; 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

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
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SOURCE ID = VOL23 ; 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 = VOL24 ; 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 = VOL25 ; 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 = VOL1 ; 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

CO

.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 = VOL2 ; 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										

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

SOURCE ID = AREA1 ; SOURCE TYPE = AREA :

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 = AREA2 ; SOURCE TYPE = AREA :

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										

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

(474747.9, 3745949.7, 510.2, 517.0, 2.0); (474784.6, 3745949.7, 504.4, 521.0,

CO

2.0);
 (474821.2, 3745949.7, 500.6, 523.0, 2.0); (474857.9, 3745949.7, 499.4, 517.0,
 2.0);
 (474894.6, 3745949.7, 498.2, 498.2, 2.0); (474931.2, 3745949.7, 496.0, 496.0,
 2.0);
 (474967.9, 3745949.7, 494.7, 494.7, 2.0); (475004.6, 3745949.7, 493.0, 493.0,
 2.0);
 (475041.3, 3745949.7, 489.9, 489.9, 2.0); (475077.9, 3745949.7, 487.2, 487.2,
 2.0);
 (475114.6, 3745949.7, 486.9, 486.9, 2.0); (475151.3, 3745949.7, 486.4, 486.4,
 2.0);
 (475187.9, 3745949.7, 486.4, 486.4, 2.0); (475224.6, 3745949.7, 483.6, 483.6,
 2.0);
 (475261.3, 3745949.7, 482.0, 482.0, 2.0); (475298.0, 3745949.7, 480.7, 480.7,
 2.0);
 (475334.6, 3745949.7, 479.5, 479.5, 2.0); (475371.3, 3745949.7, 478.3, 478.3,
 2.0);
 (475408.0, 3745949.7, 478.0, 478.0, 2.0); (475444.6, 3745949.7, 476.0, 476.0,
 2.0);
 (475481.3, 3745949.7, 475.6, 475.6, 2.0); (474747.9, 3745959.5, 510.2, 517.0,
 2.0);
 (474784.6, 3745959.5, 504.1, 523.0, 2.0); (474821.2, 3745959.5, 500.3, 523.0,
 2.0);
 (474857.9, 3745959.5, 498.9, 519.0, 2.0); (474894.6, 3745959.5, 497.5, 497.5,
 2.0);
 (474931.2, 3745959.5, 495.6, 495.6, 2.0); (474967.9, 3745959.5, 494.4, 494.4,
 2.0);
 (475004.6, 3745959.5, 492.7, 492.7, 2.0); (475041.3, 3745959.5, 489.8, 489.8,
 2.0);
 (475077.9, 3745959.5, 487.4, 487.4, 2.0); (475114.6, 3745959.5, 486.9, 486.9,
 2.0);
 (475151.3, 3745959.5, 486.9, 486.9, 2.0); (475187.9, 3745959.5, 486.5, 486.5,
 2.0);
 (475224.6, 3745959.5, 483.8, 483.8, 2.0); (475261.3, 3745959.5, 482.3, 482.3,
 2.0);
 (475298.0, 3745959.5, 481.1, 481.1, 2.0); (475334.6, 3745959.5, 479.8, 479.8,
 2.0);
 (475371.3, 3745959.5, 478.6, 478.6, 2.0); (475408.0, 3745959.5, 478.0, 478.0,
 2.0);
 (475444.6, 3745959.5, 476.3, 476.3, 2.0); (475481.3, 3745959.5, 475.6, 475.6,
 2.0);
 (475854.1, 3746316.7, 466.2, 466.2, 2.0); (475863.3, 3746274.2, 466.2, 466.2,
 2.0);
 (474664.9, 3746299.9, 509.9, 523.0, 0.0); (474662.0, 3746153.1, 507.5, 507.5,
 0.0);
 (474663.5, 3746228.0, 510.2, 517.0, 0.0); (474771.4, 3745956.1, 506.3, 521.0,
 0.0);
 (474870.6, 3745958.9, 498.4, 517.0, 0.0); (474997.2, 3745954.6, 493.4, 493.4,
 0.0);
 (475493.6, 3746291.3, 474.1, 474.1, 0.0); (475487.8, 3746194.9, 475.4, 475.4,
 0.0);
 (475489.2, 3746118.6, 475.4, 475.4, 0.0); (475487.8, 3746026.5, 475.2, 475.2,
 0.0);
 (475487.8, 3745983.4, 475.4, 475.4, 0.0); (475983.6, 3745850.6, 464.9, 464.9,
 0.0);
 (475666.2, 3746386.1, 469.2, 469.2, 0.0); (475458.0, 3746392.7, 473.6, 473.6,
 0.0);
 (475552.8, 3746390.5, 472.1, 472.1, 0.0); (475923.0, 3746380.6, 464.9, 464.9,
 0.0);
 (475680.6, 3746815.8, 467.0, 467.0, 0.0); (475845.8, 3746556.8, 465.5, 465.5,
 0.0);
 (475854.1, 3746316.7, 466.2, 466.2, 0.0); (475863.3, 3746274.2, 466.2, 466.2,
 0.0);

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1

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)

♀ *** AERMOD - VERSION 15181 *** 1.54, 3.09, 5.14, 8.23, 10.80, ***
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 *** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

Surface file: ..\..\SRA24_Met Data\peri8.sfc Met Version:
 14134
 Profile file: ..\..\SRA24_Met Data\peri8.PFL
 Surface format: FREE
 Profile format: FREE
 Surface station no.: 3190 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2007 Year: 2007

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	133.	9.1	279.9			
5.5																					
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	192.	9.1	279.2			
5.5																					
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	160.	9.1	277.5			
5.5																					
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	75.	9.1	277.5			
5.5																					
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	1.00	0.50	282.	9.1	278.8			

CO

5.5	07 01 01	1 06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	1.00	0.50	96.	9.1	277.5
5.5	07 01 01	1 07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	129.	9.1	278.1
5.5	07 01 01	1 08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	0.54	0.50	99.	9.1	277.5
5.5	07 01 01	1 09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	0.33	0.50	133.	9.1	278.1
5.5	07 01 01	1 10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	0.26	0.50	174.	9.1	281.4
5.5	07 01 01	1 11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	0.23	0.50	95.	9.1	284.9
5.5	07 01 01	1 12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	0.22	1.30	94.	9.1	288.1
5.5	07 01 01	1 13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	0.22	2.20	24.	9.1	291.4
5.5	07 01 01	1 14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	0.23	3.60	13.	9.1	292.5
5.5	07 01 01	1 15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	0.27	5.80	318.	9.1	292.0
5.5	07 01 01	1 16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	0.36	5.80	329.	9.1	291.4
5.5	07 01 01	1 17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00	0.64	4.50	333.	9.1	289.9
5.5	07 01 01	1 18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00	1.00	3.60	305.	9.1	288.8
5.5	07 01 01	1 19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00	1.00	4.50	276.	9.1	287.5
5.5	07 01 01	1 20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00	1.00	3.60	323.	9.1	287.5
5.5	07 01 01	1 21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00	1.00	4.00	322.	9.1	288.1
5.5	07 01 01	1 22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00	1.00	4.50	30.	9.1	288.1
5.5	07 01 01	1 23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00	1.00	4.00	343.	9.1	287.0
5.5	07 01 01	1 24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00	1.00	1.80	155.	9.1	283.8

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: UNMIT

*** INCLUDING SOURCE(S): VOL3 , VOL4 , VOL5 , VOL6 ,

VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,

VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,

VOL23 , VOL24 , VOL25 , VOL1 , VOL2 , AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

CO
 ** CONC OF PM₁₀ IN MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	0.41538	474784.57	3745949.70	0.52818
474821.24	3745949.70	0.67539	474857.91	3745949.70	0.86269
474894.58	3745949.70	1.12547	474931.25	3745949.70	1.51311
474967.92	3745949.70	2.03206	475004.59	3745949.70	2.71779
475041.26	3745949.70	3.44959	475077.93	3745949.70	3.85334
475114.60	3745949.70	3.93709	475151.27	3745949.70	3.74356
475187.94	3745949.70	3.28021	475224.61	3745949.70	2.57363
475261.28	3745949.70	1.88226	475297.95	3745949.70	1.35922
475334.62	3745949.70	0.99315	475371.29	3745949.70	0.74029
475407.96	3745949.70	0.56532	475444.63	3745949.70	0.43903
475481.30	3745949.70	0.34861	474747.90	3745959.54	0.42298
474784.57	3745959.54	0.54202	474821.24	3745959.54	0.69848
474857.91	3745959.54	0.90354	474894.58	3745959.54	1.19937
474931.25	3745959.54	1.64567	474967.92	3745959.54	2.28094
475004.59	3745959.54	3.15249	475041.26	3745959.54	4.03192
475077.93	3745959.54	4.48699	475114.60	3745959.54	4.56187
475151.27	3745959.54	4.30571	475187.94	3745959.54	3.70791
475224.61	3745959.54	2.80896	475261.28	3745959.54	1.98351
475297.95	3745959.54	1.39865	475334.62	3745959.54	1.00632
475371.29	3745959.54	0.74254	475407.96	3745959.54	0.56272
475444.63	3745959.54	0.43507	475481.30	3745959.54	0.34396
475854.15	3746316.72	0.05866	475863.29	3746274.18	0.05876
474664.93	3746299.89	0.28106	474662.05	3746153.15	0.33306
474663.49	3746227.96	0.31238	474771.38	3745956.06	0.49906
474870.65	3745958.94	1.01227	474997.25	3745954.62	2.84167
475493.57	3746291.26	0.21261	475487.82	3746194.87	0.22972
475489.25	3746118.62	0.24527	475487.82	3746026.55	0.29102
475487.82	3745983.39	0.31620	475983.57	3745850.62	0.05729
475666.25	3746386.09	0.10189	475458.03	3746392.70	0.24374
475552.78	3746390.49	0.15790	475922.95	3746380.58	0.04962
475680.57	3746815.75	0.08270	475845.83	3746556.85	0.06350

475854.15 3746316.72 0.05847 CO 475863.29 3746274.18 0.05857

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: MIT

 INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,
 VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 , VOL47 , VOL48 , VOL49 , VOL50 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF PM_10 IN MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	0.15003	474784.57	3745949.70	0.19063
474821.24	3745949.70	0.24356	474857.91	3745949.70	0.31092
474894.58	3745949.70	0.40532	474931.25	3745949.70	0.54423
474967.92	3745949.70	0.73017	475004.59	3745949.70	0.97682
475041.26	3745949.70	1.24175	475077.93	3745949.70	1.38759
475114.60	3745949.70	1.41828	475151.27	3745949.70	1.34798
475187.94	3745949.70	1.18056	475224.61	3745949.70	0.92439
475261.28	3745949.70	0.67480	475297.95	3745949.70	0.48629
475334.62	3745949.70	0.35448	475371.29	3745949.70	0.26354
475407.96	3745949.70	0.20072	475444.63	3745949.70	0.15542
475481.30	3745949.70	0.12304	474747.90	3745959.54	0.15281
474784.57	3745959.54	0.19566	474821.24	3745959.54	0.25193
474857.91	3745959.54	0.32571	474894.58	3745959.54	0.43202
474931.25	3745959.54	0.59212	474967.92	3745959.54	0.81996
475004.59	3745959.54	1.13373	475041.26	3745959.54	1.45264
475077.93	3745959.54	1.61723	475114.60	3745959.54	1.64437
475151.27	3745959.54	1.55114	475187.94	3745959.54	1.33423
475224.61	3745959.54	1.00811	475261.28	3745959.54	0.71032
475297.95	3745959.54	0.49976	475334.62	3745959.54	0.35866
475371.29	3745959.54	0.26392	475407.96	3745959.54	0.19945

CO

475444.63	3745959.54	0.15373	475481.30	3745959.54	0.12115
475854.15	3746316.72	0.01971	475863.29	3746274.18	0.01975
474664.93	3746299.89	0.10207	474662.05	3746153.15	0.12110
474663.49	3746227.96	0.11364	474771.38	3745956.06	0.18015
474870.65	3745958.94	0.36461	474997.25	3745954.62	1.02096
475493.57	3746291.26	0.07301	475487.82	3746194.87	0.07794
475489.25	3746118.62	0.08333	475487.82	3746026.55	0.10075
475487.82	3745983.39	0.11067	475983.57	3745850.62	0.01972
475666.25	3746386.09	0.03499	475458.03	3746392.70	0.08560
475552.78	3746390.49	0.05489	475922.95	3746380.58	0.01669
475680.57	3746815.75	0.02949	475845.83	3746556.85	0.02203
475854.15	3746316.72	0.01965	475863.29	3746274.18	0.01969

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
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**MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL

 INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,
 VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 , VOL47 , VOL48 , VOL49 , VOL50 , VOL3 , VOL4 , VOL5 ,
 . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF PM_10	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	0.56541	474784.57	3745949.70	0.71881
474821.24	3745949.70	0.91895	474857.91	3745949.70	1.17361
474894.58	3745949.70	1.53079	474931.25	3745949.70	2.05734
474967.92	3745949.70	2.76223	475004.59	3745949.70	3.69461
475041.26	3745949.70	4.69134	475077.93	3745949.70	5.24093
475114.60	3745949.70	5.35537	475151.27	3745949.70	5.09154
475187.94	3745949.70	4.46077	475224.61	3745949.70	3.49802
475261.28	3745949.70	2.55706	475297.95	3745949.70	1.84550
475334.62	3745949.70	1.34763	475371.29	3745949.70	1.00383

CO

475407.96	3745949.70	0.76603	475444.63	3745949.70	0.59446
475481.30	3745949.70	0.47165	474747.90	3745959.54	0.57580
474784.57	3745959.54	0.73768	474821.24	3745959.54	0.95041
474857.91	3745959.54	1.22925	474894.58	3745959.54	1.63140
474931.25	3745959.54	2.23779	474967.92	3745959.54	3.10090
475004.59	3745959.54	4.28622	475041.26	3745959.54	5.48456
475077.93	3745959.54	6.10421	475114.60	3745959.54	6.20625
475151.27	3745959.54	5.85685	475187.94	3745959.54	5.04214
475224.61	3745959.54	3.81707	475261.28	3745959.54	2.69383
475297.95	3745959.54	1.89841	475334.62	3745959.54	1.36498
475371.29	3745959.54	1.00646	475407.96	3745959.54	0.76217
475444.63	3745959.54	0.58880	475481.30	3745959.54	0.46511
475854.15	3746316.72	0.07837	475863.29	3746274.18	0.07851
474664.93	3746299.89	0.38313	474662.05	3746153.15	0.45416
474663.49	3746227.96	0.42602	474771.38	3745956.06	0.67921
474870.65	3745958.94	1.37688	474997.25	3745954.62	3.86263
475493.57	3746291.26	0.28562	475487.82	3746194.87	0.30767
475489.25	3746118.62	0.32859	475487.82	3746026.55	0.39177
475487.82	3745983.39	0.42687	475983.57	3745850.62	0.07700
475666.25	3746386.09	0.13689	475458.03	3746392.70	0.32934
475552.78	3746390.49	0.21278	475922.95	3746380.58	0.06631
475680.57	3746815.75	0.11219	475845.83	3746556.85	0.08553
475854.15	3746316.72	0.07811	475863.29	3746274.18	0.07826

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: UNMIT
*** INCLUDING SOURCE(S): VOL3 , VOL4 , VOL5 , VOL6 ,
VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL1 , VOL2 , AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		CO					
		** CONC OF PM ₁₀			IN MICROGRAMS/M ³		**
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	
(YYMMDDHH)							
474747.90	3745949.70	7.83199	(09012824)	474784.57	3745949.70	8.68390	
(09012824)							
474821.24	3745949.70	9.35691	(11011024)	474857.91	3745949.70	11.12039	
(08022324)							
474894.58	3745949.70	12.91531	(08022324)	474931.25	3745949.70	16.07397	
(10011024)							
474967.92	3745949.70	17.44671	(10011024)	475004.59	3745949.70	19.61703	
(08010524)							
475041.26	3745949.70	21.02754	(08010524)	475077.93	3745949.70	21.47182m	
(10120724)							
475114.60	3745949.70	20.35725m	(10120724)	475151.27	3745949.70	19.65141	
(11011224)							
475187.94	3745949.70	17.87898	(07012124)	475224.61	3745949.70	14.53009b	
(10121624)							
475261.28	3745949.70	12.88480	(11122424)	475297.95	3745949.70	12.09912	
(10121124)							
475334.62	3745949.70	10.72123	(10121124)	475371.29	3745949.70	9.23031m	
(08010224)							
475407.96	3745949.70	9.16092m	(08010224)	475444.63	3745949.70	8.78044m	
(08010224)							
475481.30	3745949.70	8.35367m	(08010224)	474747.90	3745959.54	7.90151	
(09012824)							
474784.57	3745959.54	8.91373	(09012824)	474821.24	3745959.54	9.69483	
(09012824)							
474857.91	3745959.54	11.03064	(08022324)	474894.58	3745959.54	13.28211	
(08022324)							
474931.25	3745959.54	16.57528	(10011024)	474967.92	3745959.54	18.96962	
(10011024)							
475004.59	3745959.54	21.48825	(08010524)	475041.26	3745959.54	23.34525	
(08010524)							
475077.93	3745959.54	23.51385	(08010524)	475114.60	3745959.54	22.25480m	
(10120724)							
475151.27	3745959.54	21.45670	(11011224)	475187.94	3745959.54	19.34249	
(07012124)							
475224.61	3745959.54	15.68423b	(10121624)	475261.28	3745959.54	13.90326	
(10121124)							
475297.95	3745959.54	12.63686	(10121124)	475334.62	3745959.54	10.78603	
(10121124)							
475371.29	3745959.54	10.04427m	(08010224)	475407.96	3745959.54	9.62832m	
(08010224)							
475444.63	3745959.54	9.03935m	(08010224)	475481.30	3745959.54	8.46695m	
(08010224)							
475854.15	3746316.72	3.24249	(09020124)	475863.29	3746274.18	3.31602m	
(08122124)							
474664.93	3746299.89	7.01243	(07121924)	474662.05	3746153.15	6.96095	
(09022224)							
474663.49	3746227.96	6.64477	(07121924)	474771.38	3745956.06	8.60385	
(09012824)							
474870.65	3745958.94	11.82038	(08022324)	474997.25	3745954.62	19.79392	
(08010524)							
475493.57	3746291.26	6.74085	(08010624)	475487.82	3746194.87	6.49112m	
(08122124)							
475489.25	3746118.62	6.76134	(09121324)	475487.82	3746026.55	7.41198m	
(08010224)							
475487.82	3745983.39	8.25495m	(08010224)	475983.57	3745850.62	3.30417m	
(08010224)							
475666.25	3746386.09	4.58190	(08010624)	475458.03	3746392.70	6.73589	
(09012324)							
475552.78	3746390.49	5.95886	(08010624)	475922.95	3746380.58	3.21037	
(09020124)							
475680.57	3746815.75	3.08312	(09020324)	475845.83	3746556.85	3.42297	

CO

(08010624)
 475854.15 3746316.72 3.22466 (09020124) 475863.29 3746274.18 3.29258m
 (08122124)
 *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: MIT

INCLUDING SOURCE(S):

VOL26 , VOL27 , VOL28 , VOL29 ,
 VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 , VOL47 , VOL48 , VOL49 , VOL50 , AREA2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC
 (YYMMDDHH)

474747.90	3745949.70	2.97394	(09012824)	474784.57	3745949.70	3.30138
(09012824)						
474821.24	3745949.70	3.49210	(09012824)	474857.91	3745949.70	4.25804
(08022324)						
474894.58	3745949.70	4.94867	(08022324)	474931.25	3745949.70	6.13428
(10011024)						
474967.92	3745949.70	6.64681	(10011024)	475004.59	3745949.70	7.37993
(08010524)						
475041.26	3745949.70	7.94961	(08010524)	475077.93	3745949.70	8.08589m
(10120724)						
475114.60	3745949.70	7.66911m	(10120724)	475151.27	3745949.70	7.40395
(11011224)						
475187.94	3745949.70	6.77210	(07012124)	475224.61	3745949.70	5.49908b
(10121624)						
475261.28	3745949.70	4.91744	(11122424)	475297.95	3745949.70	4.61801
(10121124)						
475334.62	3745949.70	4.10728	(10121124)	475371.29	3745949.70	3.54309m
(08010224)						
475407.96	3745949.70	3.52541m	(08010224)	475444.63	3745949.70	3.38438m
(08010224)						
475481.30	3745949.70	3.22353m	(08010224)	474747.90	3745959.54	3.00005
(09012824)						
474784.57	3745959.54	3.38935	(09012824)	474821.24	3745959.54	3.69445
(09012824)						
474857.91	3745959.54	4.22463	(08022324)	474894.58	3745959.54	5.09192
(08022324)						
474931.25	3745959.54	6.32226	(10011024)	474967.92	3745959.54	7.22567
(10011024)						
475004.59	3745959.54	8.10054	(08010524)	475041.26	3745959.54	8.82802
(08010524)						
475077.93	3745959.54	8.89539	(08010524)	475114.60	3745959.54	8.37086m
(10120724)						
475151.27	3745959.54	8.07751	(11011224)	475187.94	3745959.54	7.31944
(07012124)						
475224.61	3745959.54	5.93321b	(10121624)	475261.28	3745959.54	5.27721
(10121124)						
475297.95	3745959.54	4.82555	(10121124)	475334.62	3745959.54	4.13179
(10121124)						

				CO			
(08010224)	475371.29	3745959.54	3.85871m	(08010224)	475407.96	3745959.54	3.70650m
(08010224)	475444.63	3745959.54	3.48451m	(08010224)	475481.30	3745959.54	3.26712m
(08122124)	475854.15	3746316.72	1.25581	(09020124)	475863.29	3746274.18	1.28476m
(09022224)	474664.93	3746299.89	2.67386	(07121924)	474662.05	3746153.15	2.64690
(09012824)	474663.49	3746227.96	2.52974	(07121924)	474771.38	3745956.06	3.27238
(08010524)	474870.65	3745958.94	4.53834	(08022324)	474997.25	3745954.62	7.49886
(08122124)	475493.57	3746291.26	2.58217	(08010624)	475487.82	3746194.87	2.50493m
(08010224)	475489.25	3746118.62	2.59696	(09121324)	475487.82	3746026.55	2.85359m
(08010224)	475487.82	3745983.39	3.18428m	(08010224)	475983.57	3745850.62	1.27942m
(09012324)	475666.25	3746386.09	1.76421	(08010624)	475458.03	3746392.70	2.59391
(09020124)	475552.78	3746390.49	2.29408	(08010624)	475922.95	3746380.58	1.24460
(08010624)	475680.57	3746815.75	1.19556	(09020324)	475845.83	3746556.85	1.32325
(08122124)	475854.15	3746316.72	1.24890	(09020124)	475863.29	3746274.18	1.27566m

♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 *** INCLUDING SOURCE(S): VOL26 , VOL27 , VOL28 , VOL29 ,
 VOL30 , VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 , VOL47 , VOL48 , VOL49 , VOL50 , VOL3 , VOL4 , VOL5 ,
 . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF PM ₁₀ IN MICROGRAMS/M ³				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
(09012824)	474747.90	3745949.70	10.80593 (09012824)	474784.57	3745949.70	11.98527
(08022324)	474821.24	3745949.70	12.82491 (11011024)	474857.91	3745949.70	15.37843
(10011024)	474894.58	3745949.70	17.86399 (08022324)	474931.25	3745949.70	22.20825
(08010524)	474967.92	3745949.70	24.09352 (10011024)	475004.59	3745949.70	26.99697
(10120724)	475041.26	3745949.70	28.97715 (08010524)	475077.93	3745949.70	29.55771m
(11011224)	475114.60	3745949.70	28.02636m (10120724)	475151.27	3745949.70	27.05536
(10121624)	475187.94	3745949.70	24.65109 (07012124)	475224.61	3745949.70	20.02917b

		CO					
(10121124)	475261.28	3745949.70	17.80223	(11122424)	475297.95	3745949.70	16.71713
(08010224)	475334.62	3745949.70	14.82851	(10121124)	475371.29	3745949.70	12.77340m
(08010224)	475407.96	3745949.70	12.68632m	(08010224)	475444.63	3745949.70	12.16482m
(09012824)	475481.30	3745949.70	11.57719m	(08010224)	474747.90	3745959.54	10.90156
(09012824)	474784.57	3745959.54	12.30308	(09012824)	474821.24	3745959.54	13.38928
(08022324)	474857.91	3745959.54	15.25527	(08022324)	474894.58	3745959.54	18.37402
(10011024)	474931.25	3745959.54	22.89754	(10011024)	474967.92	3745959.54	26.19529
(08010524)	475004.59	3745959.54	29.58879	(08010524)	475041.26	3745959.54	32.17327
(10120724)	475077.93	3745959.54	32.40924	(08010524)	475114.60	3745959.54	30.62566m
(07012124)	475151.27	3745959.54	29.53421	(11011224)	475187.94	3745959.54	26.66194
(10121124)	475224.61	3745959.54	21.61744b	(10121624)	475261.28	3745959.54	19.18047
(10121124)	475297.95	3745959.54	17.46240	(10121124)	475334.62	3745959.54	14.91782
(08010224)	475371.29	3745959.54	13.90298m	(08010224)	475407.96	3745959.54	13.33482m
(08010224)	475444.63	3745959.54	12.52387m	(08010224)	475481.30	3745959.54	11.73408m
(08122124)	475854.15	3746316.72	4.49830	(09020124)	475863.29	3746274.18	4.60077m
(09022224)	474664.93	3746299.89	9.68629	(07121924)	474662.05	3746153.15	9.60785
(09012824)	474663.49	3746227.96	9.17451	(07121924)	474771.38	3745956.06	11.87623
(08010524)	474870.65	3745958.94	16.35872	(08022324)	474997.25	3745954.62	27.29278
(08122124)	475493.57	3746291.26	9.32302	(08010624)	475487.82	3746194.87	8.99605m
(08010224)	475489.25	3746118.62	9.35830	(09121324)	475487.82	3746026.55	10.26556m
(08010224)	475487.82	3745983.39	11.43923m	(08010224)	475983.57	3745850.62	4.58359m
(09012324)	475666.25	3746386.09	6.34612	(08010624)	475458.03	3746392.70	9.32981
(09020124)	475552.78	3746390.49	8.25293	(08010624)	475922.95	3746380.58	4.45497
(08010624)	475680.57	3746815.75	4.27868	(09020324)	475845.83	3746556.85	4.74622
(08122124)	475854.15	3746316.72	4.47356	(09020124)	475863.29	3746274.18	4.56824m

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
08/05/16
*** AERMET - VERSION 14134 *** ***
11:24:33

PAGE 27
**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN
*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS ***
** CONC OF PM_10 IN MICROGRAMS/M**3 **

NETWORK
GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
GRID-ID

CO

UNMIT	1ST HIGHEST VALUE IS	4.56187 AT (	475114.60,	3745959.54,	486.94,	486.94,	2.00)	DC
	2ND HIGHEST VALUE IS	4.48699 AT (	475077.93,	3745959.54,	487.43,	487.43,	2.00)	DC
	3RD HIGHEST VALUE IS	4.30571 AT (	475151.27,	3745959.54,	486.89,	486.89,	2.00)	DC
	4TH HIGHEST VALUE IS	4.03192 AT (	475041.26,	3745959.54,	489.78,	489.78,	2.00)	DC
	5TH HIGHEST VALUE IS	3.93709 AT (	475114.60,	3745949.70,	486.85,	486.85,	2.00)	DC
	6TH HIGHEST VALUE IS	3.85334 AT (	475077.93,	3745949.70,	487.15,	487.15,	2.00)	DC
	7TH HIGHEST VALUE IS	3.74356 AT (	475151.27,	3745949.70,	486.37,	486.37,	2.00)	DC
	8TH HIGHEST VALUE IS	3.70791 AT (	475187.94,	3745959.54,	486.53,	486.53,	2.00)	DC
	9TH HIGHEST VALUE IS	3.44959 AT (	475041.26,	3745949.70,	489.87,	489.87,	2.00)	DC
	10TH HIGHEST VALUE IS	3.28021 AT (	475187.94,	3745949.70,	486.39,	486.39,	2.00)	DC
MIT	1ST HIGHEST VALUE IS	1.64437 AT (	475114.60,	3745959.54,	486.94,	486.94,	2.00)	DC
	2ND HIGHEST VALUE IS	1.61723 AT (	475077.93,	3745959.54,	487.43,	487.43,	2.00)	DC
	3RD HIGHEST VALUE IS	1.55114 AT (	475151.27,	3745959.54,	486.89,	486.89,	2.00)	DC
	4TH HIGHEST VALUE IS	1.45264 AT (	475041.26,	3745959.54,	489.78,	489.78,	2.00)	DC
	5TH HIGHEST VALUE IS	1.41828 AT (	475114.60,	3745949.70,	486.85,	486.85,	2.00)	DC
	6TH HIGHEST VALUE IS	1.38759 AT (	475077.93,	3745949.70,	487.15,	487.15,	2.00)	DC
	7TH HIGHEST VALUE IS	1.34798 AT (	475151.27,	3745949.70,	486.37,	486.37,	2.00)	DC
	8TH HIGHEST VALUE IS	1.33423 AT (	475187.94,	3745959.54,	486.53,	486.53,	2.00)	DC
	9TH HIGHEST VALUE IS	1.24175 AT (	475041.26,	3745949.70,	489.87,	489.87,	2.00)	DC
	10TH HIGHEST VALUE IS	1.18056 AT (	475187.94,	3745949.70,	486.39,	486.39,	2.00)	DC
ALL	1ST HIGHEST VALUE IS	6.20625 AT (	475114.60,	3745959.54,	486.94,	486.94,	2.00)	DC
	2ND HIGHEST VALUE IS	6.10421 AT (	475077.93,	3745959.54,	487.43,	487.43,	2.00)	DC
	3RD HIGHEST VALUE IS	5.85685 AT (	475151.27,	3745959.54,	486.89,	486.89,	2.00)	DC
	4TH HIGHEST VALUE IS	5.48456 AT (	475041.26,	3745959.54,	489.78,	489.78,	2.00)	DC
	5TH HIGHEST VALUE IS	5.35537 AT (	475114.60,	3745949.70,	486.85,	486.85,	2.00)	DC
	6TH HIGHEST VALUE IS	5.24093 AT (	475077.93,	3745949.70,	487.15,	487.15,	2.00)	DC
	7TH HIGHEST VALUE IS	5.09154 AT (	475151.27,	3745949.70,	486.37,	486.37,	2.00)	DC
	8TH HIGHEST VALUE IS	5.04214 AT (	475187.94,	3745959.54,	486.53,	486.53,	2.00)	DC
	9TH HIGHEST VALUE IS	4.69134 AT (	475041.26,	3745949.70,	489.87,	489.87,	2.00)	DC
	10TH HIGHEST VALUE IS	4.46077 AT (475187.94,	3745949.70,	486.39,	486.39,	2.00)	DC

CO

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

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

NETWORK		DATE		** CONC OF PM_10 IN MICROGRAMS/M**3			
GROUP ID	OF TYPE	AVERAGE CONC	(YMMDDHH)	RECEPTOR	(XR, YR, ZELEV,	ZHILL,	ZFLAG)
UNMIT	HIGH	23.51385	ON 08010524:	AT (	475077.93,	3745959.54,	487.43, 487.43,
2.00)	DC						
MIT	HIGH	8.89539	ON 08010524:	AT (	475077.93,	3745959.54,	487.43, 487.43,
2.00)	DC						
ALL	HIGH	32.40924	ON 08010524:	AT (	475077.93,	3745959.54,	487.43, 487.43,
2.00)	DC						

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM10\PM10.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)
A Total of 43824 Hours Were Processed
A Total of 90 Calm Hours Identified
A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 436 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 8/5/2016
** File: C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.ADI
**

**

**

** AERMOD Control Pathway

**
**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.isc
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2100516
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL PM25.err

CO FINISHED

**

** AERMOD Source Pathway

**
**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **				
LOCATION VOL3	VOLUME	475086.649	3746216.308	486.780
** DESCRSRC Unmitigated				
LOCATION VOL4	VOLUME	475132.930	3746215.157	486.000
** DESCRSRC Unmitigated				
LOCATION VOL5	VOLUME	475179.449	3746215.043	484.310
** DESCRSRC Unmitigated				
LOCATION VOL6	VOLUME	475002.141	3746168.977	490.300
** DESCRSRC Unmitigated				
LOCATION VOL7	VOLUME	475047.352	3746168.331	488.810
** DESCRSRC Unmitigated				
LOCATION VOL8	VOLUME	475093.518	3746168.050	487.280
** DESCRSRC Unmitigated				
LOCATION VOL9	VOLUME	475138.898	3746168.247	486.030
** DESCRSRC Unmitigated				
LOCATION VOL10	VOLUME	475181.048	3746168.696	484.450
** DESCRSRC Unmitigated				
LOCATION VOL11	VOLUME	475003.116	3746122.340	489.820
** DESCRSRC Unmitigated				
LOCATION VOL12	VOLUME	475049.360	3746122.280	489.010
** DESCRSRC Unmitigated				
LOCATION VOL13	VOLUME	475095.692	3746123.295	487.480
** DESCRSRC Unmitigated				
LOCATION VOL14	VOLUME	475141.005	3746123.435	486.190
** DESCRSRC Unmitigated				
LOCATION VOL15	VOLUME	475181.710	3746123.321	484.830
** DESCRSRC Unmitigated				
LOCATION VOL16	VOLUME	475003.756	3746075.640	490.540

CO

** DESCRSRC Unmitigated					
LOCATION VOL17	VOLUME	475049.936	3746076.286	489.000	
** DESCRSRC Unmitigated					
LOCATION VOL18	VOLUME	475095.779	3746076.652	487.880	
** DESCRSRC Unmitigated					
LOCATION VOL19	VOLUME	475140.835	3746077.495	486.970	
** DESCRSRC Unmitigated					
LOCATION VOL20	VOLUME	475181.048	3746077.298	485.630	
** DESCRSRC Unmitigated					
LOCATION VOL21	VOLUME	475003.110	3746038.499	491.150	
** DESCRSRC Unmitigated					
LOCATION VOL22	VOLUME	475048.644	3746039.791	489.990	
** DESCRSRC Unmitigated					
LOCATION VOL23	VOLUME	475094.487	3746041.126	488.960	
** DESCRSRC Unmitigated					
LOCATION VOL24	VOLUME	475139.544	3746041.000	487.980	
** DESCRSRC Unmitigated					
LOCATION VOL25	VOLUME	475181.048	3746039.834	486.640	
** DESCRSRC Unmitigated					
LOCATION VOL1	VOLUME	475001.824	3746215.676	490.460	
** DESCRSRC Unmitigated					
LOCATION VOL2	VOLUME	475040.963	3746215.939	488.560	
** DESCRSRC Unmitigated					
LOCATION AREA1	AREA	474985.742	3746020.603	492.090	
** DESCRSRC Unmitigated					
LOCATION AREA2	AREA	474985.742	3746020.603	492.090	
** DESCRSRC Mitigated					
LOCATION VOL26	VOLUME	475086.651	3746216.310	486.780	
** DESCRSRC Mitigated					
LOCATION VOL27	VOLUME	475132.931	3746215.160	486.000	
** DESCRSRC Mitigated					
LOCATION VOL28	VOLUME	475179.451	3746215.040	484.310	
** DESCRSRC Mitigated					
LOCATION VOL29	VOLUME	475002.141	3746168.980	490.300	
** DESCRSRC Mitigated					
LOCATION VOL30	VOLUME	475047.351	3746168.330	488.810	
** DESCRSRC Mitigated					
LOCATION VOL31	VOLUME	475093.521	3746168.050	487.280	
** DESCRSRC Mitigated					
LOCATION VOL32	VOLUME	475138.901	3746168.250	486.030	
** DESCRSRC Mitigated					
LOCATION VOL33	VOLUME	475181.051	3746168.700	484.450	
** DESCRSRC Mitigated					
LOCATION VOL34	VOLUME	475003.121	3746122.340	489.820	
** DESCRSRC Mitigated					
LOCATION VOL35	VOLUME	475049.361	3746122.280	489.010	
** DESCRSRC Mitigated					
LOCATION VOL36	VOLUME	475095.691	3746123.290	487.480	
** DESCRSRC Mitigated					
LOCATION VOL37	VOLUME	475141.001	3746123.430	486.190	
** DESCRSRC Mitigated					
LOCATION VOL38	VOLUME	475181.711	3746123.320	484.830	
** DESCRSRC Mitigated					
LOCATION VOL39	VOLUME	475003.761	3746075.640	490.540	
** DESCRSRC Mitigated					
LOCATION VOL40	VOLUME	475049.941	3746076.290	489.000	
** DESCRSRC Mitigated					
LOCATION VOL41	VOLUME	475095.781	3746076.650	487.880	
** DESCRSRC Mitigated					
LOCATION VOL42	VOLUME	475140.831	3746077.490	486.970	
** DESCRSRC Mitigated					
LOCATION VOL43	VOLUME	475181.051	3746077.300	485.630	
** DESCRSRC Mitigated					
LOCATION VOL44	VOLUME	475003.111	3746038.500	491.150	
** DESCRSRC Mitigated					
LOCATION VOL45	VOLUME	475048.641	3746039.790	489.990	
** DESCRSRC Mitigated					

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LOCATION	VOL46	VOLUME	475094.491	3746041.130	488.960	
** DESCRSRC	Mitigated					
LOCATION	VOL47	VOLUME	475139.541	3746041.000	487.980	
** DESCRSRC	Mitigated					
LOCATION	VOL48	VOLUME	475181.051	3746039.830	486.640	
** DESCRSRC	Mitigated					
LOCATION	VOL49	VOLUME	475001.821	3746215.680	490.460	
** DESCRSRC	Mitigated					
LOCATION	VOL50	VOLUME	475040.961	3746215.940	488.560	
** DESCRSRC	Mitigated					
** Source Parameters **						
SRCPARAM	VOL3	0.0065954851	5.000	10.465	2.330	
SRCPARAM	VOL4	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL5	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL6	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL7	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL8	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL9	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL10	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL11	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL12	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL13	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL14	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL15	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL16	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL17	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL18	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL19	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL20	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL21	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL22	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL23	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL24	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL25	0.006595	5.000	10.465	2.330	
SRCPARAM	VOL1	0.006595	5.000	10.465	2.326	
SRCPARAM	VOL2	0.006595	5.000	10.465	2.326	
SRCPARAM	AREA1	6.2002E-06	0.000	210.987	210.987	0.000 1.000
SRCPARAM	AREA2	2.4181E-06	0.000	210.987	210.987	0.000 1.000
SRCPARAM	VOL26	0.0017595604	5.000	10.465	2.330	
SRCPARAM	VOL27	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL28	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL29	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL30	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL31	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL32	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL33	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL34	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL35	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL36	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL37	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL38	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL39	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL40	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL41	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL42	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL43	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL44	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL45	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL46	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL47	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL48	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL49	0.00176	5.000	10.465	2.330	
SRCPARAM	VOL50	0.00176	5.000	10.465	2.330	
URBANSRC	ALL					

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"
 ** Variable Emission Scenario: "Construction"

CO

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EMISFACT AREA1      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT AREA1      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT AREA1      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT AREA2      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT AREA2      HROFDY 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT AREA2      HROFDY 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT AREA2      HROFDY 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP Unmit      VOL3 VOL4 VOL5 VOL6 VOL7 VOL8 VOL9 VOL10 VOL11 VOL12
SRCGROUP Unmit      VOL13 VOL14 VOL15 VOL16 VOL17 VOL18 VOL19 VOL20 VOL21
SRCGROUP Unmit      VOL22 VOL23 VOL24 VOL25 VOL1 VOL2 AREA1
SRCGROUP Mit        VOL26 VOL27 VOL28 VOL29 VOL30 VOL31 VOL32 VOL33 VOL34
SRCGROUP Mit        VOL35 VOL36 VOL37 VOL38 VOL39 VOL40 VOL41 VOL42 VOL43
SRCGROUP Mit        VOL44 VOL45 VOL46 VOL47 VOL48 VOL49 VOL50 AREA2
SRCGROUP ALL

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SO FINISHED

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** AERMOD Receptor Pathway

**

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RE STARTING

INCLUDED PM25.rou

RE FINISHED

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** AERMOD Meteorology Pathway

**

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ME STARTING

SURFFILE "..\..\SRA24_Met Data\peri8.sfc"

PROFFILE "..\..\SRA24_Met Data\peri8.PFL"

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST PM25.AD\24H1GALL.PLT 31

PLOTFILE 24 Unmit 1ST PM25.AD\24H1G001.PLT 32

PLOTFILE 24 Mit 1ST PM25.AD\24H1G002.PLT 33

SUMMFILE PM25.sum

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

```

A Total of      0 Fatal Error Message(s)
A Total of      1 Warning Message(s)
A Total of      0 Informational Message(s)

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

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CO

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

ME W531 436 MEOpen: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.isc ***
08/05/16
*** AERMET - VERSION 14134 *** ***
11:37:20 ***

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 52 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 52 Source(s); 3 Source Group(s); and 64 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 50 VOLUME source(s)
and: 2 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**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)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

CO

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.6 MB of RAM.

**Detailed Error/Message File: PM25.err

**File for Summary of Results: PM25.sum

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.isc ***
08/05/16
*** AERMET - VERSION 14134 ***
11:37:20

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
VOL3	0	0.65955E-02	475086.6	3746216.3	486.8	5.00	10.47	2.33	YES	HROFDY
VOL4	0	0.65950E-02	475132.9	3746215.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL5	0	0.65950E-02	475179.4	3746215.0	484.3	5.00	10.47	2.33	YES	HROFDY
VOL6	0	0.65950E-02	475002.1	3746169.0	490.3	5.00	10.47	2.33	YES	HROFDY
VOL7	0	0.65950E-02	475047.4	3746168.3	488.8	5.00	10.47	2.33	YES	HROFDY
VOL8	0	0.65950E-02	475093.5	3746168.0	487.3	5.00	10.47	2.33	YES	HROFDY
VOL9	0	0.65950E-02	475138.9	3746168.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL10	0	0.65950E-02	475181.0	3746168.7	484.4	5.00	10.47	2.33	YES	HROFDY
VOL11	0	0.65950E-02	475003.1	3746122.3	489.8	5.00	10.47	2.33	YES	HROFDY
VOL12	0	0.65950E-02	475049.4	3746122.3	489.0	5.00	10.47	2.33	YES	HROFDY
VOL13	0	0.65950E-02	475095.7	3746123.3	487.5	5.00	10.47	2.33	YES	HROFDY
VOL14	0	0.65950E-02	475141.0	3746123.4	486.2	5.00	10.47	2.33	YES	HROFDY
VOL15	0	0.65950E-02	475181.7	3746123.3	484.8	5.00	10.47	2.33	YES	HROFDY
VOL16	0	0.65950E-02	475003.8	3746075.6	490.5	5.00	10.47	2.33	YES	HROFDY
VOL17	0	0.65950E-02	475049.9	3746076.3	489.0	5.00	10.47	2.33	YES	HROFDY
VOL18	0	0.65950E-02	475095.8	3746076.7	487.9	5.00	10.47	2.33	YES	HROFDY
VOL19	0	0.65950E-02	475140.8	3746077.5	487.0	5.00	10.47	2.33	YES	HROFDY
VOL20	0	0.65950E-02	475181.0	3746077.3	485.6	5.00	10.47	2.33	YES	HROFDY
VOL21	0	0.65950E-02	475003.1	3746038.5	491.2	5.00	10.47	2.33	YES	HROFDY
VOL22	0	0.65950E-02	475048.6	3746039.8	490.0	5.00	10.47	2.33	YES	HROFDY
VOL23	0	0.65950E-02	475094.5	3746041.1	489.0	5.00	10.47	2.33	YES	HROFDY
VOL24	0	0.65950E-02	475139.5	3746041.0	488.0	5.00	10.47	2.33	YES	HROFDY
VOL25	0	0.65950E-02	475181.0	3746039.8	486.6	5.00	10.47	2.33	YES	HROFDY
VOL1	0	0.65950E-02	475001.8	3746215.7	490.5	5.00	10.47	2.33	YES	HROFDY
VOL2	0	0.65950E-02	475041.0	3746215.9	488.6	5.00	10.47	2.33	YES	HROFDY
VOL26	0	0.17596E-02	475086.7	3746216.3	486.8	5.00	10.47	2.33	YES	HROFDY
VOL27	0	0.17600E-02	475132.9	3746215.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL28	0	0.17600E-02	475179.5	3746215.0	484.3	5.00	10.47	2.33	YES	HROFDY
VOL29	0	0.17600E-02	475002.1	3746169.0	490.3	5.00	10.47	2.33	YES	HROFDY
VOL30	0	0.17600E-02	475047.4	3746168.3	488.8	5.00	10.47	2.33	YES	HROFDY
VOL31	0	0.17600E-02	475093.5	3746168.0	487.3	5.00	10.47	2.33	YES	HROFDY
VOL32	0	0.17600E-02	475138.9	3746168.2	486.0	5.00	10.47	2.33	YES	HROFDY
VOL33	0	0.17600E-02	475181.1	3746168.7	484.4	5.00	10.47	2.33	YES	HROFDY

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VOL34	0	0.17600E-02	475003.1	3746122.3	489.8	5.00	10.47	2.33	YES	HROFDY	
VOL35	0	0.17600E-02	475049.4	3746122.3	489.0	5.00	10.47	2.33	YES	HROFDY	
VOL36	0	0.17600E-02	475095.7	3746123.3	487.5	5.00	10.47	2.33	YES	HROFDY	
VOL37	0	0.17600E-02	475141.0	3746123.4	486.2	5.00	10.47	2.33	YES	HROFDY	
VOL38	0	0.17600E-02	475181.7	3746123.3	484.8	5.00	10.47	2.33	YES	HROFDY	
VOL39	0	0.17600E-02	475003.8	3746075.6	490.5	5.00	10.47	2.33	YES	HROFDY	
VOL40	0	0.17600E-02	475049.9	3746076.3	489.0	5.00	10.47	2.33	YES	HROFDY	

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** 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)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
VOL41	0	0.17600E-02	475095.8	3746076.6	487.9	5.00	10.47	2.33	YES	HROFDY
VOL42	0	0.17600E-02	475140.8	3746077.5	487.0	5.00	10.47	2.33	YES	HROFDY
VOL43	0	0.17600E-02	475181.1	3746077.3	485.6	5.00	10.47	2.33	YES	HROFDY
VOL44	0	0.17600E-02	475003.1	3746038.5	491.2	5.00	10.47	2.33	YES	HROFDY
VOL45	0	0.17600E-02	475048.6	3746039.8	490.0	5.00	10.47	2.33	YES	HROFDY
VOL46	0	0.17600E-02	475094.5	3746041.1	489.0	5.00	10.47	2.33	YES	HROFDY
VOL47	0	0.17600E-02	475139.5	3746041.0	488.0	5.00	10.47	2.33	YES	HROFDY
VOL48	0	0.17600E-02	475181.1	3746039.8	486.6	5.00	10.47	2.33	YES	HROFDY
VOL49	0	0.17600E-02	475001.8	3746215.7	490.5	5.00	10.47	2.33	YES	HROFDY
VOL50	0	0.17600E-02	475041.0	3746215.9	488.6	5.00	10.47	2.33	YES	HROFDY

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** AREA SOURCE DATA ***

URBAN SOURCE ID	EMISSION RATE SCALAR VARY BY	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC) /METER**2	COORD (SW CORNER) X (METERS) Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)
AREA1		0	0.62002E-05	474985.7 3746020.6	492.1	0.00	210.99	210.99	0.00	1.00
AREA2		0	0.24181E-05	474985.7 3746020.6	492.1	0.00	210.99	210.99	0.00	1.00

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

CO
 *** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs													
UNMIT VOL10	VOL3	,	VOL4	,	VOL5	,	VOL6	,	VOL7	,	VOL8	,	VOL9	,
VOL18	VOL11	,	VOL12	,	VOL13	,	VOL14	,	VOL15	,	VOL16	,	VOL17	,
	VOL19	,	VOL20	,	VOL21	,	VOL22	,	VOL23	,	VOL24	,	VOL25	, VOL1
	VOL2	,	AREA1	,										
MIT VOL32	AREA2	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,	VOL31	,
VOL40	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,	VOL39	,
VOL48	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,	VOL47	,
	VOL49	,	VOL50	,										
ALL VOL10	VOL3	,	VOL4	,	VOL5	,	VOL6	,	VOL7	,	VOL8	,	VOL9	,
VOL18	VOL11	,	VOL12	,	VOL13	,	VOL14	,	VOL15	,	VOL16	,	VOL17	,
	VOL19	,	VOL20	,	VOL21	,	VOL22	,	VOL23	,	VOL24	,	VOL25	, VOL1
VOL30	VOL2	,	AREA1	,	AREA2	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,
VOL38	VOL31	,	VOL32	,	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,
VOL46	VOL39	,	VOL40	,	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,
	VOL47	,	VOL48	,	VOL49	,	VOL50	,						
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs												
VOL10	2100516.	VOL3	,	VOL4	,	VOL5	,	VOL6	,	VOL7	,	VOL8	,	VOL9
		VOL11	,	VOL12	,	VOL13	,	VOL14	,	VOL15	,	VOL16	,	VOL17

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VOL18 ,
 VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 , VOL1
 ,
 VOL2 , AREA1 , AREA2 , VOL26 , VOL27 , VOL28 , VOL29 ,
 VOL30 ,
 VOL31 , VOL32 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 ,
 VOL38 ,
 VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 ,
 VOL46 ,
 VOL47 , VOL48 , VOL49 , VOL50 ,

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 **MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL3 ; 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 = VOL4 ; 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 = VOL5 ; 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 = VOL6 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .00000E+00

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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
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL7		; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

SOURCE ID = VOL8		; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL9		; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

SOURCE ID = VOL10		; 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
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.00000E+00	17	.00000E+00
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00										24	

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SOURCE ID = VOL11 ; 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 = VOL12 ; 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

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SOURCE ID = VOL13 ; 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 = VOL14 ; 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 = VOL15 ; 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

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.00000E+00

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :

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

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.00000E+00	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	

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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 = VOL21 ; 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 = VOL22 ; 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										

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR
HOUR	HOUR	HOUR	HOUR	HOUR	HOUR	HOUR	HOUR	HOUR	HOUR	HOUR

SOURCE ID = VOL23 ; 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 = VOL24 ; 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 = VOL25 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
---	------------	---	------------	---	------------	---	------------	---	------------	---

CO

```

.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 = VOL1      ; 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 = VOL2      ; 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

```

```

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**MODELOPTs:  RegDFault CONC      ELEV      FLGPOL      URBAN

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

```

      HOUR      SCALAR      HOUR      SCALAR      HOUR      SCALAR      HOUR      SCALAR      HOUR      SCALAR      HOUR
SCALAR
-----

```

```

SOURCE ID = AREA1      ; SOURCE TYPE = AREA :
  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 = AREA2      ; SOURCE TYPE = AREA :
  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

```

CO

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :

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

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 **MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :

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

CO
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = VOL31 ; 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 = VOL32 ; 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 = VOL33 ; 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

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = VOL34 ; 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 = VOL35 ; 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

CO

.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 = VOL36 ; 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 = VOL37 ; 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 = VOL38 ; 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										

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

SOURCE ID = VOL39 ; 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 = VOL40 ; SOURCE TYPE = VOLUME :

CO

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 = VOL41 ; 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 = VOL42 ; 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 = VOL43 ; 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												

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 **MODELOPTs: RegDFault CONC ELEV FLGPOL URBAN

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

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											

SOURCE ID = VOL44 ; 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												

CO

SOURCE ID = VOL45 ; 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 = VOL46 ; 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 = VOL47 ; 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 = VOL48 ; 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

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SOURCE ID = VOL49 ; 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

CO

.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = VOL50 ; 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

♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

(474747.9, 3745949.7, 510.2, 517.0, 2.0); (474784.6, 3745949.7, 504.4, 521.0,
2.0);
(474821.2, 3745949.7, 500.6, 523.0, 2.0); (474857.9, 3745949.7, 499.4, 517.0,
2.0);
(474894.6, 3745949.7, 498.2, 498.2, 2.0); (474931.2, 3745949.7, 496.0, 496.0,
2.0);
(474967.9, 3745949.7, 494.7, 494.7, 2.0); (475004.6, 3745949.7, 493.0, 493.0,
2.0);
(475041.3, 3745949.7, 489.9, 489.9, 2.0); (475077.9, 3745949.7, 487.2, 487.2,
2.0);
(475114.6, 3745949.7, 486.9, 486.9, 2.0); (475151.3, 3745949.7, 486.4, 486.4,
2.0);
(475187.9, 3745949.7, 486.4, 486.4, 2.0); (475224.6, 3745949.7, 483.6, 483.6,
2.0);
(475261.3, 3745949.7, 482.0, 482.0, 2.0); (475298.0, 3745949.7, 480.7, 480.7,
2.0);
(475334.6, 3745949.7, 479.5, 479.5, 2.0); (475371.3, 3745949.7, 478.3, 478.3,
2.0);
(475408.0, 3745949.7, 478.0, 478.0, 2.0); (475444.6, 3745949.7, 476.0, 476.0,
2.0);
(475481.3, 3745949.7, 475.6, 475.6, 2.0); (474747.9, 3745959.5, 510.2, 517.0,
2.0);
(474784.6, 3745959.5, 504.1, 523.0, 2.0); (474821.2, 3745959.5, 500.3, 523.0,
2.0);
(474857.9, 3745959.5, 498.9, 519.0, 2.0); (474894.6, 3745959.5, 497.5, 497.5,
2.0);
(474931.2, 3745959.5, 495.6, 495.6, 2.0); (474967.9, 3745959.5, 494.4, 494.4,
2.0);
(475004.6, 3745959.5, 492.7, 492.7, 2.0); (475041.3, 3745959.5, 489.8, 489.8,
2.0);
(475077.9, 3745959.5, 487.4, 487.4, 2.0); (475114.6, 3745959.5, 486.9, 486.9,
2.0);
(475151.3, 3745959.5, 486.9, 486.9, 2.0); (475187.9, 3745959.5, 486.5, 486.5,
2.0);
(475224.6, 3745959.5, 483.8, 483.8, 2.0); (475261.3, 3745959.5, 482.3, 482.3,
2.0);
(475298.0, 3745959.5, 481.1, 481.1, 2.0); (475334.6, 3745959.5, 479.8, 479.8,
2.0);
(475371.3, 3745959.5, 478.6, 478.6, 2.0); (475408.0, 3745959.5, 478.0, 478.0,
2.0);

(475444.6, 3745959.5,	476.3,	476.3,	CO	(475481.3, 3745959.5,	475.6,	475.6,
2.0);			2.0);			
(475854.1, 3746316.7,	466.2,	466.2,	2.0);	(475863.3, 3746274.2,	466.2,	466.2,
2.0);						
(474664.9, 3746299.9,	509.9,	523.0,	0.0);	(474662.0, 3746153.1,	507.5,	507.5,
0.0);						
(474663.5, 3746228.0,	510.2,	517.0,	0.0);	(474771.4, 3745956.1,	506.3,	521.0,
0.0);						
(474870.6, 3745958.9,	498.4,	517.0,	0.0);	(474997.2, 3745954.6,	493.4,	493.4,
0.0);						
(475493.6, 3746291.3,	474.1,	474.1,	0.0);	(475487.8, 3746194.9,	475.4,	475.4,
0.0);						
(475489.2, 3746118.6,	475.4,	475.4,	0.0);	(475487.8, 3746026.5,	475.2,	475.2,
0.0);						
(475487.8, 3745983.4,	475.4,	475.4,	0.0);	(475983.6, 3745850.6,	464.9,	464.9,
0.0);						
(475666.2, 3746386.1,	469.2,	469.2,	0.0);	(475458.0, 3746392.7,	473.6,	473.6,
0.0);						
(475552.8, 3746390.5,	472.1,	472.1,	0.0);	(475923.0, 3746380.6,	464.9,	464.9,
0.0);						
(475680.6, 3746815.8,	467.0,	467.0,	0.0);	(475845.8, 3746556.8,	465.5,	465.5,
0.0);						
(475854.1, 3746316.7,	466.2,	466.2,	0.0);	(475863.3, 3746274.2,	466.2,	466.2,
0.0);						

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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1

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,
 ♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.isc ***
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 **MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

CO

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

Surface file: ..\..\SRA24_Met Data\peri8.sfc
14134
Profile file: ..\..\SRA24_Met Data\peri8.PFL
Surface format: FREE

Met Version:

Profile format: FREE

Surface station no.: 3190
Name: UNKNOWN
Year: 2007

Upper air station no.: 3190
Name: UNKNOWN
Year: 2007

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	133.	9.1	279.9	5.5		
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	192.	9.1	279.2	5.5		
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	160.	9.1	277.5	5.5		
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	75.	9.1	277.5	5.5		
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	1.00	0.50	282.	9.1	278.8	5.5		
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	1.00	0.50	96.	9.1	277.5	5.5		
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	1.00	0.50	129.	9.1	278.1	5.5		
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	0.54	0.50	99.	9.1	277.5	5.5		
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	0.33	0.50	133.	9.1	278.1	5.5		
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	0.26	0.50	174.	9.1	281.4	5.5		
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	0.23	0.50	95.	9.1	284.9	5.5		
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	0.22	1.30	94.	9.1	288.1	5.5		
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	0.22	2.20	24.	9.1	291.4	5.5		
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	0.23	3.60	13.	9.1	292.5	5.5		
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	0.27	5.80	318.	9.1	292.0	5.5		
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	0.36	5.80	329.	9.1	291.4	5.5		
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00	0.64	4.50	333.	9.1	289.9	5.5		
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00	1.00	3.60	305.	9.1	288.8	5.5		
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00	1.00	4.50	276.	9.1	287.5	5.5		
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00	1.00	3.60	323.	9.1	287.5	5.5		
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00	1.00	4.00	322.	9.1	288.1	5.5		
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00	1.00	4.50	30.	9.1	288.1	5.5		
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00	1.00	4.00	343.	9.1	287.0	5.5		
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00	1.00	1.80	155.	9.1	283.8	5.5		

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: UNMIT

*** INCLUDING SOURCE(S): VOL3 , VOL4 , VOL5 , VOL6 ,

VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,

VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,

VOL23 , VOL24 , VOL25 , VOL1 , VOL2 , AREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF PM2.5 IN MICROGRAMS/M**3				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	3.79177	(09012824)	474784.57	3745949.70	4.19030
(09012824)						
474821.24	3745949.70	4.82942	(11011024)	474857.91	3745949.70	5.37998
(11011024)						
474894.58	3745949.70	6.09603	(08022324)	474931.25	3745949.70	7.67383
(10011024)						
474967.92	3745949.70	8.36915	(10011024)	475004.59	3745949.70	9.74041
(08010524)						
475041.26	3745949.70	10.34959m	(10120724)	475077.93	3745949.70	10.63253m
(10120724)						
475114.60	3745949.70	10.07028m	(10120724)	475151.27	3745949.70	9.71849
(11011224)						
475187.94	3745949.70	8.71532	(07012124)	475224.61	3745949.70	7.09890b
(10121624)						
475261.28	3745949.70	6.17219	(10121124)	475297.95	3745949.70	5.77396
(10121124)						
475334.62	3745949.70	5.06289	(10121124)	475371.29	3745949.70	4.33425m
(08010224)						
475407.96	3745949.70	4.27013m	(08010224)	475444.63	3745949.70	4.07377m
(08010224)						
475481.30	3745949.70	3.86295m	(08010224)	474747.90	3745959.54	3.82645
(09012824)						
474784.57	3745959.54	4.29909	(09012824)	474821.24	3745959.54	4.84271
(11011024)						
474857.91	3745959.54	5.54507	(11011024)	474894.58	3745959.54	6.25964
(08022324)						
474931.25	3745959.54	7.92492	(10011024)	474967.92	3745959.54	9.10438
(10011024)						
475004.59	3745959.54	10.61085	(08010524)	475041.26	3745959.54	11.44421m
(10120724)						
475077.93	3745959.54	11.68315m	(10120724)	475114.60	3745959.54	11.05512m
(10120724)						
475151.27	3745959.54	10.63454	(11011224)	475187.94	3745959.54	9.45340

CO

(07012124)							
	475224.61	3745959.54	7.67216b	(10121624)	475261.28	3745959.54	6.73852
(10121124)							
	475297.95	3745959.54	6.02250	(10121124)	475334.62	3745959.54	5.09461
(10121124)							
	475371.29	3745959.54	4.70527m	(08010224)	475407.96	3745959.54	4.48368m
(08010224)							
	475444.63	3745959.54	4.19273m	(08010224)	475481.30	3745959.54	3.91574m
(08010224)							
	475854.15	3746316.72	1.48322	(09020124)	475863.29	3746274.18	1.51521m
(08122124)							
	474664.93	3746299.89	3.39862m	(10020924)	474662.05	3746153.15	3.35700
(09022224)							
	474663.49	3746227.96	3.19373	(07121924)	474771.38	3745956.06	4.14660
(09012824)							
	474870.65	3745958.94	5.72679	(11011024)	474997.25	3745954.62	9.64371
(08010524)							
	475493.57	3746291.26	3.18407	(08010624)	475487.82	3746194.87	3.00122m
(08122124)							
	475489.25	3746118.62	3.16931	(09121324)	475487.82	3746026.55	3.45059m
(08010224)							
	475487.82	3745983.39	3.82137m	(08010224)	475983.57	3745850.62	1.51243m
(08010224)							
	475666.25	3746386.09	2.13239	(08010624)	475458.03	3746392.70	3.13367
(09012324)							
	475552.78	3746390.49	2.77432	(08010624)	475922.95	3746380.58	1.46422
(09020124)							
	475680.57	3746815.75	1.40514	(09020324)	475845.83	3746556.85	1.57444
(08010624)							
	475854.15	3746316.72	1.47510	(09020124)	475863.29	3746274.18	1.50453m
(08122124)							

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***MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

		*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: MIT							
		INCLUDING SOURCE(S):							
		AREA2	VOL26	VOL27	VOL28				
VOL29	,								
		VOL30	VOL31	VOL32	VOL33	VOL34	VOL35	VOL36	
VOL37	,								
		VOL38	VOL39	VOL40	VOL41	VOL42	VOL43	VOL44	
VOL45	,								
		VOL46	VOL47	VOL48	VOL49	VOL50			

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF PM_2.5 IN MICROGRAMS/M**3						**
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC		
(YYMMDDHH)								
474747.90	3745949.70	1.41087	(09012824)	474784.57	3745949.70	1.56224		
(09012824)								
474821.24	3745949.70	1.73066	(11011024)	474857.91	3745949.70	1.98445		
(08022324)								
474894.58	3745949.70	2.30298	(08022324)	474931.25	3745949.70	2.87931		
(10011024)								
474967.92	3745949.70	3.13122	(10011024)	475004.59	3745949.70	3.57045		
(08010524)								
475041.26	3745949.70	3.80647	(08010524)	475077.93	3745949.70	3.90370m		
(10120724)								

CO

(11011224)	475114.60	3745949.70	3.69952m	(10120724)	475151.27	3745949.70	3.57085
(10121624)	475187.94	3745949.70	3.22971	(07012124)	475224.61	3745949.70	2.62718b
(10121124)	475261.28	3745949.70	2.30792	(11122424)	475297.95	3745949.70	2.16696
(08010224)	475334.62	3745949.70	1.91212	(10121124)	475371.29	3745949.70	1.64251m
(08010224)	475407.96	3745949.70	1.62542m	(08010224)	475444.63	3745949.70	1.55505m
(09012824)	475481.30	3745949.70	1.47753m	(08010224)	474747.90	3745959.54	1.42355
(09012824)	474784.57	3745959.54	1.60327	(09012824)	474821.24	3745959.54	1.73947
(08022324)	474857.91	3745959.54	1.98798	(11011024)	474894.58	3745959.54	2.36696
(10011024)	474931.25	3745959.54	2.97088	(10011024)	474967.92	3745959.54	3.40525
(08010524)	475004.59	3745959.54	3.90219	(08010524)	475041.26	3745959.54	4.22487
(10120724)	475077.93	3745959.54	4.28050m	(10120724)	475114.60	3745959.54	4.05131m
(07012124)	475151.27	3745959.54	3.90239	(11011224)	475187.94	3745959.54	3.49780
(10121124)	475224.61	3745959.54	2.83727b	(10121624)	475261.28	3745959.54	2.50569
(10121124)	475297.95	3745959.54	2.26205	(10121124)	475334.62	3745959.54	1.92385
(08010224)	475371.29	3745959.54	1.78567m	(08010224)	475407.96	3745959.54	1.70770m
(08010224)	475444.63	3745959.54	1.60073m	(08010224)	475481.30	3745959.54	1.49763m
(08122124)	475854.15	3746316.72	0.57107	(09020124)	475863.29	3746274.18	0.58377m
(09022224)	474664.93	3746299.89	1.25734	(07121924)	474662.05	3746153.15	1.25199
(09012824)	474663.49	3746227.96	1.19350	(07121924)	474771.38	3745956.06	1.54708
(08010524)	474870.65	3745958.94	2.10286	(08022324)	474997.25	3745954.62	3.57486
(08122124)	475493.57	3746291.26	1.20235	(08010624)	475487.82	3746194.87	1.14803m
(08010224)	475489.25	3746118.62	1.20232	(09121324)	475487.82	3746026.55	1.31445m
(08010224)	475487.82	3745983.39	1.46069m	(08010224)	475983.57	3745850.62	0.58208m
(09012324)	475666.25	3746386.09	0.81246	(08010624)	475458.03	3746392.70	1.19423
(09020124)	475552.78	3746390.49	1.05679	(08010624)	475922.95	3746380.58	0.56476
(08010624)	475680.57	3746815.75	0.54222	(09020324)	475845.83	3746556.85	0.60416
(08122124)	475854.15	3746316.72	0.56794	(09020124)	475863.29	3746274.18	0.57965m

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.isc ***
08/05/16
*** AERMET - VERSION 14134 *** ***
11:37:20

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN
*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): VOL3 , VOL4 , VOL5 , VOL6 ,
VOL7 , VOL8 , VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,

CO

VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
 VOL23 , VOL24 , VOL25 , VOL1 , VOL2 , AREA1 , AREA2 , VOL26 ,
 . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF PM _{2.5} IN MICROGRAMS/M ³				**
X-COORD (M) (YYMMDDHH)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC
474747.90	3745949.70	5.20265	(09012824)	474784.57	3745949.70	5.75254
(09012824)						
474821.24	3745949.70	6.56008	(11011024)	474857.91	3745949.70	7.30736
(11011024)						
474894.58	3745949.70	8.39902	(08022324)	474931.25	3745949.70	10.55314
(10011024)						
474967.92	3745949.70	11.50038	(10011024)	475004.59	3745949.70	13.31086
(08010524)						
475041.26	3745949.70	14.14796m	(10120724)	475077.93	3745949.70	14.53623m
(10120724)						
475114.60	3745949.70	13.76979m	(10120724)	475151.27	3745949.70	13.28934
(11011224)						
475187.94	3745949.70	11.94504	(07012124)	475224.61	3745949.70	9.72608b
(10121624)						
475261.28	3745949.70	8.46212	(10121124)	475297.95	3745949.70	7.94092
(10121124)						
475334.62	3745949.70	6.97501	(10121124)	475371.29	3745949.70	5.97676m
(08010224)						
475407.96	3745949.70	5.89555m	(08010224)	475444.63	3745949.70	5.62882m
(08010224)						
475481.30	3745949.70	5.34049m	(08010224)	474747.90	3745959.54	5.25000
(09012824)						
474784.57	3745959.54	5.90236	(09012824)	474821.24	3745959.54	6.57867
(11011024)						
474857.91	3745959.54	7.53305	(11011024)	474894.58	3745959.54	8.62660
(08022324)						
474931.25	3745959.54	10.89580	(10011024)	474967.92	3745959.54	12.50963
(10011024)						
475004.59	3745959.54	14.51304	(08010524)	475041.26	3745959.54	15.65607
(08010524)						
475077.93	3745959.54	15.96365m	(10120724)	475114.60	3745959.54	15.10642m
(10120724)						
475151.27	3745959.54	14.53693	(11011224)	475187.94	3745959.54	12.95120
(07012124)						
475224.61	3745959.54	10.50943b	(10121624)	475261.28	3745959.54	9.24421
(10121124)						
475297.95	3745959.54	8.28456	(10121124)	475334.62	3745959.54	7.01846
(10121124)						
475371.29	3745959.54	6.49095m	(08010224)	475407.96	3745959.54	6.19138m
(08010224)						
475444.63	3745959.54	5.79346m	(08010224)	475481.30	3745959.54	5.41337m
(08010224)						
475854.15	3746316.72	2.05429	(09020124)	475863.29	3746274.18	2.09898m
(08122124)						
474664.93	3746299.89	4.61531m	(10020924)	474662.05	3746153.15	4.60899
(09022224)						
474663.49	3746227.96	4.38723	(07121924)	474771.38	3745956.06	5.69368
(09012824)						
474870.65	3745958.94	7.78485	(11011024)	474997.25	3745954.62	13.21857
(08010524)						
475493.57	3746291.26	4.38642	(08010624)	475487.82	3746194.87	4.14925m
(08122124)						
475489.25	3746118.62	4.37163	(09121324)	475487.82	3746026.55	4.76505m

CO

(08010224)
 475487.82 3745983.39 5.28206m (08010224) 475983.57 3745850.62 2.09451m
 (08010224)
 475666.25 3746386.09 2.94485 (08010624) 475458.03 3746392.70 4.32790
 (09012324)
 475552.78 3746390.49 3.83111 (08010624) 475922.95 3746380.58 2.02898
 (09020124)
 475680.57 3746815.75 1.94736 (09020324) 475845.83 3746556.85 2.17860
 (08010624)
 475854.15 3746316.72 2.04304 (09020124) 475863.29 3746274.18 2.08419m
 (08122124)

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.isc ***
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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

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

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	NETWORK	DATE	AVERAGE CONC	RECEPTOR
OF TYPE	GRID-ID	(YYMMDDHH)	(YMMDDHH)	(XR, YR, ZELEV, ZHILL, ZFLAG)
UNMIT 2.00)	HIGH DC	1ST HIGH VALUE IS	11.68315m ON 10120724: AT (	475077.93, 3745959.54, 487.43, 487.43,
MIT 2.00)	HIGH DC	1ST HIGH VALUE IS	4.28050m ON 10120724: AT (	475077.93, 3745959.54, 487.43, 487.43,
ALL 2.00)	HIGH DC	1ST HIGH VALUE IS	15.96365m ON 10120724: AT (	475077.93, 3745959.54, 487.43, 487.43,

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Construction LST\PM25\PM25.isc ***
 08/05/16
 *** AERMET - VERSION 14134 *** ***
 11:37:20

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**MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
 A Total of 1 Warning Message(s)
 A Total of 1895 Informational Message(s)
 A Total of 43824 Hours Were Processed
 A Total of 90 Calm Hours Identified
 A Total of 1805 Missing Hours Identified (4.12 Percent)

CO

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

***** WARNING MESSAGES *****
ME W531 436 MEOpen: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

*** AERMOD Finishes Successfully ***

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	41.212
MOLECULAR WEIGHT	46.0055
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.021915893

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	7.72926
MOLECULAR WEIGHT	46.0055
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.004110299

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	17.8287
MOLECULAR WEIGHT	28.01
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.015572265

How to use:
Column A requests a value. Enter that value in column B.
Be sure to enter all four requested values.
The result appears in cell B20.

CONVERSION OF MICROGRAMS PER CUBIC METER TO PPM

<u>MICROGRAMS</u> PER CUBIC METER CONCENTRATION	12.19352
MOLECULAR WEIGHT	28.01
TEMPERATURE IN DEG CELSIUS	25
ATMOSPHERIC PRESSURE IN mmHg (use 760 if unsure)	760
CONCENTRATION IN PPM	0.010650285

EMFAC2014 (v1.0.7) Emission Rates

Region Type: Air District

Region: South Coast AQMD

Calendar Year: 2017

Season: Summer

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW

Region	CalYr	VehClass	MdYr	Speed	Fuel	VMT	CO_RUNEX	NOx_RUNEX	PM10_RUNEX	PM2_5_RUNEX
South Coa:	2017	HHDT	Aggregate		5 DSL	62973.72	5.758024	20.017	0.173449	0.165944
South Coa:	2017	LDA	Aggregate		5 GAS	428940.6	1.91235	0.15611	0.01135	0.01047
South Coa:	2017	LHDT1	Aggregate		5 DSL	3703.043	3.95646	1.89271	0.06029	0.05748
South Coa:	2017	MHDT	Aggregate		5 DSL	9215.316	4.03837	12.0047	0.32115	0.30723

AVERAGE EMISSION FACTOR (CO)
SCAQMD 2017

Speed	LDA
0	9.56173
5	1.91235

Emission Rates - CO

Passenger Car Emission Rates							
Source	Trips Per Day	VMT ^a (miles/day)	PC Emission Rate ^b (grams/mile)	PC Rate ^b (grams/idle-hour)	PC Emissions ^c (grams/day)	PC Emissions (lbs/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building D	183			9.5617	436.85	0.96	5.056E-03
On-Site Idling - Building E	145			9.5617	345.42	0.76	3.998E-03

AVERAGE EMISSION FACTOR (NO2)
SCAQMD 2017

Speed	LDA
0	0.78055
5	0.15611

Emission Rates - NO2

Passenger Car Emission Rates							
Source	Trips Per Day	VMT ^a (miles/day)	PC Emission Rate ^b (grams/mile)	PC Rate ^b (grams/idle-hour)	PC Emissions ^c (grams/day)	PC Emissions (lbs/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building D	183			0.7806	35.66	0.08	4.127E-04
On-Site Idling - Building E	145			0.7806	28.20	0.06	3.264E-04

AVERAGE EMISSION FACTOR (PM 10)
SCAQMD 2017

Speed	LDA
0	0.05677
5	0.01135

Emission Rates - PM10

Passenger Car Emission Rates							
Source	Trips Per Day	VMT ^a (miles/day)	PC Emission Rate ^b (grams/mile)	PC Rate ^b (grams/idle-hour)	PC Emissions ^c (grams/day)	PC Emissions (lbs/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building D	183			0.0568	2.59	0.01	3.002E-05
On-Site Idling - Building E	145			0.0568	2.05	0.00	2.374E-05

AVERAGE EMISSION FACTOR (PM 10)
SCAQMD 2017

Speed	LDA
0	0.05234
5	0.01047



Emission Rates - PM2.5

Passenger Car Emission Rates							
Source	Trips Per Day	VMT ^a (miles/day)	PC Emission Rate ^b (grams/mile)	PC Rate ^b (grams/idle-hour)	PC Emissions ^c (grams/day)	PC Emissions (lbs/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building D	183			0.0523	2.39	0.01	2.768E-05
On-Site Idling - Building E	145			0.0523	1.89	0.00	2.188E-05

AVERAGE EMISSION FACTOR (CO)
SCAQMD 2017

Speed	LHD1	MHD	HHD
0	77.783	24.2293	5.845407051
5	3.95646	4.03837	5.758024149

Speed	Weighted Average Emissions
0	24.33987
5	5.05745

Emission Rates - CO

Truck Emission Rates							
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Daily Truck Emissions (lbs/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building D (West Side)	113			24.9399	701.43	1.55	8.118E-03
On-Site Idling - Building D (East Side)	113			24.9399	701.43	1.55	8.118E-03
On-Site Travel - Building D (West Side)	225	33.47	5.0574		169.27	0.37	1.959E-03
On-Site Travel - Building D (East Side)	225	33.47	5.0574		169.27	0.37	1.959E-03

AVERAGE EMISSION FACTOR (NO2)
SCAQMD 2017

Speed	LHD1	MHD	HHD
0	38.2507	76.7986	42.09933688
5	1.89271	12.0047	20.01699874

Speed	Weighted Average Emissions
0	47.37338
5	14.60924

Emission Rates - NO2

Truck Emission Rates							
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Daily Truck Emissions (lbs/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building D (West Side)	113			47.3794	1332.55	2.94	1.542E-02
On-Site Idling - Building D (East Side)	113			47.3794	1332.55	2.94	1.542E-02
On-Site Travel - Building D (West Side)	225	33.47	14.6092		488.97	1.08	5.659E-03
On-Site Travel - Building D (East Side)	225	33.47	14.6092		488.97	1.08	5.659E-03

AVERAGE EMISSION FACTOR (PM 10)
SCAQMD 2017

Speed	LHD1	MHD	HHD
0	0.40564	0.39802	0.107222672
5	0.06029	0.32115	0.173444881

Speed	Weighted Average Emissions
0	0.22432
5	0.17460

Emission Rates - PM10

Truck Emission Rates							
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Daily Truck Emissions (lbs/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building D (West Side)	113			0.2243	6.31	0.01	7.302E-05
On-Site Idling - Building D (East Side)	113			0.2243	6.31	0.01	7.302E-05
On-Site Travel - Building D (West Side)	225	33.47	0.1746		5.84	0.01	6.764E-05
On-Site Travel - Building D (East Side)	225	33.47	0.1746		5.84	0.01	6.764E-05

AVERAGE EMISSION FACTOR (PM 2.5)
SCAQMD 2017

Speed	LHD1	MHD	HHD
0	0.3881	0.3808	0.102584266
5	0.05748	0.30723	0.165944185

Speed	Weighted Average Emissions
0	0.21462
5	0.16700

Emission Rates - PM2.5

Truck Emission Rates							
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Daily Truck Emissions (lbs/day)	Modeled Emission Rates (g/second)
On-Site Idling - Building D (West Side)	113			0.2146	6.04	0.01	6.986E-05
On-Site Idling - Building D (East Side)	113			0.2146	6.04	0.01	6.986E-05
On-Site Travel - Building D (West Side)	225	33.47	0.1670		5.59	0.01	6.469E-05
On-Site Travel - Building D (East Side)	225	33.47	0.1670		5.59	0.01	6.469E-05

CO

**

**

** AERMOD Input Produced by:

** AERMOD View Ver. 9.0.0

** Lakes Environmental Software Inc.

** Date: 1/28/2016

** File: C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\CO\CO.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\CO\CO.isc

MODELOPT DFAULT CONC

AVERTIME 1 8

URBANOPT 2100516

POLLUTID CO

RUNORNOT RUN

ERRORFIL CO.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

**

** -----
** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC Idling Building E (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.006423

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 474824.850, 3746236.554, 497.36, 4.00, 3.95

** 474820.373, 3745997.196, 500.21, 4.00, 3.95

CO

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** -----
LOCATION L0006155      VOLUME  474824.771 3746232.304 496.81
LOCATION L0006156      VOLUME  474824.612 3746223.806 496.96
LOCATION L0006157      VOLUME  474824.453 3746215.307 497.11
LOCATION L0006158      VOLUME  474824.294 3746206.809 497.26
LOCATION L0006159      VOLUME  474824.135 3746198.310 497.40
LOCATION L0006160      VOLUME  474823.976 3746189.812 497.55
LOCATION L0006161      VOLUME  474823.817 3746181.313 498.12
LOCATION L0006162      VOLUME  474823.658 3746172.815 498.69
LOCATION L0006163      VOLUME  474823.499 3746164.316 499.26
LOCATION L0006164      VOLUME  474823.340 3746155.818 499.43
LOCATION L0006165      VOLUME  474823.181 3746147.319 499.19
LOCATION L0006166      VOLUME  474823.022 3746138.821 498.95
LOCATION L0006167      VOLUME  474822.863 3746130.322 498.72
LOCATION L0006168      VOLUME  474822.704 3746121.824 498.57
LOCATION L0006169      VOLUME  474822.545 3746113.325 498.42
LOCATION L0006170      VOLUME  474822.386 3746104.827 498.27
LOCATION L0006171      VOLUME  474822.227 3746096.328 498.18
LOCATION L0006172      VOLUME  474822.068 3746087.830 498.20
LOCATION L0006173      VOLUME  474821.909 3746079.331 498.21
LOCATION L0006174      VOLUME  474821.750 3746070.833 498.22
LOCATION L0006175      VOLUME  474821.591 3746062.334 498.48
LOCATION L0006176      VOLUME  474821.432 3746053.836 498.78
LOCATION L0006177      VOLUME  474821.273 3746045.337 499.07
LOCATION L0006178      VOLUME  474821.114 3746036.839 499.26
LOCATION L0006179      VOLUME  474820.955 3746028.340 499.27
LOCATION L0006180      VOLUME  474820.796 3746019.842 499.28
LOCATION L0006181      VOLUME  474820.637 3746011.343 499.29
LOCATION L0006182      VOLUME  474820.478 3746002.845 499.38

```

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Idling Building E (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.006423

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475022.016, 3746232.412, 489.79, 4.00, 3.95

** 475017.538, 3745993.054, 491.56, 4.00, 3.95

** -----

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LOCATION L0006183      VOLUME  475021.937 3746228.162 489.89
LOCATION L0006184      VOLUME  475021.778 3746219.664 489.87
LOCATION L0006185      VOLUME  475021.619 3746211.165 489.61
LOCATION L0006186      VOLUME  475021.460 3746202.667 489.35

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CO

LOCATION L0006187	VOLUME	475021.301	3746194.168	489.09
LOCATION L0006188	VOLUME	475021.142	3746185.670	489.11
LOCATION L0006189	VOLUME	475020.983	3746177.171	489.39
LOCATION L0006190	VOLUME	475020.824	3746168.673	489.68
LOCATION L0006191	VOLUME	475020.665	3746160.174	489.97
LOCATION L0006192	VOLUME	475020.506	3746151.676	489.71
LOCATION L0006193	VOLUME	475020.347	3746143.177	489.43
LOCATION L0006194	VOLUME	475020.188	3746134.679	489.15
LOCATION L0006195	VOLUME	475020.029	3746126.180	489.13
LOCATION L0006196	VOLUME	475019.870	3746117.682	489.41
LOCATION L0006197	VOLUME	475019.711	3746109.183	489.70
LOCATION L0006198	VOLUME	475019.552	3746100.685	489.99
LOCATION L0006199	VOLUME	475019.393	3746092.186	490.02
LOCATION L0006200	VOLUME	475019.234	3746083.688	490.03
LOCATION L0006201	VOLUME	475019.075	3746075.189	490.03
LOCATION L0006202	VOLUME	475018.916	3746066.691	490.04
LOCATION L0006203	VOLUME	475018.757	3746058.192	490.06
LOCATION L0006204	VOLUME	475018.598	3746049.694	490.08
LOCATION L0006205	VOLUME	475018.439	3746041.195	490.10
LOCATION L0006206	VOLUME	475018.280	3746032.697	490.34
LOCATION L0006207	VOLUME	475018.121	3746024.198	490.62
LOCATION L0006208	VOLUME	475017.962	3746015.700	490.89
LOCATION L0006209	VOLUME	475017.803	3746007.201	491.08
LOCATION L0006210	VOLUME	475017.644	3745998.702	491.11

** End of LINE VOLUME Source ID = SLINE2

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Idling Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.008118

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

**

LOCATION L0006211	VOLUME	475163.701	3746225.768	485.02
LOCATION L0006212	VOLUME	475163.542	3746217.269	485.14
LOCATION L0006213	VOLUME	475163.383	3746208.771	484.93
LOCATION L0006214	VOLUME	475163.224	3746200.272	484.72
LOCATION L0006215	VOLUME	475163.065	3746191.774	484.51
LOCATION L0006216	VOLUME	475162.906	3746183.275	484.64
LOCATION L0006217	VOLUME	475162.747	3746174.777	484.87
LOCATION L0006218	VOLUME	475162.588	3746166.278	485.09
LOCATION L0006219	VOLUME	475162.429	3746157.780	485.25

CO

LOCATION L0006220	VOLUME	475162.270	3746149.281	485.26
LOCATION L0006221	VOLUME	475162.111	3746140.783	485.26
LOCATION L0006222	VOLUME	475161.953	3746132.284	485.27
LOCATION L0006223	VOLUME	475161.794	3746123.785	485.48
LOCATION L0006224	VOLUME	475161.635	3746115.287	485.77
LOCATION L0006225	VOLUME	475161.476	3746106.788	486.06
LOCATION L0006226	VOLUME	475161.317	3746098.290	486.29
LOCATION L0006227	VOLUME	475161.158	3746089.791	486.29
LOCATION L0006228	VOLUME	475160.999	3746081.293	486.30
LOCATION L0006229	VOLUME	475160.840	3746072.794	486.31
LOCATION L0006230	VOLUME	475160.681	3746064.296	486.50
LOCATION L0006231	VOLUME	475160.522	3746055.797	486.79
LOCATION L0006232	VOLUME	475160.363	3746047.299	487.08
LOCATION L0006233	VOLUME	475160.204	3746038.800	487.35
LOCATION L0006234	VOLUME	475160.045	3746030.302	487.55
LOCATION L0006235	VOLUME	475159.886	3746021.803	487.74
LOCATION L0006236	VOLUME	475159.727	3746013.305	487.93
LOCATION L0006237	VOLUME	475159.568	3746004.806	488.00
LOCATION L0006238	VOLUME	475159.409	3745996.308	488.00

** End of LINE VOLUME Source ID = SLINE3

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Idling Building D (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.008118

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

**

LOCATION L0006239	VOLUME	475392.153	3746219.541	477.59
LOCATION L0006240	VOLUME	475391.994	3746211.043	477.60
LOCATION L0006241	VOLUME	475391.835	3746202.544	477.61
LOCATION L0006242	VOLUME	475391.676	3746194.046	477.61
LOCATION L0006243	VOLUME	475391.517	3746185.547	477.56
LOCATION L0006244	VOLUME	475391.358	3746177.049	477.46
LOCATION L0006245	VOLUME	475391.200	3746168.550	477.36
LOCATION L0006246	VOLUME	475391.041	3746160.052	477.26
LOCATION L0006247	VOLUME	475390.882	3746151.553	477.27
LOCATION L0006248	VOLUME	475390.723	3746143.055	477.29
LOCATION L0006249	VOLUME	475390.564	3746134.556	477.30
LOCATION L0006250	VOLUME	475390.405	3746126.058	477.35
LOCATION L0006251	VOLUME	475390.246	3746117.559	477.46
LOCATION L0006252	VOLUME	475390.087	3746109.061	477.56

CO

LOCATION L0006253	VOLUME	475389.928	3746100.562	477.66
LOCATION L0006254	VOLUME	475389.769	3746092.064	477.67
LOCATION L0006255	VOLUME	475389.610	3746083.565	477.68
LOCATION L0006256	VOLUME	475389.451	3746075.067	477.68
LOCATION L0006257	VOLUME	475389.292	3746066.568	477.69
LOCATION L0006258	VOLUME	475389.133	3746058.070	477.70
LOCATION L0006259	VOLUME	475388.974	3746049.571	477.70
LOCATION L0006260	VOLUME	475388.815	3746041.073	477.71
LOCATION L0006261	VOLUME	475388.656	3746032.574	477.96
LOCATION L0006262	VOLUME	475388.497	3746024.076	478.25
LOCATION L0006263	VOLUME	475388.338	3746015.577	478.54
LOCATION L0006264	VOLUME	475388.179	3746007.079	478.73
LOCATION L0006265	VOLUME	475388.020	3745998.580	478.73
LOCATION L0006266	VOLUME	475387.861	3745990.082	478.74

** End of LINE VOLUME Source ID = SLINE4

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC On-Site Travel Building E (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00155

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 474824.850, 3746236.554, 497.36, 4.00, 3.95

** 474820.373, 3745997.196, 500.21, 4.00, 3.95

**

LOCATION L0006267	VOLUME	474824.771	3746232.304	496.81
LOCATION L0006268	VOLUME	474824.612	3746223.806	496.96
LOCATION L0006269	VOLUME	474824.453	3746215.307	497.11
LOCATION L0006270	VOLUME	474824.294	3746206.809	497.26
LOCATION L0006271	VOLUME	474824.135	3746198.310	497.40
LOCATION L0006272	VOLUME	474823.976	3746189.812	497.55
LOCATION L0006273	VOLUME	474823.817	3746181.313	498.12
LOCATION L0006274	VOLUME	474823.658	3746172.815	498.69
LOCATION L0006275	VOLUME	474823.499	3746164.316	499.26
LOCATION L0006276	VOLUME	474823.340	3746155.818	499.43
LOCATION L0006277	VOLUME	474823.181	3746147.319	499.19
LOCATION L0006278	VOLUME	474823.022	3746138.821	498.95
LOCATION L0006279	VOLUME	474822.863	3746130.322	498.72
LOCATION L0006280	VOLUME	474822.704	3746121.824	498.57
LOCATION L0006281	VOLUME	474822.545	3746113.325	498.42
LOCATION L0006282	VOLUME	474822.386	3746104.827	498.27
LOCATION L0006283	VOLUME	474822.227	3746096.328	498.18
LOCATION L0006284	VOLUME	474822.068	3746087.830	498.20
LOCATION L0006285	VOLUME	474821.909	3746079.331	498.21

CO

LOCATION L0006286	VOLUME	474821.750	3746070.833	498.22
LOCATION L0006287	VOLUME	474821.591	3746062.334	498.48
LOCATION L0006288	VOLUME	474821.432	3746053.836	498.78
LOCATION L0006289	VOLUME	474821.273	3746045.337	499.07
LOCATION L0006290	VOLUME	474821.114	3746036.839	499.26
LOCATION L0006291	VOLUME	474820.955	3746028.340	499.27
LOCATION L0006292	VOLUME	474820.796	3746019.842	499.28
LOCATION L0006293	VOLUME	474820.637	3746011.343	499.29
LOCATION L0006294	VOLUME	474820.478	3746002.845	499.38

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC On-Site Travel Building E (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00155

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475022.016, 3746232.412, 489.79, 4.00, 3.95

** 475017.538, 3745993.054, 491.56, 4.00, 3.95

** -----

LOCATION L0006295	VOLUME	475021.937	3746228.162	489.89
LOCATION L0006296	VOLUME	475021.778	3746219.664	489.87
LOCATION L0006297	VOLUME	475021.619	3746211.165	489.61
LOCATION L0006298	VOLUME	475021.460	3746202.667	489.35
LOCATION L0006299	VOLUME	475021.301	3746194.168	489.09
LOCATION L0006300	VOLUME	475021.142	3746185.670	489.11
LOCATION L0006301	VOLUME	475020.983	3746177.171	489.39
LOCATION L0006302	VOLUME	475020.824	3746168.673	489.68
LOCATION L0006303	VOLUME	475020.665	3746160.174	489.97
LOCATION L0006304	VOLUME	475020.506	3746151.676	489.71
LOCATION L0006305	VOLUME	475020.347	3746143.177	489.43
LOCATION L0006306	VOLUME	475020.188	3746134.679	489.15
LOCATION L0006307	VOLUME	475020.029	3746126.180	489.13
LOCATION L0006308	VOLUME	475019.870	3746117.682	489.41
LOCATION L0006309	VOLUME	475019.711	3746109.183	489.70
LOCATION L0006310	VOLUME	475019.552	3746100.685	489.99
LOCATION L0006311	VOLUME	475019.393	3746092.186	490.02
LOCATION L0006312	VOLUME	475019.234	3746083.688	490.03
LOCATION L0006313	VOLUME	475019.075	3746075.189	490.03
LOCATION L0006314	VOLUME	475018.916	3746066.691	490.04
LOCATION L0006315	VOLUME	475018.757	3746058.192	490.06
LOCATION L0006316	VOLUME	475018.598	3746049.694	490.08
LOCATION L0006317	VOLUME	475018.439	3746041.195	490.10
LOCATION L0006318	VOLUME	475018.280	3746032.697	490.34

CO

LOCATION L0006319	VOLUME	475018.121	3746024.198	490.62
LOCATION L0006320	VOLUME	475017.962	3746015.700	490.89
LOCATION L0006321	VOLUME	475017.803	3746007.201	491.08
LOCATION L0006322	VOLUME	475017.644	3745998.702	491.11

** End of LINE VOLUME Source ID = SLINE6

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Travel Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.001959

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

**

LOCATION L0006323	VOLUME	475163.701	3746225.768	485.02
LOCATION L0006324	VOLUME	475163.542	3746217.269	485.14
LOCATION L0006325	VOLUME	475163.383	3746208.771	484.93
LOCATION L0006326	VOLUME	475163.224	3746200.272	484.72
LOCATION L0006327	VOLUME	475163.065	3746191.774	484.51
LOCATION L0006328	VOLUME	475162.906	3746183.275	484.64
LOCATION L0006329	VOLUME	475162.747	3746174.777	484.87
LOCATION L0006330	VOLUME	475162.588	3746166.278	485.09
LOCATION L0006331	VOLUME	475162.429	3746157.780	485.25
LOCATION L0006332	VOLUME	475162.270	3746149.281	485.26
LOCATION L0006333	VOLUME	475162.111	3746140.783	485.26
LOCATION L0006334	VOLUME	475161.953	3746132.284	485.27
LOCATION L0006335	VOLUME	475161.794	3746123.785	485.48
LOCATION L0006336	VOLUME	475161.635	3746115.287	485.77
LOCATION L0006337	VOLUME	475161.476	3746106.788	486.06
LOCATION L0006338	VOLUME	475161.317	3746098.290	486.29
LOCATION L0006339	VOLUME	475161.158	3746089.791	486.29
LOCATION L0006340	VOLUME	475160.999	3746081.293	486.30
LOCATION L0006341	VOLUME	475160.840	3746072.794	486.31
LOCATION L0006342	VOLUME	475160.681	3746064.296	486.50
LOCATION L0006343	VOLUME	475160.522	3746055.797	486.79
LOCATION L0006344	VOLUME	475160.363	3746047.299	487.08
LOCATION L0006345	VOLUME	475160.204	3746038.800	487.35
LOCATION L0006346	VOLUME	475160.045	3746030.302	487.55
LOCATION L0006347	VOLUME	475159.886	3746021.803	487.74
LOCATION L0006348	VOLUME	475159.727	3746013.305	487.93
LOCATION L0006349	VOLUME	475159.568	3746004.806	488.00
LOCATION L0006350	VOLUME	475159.409	3745996.308	488.00

** End of LINE VOLUME Source ID = SLINE7

CO

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** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC On-Site Travel Building D (East Side)
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.001959
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 2
** 475392.233, 3746223.791, 477.76, 4.00, 3.95
** 475387.755, 3745984.434, 478.87, 4.00, 3.95
** -----
LOCATION L0006351    VOLUME  475392.153 3746219.541 477.59
LOCATION L0006352    VOLUME  475391.994 3746211.043 477.60
LOCATION L0006353    VOLUME  475391.835 3746202.544 477.61
LOCATION L0006354    VOLUME  475391.676 3746194.046 477.61
LOCATION L0006355    VOLUME  475391.517 3746185.547 477.56
LOCATION L0006356    VOLUME  475391.358 3746177.049 477.46
LOCATION L0006357    VOLUME  475391.200 3746168.550 477.36
LOCATION L0006358    VOLUME  475391.041 3746160.052 477.26
LOCATION L0006359    VOLUME  475390.882 3746151.553 477.27
LOCATION L0006360    VOLUME  475390.723 3746143.055 477.29
LOCATION L0006361    VOLUME  475390.564 3746134.556 477.30
LOCATION L0006362    VOLUME  475390.405 3746126.058 477.35
LOCATION L0006363    VOLUME  475390.246 3746117.559 477.46
LOCATION L0006364    VOLUME  475390.087 3746109.061 477.56
LOCATION L0006365    VOLUME  475389.928 3746100.562 477.66
LOCATION L0006366    VOLUME  475389.769 3746092.064 477.67
LOCATION L0006367    VOLUME  475389.610 3746083.565 477.68
LOCATION L0006368    VOLUME  475389.451 3746075.067 477.68
LOCATION L0006369    VOLUME  475389.292 3746066.568 477.69
LOCATION L0006370    VOLUME  475389.133 3746058.070 477.70
LOCATION L0006371    VOLUME  475388.974 3746049.571 477.70
LOCATION L0006372    VOLUME  475388.815 3746041.073 477.71
LOCATION L0006373    VOLUME  475388.656 3746032.574 477.96
LOCATION L0006374    VOLUME  475388.497 3746024.076 478.25
LOCATION L0006375    VOLUME  475388.338 3746015.577 478.54
LOCATION L0006376    VOLUME  475388.179 3746007.079 478.73
LOCATION L0006377    VOLUME  475388.020 3745998.580 478.73
LOCATION L0006378    VOLUME  475387.861 3745990.082 478.74
** End of LINE VOLUME Source ID = SLINE8
LOCATION PAREA1      AREAPOLY  474745.374 3746237.975    502.460
** DESCRSRC Yard Tractors Building E (West Side)
LOCATION PAREA2      AREAPOLY  475006.383 3746235.194    490.450
** DESCRSRC Yard Tractors Building E (East Side)
LOCATION AREA1       AREA      475113.660 3745988.060    487.360

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CO

** DESCRSRC Yard Tractors Building E (West Side)
LOCATION AREA2 AREA 475380.860 3745968.940 478.610

** DESCRSRC Yard Tractors Building D (East Side)

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC On-Site Idling Building D - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.005056

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 36

** 475444.211, 3746318.914, 474.96, 0.00, 3.95
** 475433.973, 3746293.986, 475.37, 0.00, 3.95
** 475425.070, 3746286.864, 475.62, 0.00, 3.95
** 475436.644, 3746279.742, 476.22, 0.00, 3.95
** 475460.236, 3746295.767, 475.15, 0.00, 3.95
** 475459.346, 3746304.224, 475.20, 0.00, 3.95
** 475471.364, 3746303.779, 474.79, 0.00, 3.95
** 475477.596, 3746301.999, 474.73, 0.00, 3.95
** 475476.261, 3746287.309, 474.88, 0.00, 3.95
** 475476.261, 3746263.717, 475.17, 0.00, 3.95
** 475475.816, 3746250.362, 475.06, 0.00, 3.95
** 475460.681, 3746246.801, 476.21, 0.00, 3.95
** 475433.528, 3746244.576, 476.58, 0.00, 3.95
** 475420.618, 3746249.027, 476.83, 0.00, 3.95
** 475423.289, 3746265.052, 476.17, 0.00, 3.95
** 475428.186, 3746274.400, 476.21, 0.00, 3.95
** 475425.960, 3746283.303, 475.56, 0.00, 3.95
** 475421.954, 3746285.974, 475.77, 0.00, 3.95
** 475414.832, 3746296.657, 475.92, 0.00, 3.95
** 475405.484, 3746298.437, 476.44, 0.00, 3.95
** 475385.452, 3746298.883, 476.91, 0.00, 3.95
** 475362.750, 3746302.444, 477.77, 0.00, 3.95
** 475328.920, 3746306.895, 478.86, 0.00, 3.95
** 475307.553, 3746306.895, 479.71, 0.00, 3.95
** 475280.399, 3746306.895, 480.66, 0.00, 3.95
** 475248.795, 3746305.560, 481.67, 0.00, 3.95
** 475221.641, 3746304.224, 482.60, 0.00, 3.95
** 475207.842, 3746301.999, 482.87, 0.00, 3.95
** 475185.585, 3746306.005, 483.73, 0.00, 3.95
** 475166.889, 3746301.108, 484.54, 0.00, 3.95
** 475158.431, 3746300.218, 484.71, 0.00, 3.95
** 475137.510, 3746301.108, 485.76, 0.00, 3.95
** 475129.052, 3746299.773, 486.02, 0.00, 3.95
** 475125.936, 3746289.980, 486.05, 0.00, 3.95

CO

** 475128.162, 3746270.394, 485.72, 0.00, 3.95

** 475127.717, 3746259.265, 485.56, 0.00, 3.95

**

LOCATION	L0006491	VOLUME	475442.596	3746314.983	474.91
LOCATION	L0006492	VOLUME	475439.367	3746307.120	475.02
LOCATION	L0006493	VOLUME	475436.138	3746299.257	475.13
LOCATION	L0006494	VOLUME	475431.785	3746292.236	475.27
LOCATION	L0006495	VOLUME	475425.148	3746286.926	475.50
LOCATION	L0006496	VOLUME	475432.224	3746282.461	475.26
LOCATION	L0006497	VOLUME	475439.382	3746281.602	475.02
LOCATION	L0006498	VOLUME	475446.414	3746286.378	474.95
LOCATION	L0006499	VOLUME	475453.445	3746291.154	474.83
LOCATION	L0006500	VOLUME	475460.205	3746296.056	474.64
LOCATION	L0006501	VOLUME	475459.632	3746304.214	474.47
LOCATION	L0006502	VOLUME	475468.126	3746303.899	474.25
LOCATION	L0006503	VOLUME	475476.421	3746302.334	474.20
LOCATION	L0006504	VOLUME	475476.937	3746294.751	474.39
LOCATION	L0006505	VOLUME	475476.261	3746286.281	474.63
LOCATION	L0006506	VOLUME	475476.261	3746277.781	474.81
LOCATION	L0006507	VOLUME	475476.261	3746269.281	474.87
LOCATION	L0006508	VOLUME	475476.163	3746260.783	474.93
LOCATION	L0006509	VOLUME	475475.880	3746252.288	474.99
LOCATION	L0006510	VOLUME	475469.417	3746248.857	475.06
LOCATION	L0006511	VOLUME	475461.143	3746246.910	475.37
LOCATION	L0006512	VOLUME	475452.682	3746246.146	475.63
LOCATION	L0006513	VOLUME	475444.211	3746245.451	475.88
LOCATION	L0006514	VOLUME	475435.739	3746244.757	476.02
LOCATION	L0006515	VOLUME	475427.590	3746246.623	476.05
LOCATION	L0006516	VOLUME	475420.804	3746250.138	476.00
LOCATION	L0006517	VOLUME	475422.201	3746258.522	475.88
LOCATION	L0006518	VOLUME	475424.162	3746266.717	475.74
LOCATION	L0006519	VOLUME	475428.106	3746274.247	475.51
LOCATION	L0006520	VOLUME	475426.166	3746282.479	475.46
LOCATION	L0006521	VOLUME	475420.381	3746288.333	475.65
LOCATION	L0006522	VOLUME	475415.666	3746295.405	475.81
LOCATION	L0006523	VOLUME	475407.959	3746297.966	476.07
LOCATION	L0006524	VOLUME	475399.505	3746298.570	476.35
LOCATION	L0006525	VOLUME	475391.008	3746298.759	476.63
LOCATION	L0006526	VOLUME	475382.544	3746299.339	476.92
LOCATION	L0006527	VOLUME	475374.147	3746300.656	477.20
LOCATION	L0006528	VOLUME	475365.750	3746301.973	477.48
LOCATION	L0006529	VOLUME	475357.333	3746303.157	477.76
LOCATION	L0006530	VOLUME	475348.906	3746304.265	478.01
LOCATION	L0006531	VOLUME	475340.478	3746305.374	478.05
LOCATION	L0006532	VOLUME	475332.051	3746306.483	478.07
LOCATION	L0006533	VOLUME	475323.578	3746306.895	478.09
LOCATION	L0006534	VOLUME	475315.078	3746306.895	478.41
LOCATION	L0006535	VOLUME	475306.578	3746306.895	478.95

CO

LOCATION L0006536	VOLUME	475298.078	3746306.895	479.49
LOCATION L0006537	VOLUME	475289.578	3746306.895	480.01
LOCATION L0006538	VOLUME	475281.078	3746306.895	480.30
LOCATION L0006539	VOLUME	475272.585	3746306.565	480.58
LOCATION L0006540	VOLUME	475264.093	3746306.206	480.86
LOCATION L0006541	VOLUME	475255.600	3746305.847	481.15
LOCATION L0006542	VOLUME	475247.108	3746305.477	481.43
LOCATION L0006543	VOLUME	475238.619	3746305.059	481.71
LOCATION L0006544	VOLUME	475230.129	3746304.642	482.00
LOCATION L0006545	VOLUME	475221.639	3746304.224	482.28
LOCATION L0006546	VOLUME	475213.248	3746302.870	482.56
LOCATION L0006547	VOLUME	475204.865	3746302.534	482.84
LOCATION L0006548	VOLUME	475196.500	3746304.040	483.12
LOCATION L0006549	VOLUME	475188.134	3746305.546	483.40
LOCATION L0006550	VOLUME	475179.868	3746304.508	483.67
LOCATION L0006551	VOLUME	475171.645	3746302.354	483.95
LOCATION L0006552	VOLUME	475163.325	3746300.733	484.38
LOCATION L0006553	VOLUME	475154.856	3746300.370	484.85
LOCATION L0006554	VOLUME	475146.363	3746300.732	485.33
LOCATION L0006555	VOLUME	475137.871	3746301.093	485.80
LOCATION L0006556	VOLUME	475129.471	3746299.839	486.13
LOCATION L0006557	VOLUME	475126.603	3746292.077	486.12
LOCATION L0006558	VOLUME	475126.647	3746283.721	485.96
LOCATION L0006559	VOLUME	475127.607	3746275.275	485.76
LOCATION L0006560	VOLUME	475128.018	3746266.810	485.62

** End of LINE VOLUME Source ID = SLINE9

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC On-Site Travel Building D - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.003008

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 36

** 475444.211, 3746318.914, 474.96, 0.00, 3.95

** 475433.973, 3746293.986, 475.37, 0.00, 3.95

** 475425.070, 3746286.864, 475.62, 0.00, 3.95

** 475436.644, 3746279.742, 476.22, 0.00, 3.95

** 475460.236, 3746295.767, 475.15, 0.00, 3.95

** 475459.346, 3746304.224, 475.20, 0.00, 3.95

** 475471.364, 3746303.779, 474.79, 0.00, 3.95

** 475477.596, 3746301.999, 474.73, 0.00, 3.95

** 475476.261, 3746287.309, 474.88, 0.00, 3.95

** 475476.261, 3746263.717, 475.17, 0.00, 3.95

** 475475.816, 3746250.362, 475.06, 0.00, 3.95

CO

** 475460.681, 3746246.801, 476.21, 0.00, 3.95
 ** 475433.528, 3746244.576, 476.58, 0.00, 3.95
 ** 475420.618, 3746249.027, 476.83, 0.00, 3.95
 ** 475423.289, 3746265.052, 476.17, 0.00, 3.95
 ** 475428.186, 3746274.400, 476.21, 0.00, 3.95
 ** 475425.960, 3746283.303, 475.56, 0.00, 3.95
 ** 475421.954, 3746285.974, 475.77, 0.00, 3.95
 ** 475414.832, 3746296.657, 475.92, 0.00, 3.95
 ** 475405.484, 3746298.437, 476.44, 0.00, 3.95
 ** 475385.452, 3746298.883, 476.91, 0.00, 3.95
 ** 475362.750, 3746302.444, 477.77, 0.00, 3.95
 ** 475328.920, 3746306.895, 478.86, 0.00, 3.95
 ** 475307.553, 3746306.895, 479.71, 0.00, 3.95
 ** 475280.399, 3746306.895, 480.66, 0.00, 3.95
 ** 475248.795, 3746305.560, 481.67, 0.00, 3.95
 ** 475221.641, 3746304.224, 482.60, 0.00, 3.95
 ** 475207.842, 3746301.999, 482.87, 0.00, 3.95
 ** 475185.585, 3746306.005, 483.73, 0.00, 3.95
 ** 475166.889, 3746301.108, 484.54, 0.00, 3.95
 ** 475158.431, 3746300.218, 484.71, 0.00, 3.95
 ** 475137.510, 3746301.108, 485.76, 0.00, 3.95
 ** 475129.052, 3746299.773, 486.02, 0.00, 3.95
 ** 475125.936, 3746289.980, 486.05, 0.00, 3.95
 ** 475128.162, 3746270.394, 485.72, 0.00, 3.95
 ** 475127.717, 3746259.265, 485.56, 0.00, 3.95

**

 LOCATION L0006561 VOLUME 475442.596 3746314.983 474.91
 LOCATION L0006562 VOLUME 475439.367 3746307.120 475.02
 LOCATION L0006563 VOLUME 475436.138 3746299.257 475.13
 LOCATION L0006564 VOLUME 475431.785 3746292.236 475.27
 LOCATION L0006565 VOLUME 475425.148 3746286.926 475.50
 LOCATION L0006566 VOLUME 475432.224 3746282.461 475.26
 LOCATION L0006567 VOLUME 475439.382 3746281.602 475.02
 LOCATION L0006568 VOLUME 475446.414 3746286.378 474.95
 LOCATION L0006569 VOLUME 475453.445 3746291.154 474.83
 LOCATION L0006570 VOLUME 475460.205 3746296.056 474.64
 LOCATION L0006571 VOLUME 475459.632 3746304.214 474.47
 LOCATION L0006572 VOLUME 475468.126 3746303.899 474.25
 LOCATION L0006573 VOLUME 475476.421 3746302.334 474.20
 LOCATION L0006574 VOLUME 475476.937 3746294.751 474.39
 LOCATION L0006575 VOLUME 475476.261 3746286.281 474.63
 LOCATION L0006576 VOLUME 475476.261 3746277.781 474.81
 LOCATION L0006577 VOLUME 475476.261 3746269.281 474.87
 LOCATION L0006578 VOLUME 475476.163 3746260.783 474.93
 LOCATION L0006579 VOLUME 475475.880 3746252.288 474.99
 LOCATION L0006580 VOLUME 475469.417 3746248.857 475.06
 LOCATION L0006581 VOLUME 475461.143 3746246.910 475.37
 LOCATION L0006582 VOLUME 475452.682 3746246.146 475.63

CO

LOCATION L0006583	VOLUME	475444.211	3746245.451	475.88
LOCATION L0006584	VOLUME	475435.739	3746244.757	476.02
LOCATION L0006585	VOLUME	475427.590	3746246.623	476.05
LOCATION L0006586	VOLUME	475420.804	3746250.138	476.00
LOCATION L0006587	VOLUME	475422.201	3746258.522	475.88
LOCATION L0006588	VOLUME	475424.162	3746266.717	475.74
LOCATION L0006589	VOLUME	475428.106	3746274.247	475.51
LOCATION L0006590	VOLUME	475426.166	3746282.479	475.46
LOCATION L0006591	VOLUME	475420.381	3746288.333	475.65
LOCATION L0006592	VOLUME	475415.666	3746295.405	475.81
LOCATION L0006593	VOLUME	475407.959	3746297.966	476.07
LOCATION L0006594	VOLUME	475399.505	3746298.570	476.35
LOCATION L0006595	VOLUME	475391.008	3746298.759	476.63
LOCATION L0006596	VOLUME	475382.544	3746299.339	476.92
LOCATION L0006597	VOLUME	475374.147	3746300.656	477.20
LOCATION L0006598	VOLUME	475365.750	3746301.973	477.48
LOCATION L0006599	VOLUME	475357.333	3746303.157	477.76
LOCATION L0006600	VOLUME	475348.906	3746304.265	478.01
LOCATION L0006601	VOLUME	475340.478	3746305.374	478.05
LOCATION L0006602	VOLUME	475332.051	3746306.483	478.07
LOCATION L0006603	VOLUME	475323.578	3746306.895	478.09
LOCATION L0006604	VOLUME	475315.078	3746306.895	478.41
LOCATION L0006605	VOLUME	475306.578	3746306.895	478.95
LOCATION L0006606	VOLUME	475298.078	3746306.895	479.49
LOCATION L0006607	VOLUME	475289.578	3746306.895	480.01
LOCATION L0006608	VOLUME	475281.078	3746306.895	480.30
LOCATION L0006609	VOLUME	475272.585	3746306.565	480.58
LOCATION L0006610	VOLUME	475264.093	3746306.206	480.86
LOCATION L0006611	VOLUME	475255.600	3746305.847	481.15
LOCATION L0006612	VOLUME	475247.108	3746305.477	481.43
LOCATION L0006613	VOLUME	475238.619	3746305.059	481.71
LOCATION L0006614	VOLUME	475230.129	3746304.642	482.00
LOCATION L0006615	VOLUME	475221.639	3746304.224	482.28
LOCATION L0006616	VOLUME	475213.248	3746302.870	482.56
LOCATION L0006617	VOLUME	475204.865	3746302.534	482.84
LOCATION L0006618	VOLUME	475196.500	3746304.040	483.12
LOCATION L0006619	VOLUME	475188.134	3746305.546	483.40
LOCATION L0006620	VOLUME	475179.868	3746304.508	483.67
LOCATION L0006621	VOLUME	475171.645	3746302.354	483.95
LOCATION L0006622	VOLUME	475163.325	3746300.733	484.38
LOCATION L0006623	VOLUME	475154.856	3746300.370	484.85
LOCATION L0006624	VOLUME	475146.363	3746300.732	485.33
LOCATION L0006625	VOLUME	475137.871	3746301.093	485.80
LOCATION L0006626	VOLUME	475129.471	3746299.839	486.13
LOCATION L0006627	VOLUME	475126.603	3746292.077	486.12
LOCATION L0006628	VOLUME	475126.647	3746283.721	485.96
LOCATION L0006629	VOLUME	475127.607	3746275.275	485.76
LOCATION L0006630	VOLUME	475128.018	3746266.810	485.62

CO

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** End of LINE VOLUME Source ID = SLINE10
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC On-Site Idling Building E - Passenger Cars
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.005056
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 7
** 475033.115, 3746319.529, 489.72, 0.00, 0.00
** 475031.535, 3746319.924, 489.78, 0.00, 3.95
** 475032.522, 3746303.925, 489.78, 0.00, 3.95
** 474752.241, 3746305.703, 501.70, 0.00, 3.95
** 474752.438, 3746256.520, 502.01, 0.00, 3.95
** 474788.585, 3746247.829, 499.73, 0.00, 3.95
** 474798.263, 3746289.704, 498.67, 0.00, 3.95
** -----
LOCATION L0006631    VOLUME  475031.696 3746317.308 489.61
LOCATION L0006632    VOLUME  475032.220 3746308.824 489.59
LOCATION L0006633    VOLUME  475028.931 3746303.948 489.70
LOCATION L0006634    VOLUME  475020.431 3746304.002 489.99
LOCATION L0006635    VOLUME  475011.931 3746304.056 490.27
LOCATION L0006636    VOLUME  475003.431 3746304.110 490.55
LOCATION L0006637    VOLUME  474994.932 3746304.164 490.84
LOCATION L0006638    VOLUME  474986.432 3746304.218 491.12
LOCATION L0006639    VOLUME  474977.932 3746304.271 491.40
LOCATION L0006640    VOLUME  474969.432 3746304.325 491.69
LOCATION L0006641    VOLUME  474960.932 3746304.379 491.97
LOCATION L0006642    VOLUME  474952.432 3746304.433 492.46
LOCATION L0006643    VOLUME  474943.933 3746304.487 492.97
LOCATION L0006644    VOLUME  474935.433 3746304.541 493.49
LOCATION L0006645    VOLUME  474926.933 3746304.595 493.82
LOCATION L0006646    VOLUME  474918.433 3746304.649 493.82
LOCATION L0006647    VOLUME  474909.933 3746304.703 493.82
LOCATION L0006648    VOLUME  474901.433 3746304.757 493.83
LOCATION L0006649    VOLUME  474892.934 3746304.811 494.06
LOCATION L0006650    VOLUME  474884.434 3746304.864 494.35
LOCATION L0006651    VOLUME  474875.934 3746304.918 494.63
LOCATION L0006652    VOLUME  474867.434 3746304.972 495.00
LOCATION L0006653    VOLUME  474858.934 3746305.026 495.57
LOCATION L0006654    VOLUME  474850.434 3746305.080 496.14
LOCATION L0006655    VOLUME  474841.935 3746305.134 496.71
LOCATION L0006656    VOLUME  474833.435 3746305.188 497.09
LOCATION L0006657    VOLUME  474824.935 3746305.242 497.42
LOCATION L0006658    VOLUME  474816.435 3746305.296 497.75
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CO

LOCATION L0006659	VOLUME	474807.935	3746305.350	498.07
LOCATION L0006660	VOLUME	474799.435	3746305.404	498.35
LOCATION L0006661	VOLUME	474790.936	3746305.457	498.64
LOCATION L0006662	VOLUME	474782.436	3746305.511	498.92
LOCATION L0006663	VOLUME	474773.936	3746305.565	499.61
LOCATION L0006664	VOLUME	474765.436	3746305.619	500.46
LOCATION L0006665	VOLUME	474756.936	3746305.673	501.31
LOCATION L0006666	VOLUME	474752.256	3746301.899	501.77
LOCATION L0006667	VOLUME	474752.290	3746293.399	501.77
LOCATION L0006668	VOLUME	474752.324	3746284.899	501.77
LOCATION L0006669	VOLUME	474752.358	3746276.399	501.77
LOCATION L0006670	VOLUME	474752.393	3746267.899	501.79
LOCATION L0006671	VOLUME	474752.427	3746259.399	501.81
LOCATION L0006672	VOLUME	474757.904	3746255.206	501.43
LOCATION L0006673	VOLUME	474766.168	3746253.219	500.86
LOCATION L0006674	VOLUME	474774.433	3746251.232	500.34
LOCATION L0006675	VOLUME	474782.697	3746249.245	499.82
LOCATION L0006676	VOLUME	474789.135	3746250.211	499.39
LOCATION L0006677	VOLUME	474791.049	3746258.493	499.08
LOCATION L0006678	VOLUME	474792.963	3746266.775	498.82
LOCATION L0006679	VOLUME	474794.878	3746275.056	498.59
LOCATION L0006680	VOLUME	474796.792	3746283.338	498.44

** End of LINE VOLUME Source ID = SLINE11

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC On-Site Travel Building E - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.002148

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 7

** 475033.115, 3746319.529, 489.72, 0.00, 0.00

** 475031.535, 3746319.924, 489.78, 0.00, 3.95

** 475032.522, 3746303.925, 489.78, 0.00, 3.95

** 474752.241, 3746305.703, 501.70, 0.00, 3.95

** 474752.438, 3746256.520, 502.01, 0.00, 3.95

** 474788.585, 3746247.829, 499.73, 0.00, 3.95

** 474798.263, 3746289.704, 498.67, 0.00, 3.95

** -----

LOCATION L0006681	VOLUME	475031.696	3746317.308	489.61
LOCATION L0006682	VOLUME	475032.220	3746308.824	489.59
LOCATION L0006683	VOLUME	475028.931	3746303.948	489.70
LOCATION L0006684	VOLUME	475020.431	3746304.002	489.99
LOCATION L0006685	VOLUME	475011.931	3746304.056	490.27
LOCATION L0006686	VOLUME	475003.431	3746304.110	490.55

CO

LOCATION	VOLUME			
L0006687	474994.932	3746304.164	490.84	
L0006688	474986.432	3746304.218	491.12	
L0006689	474977.932	3746304.271	491.40	
L0006690	474969.432	3746304.325	491.69	
L0006691	474960.932	3746304.379	491.97	
L0006692	474952.432	3746304.433	492.46	
L0006693	474943.933	3746304.487	492.97	
L0006694	474935.433	3746304.541	493.49	
L0006695	474926.933	3746304.595	493.82	
L0006696	474918.433	3746304.649	493.82	
L0006697	474909.933	3746304.703	493.82	
L0006698	474901.433	3746304.757	493.83	
L0006699	474892.934	3746304.811	494.06	
L0006700	474884.434	3746304.864	494.35	
L0006701	474875.934	3746304.918	494.63	
L0006702	474867.434	3746304.972	495.00	
L0006703	474858.934	3746305.026	495.57	
L0006704	474850.434	3746305.080	496.14	
L0006705	474841.935	3746305.134	496.71	
L0006706	474833.435	3746305.188	497.09	
L0006707	474824.935	3746305.242	497.42	
L0006708	474816.435	3746305.296	497.75	
L0006709	474807.935	3746305.350	498.07	
L0006710	474799.435	3746305.404	498.35	
L0006711	474790.936	3746305.457	498.64	
L0006712	474782.436	3746305.511	498.92	
L0006713	474773.936	3746305.565	499.61	
L0006714	474765.436	3746305.619	500.46	
L0006715	474756.936	3746305.673	501.31	
L0006716	474752.256	3746301.899	501.77	
L0006717	474752.290	3746293.399	501.77	
L0006718	474752.324	3746284.899	501.77	
L0006719	474752.358	3746276.399	501.77	
L0006720	474752.393	3746267.899	501.79	
L0006721	474752.427	3746259.399	501.81	
L0006722	474757.904	3746255.206	501.43	
L0006723	474766.168	3746253.219	500.86	
L0006724	474774.433	3746251.232	500.34	
L0006725	474782.697	3746249.245	499.82	
L0006726	474789.135	3746250.211	499.39	
L0006727	474791.049	3746258.493	499.08	
L0006728	474792.963	3746266.775	498.82	
L0006729	474794.878	3746275.056	498.59	
L0006730	474796.792	3746283.338	498.44	

** End of LINE VOLUME Source ID = SLINE12

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0006155	0.0002293929	4.00	3.95	1.86
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CO

SRCPARAM	L0006156	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006157	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006158	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006159	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006160	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006161	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006162	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006163	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006164	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006165	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006166	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006167	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006168	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006169	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006170	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006171	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006172	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006173	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006174	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006175	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006176	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006177	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006178	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006179	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006180	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006181	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006182	0.0002293929	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0006183	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006184	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006185	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006186	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006187	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006188	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006189	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006190	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006191	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006192	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006193	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006194	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006195	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006196	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006197	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006198	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006199	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006200	0.0002293929	4.00	3.95	1.86
SRCPARAM	L0006201	0.0002293929	4.00	3.95	1.86

CO

SRCPARAM L0006202	0.0002293929	4.00	3.95	1.86
SRCPARAM L0006203	0.0002293929	4.00	3.95	1.86
SRCPARAM L0006204	0.0002293929	4.00	3.95	1.86
SRCPARAM L0006205	0.0002293929	4.00	3.95	1.86
SRCPARAM L0006206	0.0002293929	4.00	3.95	1.86
SRCPARAM L0006207	0.0002293929	4.00	3.95	1.86
SRCPARAM L0006208	0.0002293929	4.00	3.95	1.86
SRCPARAM L0006209	0.0002293929	4.00	3.95	1.86
SRCPARAM L0006210	0.0002293929	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE3

SRCPARAM L0006211	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006212	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006213	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006214	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006215	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006216	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006217	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006218	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006219	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006220	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006221	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006222	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006223	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006224	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006225	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006226	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006227	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006228	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006229	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006230	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006231	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006232	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006233	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006234	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006235	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006236	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006237	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006238	0.0002899286	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM L0006239	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006240	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006241	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006242	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006243	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006244	0.0002899286	4.00	3.95	1.86
SRCPARAM L0006245	0.0002899286	4.00	3.95	1.86

CO

SRCPARAM	L0006246	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006247	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006248	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006249	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006250	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006251	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006252	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006253	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006254	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006255	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006256	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006257	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006258	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006259	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006260	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006261	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006262	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006263	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006264	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006265	0.0002899286	4.00	3.95	1.86
SRCPARAM	L0006266	0.0002899286	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0006267	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006268	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006269	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006270	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006271	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006272	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006273	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006274	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006275	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006276	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006277	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006278	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006279	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006280	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006281	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006282	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006283	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006284	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006285	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006286	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006287	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006288	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006289	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006290	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006291	0.0000553571	4.00	3.95	1.86

			CO		
SRCPARAM	L0006292	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006293	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006294	0.0000553571	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0006295	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006296	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006297	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006298	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006299	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006300	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006301	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006302	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006303	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006304	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006305	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006306	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006307	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006308	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006309	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006310	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006311	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006312	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006313	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006314	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006315	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006316	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006317	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006318	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006319	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006320	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006321	0.0000553571	4.00	3.95	1.86
SRCPARAM	L0006322	0.0000553571	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0006323	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006324	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006325	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006326	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006327	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006328	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006329	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006330	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006331	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006332	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006333	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006334	0.0000699643	4.00	3.95	1.86
SRCPARAM	L0006335	0.0000699643	4.00	3.95	1.86

CO

SRCPARAM L0006336	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006337	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006338	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006339	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006340	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006341	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006342	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006343	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006344	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006345	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006346	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006347	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006348	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006349	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006350	0.0000699643	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE8

SRCPARAM L0006351	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006352	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006353	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006354	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006355	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006356	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006357	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006358	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006359	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006360	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006361	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006362	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006363	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006364	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006365	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006366	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006367	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006368	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006369	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006370	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006371	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006372	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006373	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006374	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006375	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006376	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006377	0.0000699643	4.00	3.95	1.86
SRCPARAM L0006378	0.0000699643	4.00	3.95	1.86

**

SRCPARAM PAREA1	5.0468E-07	3.900	9	1.800
AREAVERT PAREA1	474745.374	3746237.975	474837.822	3746236.237

CO

AREAVERT	PAREA1	474833.651	3745984.959	474785.342	3745986.349	
AREAVERT	PAREA1	474780.129	3745991.910	474780.824	3746073.931	
AREAVERT	PAREA1	474755.105	3746094.437	474744.679	3746095.479	
AREAVERT	PAREA1	474745.374	3746239.365			
SRCPARAM	PAREA2	7.265E-07	3.900	9	1.800	
AREAVERT	PAREA2	475006.383	3746235.194	475043.571	3746234.499	
AREAVERT	PAREA2	475043.571	3746216.079	475062.686	3746215.036	
AREAVERT	PAREA2	475060.254	3745995.385	475044.961	3745996.080	
AREAVERT	PAREA2	475043.571	3745988.434	475007.426	3745989.824	
AREAVERT	PAREA2	475004.298	3745990.867			
SRCPARAM	AREA1	6.4089E-07	3.900	59.076	255.832	0.337
1.800						
SRCPARAM	AREA2	4.7822E-07	3.900	75.775	267.300	0.263
1.800						

** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0006491	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006492	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006493	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006494	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006495	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006496	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006497	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006498	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006499	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006500	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006501	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006502	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006503	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006504	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006505	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006506	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006507	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006508	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006509	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006510	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006511	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006512	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006513	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006514	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006515	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006516	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006517	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006518	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006519	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006520	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006521	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006522	0.0000722286	0.00	3.95	0.47	
SRCPARAM	L0006523	0.0000722286	0.00	3.95	0.47	

CO

SRCPARAM	L0006524	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006525	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006526	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006527	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006528	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006529	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006530	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006531	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006532	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006533	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006534	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006535	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006536	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006537	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006538	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006539	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006540	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006541	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006542	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006543	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006544	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006545	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006546	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006547	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006548	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006549	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006550	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006551	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006552	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006553	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006554	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006555	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006556	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006557	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006558	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006559	0.0000722286	0.00	3.95	0.47
SRCPARAM	L0006560	0.0000722286	0.00	3.95	0.47

**

** LINE VOLUME Source ID = SLINE10

SRCPARAM	L0006561	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006562	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006563	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006564	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006565	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006566	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006567	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006568	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006569	0.0000429714	0.00	3.95	0.47

CO

SRCPARAM	L0006618	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006619	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006620	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006621	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006622	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006623	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006624	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006625	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006626	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006627	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006628	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006629	0.0000429714	0.00	3.95	0.47
SRCPARAM	L0006630	0.0000429714	0.00	3.95	0.47

**

** LINE VOLUME Source ID = SLINE11

SRCPARAM	L0006631	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006632	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006633	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006634	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006635	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006636	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006637	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006638	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006639	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006640	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006641	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006642	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006643	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006644	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006645	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006646	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006647	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006648	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006649	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006650	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006651	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006652	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006653	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006654	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006655	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006656	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006657	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006658	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006659	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006660	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006661	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006662	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006663	0.00010112	0.00	3.95	0.47

CO

SRCPARAM	L0006664	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006665	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006666	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006667	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006668	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006669	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006670	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006671	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006672	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006673	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006674	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006675	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006676	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006677	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006678	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006679	0.00010112	0.00	3.95	0.47
SRCPARAM	L0006680	0.00010112	0.00	3.95	0.47

**

** LINE VOLUME Source ID = SLINE12

SRCPARAM	L0006681	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006682	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006683	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006684	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006685	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006686	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006687	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006688	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006689	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006690	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006691	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006692	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006693	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006694	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006695	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006696	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006697	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006698	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006699	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006700	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006701	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006702	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006703	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006704	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006705	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006706	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006707	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006708	0.00004296	0.00	3.95	0.47
SRCPARAM	L0006709	0.00004296	0.00	3.95	0.47

			CO		
SRCPARAM L0006710	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006711	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006712	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006713	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006714	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006715	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006716	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006717	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006718	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006719	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006720	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006721	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006722	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006723	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006724	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006725	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006726	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006727	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006728	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006729	0.00004296	0.00	3.95	0.47	
SRCPARAM L0006730	0.00004296	0.00	3.95	0.47	

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
INCLUDED CO.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING
SURFFILE "..\..\SRA24_Met Data\peri8.sfc"
PROFFILE "..\..\SRA24_Met Data\peri8.PFL"
SURFDATA 3190 2007
UAIRDATA 3190 2007
SITEDATA 99999 2007
PROFBASE 442.0 METERS

ME FINISHED

CO

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 8 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST CO.AD\01H1GALL.PLT 31

PLOTFILE 8 ALL 1ST CO.AD\08H1GALL.PLT 32

SUMMFILE CO.sum

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of	0 Fatal Error Message(s)
A Total of	1 Warning Message(s)
A Total of	0 Informational Message(s)

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

***** WARNING MESSAGES *****
 ME W531 1294 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

 *** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
 *** 13:51:59

**MODELOPTs: RegDEFAULT CONC PAGE 1
 ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY

CO

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 468 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 468 Source(s); 1 Source Group(s); and 64
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 464 VOLUME source(s)
and: 4 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

CO

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing
Hours
b for Both Calm
and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.9 MB of RAM.

**Detailed Error/Message File: CO.err

**File for Summary of Results: CO.sum

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Operational LST\CO\CO.isc *** 01/28/16
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	ID	SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY			(METERS)	(METERS)	(METERS)
L0006155		0	0.22939E-03	474824.8	3746232.3	496.8	4.00	3.95
1.86	YES							
L0006156		0	0.22939E-03	474824.6	3746223.8	497.0	4.00	3.95

CO

1.86	YES							
L0006157		0	0.22939E-03	474824.5	3746215.3	497.1	4.00	3.95
1.86	YES							
L0006158		0	0.22939E-03	474824.3	3746206.8	497.3	4.00	3.95
1.86	YES							
L0006159		0	0.22939E-03	474824.1	3746198.3	497.4	4.00	3.95
1.86	YES							
L0006160		0	0.22939E-03	474824.0	3746189.8	497.6	4.00	3.95
1.86	YES							
L0006161		0	0.22939E-03	474823.8	3746181.3	498.1	4.00	3.95
1.86	YES							
L0006162		0	0.22939E-03	474823.7	3746172.8	498.7	4.00	3.95
1.86	YES							
L0006163		0	0.22939E-03	474823.5	3746164.3	499.3	4.00	3.95
1.86	YES							
L0006164		0	0.22939E-03	474823.3	3746155.8	499.4	4.00	3.95
1.86	YES							
L0006165		0	0.22939E-03	474823.2	3746147.3	499.2	4.00	3.95
1.86	YES							
L0006166		0	0.22939E-03	474823.0	3746138.8	498.9	4.00	3.95
1.86	YES							
L0006167		0	0.22939E-03	474822.9	3746130.3	498.7	4.00	3.95
1.86	YES							
L0006168		0	0.22939E-03	474822.7	3746121.8	498.6	4.00	3.95
1.86	YES							
L0006169		0	0.22939E-03	474822.5	3746113.3	498.4	4.00	3.95
1.86	YES							
L0006170		0	0.22939E-03	474822.4	3746104.8	498.3	4.00	3.95
1.86	YES							
L0006171		0	0.22939E-03	474822.2	3746096.3	498.2	4.00	3.95
1.86	YES							
L0006172		0	0.22939E-03	474822.1	3746087.8	498.2	4.00	3.95
1.86	YES							
L0006173		0	0.22939E-03	474821.9	3746079.3	498.2	4.00	3.95
1.86	YES							
L0006174		0	0.22939E-03	474821.8	3746070.8	498.2	4.00	3.95
1.86	YES							
L0006175		0	0.22939E-03	474821.6	3746062.3	498.5	4.00	3.95
1.86	YES							
L0006176		0	0.22939E-03	474821.4	3746053.8	498.8	4.00	3.95
1.86	YES							
L0006177		0	0.22939E-03	474821.3	3746045.3	499.1	4.00	3.95
1.86	YES							
L0006178		0	0.22939E-03	474821.1	3746036.8	499.3	4.00	3.95
1.86	YES							
L0006179		0	0.22939E-03	474821.0	3746028.3	499.3	4.00	3.95
1.86	YES							
L0006180		0	0.22939E-03	474820.8	3746019.8	499.3	4.00	3.95

CO

1.86	YES							
L0006181		0	0.22939E-03	474820.6	3746011.3	499.3	4.00	3.95
1.86	YES							
L0006182		0	0.22939E-03	474820.5	3746002.8	499.4	4.00	3.95
1.86	YES							
L0006183		0	0.22939E-03	475021.9	3746228.2	489.9	4.00	3.95
1.86	YES							
L0006184		0	0.22939E-03	475021.8	3746219.7	489.9	4.00	3.95
1.86	YES							
L0006185		0	0.22939E-03	475021.6	3746211.2	489.6	4.00	3.95
1.86	YES							
L0006186		0	0.22939E-03	475021.5	3746202.7	489.4	4.00	3.95
1.86	YES							
L0006187		0	0.22939E-03	475021.3	3746194.2	489.1	4.00	3.95
1.86	YES							
L0006188		0	0.22939E-03	475021.1	3746185.7	489.1	4.00	3.95
1.86	YES							
L0006189		0	0.22939E-03	475021.0	3746177.2	489.4	4.00	3.95
1.86	YES							
L0006190		0	0.22939E-03	475020.8	3746168.7	489.7	4.00	3.95
1.86	YES							
L0006191		0	0.22939E-03	475020.7	3746160.2	490.0	4.00	3.95
1.86	YES							
L0006192		0	0.22939E-03	475020.5	3746151.7	489.7	4.00	3.95
1.86	YES							
L0006193		0	0.22939E-03	475020.3	3746143.2	489.4	4.00	3.95
1.86	YES							
L0006194		0	0.22939E-03	475020.2	3746134.7	489.2	4.00	3.95

1.86 YES
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 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY			(METERS)	(METERS)	(METERS)

CO

L0006195	0	0.22939E-03	475020.0	3746126.2	489.1	4.00	3.95
1.86 YES							
L0006196	0	0.22939E-03	475019.9	3746117.7	489.4	4.00	3.95
1.86 YES							
L0006197	0	0.22939E-03	475019.7	3746109.2	489.7	4.00	3.95
1.86 YES							
L0006198	0	0.22939E-03	475019.6	3746100.7	490.0	4.00	3.95
1.86 YES							
L0006199	0	0.22939E-03	475019.4	3746092.2	490.0	4.00	3.95
1.86 YES							
L0006200	0	0.22939E-03	475019.2	3746083.7	490.0	4.00	3.95
1.86 YES							
L0006201	0	0.22939E-03	475019.1	3746075.2	490.0	4.00	3.95
1.86 YES							
L0006202	0	0.22939E-03	475018.9	3746066.7	490.0	4.00	3.95
1.86 YES							
L0006203	0	0.22939E-03	475018.8	3746058.2	490.1	4.00	3.95
1.86 YES							
L0006204	0	0.22939E-03	475018.6	3746049.7	490.1	4.00	3.95
1.86 YES							
L0006205	0	0.22939E-03	475018.4	3746041.2	490.1	4.00	3.95
1.86 YES							
L0006206	0	0.22939E-03	475018.3	3746032.7	490.3	4.00	3.95
1.86 YES							
L0006207	0	0.22939E-03	475018.1	3746024.2	490.6	4.00	3.95
1.86 YES							
L0006208	0	0.22939E-03	475018.0	3746015.7	490.9	4.00	3.95
1.86 YES							
L0006209	0	0.22939E-03	475017.8	3746007.2	491.1	4.00	3.95
1.86 YES							
L0006210	0	0.22939E-03	475017.6	3745998.7	491.1	4.00	3.95
1.86 YES							
L0006211	0	0.28993E-03	475163.7	3746225.8	485.0	4.00	3.95
1.86 YES							
L0006212	0	0.28993E-03	475163.5	3746217.3	485.1	4.00	3.95
1.86 YES							
L0006213	0	0.28993E-03	475163.4	3746208.8	484.9	4.00	3.95
1.86 YES							
L0006214	0	0.28993E-03	475163.2	3746200.3	484.7	4.00	3.95
1.86 YES							
L0006215	0	0.28993E-03	475163.1	3746191.8	484.5	4.00	3.95
1.86 YES							
L0006216	0	0.28993E-03	475162.9	3746183.3	484.6	4.00	3.95
1.86 YES							
L0006217	0	0.28993E-03	475162.7	3746174.8	484.9	4.00	3.95
1.86 YES							
L0006218	0	0.28993E-03	475162.6	3746166.3	485.1	4.00	3.95

CO

1.86	YES							
L0006219		0	0.28993E-03	475162.4	3746157.8	485.2	4.00	3.95
1.86	YES							
L0006220		0	0.28993E-03	475162.3	3746149.3	485.3	4.00	3.95
1.86	YES							
L0006221		0	0.28993E-03	475162.1	3746140.8	485.3	4.00	3.95
1.86	YES							
L0006222		0	0.28993E-03	475162.0	3746132.3	485.3	4.00	3.95
1.86	YES							
L0006223		0	0.28993E-03	475161.8	3746123.8	485.5	4.00	3.95
1.86	YES							
L0006224		0	0.28993E-03	475161.6	3746115.3	485.8	4.00	3.95
1.86	YES							
L0006225		0	0.28993E-03	475161.5	3746106.8	486.1	4.00	3.95
1.86	YES							
L0006226		0	0.28993E-03	475161.3	3746098.3	486.3	4.00	3.95
1.86	YES							
L0006227		0	0.28993E-03	475161.2	3746089.8	486.3	4.00	3.95
1.86	YES							
L0006228		0	0.28993E-03	475161.0	3746081.3	486.3	4.00	3.95
1.86	YES							
L0006229		0	0.28993E-03	475160.8	3746072.8	486.3	4.00	3.95
1.86	YES							
L0006230		0	0.28993E-03	475160.7	3746064.3	486.5	4.00	3.95
1.86	YES							
L0006231		0	0.28993E-03	475160.5	3746055.8	486.8	4.00	3.95
1.86	YES							
L0006232		0	0.28993E-03	475160.4	3746047.3	487.1	4.00	3.95
1.86	YES							
L0006233		0	0.28993E-03	475160.2	3746038.8	487.4	4.00	3.95
1.86	YES							
L0006234		0	0.28993E-03	475160.0	3746030.3	487.6	4.00	3.95

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 ***
 *** 13:51:59

**MODELOPTs: RegDFAULT CONC PAGE 4
 ELEV URBAN

*** VOLUME SOURCE DATA ***

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

ID (METERS)	CATS. BY	CO					
		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0006235	0	0.28993E-03	475159.9	3746021.8	487.7	4.00	3.95
1.86 YES							
L0006236	0	0.28993E-03	475159.7	3746013.3	487.9	4.00	3.95
1.86 YES							
L0006237	0	0.28993E-03	475159.6	3746004.8	488.0	4.00	3.95
1.86 YES							
L0006238	0	0.28993E-03	475159.4	3745996.3	488.0	4.00	3.95
1.86 YES							
L0006239	0	0.28993E-03	475392.2	3746219.5	477.6	4.00	3.95
1.86 YES							
L0006240	0	0.28993E-03	475392.0	3746211.0	477.6	4.00	3.95
1.86 YES							
L0006241	0	0.28993E-03	475391.8	3746202.5	477.6	4.00	3.95
1.86 YES							
L0006242	0	0.28993E-03	475391.7	3746194.0	477.6	4.00	3.95
1.86 YES							
L0006243	0	0.28993E-03	475391.5	3746185.5	477.6	4.00	3.95
1.86 YES							
L0006244	0	0.28993E-03	475391.4	3746177.0	477.5	4.00	3.95
1.86 YES							
L0006245	0	0.28993E-03	475391.2	3746168.5	477.4	4.00	3.95
1.86 YES							
L0006246	0	0.28993E-03	475391.0	3746160.1	477.3	4.00	3.95
1.86 YES							
L0006247	0	0.28993E-03	475390.9	3746151.6	477.3	4.00	3.95
1.86 YES							
L0006248	0	0.28993E-03	475390.7	3746143.1	477.3	4.00	3.95
1.86 YES							
L0006249	0	0.28993E-03	475390.6	3746134.6	477.3	4.00	3.95
1.86 YES							
L0006250	0	0.28993E-03	475390.4	3746126.1	477.4	4.00	3.95
1.86 YES							
L0006251	0	0.28993E-03	475390.2	3746117.6	477.5	4.00	3.95
1.86 YES							
L0006252	0	0.28993E-03	475390.1	3746109.1	477.6	4.00	3.95
1.86 YES							
L0006253	0	0.28993E-03	475389.9	3746100.6	477.7	4.00	3.95
1.86 YES							
L0006254	0	0.28993E-03	475389.8	3746092.1	477.7	4.00	3.95
1.86 YES							
L0006255	0	0.28993E-03	475389.6	3746083.6	477.7	4.00	3.95
1.86 YES							
L0006256	0	0.28993E-03	475389.5	3746075.1	477.7	4.00	3.95

CO

1.86	YES							
L0006257		0	0.28993E-03	475389.3	3746066.6	477.7	4.00	3.95
1.86	YES							
L0006258		0	0.28993E-03	475389.1	3746058.1	477.7	4.00	3.95
1.86	YES							
L0006259		0	0.28993E-03	475389.0	3746049.6	477.7	4.00	3.95
1.86	YES							
L0006260		0	0.28993E-03	475388.8	3746041.1	477.7	4.00	3.95
1.86	YES							
L0006261		0	0.28993E-03	475388.7	3746032.6	478.0	4.00	3.95
1.86	YES							
L0006262		0	0.28993E-03	475388.5	3746024.1	478.2	4.00	3.95
1.86	YES							
L0006263		0	0.28993E-03	475388.3	3746015.6	478.5	4.00	3.95
1.86	YES							
L0006264		0	0.28993E-03	475388.2	3746007.1	478.7	4.00	3.95
1.86	YES							
L0006265		0	0.28993E-03	475388.0	3745998.6	478.7	4.00	3.95
1.86	YES							
L0006266		0	0.28993E-03	475387.9	3745990.1	478.7	4.00	3.95
1.86	YES							
L0006267		0	0.55357E-04	474824.8	3746232.3	496.8	4.00	3.95
1.86	YES							
L0006268		0	0.55357E-04	474824.6	3746223.8	497.0	4.00	3.95
1.86	YES							
L0006269		0	0.55357E-04	474824.5	3746215.3	497.1	4.00	3.95
1.86	YES							
L0006270		0	0.55357E-04	474824.3	3746206.8	497.3	4.00	3.95
1.86	YES							
L0006271		0	0.55357E-04	474824.1	3746198.3	497.4	4.00	3.95
1.86	YES							
L0006272		0	0.55357E-04	474824.0	3746189.8	497.6	4.00	3.95
1.86	YES							
L0006273		0	0.55357E-04	474823.8	3746181.3	498.1	4.00	3.95
1.86	YES							
L0006274		0	0.55357E-04	474823.7	3746172.8	498.7	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
 *** 13:51:59

**MODELOPTs: RegDEFAULT CONC PAGE 5
 ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT. SZ	URBAN SOURCE ID (METERS)	NUMBER EMISSION RATE PART. SCALAR CATS. BY	EMISSION RATE (GRAMS/SEC)		CO		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)
			VARY		X (METERS)	Y (METERS)			
1.86	YES	0	0.55357E-04		474823.5	3746164.3	499.3	4.00	3.95
1.86	YES	0	0.55357E-04		474823.3	3746155.8	499.4	4.00	3.95
1.86	YES	0	0.55357E-04		474823.2	3746147.3	499.2	4.00	3.95
1.86	YES	0	0.55357E-04		474823.0	3746138.8	498.9	4.00	3.95
1.86	YES	0	0.55357E-04		474822.9	3746130.3	498.7	4.00	3.95
1.86	YES	0	0.55357E-04		474822.7	3746121.8	498.6	4.00	3.95
1.86	YES	0	0.55357E-04		474822.5	3746113.3	498.4	4.00	3.95
1.86	YES	0	0.55357E-04		474822.4	3746104.8	498.3	4.00	3.95
1.86	YES	0	0.55357E-04		474822.2	3746096.3	498.2	4.00	3.95
1.86	YES	0	0.55357E-04		474822.1	3746087.8	498.2	4.00	3.95
1.86	YES	0	0.55357E-04		474821.9	3746079.3	498.2	4.00	3.95
1.86	YES	0	0.55357E-04		474821.8	3746070.8	498.2	4.00	3.95
1.86	YES	0	0.55357E-04		474821.6	3746062.3	498.5	4.00	3.95
1.86	YES	0	0.55357E-04		474821.4	3746053.8	498.8	4.00	3.95
1.86	YES	0	0.55357E-04		474821.3	3746045.3	499.1	4.00	3.95
1.86	YES	0	0.55357E-04		474821.1	3746036.8	499.3	4.00	3.95
1.86	YES	0	0.55357E-04		474821.0	3746028.3	499.3	4.00	3.95
1.86	YES	0	0.55357E-04		474820.8	3746019.8	499.3	4.00	3.95
1.86	YES	0	0.55357E-04		474820.6	3746011.3	499.3	4.00	3.95
1.86	YES	0	0.55357E-04		474820.5	3746002.8	499.4	4.00	3.95

CO

1.86	YES							
L0006295		0	0.55357E-04	475021.9	3746228.2	489.9	4.00	3.95
1.86	YES							
L0006296		0	0.55357E-04	475021.8	3746219.7	489.9	4.00	3.95
1.86	YES							
L0006297		0	0.55357E-04	475021.6	3746211.2	489.6	4.00	3.95
1.86	YES							
L0006298		0	0.55357E-04	475021.5	3746202.7	489.4	4.00	3.95
1.86	YES							
L0006299		0	0.55357E-04	475021.3	3746194.2	489.1	4.00	3.95
1.86	YES							
L0006300		0	0.55357E-04	475021.1	3746185.7	489.1	4.00	3.95
1.86	YES							
L0006301		0	0.55357E-04	475021.0	3746177.2	489.4	4.00	3.95
1.86	YES							
L0006302		0	0.55357E-04	475020.8	3746168.7	489.7	4.00	3.95
1.86	YES							
L0006303		0	0.55357E-04	475020.7	3746160.2	490.0	4.00	3.95
1.86	YES							
L0006304		0	0.55357E-04	475020.5	3746151.7	489.7	4.00	3.95
1.86	YES							
L0006305		0	0.55357E-04	475020.3	3746143.2	489.4	4.00	3.95
1.86	YES							
L0006306		0	0.55357E-04	475020.2	3746134.7	489.2	4.00	3.95
1.86	YES							
L0006307		0	0.55357E-04	475020.0	3746126.2	489.1	4.00	3.95
1.86	YES							
L0006308		0	0.55357E-04	475019.9	3746117.7	489.4	4.00	3.95
1.86	YES							
L0006309		0	0.55357E-04	475019.7	3746109.2	489.7	4.00	3.95
1.86	YES							
L0006310		0	0.55357E-04	475019.6	3746100.7	490.0	4.00	3.95
1.86	YES							
L0006311		0	0.55357E-04	475019.4	3746092.2	490.0	4.00	3.95
1.86	YES							
L0006312		0	0.55357E-04	475019.2	3746083.7	490.0	4.00	3.95
1.86	YES							
L0006313		0	0.55357E-04	475019.1	3746075.2	490.0	4.00	3.95
1.86	YES							
L0006314		0	0.55357E-04	475018.9	3746066.7	490.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
 *** 13:51:59

PAGE 6
 ELEV URBAN

**MODELOPTs: RegDEFAULT CONC

CO

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0006315		0	0.55357E-04	475018.8	3746058.2	490.1	4.00	3.95
1.86	YES							
L0006316		0	0.55357E-04	475018.6	3746049.7	490.1	4.00	3.95
1.86	YES							
L0006317		0	0.55357E-04	475018.4	3746041.2	490.1	4.00	3.95
1.86	YES							
L0006318		0	0.55357E-04	475018.3	3746032.7	490.3	4.00	3.95
1.86	YES							
L0006319		0	0.55357E-04	475018.1	3746024.2	490.6	4.00	3.95
1.86	YES							
L0006320		0	0.55357E-04	475018.0	3746015.7	490.9	4.00	3.95
1.86	YES							
L0006321		0	0.55357E-04	475017.8	3746007.2	491.1	4.00	3.95
1.86	YES							
L0006322		0	0.55357E-04	475017.6	3745998.7	491.1	4.00	3.95
1.86	YES							
L0006323		0	0.69964E-04	475163.7	3746225.8	485.0	4.00	3.95
1.86	YES							
L0006324		0	0.69964E-04	475163.5	3746217.3	485.1	4.00	3.95
1.86	YES							
L0006325		0	0.69964E-04	475163.4	3746208.8	484.9	4.00	3.95
1.86	YES							
L0006326		0	0.69964E-04	475163.2	3746200.3	484.7	4.00	3.95
1.86	YES							
L0006327		0	0.69964E-04	475163.1	3746191.8	484.5	4.00	3.95
1.86	YES							
L0006328		0	0.69964E-04	475162.9	3746183.3	484.6	4.00	3.95
1.86	YES							
L0006329		0	0.69964E-04	475162.7	3746174.8	484.9	4.00	3.95
1.86	YES							
L0006330		0	0.69964E-04	475162.6	3746166.3	485.1	4.00	3.95
1.86	YES							
L0006331		0	0.69964E-04	475162.4	3746157.8	485.2	4.00	3.95
1.86	YES							
L0006332		0	0.69964E-04	475162.3	3746149.3	485.3	4.00	3.95

CO

1.86	YES							
L0006333		0	0.69964E-04	475162.1	3746140.8	485.3	4.00	3.95
1.86	YES							
L0006334		0	0.69964E-04	475162.0	3746132.3	485.3	4.00	3.95
1.86	YES							
L0006335		0	0.69964E-04	475161.8	3746123.8	485.5	4.00	3.95
1.86	YES							
L0006336		0	0.69964E-04	475161.6	3746115.3	485.8	4.00	3.95
1.86	YES							
L0006337		0	0.69964E-04	475161.5	3746106.8	486.1	4.00	3.95
1.86	YES							
L0006338		0	0.69964E-04	475161.3	3746098.3	486.3	4.00	3.95
1.86	YES							
L0006339		0	0.69964E-04	475161.2	3746089.8	486.3	4.00	3.95
1.86	YES							
L0006340		0	0.69964E-04	475161.0	3746081.3	486.3	4.00	3.95
1.86	YES							
L0006341		0	0.69964E-04	475160.8	3746072.8	486.3	4.00	3.95
1.86	YES							
L0006342		0	0.69964E-04	475160.7	3746064.3	486.5	4.00	3.95
1.86	YES							
L0006343		0	0.69964E-04	475160.5	3746055.8	486.8	4.00	3.95
1.86	YES							
L0006344		0	0.69964E-04	475160.4	3746047.3	487.1	4.00	3.95
1.86	YES							
L0006345		0	0.69964E-04	475160.2	3746038.8	487.4	4.00	3.95
1.86	YES							
L0006346		0	0.69964E-04	475160.0	3746030.3	487.6	4.00	3.95
1.86	YES							
L0006347		0	0.69964E-04	475159.9	3746021.8	487.7	4.00	3.95
1.86	YES							
L0006348		0	0.69964E-04	475159.7	3746013.3	487.9	4.00	3.95
1.86	YES							
L0006349		0	0.69964E-04	475159.6	3746004.8	488.0	4.00	3.95
1.86	YES							
L0006350		0	0.69964E-04	475159.4	3745996.3	488.0	4.00	3.95
1.86	YES							
L0006351		0	0.69964E-04	475392.2	3746219.5	477.6	4.00	3.95
1.86	YES							
L0006352		0	0.69964E-04	475392.0	3746211.0	477.6	4.00	3.95
1.86	YES							
L0006353		0	0.69964E-04	475391.8	3746202.5	477.6	4.00	3.95
1.86	YES							
L0006354		0	0.69964E-04	475391.7	3746194.0	477.6	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***

*** CO
13:51:59

**MODELOPTs: RegDFAULT CONC PAGE 7
ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	Y	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0006355		0	0.69964E-04		475391.5	3746185.5	4.00	3.95
1.86	YES							
L0006356		0	0.69964E-04		475391.4	3746177.0	4.00	3.95
1.86	YES							
L0006357		0	0.69964E-04		475391.2	3746168.5	4.00	3.95
1.86	YES							
L0006358		0	0.69964E-04		475391.0	3746160.1	4.00	3.95
1.86	YES							
L0006359		0	0.69964E-04		475390.9	3746151.6	4.00	3.95
1.86	YES							
L0006360		0	0.69964E-04		475390.7	3746143.1	4.00	3.95
1.86	YES							
L0006361		0	0.69964E-04		475390.6	3746134.6	4.00	3.95
1.86	YES							
L0006362		0	0.69964E-04		475390.4	3746126.1	4.00	3.95
1.86	YES							
L0006363		0	0.69964E-04		475390.2	3746117.6	4.00	3.95
1.86	YES							
L0006364		0	0.69964E-04		475390.1	3746109.1	4.00	3.95
1.86	YES							
L0006365		0	0.69964E-04		475389.9	3746100.6	4.00	3.95
1.86	YES							
L0006366		0	0.69964E-04		475389.8	3746092.1	4.00	3.95
1.86	YES							
L0006367		0	0.69964E-04		475389.6	3746083.6	4.00	3.95
1.86	YES							
L0006368		0	0.69964E-04		475389.5	3746075.1	4.00	3.95
1.86	YES							
L0006369		0	0.69964E-04		475389.3	3746066.6	4.00	3.95
1.86	YES							
L0006370		0	0.69964E-04		475389.1	3746058.1	4.00	3.95

CO

1.86	YES							
L0006371		0	0.69964E-04	475389.0	3746049.6	477.7	4.00	3.95
1.86	YES							
L0006372		0	0.69964E-04	475388.8	3746041.1	477.7	4.00	3.95
1.86	YES							
L0006373		0	0.69964E-04	475388.7	3746032.6	478.0	4.00	3.95
1.86	YES							
L0006374		0	0.69964E-04	475388.5	3746024.1	478.2	4.00	3.95
1.86	YES							
L0006375		0	0.69964E-04	475388.3	3746015.6	478.5	4.00	3.95
1.86	YES							
L0006376		0	0.69964E-04	475388.2	3746007.1	478.7	4.00	3.95
1.86	YES							
L0006377		0	0.69964E-04	475388.0	3745998.6	478.7	4.00	3.95
1.86	YES							
L0006378		0	0.69964E-04	475387.9	3745990.1	478.7	4.00	3.95
1.86	YES							
L0006491		0	0.72229E-04	475442.6	3746315.0	474.9	0.00	3.95
0.47	YES							
L0006492		0	0.72229E-04	475439.4	3746307.1	475.0	0.00	3.95
0.47	YES							
L0006493		0	0.72229E-04	475436.1	3746299.3	475.1	0.00	3.95
0.47	YES							
L0006494		0	0.72229E-04	475431.8	3746292.2	475.3	0.00	3.95
0.47	YES							
L0006495		0	0.72229E-04	475425.1	3746286.9	475.5	0.00	3.95
0.47	YES							
L0006496		0	0.72229E-04	475432.2	3746282.5	475.3	0.00	3.95
0.47	YES							
L0006497		0	0.72229E-04	475439.4	3746281.6	475.0	0.00	3.95
0.47	YES							
L0006498		0	0.72229E-04	475446.4	3746286.4	474.9	0.00	3.95
0.47	YES							
L0006499		0	0.72229E-04	475453.4	3746291.2	474.8	0.00	3.95
0.47	YES							
L0006500		0	0.72229E-04	475460.2	3746296.1	474.6	0.00	3.95
0.47	YES							
L0006501		0	0.72229E-04	475459.6	3746304.2	474.5	0.00	3.95
0.47	YES							
L0006502		0	0.72229E-04	475468.1	3746303.9	474.2	0.00	3.95
0.47	YES							
L0006503		0	0.72229E-04	475476.4	3746302.3	474.2	0.00	3.95
0.47	YES							
L0006504		0	0.72229E-04	475476.9	3746294.8	474.4	0.00	3.95
0.47	YES							
L0006505		0	0.72229E-04	475476.3	3746286.3	474.6	0.00	3.95
0.47	YES							
L0006506		0	0.72229E-04	475476.3	3746277.8	474.8	0.00	3.95

CO

0.47 YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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*** AERMET - VERSION 14134 ***
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ELEV URBAN

**MODELOPTs: RegDEFAULT CONC

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0006507		0	0.72229E-04	475476.3	3746269.3	474.9	0.00	3.95
0.47	YES							
L0006508		0	0.72229E-04	475476.2	3746260.8	474.9	0.00	3.95
0.47	YES							
L0006509		0	0.72229E-04	475475.9	3746252.3	475.0	0.00	3.95
0.47	YES							
L0006510		0	0.72229E-04	475469.4	3746248.9	475.1	0.00	3.95
0.47	YES							
L0006511		0	0.72229E-04	475461.1	3746246.9	475.4	0.00	3.95
0.47	YES							
L0006512		0	0.72229E-04	475452.7	3746246.1	475.6	0.00	3.95
0.47	YES							
L0006513		0	0.72229E-04	475444.2	3746245.5	475.9	0.00	3.95
0.47	YES							
L0006514		0	0.72229E-04	475435.7	3746244.8	476.0	0.00	3.95
0.47	YES							
L0006515		0	0.72229E-04	475427.6	3746246.6	476.1	0.00	3.95
0.47	YES							
L0006516		0	0.72229E-04	475420.8	3746250.1	476.0	0.00	3.95
0.47	YES							
L0006517		0	0.72229E-04	475422.2	3746258.5	475.9	0.00	3.95
0.47	YES							
L0006518		0	0.72229E-04	475424.2	3746266.7	475.7	0.00	3.95
0.47	YES							
L0006519		0	0.72229E-04	475428.1	3746274.2	475.5	0.00	3.95
0.47	YES							
L0006520		0	0.72229E-04	475426.2	3746282.5	475.5	0.00	3.95

CO

0.47	YES							
L0006521		0	0.72229E-04	475420.4	3746288.3	475.7	0.00	3.95
0.47	YES							
L0006522		0	0.72229E-04	475415.7	3746295.4	475.8	0.00	3.95
0.47	YES							
L0006523		0	0.72229E-04	475408.0	3746298.0	476.1	0.00	3.95
0.47	YES							
L0006524		0	0.72229E-04	475399.5	3746298.6	476.4	0.00	3.95
0.47	YES							
L0006525		0	0.72229E-04	475391.0	3746298.8	476.6	0.00	3.95
0.47	YES							
L0006526		0	0.72229E-04	475382.5	3746299.3	476.9	0.00	3.95
0.47	YES							
L0006527		0	0.72229E-04	475374.1	3746300.7	477.2	0.00	3.95
0.47	YES							
L0006528		0	0.72229E-04	475365.8	3746302.0	477.5	0.00	3.95
0.47	YES							
L0006529		0	0.72229E-04	475357.3	3746303.2	477.8	0.00	3.95
0.47	YES							
L0006530		0	0.72229E-04	475348.9	3746304.3	478.0	0.00	3.95
0.47	YES							
L0006531		0	0.72229E-04	475340.5	3746305.4	478.1	0.00	3.95
0.47	YES							
L0006532		0	0.72229E-04	475332.1	3746306.5	478.1	0.00	3.95
0.47	YES							
L0006533		0	0.72229E-04	475323.6	3746306.9	478.1	0.00	3.95
0.47	YES							
L0006534		0	0.72229E-04	475315.1	3746306.9	478.4	0.00	3.95
0.47	YES							
L0006535		0	0.72229E-04	475306.6	3746306.9	478.9	0.00	3.95
0.47	YES							
L0006536		0	0.72229E-04	475298.1	3746306.9	479.5	0.00	3.95
0.47	YES							
L0006537		0	0.72229E-04	475289.6	3746306.9	480.0	0.00	3.95
0.47	YES							
L0006538		0	0.72229E-04	475281.1	3746306.9	480.3	0.00	3.95
0.47	YES							
L0006539		0	0.72229E-04	475272.6	3746306.6	480.6	0.00	3.95
0.47	YES							
L0006540		0	0.72229E-04	475264.1	3746306.2	480.9	0.00	3.95
0.47	YES							
L0006541		0	0.72229E-04	475255.6	3746305.8	481.2	0.00	3.95
0.47	YES							
L0006542		0	0.72229E-04	475247.1	3746305.5	481.4	0.00	3.95
0.47	YES							
L0006543		0	0.72229E-04	475238.6	3746305.1	481.7	0.00	3.95
0.47	YES							
L0006544		0	0.72229E-04	475230.1	3746304.6	482.0	0.00	3.95

CO

0.47 YES
L0006545 0 0.72229E-04 475221.6 3746304.2 482.3 0.00 3.95

0.47 YES
L0006546 0 0.72229E-04 475213.2 3746302.9 482.6 0.00 3.95

0.47 YES
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\CO\CO.isc *** 01/28/16
*** AERMET - VERSION 14134 *** ***
*** 13:51:59

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE		ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)							

L0006547	0	0.72229E-04	475204.9	3746302.5	482.8	0.00	3.95
0.47 YES							
L0006548	0	0.72229E-04	475196.5	3746304.0	483.1	0.00	3.95
0.47 YES							
L0006549	0	0.72229E-04	475188.1	3746305.5	483.4	0.00	3.95
0.47 YES							
L0006550	0	0.72229E-04	475179.9	3746304.5	483.7	0.00	3.95
0.47 YES							
L0006551	0	0.72229E-04	475171.6	3746302.4	483.9	0.00	3.95
0.47 YES							
L0006552	0	0.72229E-04	475163.3	3746300.7	484.4	0.00	3.95
0.47 YES							
L0006553	0	0.72229E-04	475154.9	3746300.4	484.9	0.00	3.95
0.47 YES							
L0006554	0	0.72229E-04	475146.4	3746300.7	485.3	0.00	3.95
0.47 YES							
L0006555	0	0.72229E-04	475137.9	3746301.1	485.8	0.00	3.95
0.47 YES							
L0006556	0	0.72229E-04	475129.5	3746299.8	486.1	0.00	3.95
0.47 YES							
L0006557	0	0.72229E-04	475126.6	3746292.1	486.1	0.00	3.95
0.47 YES							
L0006558	0	0.72229E-04	475126.6	3746283.7	486.0	0.00	3.95

CO

0.47	YES							
L0006559		0	0.72229E-04	475127.6	3746275.3	485.8	0.00	3.95
0.47	YES							
L0006560		0	0.72229E-04	475128.0	3746266.8	485.6	0.00	3.95
0.47	YES							
L0006561		0	0.42971E-04	475442.6	3746315.0	474.9	0.00	3.95
0.47	YES							
L0006562		0	0.42971E-04	475439.4	3746307.1	475.0	0.00	3.95
0.47	YES							
L0006563		0	0.42971E-04	475436.1	3746299.3	475.1	0.00	3.95
0.47	YES							
L0006564		0	0.42971E-04	475431.8	3746292.2	475.3	0.00	3.95
0.47	YES							
L0006565		0	0.42971E-04	475425.1	3746286.9	475.5	0.00	3.95
0.47	YES							
L0006566		0	0.42971E-04	475432.2	3746282.5	475.3	0.00	3.95
0.47	YES							
L0006567		0	0.42971E-04	475439.4	3746281.6	475.0	0.00	3.95
0.47	YES							
L0006568		0	0.42971E-04	475446.4	3746286.4	474.9	0.00	3.95
0.47	YES							
L0006569		0	0.42971E-04	475453.4	3746291.2	474.8	0.00	3.95
0.47	YES							
L0006570		0	0.42971E-04	475460.2	3746296.1	474.6	0.00	3.95
0.47	YES							
L0006571		0	0.42971E-04	475459.6	3746304.2	474.5	0.00	3.95
0.47	YES							
L0006572		0	0.42971E-04	475468.1	3746303.9	474.2	0.00	3.95
0.47	YES							
L0006573		0	0.42971E-04	475476.4	3746302.3	474.2	0.00	3.95
0.47	YES							
L0006574		0	0.42971E-04	475476.9	3746294.8	474.4	0.00	3.95
0.47	YES							
L0006575		0	0.42971E-04	475476.3	3746286.3	474.6	0.00	3.95
0.47	YES							
L0006576		0	0.42971E-04	475476.3	3746277.8	474.8	0.00	3.95
0.47	YES							
L0006577		0	0.42971E-04	475476.3	3746269.3	474.9	0.00	3.95
0.47	YES							
L0006578		0	0.42971E-04	475476.2	3746260.8	474.9	0.00	3.95
0.47	YES							
L0006579		0	0.42971E-04	475475.9	3746252.3	475.0	0.00	3.95
0.47	YES							
L0006580		0	0.42971E-04	475469.4	3746248.9	475.1	0.00	3.95
0.47	YES							
L0006581		0	0.42971E-04	475461.1	3746246.9	475.4	0.00	3.95
0.47	YES							
L0006582		0	0.42971E-04	475452.7	3746246.1	475.6	0.00	3.95

CO

0.47 YES
 L0006583 0 0.42971E-04 475444.2 3746245.5 475.9 0.00 3.95
 0.47 YES
 L0006584 0 0.42971E-04 475435.7 3746244.8 476.0 0.00 3.95
 0.47 YES
 L0006585 0 0.42971E-04 475427.6 3746246.6 476.1 0.00 3.95
 0.47 YES
 L0006586 0 0.42971E-04 475420.8 3746250.1 476.0 0.00 3.95

0.47 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
 *** 13:51:59

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0006587	0	0.42971E-04	475422.2	3746258.5	475.9	0.00	3.95
0.47 YES							
L0006588	0	0.42971E-04	475424.2	3746266.7	475.7	0.00	3.95
0.47 YES							
L0006589	0	0.42971E-04	475428.1	3746274.2	475.5	0.00	3.95
0.47 YES							
L0006590	0	0.42971E-04	475426.2	3746282.5	475.5	0.00	3.95
0.47 YES							
L0006591	0	0.42971E-04	475420.4	3746288.3	475.7	0.00	3.95
0.47 YES							
L0006592	0	0.42971E-04	475415.7	3746295.4	475.8	0.00	3.95
0.47 YES							
L0006593	0	0.42971E-04	475408.0	3746298.0	476.1	0.00	3.95
0.47 YES							
L0006594	0	0.42971E-04	475399.5	3746298.6	476.4	0.00	3.95
0.47 YES							
L0006595	0	0.42971E-04	475391.0	3746298.8	476.6	0.00	3.95
0.47 YES							
L0006596	0	0.42971E-04	475382.5	3746299.3	476.9	0.00	3.95

CO

0.47	YES							
L0006597		0	0.42971E-04	475374.1	3746300.7	477.2	0.00	3.95
0.47	YES							
L0006598		0	0.42971E-04	475365.8	3746302.0	477.5	0.00	3.95
0.47	YES							
L0006599		0	0.42971E-04	475357.3	3746303.2	477.8	0.00	3.95
0.47	YES							
L0006600		0	0.42971E-04	475348.9	3746304.3	478.0	0.00	3.95
0.47	YES							
L0006601		0	0.42971E-04	475340.5	3746305.4	478.1	0.00	3.95
0.47	YES							
L0006602		0	0.42971E-04	475332.1	3746306.5	478.1	0.00	3.95
0.47	YES							
L0006603		0	0.42971E-04	475323.6	3746306.9	478.1	0.00	3.95
0.47	YES							
L0006604		0	0.42971E-04	475315.1	3746306.9	478.4	0.00	3.95
0.47	YES							
L0006605		0	0.42971E-04	475306.6	3746306.9	478.9	0.00	3.95
0.47	YES							
L0006606		0	0.42971E-04	475298.1	3746306.9	479.5	0.00	3.95
0.47	YES							
L0006607		0	0.42971E-04	475289.6	3746306.9	480.0	0.00	3.95
0.47	YES							
L0006608		0	0.42971E-04	475281.1	3746306.9	480.3	0.00	3.95
0.47	YES							
L0006609		0	0.42971E-04	475272.6	3746306.6	480.6	0.00	3.95
0.47	YES							
L0006610		0	0.42971E-04	475264.1	3746306.2	480.9	0.00	3.95
0.47	YES							
L0006611		0	0.42971E-04	475255.6	3746305.8	481.2	0.00	3.95
0.47	YES							
L0006612		0	0.42971E-04	475247.1	3746305.5	481.4	0.00	3.95
0.47	YES							
L0006613		0	0.42971E-04	475238.6	3746305.1	481.7	0.00	3.95
0.47	YES							
L0006614		0	0.42971E-04	475230.1	3746304.6	482.0	0.00	3.95
0.47	YES							
L0006615		0	0.42971E-04	475221.6	3746304.2	482.3	0.00	3.95
0.47	YES							
L0006616		0	0.42971E-04	475213.2	3746302.9	482.6	0.00	3.95
0.47	YES							
L0006617		0	0.42971E-04	475204.9	3746302.5	482.8	0.00	3.95
0.47	YES							
L0006618		0	0.42971E-04	475196.5	3746304.0	483.1	0.00	3.95
0.47	YES							
L0006619		0	0.42971E-04	475188.1	3746305.5	483.4	0.00	3.95
0.47	YES							
L0006620		0	0.42971E-04	475179.9	3746304.5	483.7	0.00	3.95

CO

0.47	YES	L0006621	0	0.42971E-04	475171.6	3746302.4	483.9	0.00	3.95
0.47	YES	L0006622	0	0.42971E-04	475163.3	3746300.7	484.4	0.00	3.95
0.47	YES	L0006623	0	0.42971E-04	475154.9	3746300.4	484.9	0.00	3.95
0.47	YES	L0006624	0	0.42971E-04	475146.4	3746300.7	485.3	0.00	3.95
0.47	YES	L0006625	0	0.42971E-04	475137.9	3746301.1	485.8	0.00	3.95
0.47	YES	L0006626	0	0.42971E-04	475129.5	3746299.8	486.1	0.00	3.95

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						

L0006627	0	0.42971E-04	475126.6	3746292.1	486.1	0.00	3.95		
0.47	YES	L0006628	0	0.42971E-04	475126.6	3746283.7	486.0	0.00	3.95
0.47	YES	L0006629	0	0.42971E-04	475127.6	3746275.3	485.8	0.00	3.95
0.47	YES	L0006630	0	0.42971E-04	475128.0	3746266.8	485.6	0.00	3.95
0.47	YES	L0006631	0	0.10112E-03	475031.7	3746317.3	489.6	0.00	3.95
0.47	YES	L0006632	0	0.10112E-03	475032.2	3746308.8	489.6	0.00	3.95
0.47	YES	L0006633	0	0.10112E-03	475028.9	3746303.9	489.7	0.00	3.95
0.47	YES	L0006634	0	0.10112E-03	475020.4	3746304.0	490.0	0.00	3.95

CO

0.47	YES							
L0006635		0	0.10112E-03	475011.9	3746304.1	490.3	0.00	3.95
0.47	YES							
L0006636		0	0.10112E-03	475003.4	3746304.1	490.6	0.00	3.95
0.47	YES							
L0006637		0	0.10112E-03	474994.9	3746304.2	490.8	0.00	3.95
0.47	YES							
L0006638		0	0.10112E-03	474986.4	3746304.2	491.1	0.00	3.95
0.47	YES							
L0006639		0	0.10112E-03	474977.9	3746304.3	491.4	0.00	3.95
0.47	YES							
L0006640		0	0.10112E-03	474969.4	3746304.3	491.7	0.00	3.95
0.47	YES							
L0006641		0	0.10112E-03	474960.9	3746304.4	492.0	0.00	3.95
0.47	YES							
L0006642		0	0.10112E-03	474952.4	3746304.4	492.5	0.00	3.95
0.47	YES							
L0006643		0	0.10112E-03	474943.9	3746304.5	493.0	0.00	3.95
0.47	YES							
L0006644		0	0.10112E-03	474935.4	3746304.5	493.5	0.00	3.95
0.47	YES							
L0006645		0	0.10112E-03	474926.9	3746304.6	493.8	0.00	3.95
0.47	YES							
L0006646		0	0.10112E-03	474918.4	3746304.6	493.8	0.00	3.95
0.47	YES							
L0006647		0	0.10112E-03	474909.9	3746304.7	493.8	0.00	3.95
0.47	YES							
L0006648		0	0.10112E-03	474901.4	3746304.8	493.8	0.00	3.95
0.47	YES							
L0006649		0	0.10112E-03	474892.9	3746304.8	494.1	0.00	3.95
0.47	YES							
L0006650		0	0.10112E-03	474884.4	3746304.9	494.4	0.00	3.95
0.47	YES							
L0006651		0	0.10112E-03	474875.9	3746304.9	494.6	0.00	3.95
0.47	YES							
L0006652		0	0.10112E-03	474867.4	3746305.0	495.0	0.00	3.95
0.47	YES							
L0006653		0	0.10112E-03	474858.9	3746305.0	495.6	0.00	3.95
0.47	YES							
L0006654		0	0.10112E-03	474850.4	3746305.1	496.1	0.00	3.95
0.47	YES							
L0006655		0	0.10112E-03	474841.9	3746305.1	496.7	0.00	3.95
0.47	YES							
L0006656		0	0.10112E-03	474833.4	3746305.2	497.1	0.00	3.95
0.47	YES							
L0006657		0	0.10112E-03	474824.9	3746305.2	497.4	0.00	3.95
0.47	YES							
L0006658		0	0.10112E-03	474816.4	3746305.3	497.8	0.00	3.95

CO

0.47	YES	L0006659	0	0.10112E-03	474807.9	3746305.3	498.1	0.00	3.95
0.47	YES	L0006660	0	0.10112E-03	474799.4	3746305.4	498.4	0.00	3.95
0.47	YES	L0006661	0	0.10112E-03	474790.9	3746305.5	498.6	0.00	3.95
0.47	YES	L0006662	0	0.10112E-03	474782.4	3746305.5	498.9	0.00	3.95
0.47	YES	L0006663	0	0.10112E-03	474773.9	3746305.6	499.6	0.00	3.95
0.47	YES	L0006664	0	0.10112E-03	474765.4	3746305.6	500.5	0.00	3.95
0.47	YES	L0006665	0	0.10112E-03	474756.9	3746305.7	501.3	0.00	3.95
0.47	YES	L0006666	0	0.10112E-03	474752.3	3746301.9	501.8	0.00	3.95

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						

L0006667	0	0.10112E-03	474752.3	3746293.4	501.8	0.00	3.95		
0.47	YES	L0006668	0	0.10112E-03	474752.3	3746284.9	501.8	0.00	3.95
0.47	YES	L0006669	0	0.10112E-03	474752.4	3746276.4	501.8	0.00	3.95
0.47	YES	L0006670	0	0.10112E-03	474752.4	3746267.9	501.8	0.00	3.95
0.47	YES	L0006671	0	0.10112E-03	474752.4	3746259.4	501.8	0.00	3.95
0.47	YES	L0006672	0	0.10112E-03	474757.9	3746255.2	501.4	0.00	3.95

CO

0.47	YES							
L0006673		0	0.10112E-03	474766.2	3746253.2	500.9	0.00	3.95
0.47	YES							
L0006674		0	0.10112E-03	474774.4	3746251.2	500.3	0.00	3.95
0.47	YES							
L0006675		0	0.10112E-03	474782.7	3746249.2	499.8	0.00	3.95
0.47	YES							
L0006676		0	0.10112E-03	474789.1	3746250.2	499.4	0.00	3.95
0.47	YES							
L0006677		0	0.10112E-03	474791.0	3746258.5	499.1	0.00	3.95
0.47	YES							
L0006678		0	0.10112E-03	474793.0	3746266.8	498.8	0.00	3.95
0.47	YES							
L0006679		0	0.10112E-03	474794.9	3746275.1	498.6	0.00	3.95
0.47	YES							
L0006680		0	0.10112E-03	474796.8	3746283.3	498.4	0.00	3.95
0.47	YES							
L0006681		0	0.42960E-04	475031.7	3746317.3	489.6	0.00	3.95
0.47	YES							
L0006682		0	0.42960E-04	475032.2	3746308.8	489.6	0.00	3.95
0.47	YES							
L0006683		0	0.42960E-04	475028.9	3746303.9	489.7	0.00	3.95
0.47	YES							
L0006684		0	0.42960E-04	475020.4	3746304.0	490.0	0.00	3.95
0.47	YES							
L0006685		0	0.42960E-04	475011.9	3746304.1	490.3	0.00	3.95
0.47	YES							
L0006686		0	0.42960E-04	475003.4	3746304.1	490.6	0.00	3.95
0.47	YES							
L0006687		0	0.42960E-04	474994.9	3746304.2	490.8	0.00	3.95
0.47	YES							
L0006688		0	0.42960E-04	474986.4	3746304.2	491.1	0.00	3.95
0.47	YES							
L0006689		0	0.42960E-04	474977.9	3746304.3	491.4	0.00	3.95
0.47	YES							
L0006690		0	0.42960E-04	474969.4	3746304.3	491.7	0.00	3.95
0.47	YES							
L0006691		0	0.42960E-04	474960.9	3746304.4	492.0	0.00	3.95
0.47	YES							
L0006692		0	0.42960E-04	474952.4	3746304.4	492.5	0.00	3.95
0.47	YES							
L0006693		0	0.42960E-04	474943.9	3746304.5	493.0	0.00	3.95
0.47	YES							
L0006694		0	0.42960E-04	474935.4	3746304.5	493.5	0.00	3.95
0.47	YES							
L0006695		0	0.42960E-04	474926.9	3746304.6	493.8	0.00	3.95
0.47	YES							
L0006696		0	0.42960E-04	474918.4	3746304.6	493.8	0.00	3.95

CO

0.47	YES							
L0006697		0	0.42960E-04	474909.9	3746304.7	493.8	0.00	3.95
0.47	YES							
L0006698		0	0.42960E-04	474901.4	3746304.8	493.8	0.00	3.95
0.47	YES							
L0006699		0	0.42960E-04	474892.9	3746304.8	494.1	0.00	3.95
0.47	YES							
L0006700		0	0.42960E-04	474884.4	3746304.9	494.4	0.00	3.95
0.47	YES							
L0006701		0	0.42960E-04	474875.9	3746304.9	494.6	0.00	3.95
0.47	YES							
L0006702		0	0.42960E-04	474867.4	3746305.0	495.0	0.00	3.95
0.47	YES							
L0006703		0	0.42960E-04	474858.9	3746305.0	495.6	0.00	3.95
0.47	YES							
L0006704		0	0.42960E-04	474850.4	3746305.1	496.1	0.00	3.95
0.47	YES							
L0006705		0	0.42960E-04	474841.9	3746305.1	496.7	0.00	3.95
0.47	YES							
L0006706		0	0.42960E-04	474833.4	3746305.2	497.1	0.00	3.95
0.47	YES							

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**MODELOPTs: RegDFault CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0006707		0	0.42960E-04	474824.9	3746305.2	497.4	0.00	3.95
0.47	YES							
L0006708		0	0.42960E-04	474816.4	3746305.3	497.8	0.00	3.95
0.47	YES							
L0006709		0	0.42960E-04	474807.9	3746305.3	498.1	0.00	3.95
0.47	YES							
L0006710		0	0.42960E-04	474799.4	3746305.4	498.4	0.00	3.95

CO

0.47	YES							
L0006711		0	0.42960E-04	474790.9	3746305.5	498.6	0.00	3.95
0.47	YES							
L0006712		0	0.42960E-04	474782.4	3746305.5	498.9	0.00	3.95
0.47	YES							
L0006713		0	0.42960E-04	474773.9	3746305.6	499.6	0.00	3.95
0.47	YES							
L0006714		0	0.42960E-04	474765.4	3746305.6	500.5	0.00	3.95
0.47	YES							
L0006715		0	0.42960E-04	474756.9	3746305.7	501.3	0.00	3.95
0.47	YES							
L0006716		0	0.42960E-04	474752.3	3746301.9	501.8	0.00	3.95
0.47	YES							
L0006717		0	0.42960E-04	474752.3	3746293.4	501.8	0.00	3.95
0.47	YES							
L0006718		0	0.42960E-04	474752.3	3746284.9	501.8	0.00	3.95
0.47	YES							
L0006719		0	0.42960E-04	474752.4	3746276.4	501.8	0.00	3.95
0.47	YES							
L0006720		0	0.42960E-04	474752.4	3746267.9	501.8	0.00	3.95
0.47	YES							
L0006721		0	0.42960E-04	474752.4	3746259.4	501.8	0.00	3.95
0.47	YES							
L0006722		0	0.42960E-04	474757.9	3746255.2	501.4	0.00	3.95
0.47	YES							
L0006723		0	0.42960E-04	474766.2	3746253.2	500.9	0.00	3.95
0.47	YES							
L0006724		0	0.42960E-04	474774.4	3746251.2	500.3	0.00	3.95
0.47	YES							
L0006725		0	0.42960E-04	474782.7	3746249.2	499.8	0.00	3.95
0.47	YES							
L0006726		0	0.42960E-04	474789.1	3746250.2	499.4	0.00	3.95
0.47	YES							
L0006727		0	0.42960E-04	474791.0	3746258.5	499.1	0.00	3.95
0.47	YES							
L0006728		0	0.42960E-04	474793.0	3746266.8	498.8	0.00	3.95
0.47	YES							
L0006729		0	0.42960E-04	474794.9	3746275.1	498.6	0.00	3.95
0.47	YES							
L0006730		0	0.42960E-04	474796.8	3746283.3	498.4	0.00	3.95

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

CO

*** AREA SOURCE DATA ***

Y-DIM OF AREA ID (METERS)	ORIENT. OF AREA (DEG.)	NUMBER INIT. PART. SZ (METERS)	EMISSION RATE (GRAMS/SEC SOURCE /METER**2) BY	COORD (SW CORNER) EMISSION RATE X SCALAR (METERS) BY	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)
------------------------------------	------------------------------	--	---	---	---------------	---------------------------	-------------------------------	------------------------------

AREA1 255.83		0 1.80	0.64089E-06 YES	475113.7	3745988.1	487.4	3.90	59.08
AREA2 267.30	0.34 0.26	0 1.80	0.47822E-06 YES	475380.9	3745968.9	478.6	3.90	75.77

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

INIT. SOURCE SZ ID (METERS)	URBAN SOURCE (METERS)	NUMBER EMISSION RATE PART. SCALAR CATS. BY	EMISSION RATE (GRAMS/SEC VARY /METER**2) BY	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.
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PAREA1 1.80	YES	0 1.80	0.50468E-06	474745.4	3746238.0	502.5	3.90	9
PAREA2 1.80	YES	0 1.80	0.72650E-06	475006.4	3746235.2	490.4	3.90	9

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

CO

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
-----	-----					
ALL	L0006155	, L0006156	, L0006157	, L0006158	, L0006159	,
L0006160	, L0006161	, L0006162	,			
	L0006163	, L0006164	, L0006165	, L0006166	, L0006167	,
L0006168	, L0006169	, L0006170	,			
	L0006171	, L0006172	, L0006173	, L0006174	, L0006175	,
L0006176	, L0006177	, L0006178	,			
	L0006179	, L0006180	, L0006181	, L0006182	, L0006183	,
L0006184	, L0006185	, L0006186	,			
	L0006187	, L0006188	, L0006189	, L0006190	, L0006191	,
L0006192	, L0006193	, L0006194	,			
	L0006195	, L0006196	, L0006197	, L0006198	, L0006199	,
L0006200	, L0006201	, L0006202	,			
	L0006203	, L0006204	, L0006205	, L0006206	, L0006207	,
L0006208	, L0006209	, L0006210	,			
	L0006211	, L0006212	, L0006213	, L0006214	, L0006215	,
L0006216	, L0006217	, L0006218	,			
	L0006219	, L0006220	, L0006221	, L0006222	, L0006223	,
L0006224	, L0006225	, L0006226	,			
	L0006227	, L0006228	, L0006229	, L0006230	, L0006231	,
L0006232	, L0006233	, L0006234	,			
	L0006235	, L0006236	, L0006237	, L0006238	, L0006239	,
L0006240	, L0006241	, L0006242	,			
	L0006243	, L0006244	, L0006245	, L0006246	, L0006247	,
L0006248	, L0006249	, L0006250	,			
	L0006251	, L0006252	, L0006253	, L0006254	, L0006255	,
L0006256	, L0006257	, L0006258	,			

CO

L0006264 , L0006259 , L0006260 , L0006261 , L0006262 , L0006263 ,
 , L0006265 , L0006266 , ,

L0006272 , L0006267 , L0006268 , L0006269 , L0006270 , L0006271 ,
 , L0006273 , L0006274 , ,

L0006280 , L0006275 , L0006276 , L0006277 , L0006278 , L0006279 ,
 , L0006281 , L0006282 , ,

L0006288 , L0006283 , L0006284 , L0006285 , L0006286 , L0006287 ,
 , L0006289 , L0006290 , ,

L0006296 , L0006291 , L0006292 , L0006293 , L0006294 , L0006295 ,
 , L0006297 , L0006298 , ,

L0006304 , L0006299 , L0006300 , L0006301 , L0006302 , L0006303 ,
 , L0006305 , L0006306 , ,

L0006312 , L0006307 , L0006308 , L0006309 , L0006310 , L0006311 ,
 , L0006313 , L0006314 , ,

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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L0006320 , L0006315 , L0006316 , L0006317 , L0006318 , L0006319 , , L0006321 , L0006322 , ,	
L0006328 , L0006323 , L0006324 , L0006325 , L0006326 , L0006327 , , L0006329 , L0006330 , ,	
L0006336 , L0006331 , L0006332 , L0006333 , L0006334 , L0006335 , , L0006337 , L0006338 , ,	
L0006344 , L0006339 , L0006340 , L0006341 , L0006342 , L0006343 , , L0006345 , L0006346 , ,	

				CO		
L0006352	L0006347 , L0006353	, L0006348 , L0006354	, L0006349 ,	, L0006350	, L0006351	,
L0006360	L0006355 , L0006361	, L0006356 , L0006362	, L0006357 ,	, L0006358	, L0006359	,
L0006368	L0006363 , L0006369	, L0006364 , L0006370	, L0006365 ,	, L0006366	, L0006367	,
L0006376	L0006371 , L0006377	, L0006372 , L0006378	, L0006373 ,	, L0006374	, L0006375	,
L0006492	PAREA1 , L0006493	, PAREA2 , L0006494	, AREA1 ,	, AREA2	, L0006491	,
L0006500	L0006495 , L0006501	, L0006496 , L0006502	, L0006497 ,	, L0006498	, L0006499	,
L0006508	L0006503 , L0006509	, L0006504 , L0006510	, L0006505 ,	, L0006506	, L0006507	,
L0006516	L0006511 , L0006517	, L0006512 , L0006518	, L0006513 ,	, L0006514	, L0006515	,
L0006524	L0006519 , L0006525	, L0006520 , L0006526	, L0006521 ,	, L0006522	, L0006523	,
L0006532	L0006527 , L0006533	, L0006528 , L0006534	, L0006529 ,	, L0006530	, L0006531	,
L0006540	L0006535 , L0006541	, L0006536 , L0006542	, L0006537 ,	, L0006538	, L0006539	,
L0006548	L0006543 , L0006549	, L0006544 , L0006550	, L0006545 ,	, L0006546	, L0006547	,
L0006556	L0006551 , L0006557	, L0006552 , L0006558	, L0006553 ,	, L0006554	, L0006555	,
L0006564	L0006559 , L0006565	, L0006560 , L0006566	, L0006561 ,	, L0006562	, L0006563	,
L0006572	L0006567 , L0006573	, L0006568 , L0006574	, L0006569 ,	, L0006570	, L0006571	,
L0006580	L0006575 , L0006581	, L0006576 , L0006582	, L0006577 ,	, L0006578	, L0006579	,

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 ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID -----	SOURCE IDs -----					
L0006588	L0006583 , L0006589	, L0006584 , L0006590	, L0006585 ,	, L0006586 ,	, L0006587 ,	,
L0006596	L0006591 , L0006597	, L0006592 , L0006598	, L0006593 ,	, L0006594 ,	, L0006595 ,	,
L0006604	L0006599 , L0006605	, L0006600 , L0006606	, L0006601 ,	, L0006602 ,	, L0006603 ,	,
L0006612	L0006607 , L0006613	, L0006608 , L0006614	, L0006609 ,	, L0006610 ,	, L0006611 ,	,
L0006620	L0006615 , L0006621	, L0006616 , L0006622	, L0006617 ,	, L0006618 ,	, L0006619 ,	,
L0006628	L0006623 , L0006629	, L0006624 , L0006630	, L0006625 ,	, L0006626 ,	, L0006627 ,	,
L0006636	L0006631 , L0006637	, L0006632 , L0006638	, L0006633 ,	, L0006634 ,	, L0006635 ,	,
L0006644	L0006639 , L0006645	, L0006640 , L0006646	, L0006641 ,	, L0006642 ,	, L0006643 ,	,
L0006652	L0006647 , L0006653	, L0006648 , L0006654	, L0006649 ,	, L0006650 ,	, L0006651 ,	,
L0006660	L0006655 , L0006661	, L0006656 , L0006662	, L0006657 ,	, L0006658 ,	, L0006659 ,	,
L0006668	L0006663 , L0006669	, L0006664 , L0006670	, L0006665 ,	, L0006666 ,	, L0006667 ,	,

CO

L0006676 , L0006671 , L0006672 , L0006673 , L0006674 , L0006675 ,
 , L0006677 , L0006678 , ,

L0006684 , L0006679 , L0006680 , L0006681 , L0006682 , L0006683 ,
 , L0006685 , L0006686 , ,

L0006692 , L0006687 , L0006688 , L0006689 , L0006690 , L0006691 ,
 , L0006693 , L0006694 , ,

L0006700 , L0006695 , L0006696 , L0006697 , L0006698 , L0006699 ,
 , L0006701 , L0006702 , ,

L0006708 , L0006703 , L0006704 , L0006705 , L0006706 , L0006707 ,
 , L0006709 , L0006710 , ,

L0006716 , L0006711 , L0006712 , L0006713 , L0006714 , L0006715 ,
 , L0006717 , L0006718 , ,

L0006724 , L0006719 , L0006720 , L0006721 , L0006722 , L0006723 ,
 , L0006725 , L0006726 , ,

L0006727 , L0006728 , L0006729 , L0006730 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
 *** 13:51:59

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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0006159	2100516.	L0006155	, L0006156	, L0006157	, L0006158	, L0006159	, L0006160
L0006162	, L0006161	, L0006162	, L0006163	, L0006164	, L0006165	, L0006166	, L0006167
L0006168	L0006163	, L0006164	, L0006165	, L0006166	, L0006167	, L0006168	, L0006169
L0006176	, L0006169	, L0006170	, L0006171	, L0006172	, L0006173	, L0006174	, L0006175
L0006176	L0006171	, L0006172	, L0006173	, L0006174	, L0006175	, L0006176	, L0006177
L0006176	, L0006177	, L0006178	, L0006179	, L0006180	, L0006181	, L0006182	, L0006183

			CO			
L0006184	L0006179 , L0006185	, L0006180 , L0006186	, L0006181 ,	, L0006182	, L0006183	,
L0006192	L0006187 , L0006193	, L0006188 , L0006194	, L0006189 ,	, L0006190	, L0006191	,
L0006200	L0006195 , L0006201	, L0006196 , L0006202	, L0006197 ,	, L0006198	, L0006199	,
L0006208	L0006203 , L0006209	, L0006204 , L0006210	, L0006205 ,	, L0006206	, L0006207	,
L0006216	L0006211 , L0006217	, L0006212 , L0006218	, L0006213 ,	, L0006214	, L0006215	,
L0006224	L0006219 , L0006225	, L0006220 , L0006226	, L0006221 ,	, L0006222	, L0006223	,
L0006232	L0006227 , L0006233	, L0006228 , L0006234	, L0006229 ,	, L0006230	, L0006231	,
L0006240	L0006235 , L0006241	, L0006236 , L0006242	, L0006237 ,	, L0006238	, L0006239	,
L0006248	L0006243 , L0006249	, L0006244 , L0006250	, L0006245 ,	, L0006246	, L0006247	,
L0006256	L0006251 , L0006257	, L0006252 , L0006258	, L0006253 ,	, L0006254	, L0006255	,
L0006264	L0006259 , L0006265	, L0006260 , L0006266	, L0006261 ,	, L0006262	, L0006263	,
L0006272	L0006267 , L0006273	, L0006268 , L0006274	, L0006269 ,	, L0006270	, L0006271	,
L0006280	L0006275 , L0006281	, L0006276 , L0006282	, L0006277 ,	, L0006278	, L0006279	,
L0006288	L0006283 , L0006289	, L0006284 , L0006290	, L0006285 ,	, L0006286	, L0006287	,
L0006296	L0006291 , L0006297	, L0006292 , L0006298	, L0006293 ,	, L0006294	, L0006295	,
L0006304	L0006299 , L0006305	, L0006300 , L0006306	, L0006301 ,	, L0006302	, L0006303	,

CO
 L0006307 , L0006308 , L0006309 , L0006310 , L0006311 ,
 L0006312 , L0006313 , L0006314 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0006320	L0006315 , L0006321	L0006316 , L0006317 , L0006318 , L0006319 ,
L0006328	L0006323 , L0006329	L0006324 , L0006325 , L0006326 , L0006327 ,
L0006336	L0006331 , L0006337	L0006332 , L0006333 , L0006334 , L0006335 ,
L0006344	L0006339 , L0006345	L0006340 , L0006341 , L0006342 , L0006343 ,
L0006352	L0006347 , L0006353	L0006348 , L0006349 , L0006350 , L0006351 ,
L0006360	L0006355 , L0006361	L0006356 , L0006357 , L0006358 , L0006359 ,
L0006368	L0006363 , L0006369	L0006364 , L0006365 , L0006366 , L0006367 ,
L0006376	L0006371 , L0006377	L0006372 , L0006373 , L0006374 , L0006375 ,
L0006492	PAREA1 , L0006493	PAREA2 , AREA1 , AREA2 , L0006491 ,
L0006500	L0006495 , L0006501	L0006496 , L0006497 , L0006498 , L0006499 ,

CO

L0006508 L0006503 , L0006504 , L0006505 , L0006506 , L0006507 ,
 , L0006509 , L0006510 ,

L0006516 L0006511 , L0006512 , L0006513 , L0006514 , L0006515 ,
 , L0006517 , L0006518 ,

L0006524 L0006519 , L0006520 , L0006521 , L0006522 , L0006523 ,
 , L0006525 , L0006526 ,

L0006532 L0006527 , L0006528 , L0006529 , L0006530 , L0006531 ,
 , L0006533 , L0006534 ,

L0006540 L0006535 , L0006536 , L0006537 , L0006538 , L0006539 ,
 , L0006541 , L0006542 ,

L0006548 L0006543 , L0006544 , L0006545 , L0006546 , L0006547 ,
 , L0006549 , L0006550 ,

L0006556 L0006551 , L0006552 , L0006553 , L0006554 , L0006555 ,
 , L0006557 , L0006558 ,

L0006564 L0006559 , L0006560 , L0006561 , L0006562 , L0006563 ,
 , L0006565 , L0006566 ,

L0006572 L0006567 , L0006568 , L0006569 , L0006570 , L0006571 ,
 , L0006573 , L0006574 ,

L0006580 L0006575 , L0006576 , L0006577 , L0006578 , L0006579 ,
 , L0006581 , L0006582 ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\CO\CO.isc *** 01/28/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0006588 L0006583 , L0006584 , L0006585 , L0006586 , L0006587 ,
 , L0006589 , L0006590 ,

			CO			
L0006596	L0006591 , L0006597	, L0006592 , L0006598	, L0006593 ,	, L0006594	, L0006595	,
L0006604	L0006599 , L0006605	, L0006600 , L0006606	, L0006601 ,	, L0006602	, L0006603	,
L0006612	L0006607 , L0006613	, L0006608 , L0006614	, L0006609 ,	, L0006610	, L0006611	,
L0006620	L0006615 , L0006621	, L0006616 , L0006622	, L0006617 ,	, L0006618	, L0006619	,
L0006628	L0006623 , L0006629	, L0006624 , L0006630	, L0006625 ,	, L0006626	, L0006627	,
L0006636	L0006631 , L0006637	, L0006632 , L0006638	, L0006633 ,	, L0006634	, L0006635	,
L0006644	L0006639 , L0006645	, L0006640 , L0006646	, L0006641 ,	, L0006642	, L0006643	,
L0006652	L0006647 , L0006653	, L0006648 , L0006654	, L0006649 ,	, L0006650	, L0006651	,
L0006660	L0006655 , L0006661	, L0006656 , L0006662	, L0006657 ,	, L0006658	, L0006659	,
L0006668	L0006663 , L0006669	, L0006664 , L0006670	, L0006665 ,	, L0006666	, L0006667	,
L0006676	L0006671 , L0006677	, L0006672 , L0006678	, L0006673 ,	, L0006674	, L0006675	,
L0006684	L0006679 , L0006685	, L0006680 , L0006686	, L0006681 ,	, L0006682	, L0006683	,
L0006692	L0006687 , L0006693	, L0006688 , L0006694	, L0006689 ,	, L0006690	, L0006691	,
L0006700	L0006695 , L0006701	, L0006696 , L0006702	, L0006697 ,	, L0006698	, L0006699	,
L0006708	L0006703 , L0006709	, L0006704 , L0006710	, L0006705 ,	, L0006706	, L0006707	,
L0006716	L0006711 , L0006717	, L0006712 , L0006718	, L0006713 ,	, L0006714	, L0006715	,

CO
L0006719 , L0006720 , L0006721 , L0006722 , L0006723 ,
L0006724 , L0006725 , L0006726 ,

L0006727 , L0006728 , L0006729 , L0006730 ,
♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(474747.9, 3745949.7, 510.2, 517.0, 0.0); (474784.6,
3745949.7, 504.4, 521.0, 0.0);
(474821.2, 3745949.7, 500.6, 523.0, 0.0); (474857.9,
3745949.7, 499.4, 517.0, 0.0);
(474894.6, 3745949.7, 498.2, 498.2, 0.0); (474931.2,
3745949.7, 496.0, 496.0, 0.0);
(474967.9, 3745949.7, 494.7, 494.7, 0.0); (475004.6,
3745949.7, 493.0, 493.0, 0.0);
(475041.3, 3745949.7, 489.9, 489.9, 0.0); (475077.9,
3745949.7, 487.2, 487.2, 0.0);
(475114.6, 3745949.7, 486.9, 486.9, 0.0); (475151.3,
3745949.7, 486.4, 486.4, 0.0);
(475187.9, 3745949.7, 486.4, 486.4, 0.0); (475224.6,
3745949.7, 483.6, 483.6, 0.0);
(475261.3, 3745949.7, 482.0, 482.0, 0.0); (475298.0,
3745949.7, 480.7, 480.7, 0.0);
(475334.6, 3745949.7, 479.5, 479.5, 0.0); (475371.3,
3745949.7, 478.3, 478.3, 0.0);
(475408.0, 3745949.7, 478.0, 478.0, 0.0); (475444.6,
3745949.7, 476.0, 476.0, 0.0);
(475481.3, 3745949.7, 475.6, 475.6, 0.0); (474747.9,
3745959.5, 510.2, 517.0, 0.0);
(474784.6, 3745959.5, 504.1, 523.0, 0.0); (474821.2,
3745959.5, 500.3, 523.0, 0.0);
(474857.9, 3745959.5, 498.9, 519.0, 0.0); (474894.6,
3745959.5, 497.5, 497.5, 0.0);
(474931.2, 3745959.5, 495.6, 495.6, 0.0); (474967.9,
3745959.5, 494.4, 494.4, 0.0);
(475004.6, 3745959.5, 492.7, 492.7, 0.0); (475041.3,
3745959.5, 489.8, 489.8, 0.0);
(475077.9, 3745959.5, 487.4, 487.4, 0.0); (475114.6,
3745959.5, 486.9, 486.9, 0.0);

													CO	
YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.			9.1	279.9	5.5							
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.			9.1	279.2	5.5							
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.			9.1	277.5	5.5							
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.			9.1	277.5	5.5							
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.			9.1	278.8	5.5							
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.			9.1	277.5	5.5							
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.			9.1	278.1	5.5							
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.			9.1	277.5	5.5							
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.			9.1	278.1	5.5							
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.			9.1	281.4	5.5							
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23	0.50	95.			9.1	284.9	5.5							
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22	1.30	94.			9.1	288.1	5.5							
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	
0.22	2.20	24.			9.1	291.4	5.5							
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	
0.23	3.60	13.			9.1	292.5	5.5							
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	
0.27	5.80	318.			9.1	292.0	5.5							
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00	
0.36	5.80	329.			9.1	291.4	5.5							
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00	
0.64	4.50	333.			9.1	289.9	5.5							
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00	
1.00	3.60	305.			9.1	288.8	5.5							
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00	
1.00	4.50	276.			9.1	287.5	5.5							
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00	
1.00	3.60	323.			9.1	287.5	5.5							
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00	
1.00	4.00	322.			9.1	288.1	5.5							
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00	
1.00	4.50	30.			9.1	288.1	5.5							

```

                                CO
07 01 01  1 23 -39.7  0.377 -9.000 -9.000 -999.  557.   115.4  0.19  1.00
1.00    4.00 343.   9.1 287.0   5.5
07 01 01  1 24  -7.7  0.093 -9.000 -9.000 -999.  215.    9.1  0.19  1.00
1.00    1.80 155.   9.1 283.8   5.5

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
07 01 01 01    5.5 0 -999.  -99.00  279.9   99.0 -99.00 -99.00
07 01 01 01    9.1 1 133.   0.50 -999.0   99.0 -99.00 -99.00

```

F indicates top of profile (=1) or below (=0)

```

♀ *** AERMOD - VERSION 15181 ***    *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\CO\CO.isc          ***    01/28/16
*** AERMET - VERSION 14134 ***    ***
***                               ***    13:51:59

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
                                INCLUDING SOURCE(S):  L0006155 , L0006156
, L0006157 , L0006158 , L0006159 ,
, L0006165 , L0006166 , L0006161 , L0006162 , L0006163 , L0006164
, L0006173 , L0006174 , L0006167 , L0006168 , L0006169 , L0006170 , L0006171 , L0006172
, L0006181 , L0006176 , L0006177 , L0006178 , L0006179 , L0006180
, L0006182 , . . . ,

```

*** 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)
-----
474747.90 3745949.70 9.19456 (07071421) 474784.57
3745949.70 11.27265 (10082502)
474821.24 3745949.70 12.41571 (08080402) 474857.91
3745949.70 10.04763 (09082923)
474894.58 3745949.70 10.14397 (08062122) 474931.25
3745949.70 10.61007 (07090104)
474967.92 3745949.70 12.70769 (07090321) 475004.59

```

CO

3745949.70	15.09383	(07081722)		
475041.26	3745949.70	15.32755	(07081602)	475077.93
3745949.70	12.12605	(10071502)		
475114.60	3745949.70	13.88274	(09090106)	475151.27
3745949.70	15.46699	(09062922)		
475187.94	3745949.70	13.96315	(07083102)	475224.61
3745949.70	11.44629	(11070624)		
475261.28	3745949.70	9.99103	(09072001)	475297.95
3745949.70	9.13992	(09071923)		
475334.62	3745949.70	9.15968	(09121416)	475371.29
3745949.70	13.22538	(09121416)		
475407.96	3745949.70	15.62681	(07081601)	475444.63
3745949.70	14.13799	(09090202)		
475481.30	3745949.70	10.05163	(09071923)	474747.90
3745959.54	10.02677	(07071421)		
474784.57	3745959.54	12.55324	(07081624)	474821.24
3745959.54	13.92154	(09090202)		
474857.91	3745959.54	10.57028	(09082923)	474894.58
3745959.54	10.37187	(08062122)		
474931.25	3745959.54	10.99311	(07090221)	474967.92
3745959.54	13.45157	(07083002)		
475004.59	3745959.54	16.93057	(07081722)	475041.26
3745959.54	17.23933	(07081602)		
475077.93	3745959.54	12.92259	(10071502)	475114.60
3745959.54	15.39713	(10071702)		
475151.27	3745959.54	17.53866	(09062922)	475187.94
3745959.54	15.25177	(07090206)		
475224.61	3745959.54	12.07363	(09062921)	475261.28
3745959.54	10.40915	(07090201)		
475297.95	3745959.54	9.42611	(07072322)	475334.62
3745959.54	9.67812	(09121416)		
475371.29	3745959.54	15.75922	(09121416)	475407.96
3745959.54	17.82870	(07081601)		
475444.63	3745959.54	15.88528	(09090202)	475481.30
3745959.54	11.24970	(07072322)		
475854.15	3746316.72	3.89407	(08080904)	475863.29
3746274.18	4.07165	(10071623)		
474664.93	3746299.89	8.88883	(07052721)	474662.05
3746153.15	12.32526	(11070921)		
474663.49	3746227.96	12.20772	(07061821)	474771.38
3745956.06	10.47936	(10071702)		
474870.65	3745958.94	9.97345	(10082324)	474997.25
3745954.62	15.40684	(07090203)		
475493.57	3746291.26	12.08680	(11082822)	475487.82
3746194.87	14.09317	(08061823)		
475489.25	3746118.62	13.57465	(07080223)	475487.82
3746026.55	13.21226	(07090122)		
475487.82	3745983.39	12.51969	(07081522)	475983.57

CO

3745850.62	3.24210	(07081701)		
475666.25	3746386.09		4.30726	(07090301) 475458.03
3746392.70	6.17570	(07083124)		
475552.78	3746390.49		4.72160	(08051822) 475922.95
3746380.58	3.31682	(10082624)		
475680.57	3746815.75		2.17129	(09092321) 475845.83
3746556.85	2.75497	(10071602)		
475854.15	3746316.72		3.89407	(08080904) 475863.29
3746274.18	4.07165	(10071623)		

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\CO\CO.isc *** 01/28/16
*** AERMET - VERSION 14134 ***
*** 13:51:59

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0006155 , L0006156
, L0006157 , L0006158 , L0006159 ,
, L0006160 , L0006161 , L0006162 , L0006163 , L0006164
, L0006165 , L0006166 , L0006167 ,
, L0006168 , L0006169 , L0006170 , L0006171 , L0006172
, L0006173 , L0006174 , L0006175 ,
, L0006176 , L0006177 , L0006178 , L0006179 , L0006180
, L0006181 , L0006182 , . . . ,

*** 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)			
474747.90	3745949.70	4.82858	(07071508)	474784.57	
3745949.70	6.29897	(11010124)			
474821.24	3745949.70	7.40930	(09050508)	474857.91	
3745949.70	6.44071	(09050508)			
474894.58	3745949.70	5.60363	(08122424)	474931.25	
3745949.70	6.11071	(08122424)			
474967.92	3745949.70	7.20093	(07111824)	475004.59	
3745949.70	8.67773	(07111824)			
475041.26	3745949.70	9.41810	(07111724)	475077.93	
3745949.70	8.85588	(07111724)			

		CO		
475114.60	3745949.70	8.87259	(07110524)	475151.27
3745949.70	10.65074 (07111724)			
475187.94	3745949.70	9.69069	(09121708)	475224.61
3745949.70	8.01491 (08011024)			
475261.28	3745949.70	6.79229	(07102724)	475297.95
3745949.70	6.39790 (07102724)			
475334.62	3745949.70	6.16908	(07102724)	475371.29
3745949.70	7.61611 (07111824)			
475407.96	3745949.70	9.20747	(07111724)	475444.63
3745949.70	9.53540 (07111724)			
475481.30	3745949.70	7.10667	(08011024)	474747.90
3745959.54	5.07981 (07071508)			
474784.57	3745959.54	6.79825	(07111824)	474821.24
3745959.54	8.59230 (09050508)			
474857.91	3745959.54	6.78869	(09121708)	474894.58
3745959.54	5.90081 (09112608)			
474931.25	3745959.54	6.47136	(08122424)	474967.92
3745959.54	7.67782 (07111824)			
475004.59	3745959.54	9.70070	(07111824)	475041.26
3745959.54	10.83270 (07111724)			
475077.93	3745959.54	9.50702	(07111724)	475114.60
3745959.54	9.85091 (07111824)			
475151.27	3745959.54	12.19352	(07111724)	475187.94
3745959.54	10.49458 (09121708)			
475224.61	3745959.54	8.42214	(08011024)	475261.28
3745959.54	7.30124 (07102724)			
475297.95	3745959.54	6.78768	(07102724)	475334.62
3745959.54	6.59906 (07102724)			
475371.29	3745959.54	8.70397	(07111824)	475407.96
3745959.54	10.96976 (07111724)			
475444.63	3745959.54	10.93464	(07111724)	475481.30
3745959.54	7.74506 (07102724)			
475854.15	3746316.72	1.52463b	(10020708)	475863.29
3746274.18	1.49802 (07110808)			
474664.93	3746299.89	6.31200	(07121908)	474662.05
3746153.15	6.91088 (09120308)			
474663.49	3746227.96	6.50537	(09120308)	474771.38
3745956.06	6.23810 (11010124)			
474870.65	3745958.94	6.20420	(08122924)	474997.25
3745954.62	8.89906 (07111824)			
475493.57	3746291.26	8.82737	(09120208)	475487.82
3746194.87	9.33578 (09112008)			
475489.25	3746118.62	9.18680	(07102724)	475487.82
3746026.55	9.42810 (07102724)			
475487.82	3745983.39	8.85052	(07102724)	475983.57
3745850.62	1.41965 (07121608)			
475666.25	3746386.09	2.25019	(09112008)	475458.03
3746392.70	4.34115 (09120208)			

			CO	
475552.78	3746390.49	3.14457	(09112008)	475922.95
3746380.58	1.30635b (10020708)			
475680.57	3746815.75	1.16616	(09030708)	475845.83
3746556.85	1.22869 (09111508)			
475854.15	3746316.72	1.52463b	(10020708)	475863.29
3746274.18	1.49802 (07110808)			

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**MODELOPTs: RegDEFAULT CONC PAGE 27
ELEV URBAN

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF CO IN MICROGRAMS/M**3
**

GROUP ID	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

ALL HIGH 1ST HIGH VALUE IS 17.82870 ON 07081601: AT (475407.96,
3745959.54, 478.02, 478.02, 0.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\CO\CO.isc *** 01/28/16
*** AERMET - VERSION 14134 ***
*** 13:51:59

**MODELOPTs: RegDEFAULT CONC PAGE 28
ELEV URBAN

*** THE SUMMARY OF HIGHEST 8-HR

RESULTS ***

CO
** CONC OF CO IN MICROGRAMS/M**3

**

GROUP ID	AVERAGE CONC	NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	(YYMMDDHH)	

ALL HIGH 1ST HIGH VALUE IS 12.19352 ON 07111724: AT (475151.27,
3745959.54, 486.89, 486.89, 0.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\CO\CO.isc *** 01/28/16
*** AERMET - VERSION 14134 ***
*** 13:51:59

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 1294 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

CO

*** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 1/28/2016
** File: C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\NO2\NO2.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\NO2\NO2.isc
MODELOPT DFAULT CONC
AVERTIME 1 ANNUAL
URBANOPT 2100516
POLLUTID NO2
RUNORNOT RUN
ERRORFIL NO2.err

CO FINISHED

**

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

**

** -----
** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1
** DESCRSRC Idling Building E (West Side)
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.0122

CO

** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 2
** 474824.850, 3746236.554, 497.36, 4.00, 3.95
** 474820.373, 3745997.196, 500.21, 4.00, 3.95

** -----

LOCATION	VOLUME	474824.771	3746232.304	496.81
LOCATION L0006731	VOLUME	474824.771	3746232.304	496.81
LOCATION L0006732	VOLUME	474824.612	3746223.806	496.96
LOCATION L0006733	VOLUME	474824.453	3746215.307	497.11
LOCATION L0006734	VOLUME	474824.294	3746206.809	497.26
LOCATION L0006735	VOLUME	474824.135	3746198.310	497.40
LOCATION L0006736	VOLUME	474823.976	3746189.812	497.55
LOCATION L0006737	VOLUME	474823.817	3746181.313	498.12
LOCATION L0006738	VOLUME	474823.658	3746172.815	498.69
LOCATION L0006739	VOLUME	474823.499	3746164.316	499.26
LOCATION L0006740	VOLUME	474823.340	3746155.818	499.43
LOCATION L0006741	VOLUME	474823.181	3746147.319	499.19
LOCATION L0006742	VOLUME	474823.022	3746138.821	498.95
LOCATION L0006743	VOLUME	474822.863	3746130.322	498.72
LOCATION L0006744	VOLUME	474822.704	3746121.824	498.57
LOCATION L0006745	VOLUME	474822.545	3746113.325	498.42
LOCATION L0006746	VOLUME	474822.386	3746104.827	498.27
LOCATION L0006747	VOLUME	474822.227	3746096.328	498.18
LOCATION L0006748	VOLUME	474822.068	3746087.830	498.20
LOCATION L0006749	VOLUME	474821.909	3746079.331	498.21
LOCATION L0006750	VOLUME	474821.750	3746070.833	498.22
LOCATION L0006751	VOLUME	474821.591	3746062.334	498.48
LOCATION L0006752	VOLUME	474821.432	3746053.836	498.78
LOCATION L0006753	VOLUME	474821.273	3746045.337	499.07
LOCATION L0006754	VOLUME	474821.114	3746036.839	499.26
LOCATION L0006755	VOLUME	474820.955	3746028.340	499.27
LOCATION L0006756	VOLUME	474820.796	3746019.842	499.28
LOCATION L0006757	VOLUME	474820.637	3746011.343	499.29
LOCATION L0006758	VOLUME	474820.478	3746002.845	499.38

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Idling Building E (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0122

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475022.016, 3746232.412, 489.79, 4.00, 3.95

** 475017.538, 3745993.054, 491.56, 4.00, 3.95

CO

```

** -----
LOCATION L0006759      VOLUME  475021.937 3746228.162 489.89
LOCATION L0006760      VOLUME  475021.778 3746219.664 489.87
LOCATION L0006761      VOLUME  475021.619 3746211.165 489.61
LOCATION L0006762      VOLUME  475021.460 3746202.667 489.35
LOCATION L0006763      VOLUME  475021.301 3746194.168 489.09
LOCATION L0006764      VOLUME  475021.142 3746185.670 489.11
LOCATION L0006765      VOLUME  475020.983 3746177.171 489.39
LOCATION L0006766      VOLUME  475020.824 3746168.673 489.68
LOCATION L0006767      VOLUME  475020.665 3746160.174 489.97
LOCATION L0006768      VOLUME  475020.506 3746151.676 489.71
LOCATION L0006769      VOLUME  475020.347 3746143.177 489.43
LOCATION L0006770      VOLUME  475020.188 3746134.679 489.15
LOCATION L0006771      VOLUME  475020.029 3746126.180 489.13
LOCATION L0006772      VOLUME  475019.870 3746117.682 489.41
LOCATION L0006773      VOLUME  475019.711 3746109.183 489.70
LOCATION L0006774      VOLUME  475019.552 3746100.685 489.99
LOCATION L0006775      VOLUME  475019.393 3746092.186 490.02
LOCATION L0006776      VOLUME  475019.234 3746083.688 490.03
LOCATION L0006777      VOLUME  475019.075 3746075.189 490.03
LOCATION L0006778      VOLUME  475018.916 3746066.691 490.04
LOCATION L0006779      VOLUME  475018.757 3746058.192 490.06
LOCATION L0006780      VOLUME  475018.598 3746049.694 490.08
LOCATION L0006781      VOLUME  475018.439 3746041.195 490.10
LOCATION L0006782      VOLUME  475018.280 3746032.697 490.34
LOCATION L0006783      VOLUME  475018.121 3746024.198 490.62
LOCATION L0006784      VOLUME  475017.962 3746015.700 490.89
LOCATION L0006785      VOLUME  475017.803 3746007.201 491.08
LOCATION L0006786      VOLUME  475017.644 3745998.702 491.11

```

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Idling Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.01542

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

** -----

```

LOCATION L0006787      VOLUME  475163.701 3746225.768 485.02
LOCATION L0006788      VOLUME  475163.542 3746217.269 485.14
LOCATION L0006789      VOLUME  475163.383 3746208.771 484.93
LOCATION L0006790      VOLUME  475163.224 3746200.272 484.72

```

CO

LOCATION	VOLUME				
L0006791	475163.065	3746191.774	484.51		
L0006792	475162.906	3746183.275	484.64		
L0006793	475162.747	3746174.777	484.87		
L0006794	475162.588	3746166.278	485.09		
L0006795	475162.429	3746157.780	485.25		
L0006796	475162.270	3746149.281	485.26		
L0006797	475162.111	3746140.783	485.26		
L0006798	475161.953	3746132.284	485.27		
L0006799	475161.794	3746123.785	485.48		
L0006800	475161.635	3746115.287	485.77		
L0006801	475161.476	3746106.788	486.06		
L0006802	475161.317	3746098.290	486.29		
L0006803	475161.158	3746089.791	486.29		
L0006804	475160.999	3746081.293	486.30		
L0006805	475160.840	3746072.794	486.31		
L0006806	475160.681	3746064.296	486.50		
L0006807	475160.522	3746055.797	486.79		
L0006808	475160.363	3746047.299	487.08		
L0006809	475160.204	3746038.800	487.35		
L0006810	475160.045	3746030.302	487.55		
L0006811	475159.886	3746021.803	487.74		
L0006812	475159.727	3746013.305	487.93		
L0006813	475159.568	3746004.806	488.00		
L0006814	475159.409	3745996.308	488.00		

** End of LINE VOLUME Source ID = SLINE3

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Idling Building D (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.01542

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

**

L0006815	475392.153	3746219.541	477.59		
L0006816	475391.994	3746211.043	477.60		
L0006817	475391.835	3746202.544	477.61		
L0006818	475391.676	3746194.046	477.61		
L0006819	475391.517	3746185.547	477.56		
L0006820	475391.358	3746177.049	477.46		
L0006821	475391.200	3746168.550	477.36		
L0006822	475391.041	3746160.052	477.26		
L0006823	475390.882	3746151.553	477.27		

CO

LOCATION L0006824	VOLUME	475390.723	3746143.055	477.29
LOCATION L0006825	VOLUME	475390.564	3746134.556	477.30
LOCATION L0006826	VOLUME	475390.405	3746126.058	477.35
LOCATION L0006827	VOLUME	475390.246	3746117.559	477.46
LOCATION L0006828	VOLUME	475390.087	3746109.061	477.56
LOCATION L0006829	VOLUME	475389.928	3746100.562	477.66
LOCATION L0006830	VOLUME	475389.769	3746092.064	477.67
LOCATION L0006831	VOLUME	475389.610	3746083.565	477.68
LOCATION L0006832	VOLUME	475389.451	3746075.067	477.68
LOCATION L0006833	VOLUME	475389.292	3746066.568	477.69
LOCATION L0006834	VOLUME	475389.133	3746058.070	477.70
LOCATION L0006835	VOLUME	475388.974	3746049.571	477.70
LOCATION L0006836	VOLUME	475388.815	3746041.073	477.71
LOCATION L0006837	VOLUME	475388.656	3746032.574	477.96
LOCATION L0006838	VOLUME	475388.497	3746024.076	478.25
LOCATION L0006839	VOLUME	475388.338	3746015.577	478.54
LOCATION L0006840	VOLUME	475388.179	3746007.079	478.73
LOCATION L0006841	VOLUME	475388.020	3745998.580	478.73
LOCATION L0006842	VOLUME	475387.861	3745990.082	478.74

** End of LINE VOLUME Source ID = SLINE4

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC On-Site Travel Building E (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.004477

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 474824.850, 3746236.554, 497.36, 4.00, 3.95

** 474820.373, 3745997.196, 500.21, 4.00, 3.95

**

LOCATION L0006843	VOLUME	474824.771	3746232.304	496.81
LOCATION L0006844	VOLUME	474824.612	3746223.806	496.96
LOCATION L0006845	VOLUME	474824.453	3746215.307	497.11
LOCATION L0006846	VOLUME	474824.294	3746206.809	497.26
LOCATION L0006847	VOLUME	474824.135	3746198.310	497.40
LOCATION L0006848	VOLUME	474823.976	3746189.812	497.55
LOCATION L0006849	VOLUME	474823.817	3746181.313	498.12
LOCATION L0006850	VOLUME	474823.658	3746172.815	498.69
LOCATION L0006851	VOLUME	474823.499	3746164.316	499.26
LOCATION L0006852	VOLUME	474823.340	3746155.818	499.43
LOCATION L0006853	VOLUME	474823.181	3746147.319	499.19
LOCATION L0006854	VOLUME	474823.022	3746138.821	498.95
LOCATION L0006855	VOLUME	474822.863	3746130.322	498.72
LOCATION L0006856	VOLUME	474822.704	3746121.824	498.57

CO

LOCATION L0006857	VOLUME	474822.545	3746113.325	498.42
LOCATION L0006858	VOLUME	474822.386	3746104.827	498.27
LOCATION L0006859	VOLUME	474822.227	3746096.328	498.18
LOCATION L0006860	VOLUME	474822.068	3746087.830	498.20
LOCATION L0006861	VOLUME	474821.909	3746079.331	498.21
LOCATION L0006862	VOLUME	474821.750	3746070.833	498.22
LOCATION L0006863	VOLUME	474821.591	3746062.334	498.48
LOCATION L0006864	VOLUME	474821.432	3746053.836	498.78
LOCATION L0006865	VOLUME	474821.273	3746045.337	499.07
LOCATION L0006866	VOLUME	474821.114	3746036.839	499.26
LOCATION L0006867	VOLUME	474820.955	3746028.340	499.27
LOCATION L0006868	VOLUME	474820.796	3746019.842	499.28
LOCATION L0006869	VOLUME	474820.637	3746011.343	499.29
LOCATION L0006870	VOLUME	474820.478	3746002.845	499.38

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC On-Site Travel Building E (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.004477

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475022.016, 3746232.412, 489.79, 4.00, 3.95

** 475017.538, 3745993.054, 491.56, 4.00, 3.95

** -----

LOCATION L0006871	VOLUME	475021.937	3746228.162	489.89
LOCATION L0006872	VOLUME	475021.778	3746219.664	489.87
LOCATION L0006873	VOLUME	475021.619	3746211.165	489.61
LOCATION L0006874	VOLUME	475021.460	3746202.667	489.35
LOCATION L0006875	VOLUME	475021.301	3746194.168	489.09
LOCATION L0006876	VOLUME	475021.142	3746185.670	489.11
LOCATION L0006877	VOLUME	475020.983	3746177.171	489.39
LOCATION L0006878	VOLUME	475020.824	3746168.673	489.68
LOCATION L0006879	VOLUME	475020.665	3746160.174	489.97
LOCATION L0006880	VOLUME	475020.506	3746151.676	489.71
LOCATION L0006881	VOLUME	475020.347	3746143.177	489.43
LOCATION L0006882	VOLUME	475020.188	3746134.679	489.15
LOCATION L0006883	VOLUME	475020.029	3746126.180	489.13
LOCATION L0006884	VOLUME	475019.870	3746117.682	489.41
LOCATION L0006885	VOLUME	475019.711	3746109.183	489.70
LOCATION L0006886	VOLUME	475019.552	3746100.685	489.99
LOCATION L0006887	VOLUME	475019.393	3746092.186	490.02
LOCATION L0006888	VOLUME	475019.234	3746083.688	490.03
LOCATION L0006889	VOLUME	475019.075	3746075.189	490.03

CO

LOCATION L0006890	VOLUME	475018.916	3746066.691	490.04
LOCATION L0006891	VOLUME	475018.757	3746058.192	490.06
LOCATION L0006892	VOLUME	475018.598	3746049.694	490.08
LOCATION L0006893	VOLUME	475018.439	3746041.195	490.10
LOCATION L0006894	VOLUME	475018.280	3746032.697	490.34
LOCATION L0006895	VOLUME	475018.121	3746024.198	490.62
LOCATION L0006896	VOLUME	475017.962	3746015.700	490.89
LOCATION L0006897	VOLUME	475017.803	3746007.201	491.08
LOCATION L0006898	VOLUME	475017.644	3745998.702	491.11

** End of LINE VOLUME Source ID = SLINE6

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Travel Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.005659

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

** -----

LOCATION L0006899	VOLUME	475163.701	3746225.768	485.02
LOCATION L0006900	VOLUME	475163.542	3746217.269	485.14
LOCATION L0006901	VOLUME	475163.383	3746208.771	484.93
LOCATION L0006902	VOLUME	475163.224	3746200.272	484.72
LOCATION L0006903	VOLUME	475163.065	3746191.774	484.51
LOCATION L0006904	VOLUME	475162.906	3746183.275	484.64
LOCATION L0006905	VOLUME	475162.747	3746174.777	484.87
LOCATION L0006906	VOLUME	475162.588	3746166.278	485.09
LOCATION L0006907	VOLUME	475162.429	3746157.780	485.25
LOCATION L0006908	VOLUME	475162.270	3746149.281	485.26
LOCATION L0006909	VOLUME	475162.111	3746140.783	485.26
LOCATION L0006910	VOLUME	475161.953	3746132.284	485.27
LOCATION L0006911	VOLUME	475161.794	3746123.785	485.48
LOCATION L0006912	VOLUME	475161.635	3746115.287	485.77
LOCATION L0006913	VOLUME	475161.476	3746106.788	486.06
LOCATION L0006914	VOLUME	475161.317	3746098.290	486.29
LOCATION L0006915	VOLUME	475161.158	3746089.791	486.29
LOCATION L0006916	VOLUME	475160.999	3746081.293	486.30
LOCATION L0006917	VOLUME	475160.840	3746072.794	486.31
LOCATION L0006918	VOLUME	475160.681	3746064.296	486.50
LOCATION L0006919	VOLUME	475160.522	3746055.797	486.79
LOCATION L0006920	VOLUME	475160.363	3746047.299	487.08
LOCATION L0006921	VOLUME	475160.204	3746038.800	487.35
LOCATION L0006922	VOLUME	475160.045	3746030.302	487.55

CO

LOCATION L0006923	VOLUME	475159.886	3746021.803	487.74
LOCATION L0006924	VOLUME	475159.727	3746013.305	487.93
LOCATION L0006925	VOLUME	475159.568	3746004.806	488.00
LOCATION L0006926	VOLUME	475159.409	3745996.308	488.00

** End of LINE VOLUME Source ID = SLINE7

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Travel Building D (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.005659

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

**

LOCATION L0006927	VOLUME	475392.153	3746219.541	477.59
LOCATION L0006928	VOLUME	475391.994	3746211.043	477.60
LOCATION L0006929	VOLUME	475391.835	3746202.544	477.61
LOCATION L0006930	VOLUME	475391.676	3746194.046	477.61
LOCATION L0006931	VOLUME	475391.517	3746185.547	477.56
LOCATION L0006932	VOLUME	475391.358	3746177.049	477.46
LOCATION L0006933	VOLUME	475391.200	3746168.550	477.36
LOCATION L0006934	VOLUME	475391.041	3746160.052	477.26
LOCATION L0006935	VOLUME	475390.882	3746151.553	477.27
LOCATION L0006936	VOLUME	475390.723	3746143.055	477.29
LOCATION L0006937	VOLUME	475390.564	3746134.556	477.30
LOCATION L0006938	VOLUME	475390.405	3746126.058	477.35
LOCATION L0006939	VOLUME	475390.246	3746117.559	477.46
LOCATION L0006940	VOLUME	475390.087	3746109.061	477.56
LOCATION L0006941	VOLUME	475389.928	3746100.562	477.66
LOCATION L0006942	VOLUME	475389.769	3746092.064	477.67
LOCATION L0006943	VOLUME	475389.610	3746083.565	477.68
LOCATION L0006944	VOLUME	475389.451	3746075.067	477.68
LOCATION L0006945	VOLUME	475389.292	3746066.568	477.69
LOCATION L0006946	VOLUME	475389.133	3746058.070	477.70
LOCATION L0006947	VOLUME	475388.974	3746049.571	477.70
LOCATION L0006948	VOLUME	475388.815	3746041.073	477.71
LOCATION L0006949	VOLUME	475388.656	3746032.574	477.96
LOCATION L0006950	VOLUME	475388.497	3746024.076	478.25
LOCATION L0006951	VOLUME	475388.338	3746015.577	478.54
LOCATION L0006952	VOLUME	475388.179	3746007.079	478.73
LOCATION L0006953	VOLUME	475388.020	3745998.580	478.73
LOCATION L0006954	VOLUME	475387.861	3745990.082	478.74

** End of LINE VOLUME Source ID = SLINE8


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                                CO
LOCATION PAREA1      AREAPOLY  474745.374  3746237.975      502.460
** DESCRSRC Yard Tractors Building E (West Side)
LOCATION PAREA2      AREAPOLY  475006.383  3746235.194      490.450
** DESCRSRC Yard Tractors Building E (East Side)
LOCATION AREA1       AREA      475113.660  3745988.060      487.360
** DESCRSRC Yard Tractors Building E (West Side)
LOCATION AREA2       AREA      475380.860  3745968.940      478.610
** DESCRSRC Yard Tractors Building D (East Side)
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC On-Site Idling Building D - Passenger Cars
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.0004127
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 36
** 475444.211, 3746318.914, 474.96, 0.00, 3.95
** 475433.973, 3746293.986, 475.37, 0.00, 3.95
** 475425.070, 3746286.864, 475.62, 0.00, 3.95
** 475436.644, 3746279.742, 476.22, 0.00, 3.95
** 475460.236, 3746295.767, 475.15, 0.00, 3.95
** 475459.346, 3746304.224, 475.20, 0.00, 3.95
** 475471.364, 3746303.779, 474.79, 0.00, 3.95
** 475477.596, 3746301.999, 474.73, 0.00, 3.95
** 475476.261, 3746287.309, 474.88, 0.00, 3.95
** 475476.261, 3746263.717, 475.17, 0.00, 3.95
** 475475.816, 3746250.362, 475.06, 0.00, 3.95
** 475460.681, 3746246.801, 476.21, 0.00, 3.95
** 475433.528, 3746244.576, 476.58, 0.00, 3.95
** 475420.618, 3746249.027, 476.83, 0.00, 3.95
** 475423.289, 3746265.052, 476.17, 0.00, 3.95
** 475428.186, 3746274.400, 476.21, 0.00, 3.95
** 475425.960, 3746283.303, 475.56, 0.00, 3.95
** 475421.954, 3746285.974, 475.77, 0.00, 3.95
** 475414.832, 3746296.657, 475.92, 0.00, 3.95
** 475405.484, 3746298.437, 476.44, 0.00, 3.95
** 475385.452, 3746298.883, 476.91, 0.00, 3.95
** 475362.750, 3746302.444, 477.77, 0.00, 3.95
** 475328.920, 3746306.895, 478.86, 0.00, 3.95
** 475307.553, 3746306.895, 479.71, 0.00, 3.95
** 475280.399, 3746306.895, 480.66, 0.00, 3.95
** 475248.795, 3746305.560, 481.67, 0.00, 3.95
** 475221.641, 3746304.224, 482.60, 0.00, 3.95
** 475207.842, 3746301.999, 482.87, 0.00, 3.95
** 475185.585, 3746306.005, 483.73, 0.00, 3.95

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CO

** 475166.889, 3746301.108, 484.54, 0.00, 3.95
 ** 475158.431, 3746300.218, 484.71, 0.00, 3.95
 ** 475137.510, 3746301.108, 485.76, 0.00, 3.95
 ** 475129.052, 3746299.773, 486.02, 0.00, 3.95
 ** 475125.936, 3746289.980, 486.05, 0.00, 3.95
 ** 475128.162, 3746270.394, 485.72, 0.00, 3.95
 ** 475127.717, 3746259.265, 485.56, 0.00, 3.95

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LOCATION L0006955	VOLUME	475442.596	3746314.983	474.91
LOCATION L0006956	VOLUME	475439.367	3746307.120	475.02
LOCATION L0006957	VOLUME	475436.138	3746299.257	475.13
LOCATION L0006958	VOLUME	475431.785	3746292.236	475.27
LOCATION L0006959	VOLUME	475425.148	3746286.926	475.50
LOCATION L0006960	VOLUME	475432.224	3746282.461	475.26
LOCATION L0006961	VOLUME	475439.382	3746281.602	475.02
LOCATION L0006962	VOLUME	475446.414	3746286.378	474.95
LOCATION L0006963	VOLUME	475453.445	3746291.154	474.83
LOCATION L0006964	VOLUME	475460.205	3746296.056	474.64
LOCATION L0006965	VOLUME	475459.632	3746304.214	474.47
LOCATION L0006966	VOLUME	475468.126	3746303.899	474.25
LOCATION L0006967	VOLUME	475476.421	3746302.334	474.20
LOCATION L0006968	VOLUME	475476.937	3746294.751	474.39
LOCATION L0006969	VOLUME	475476.261	3746286.281	474.63
LOCATION L0006970	VOLUME	475476.261	3746277.781	474.81
LOCATION L0006971	VOLUME	475476.261	3746269.281	474.87
LOCATION L0006972	VOLUME	475476.163	3746260.783	474.93
LOCATION L0006973	VOLUME	475475.880	3746252.288	474.99
LOCATION L0006974	VOLUME	475469.417	3746248.857	475.06
LOCATION L0006975	VOLUME	475461.143	3746246.910	475.37
LOCATION L0006976	VOLUME	475452.682	3746246.146	475.63
LOCATION L0006977	VOLUME	475444.211	3746245.451	475.88
LOCATION L0006978	VOLUME	475435.739	3746244.757	476.02
LOCATION L0006979	VOLUME	475427.590	3746246.623	476.05
LOCATION L0006980	VOLUME	475420.804	3746250.138	476.00
LOCATION L0006981	VOLUME	475422.201	3746258.522	475.88
LOCATION L0006982	VOLUME	475424.162	3746266.717	475.74
LOCATION L0006983	VOLUME	475428.106	3746274.247	475.51
LOCATION L0006984	VOLUME	475426.166	3746282.479	475.46
LOCATION L0006985	VOLUME	475420.381	3746288.333	475.65
LOCATION L0006986	VOLUME	475415.666	3746295.405	475.81
LOCATION L0006987	VOLUME	475407.959	3746297.966	476.07
LOCATION L0006988	VOLUME	475399.505	3746298.570	476.35
LOCATION L0006989	VOLUME	475391.008	3746298.759	476.63
LOCATION L0006990	VOLUME	475382.544	3746299.339	476.92
LOCATION L0006991	VOLUME	475374.147	3746300.656	477.20
LOCATION L0006992	VOLUME	475365.750	3746301.973	477.48
LOCATION L0006993	VOLUME	475357.333	3746303.157	477.76
LOCATION L0006994	VOLUME	475348.906	3746304.265	478.01

CO

LOCATION L0006995	VOLUME	475340.478	3746305.374	478.05
LOCATION L0006996	VOLUME	475332.051	3746306.483	478.07
LOCATION L0006997	VOLUME	475323.578	3746306.895	478.09
LOCATION L0006998	VOLUME	475315.078	3746306.895	478.41
LOCATION L0006999	VOLUME	475306.578	3746306.895	478.95
LOCATION L0007000	VOLUME	475298.078	3746306.895	479.49
LOCATION L0007001	VOLUME	475289.578	3746306.895	480.01
LOCATION L0007002	VOLUME	475281.078	3746306.895	480.30
LOCATION L0007003	VOLUME	475272.585	3746306.565	480.58
LOCATION L0007004	VOLUME	475264.093	3746306.206	480.86
LOCATION L0007005	VOLUME	475255.600	3746305.847	481.15
LOCATION L0007006	VOLUME	475247.108	3746305.477	481.43
LOCATION L0007007	VOLUME	475238.619	3746305.059	481.71
LOCATION L0007008	VOLUME	475230.129	3746304.642	482.00
LOCATION L0007009	VOLUME	475221.639	3746304.224	482.28
LOCATION L0007010	VOLUME	475213.248	3746302.870	482.56
LOCATION L0007011	VOLUME	475204.865	3746302.534	482.84
LOCATION L0007012	VOLUME	475196.500	3746304.040	483.12
LOCATION L0007013	VOLUME	475188.134	3746305.546	483.40
LOCATION L0007014	VOLUME	475179.868	3746304.508	483.67
LOCATION L0007015	VOLUME	475171.645	3746302.354	483.95
LOCATION L0007016	VOLUME	475163.325	3746300.733	484.38
LOCATION L0007017	VOLUME	475154.856	3746300.370	484.85
LOCATION L0007018	VOLUME	475146.363	3746300.732	485.33
LOCATION L0007019	VOLUME	475137.871	3746301.093	485.80
LOCATION L0007020	VOLUME	475129.471	3746299.839	486.13
LOCATION L0007021	VOLUME	475126.603	3746292.077	486.12
LOCATION L0007022	VOLUME	475126.647	3746283.721	485.96
LOCATION L0007023	VOLUME	475127.607	3746275.275	485.76
LOCATION L0007024	VOLUME	475128.018	3746266.810	485.62

** End of LINE VOLUME Source ID = SLINE9

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC On-Site Travel Building D - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0002455

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 36

** 475444.211, 3746318.914, 474.96, 0.00, 3.95

** 475433.973, 3746293.986, 475.37, 0.00, 3.95

** 475425.070, 3746286.864, 475.62, 0.00, 3.95

** 475436.644, 3746279.742, 476.22, 0.00, 3.95

** 475460.236, 3746295.767, 475.15, 0.00, 3.95

** 475459.346, 3746304.224, 475.20, 0.00, 3.95

CO

** 475471.364, 3746303.779, 474.79, 0.00, 3.95
 ** 475477.596, 3746301.999, 474.73, 0.00, 3.95
 ** 475476.261, 3746287.309, 474.88, 0.00, 3.95
 ** 475476.261, 3746263.717, 475.17, 0.00, 3.95
 ** 475475.816, 3746250.362, 475.06, 0.00, 3.95
 ** 475460.681, 3746246.801, 476.21, 0.00, 3.95
 ** 475433.528, 3746244.576, 476.58, 0.00, 3.95
 ** 475420.618, 3746249.027, 476.83, 0.00, 3.95
 ** 475423.289, 3746265.052, 476.17, 0.00, 3.95
 ** 475428.186, 3746274.400, 476.21, 0.00, 3.95
 ** 475425.960, 3746283.303, 475.56, 0.00, 3.95
 ** 475421.954, 3746285.974, 475.77, 0.00, 3.95
 ** 475414.832, 3746296.657, 475.92, 0.00, 3.95
 ** 475405.484, 3746298.437, 476.44, 0.00, 3.95
 ** 475385.452, 3746298.883, 476.91, 0.00, 3.95
 ** 475362.750, 3746302.444, 477.77, 0.00, 3.95
 ** 475328.920, 3746306.895, 478.86, 0.00, 3.95
 ** 475307.553, 3746306.895, 479.71, 0.00, 3.95
 ** 475280.399, 3746306.895, 480.66, 0.00, 3.95
 ** 475248.795, 3746305.560, 481.67, 0.00, 3.95
 ** 475221.641, 3746304.224, 482.60, 0.00, 3.95
 ** 475207.842, 3746301.999, 482.87, 0.00, 3.95
 ** 475185.585, 3746306.005, 483.73, 0.00, 3.95
 ** 475166.889, 3746301.108, 484.54, 0.00, 3.95
 ** 475158.431, 3746300.218, 484.71, 0.00, 3.95
 ** 475137.510, 3746301.108, 485.76, 0.00, 3.95
 ** 475129.052, 3746299.773, 486.02, 0.00, 3.95
 ** 475125.936, 3746289.980, 486.05, 0.00, 3.95
 ** 475128.162, 3746270.394, 485.72, 0.00, 3.95
 ** 475127.717, 3746259.265, 485.56, 0.00, 3.95

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LOCATION L0007025	VOLUME	475442.596	3746314.983	474.91
LOCATION L0007026	VOLUME	475439.367	3746307.120	475.02
LOCATION L0007027	VOLUME	475436.138	3746299.257	475.13
LOCATION L0007028	VOLUME	475431.785	3746292.236	475.27
LOCATION L0007029	VOLUME	475425.148	3746286.926	475.50
LOCATION L0007030	VOLUME	475432.224	3746282.461	475.26
LOCATION L0007031	VOLUME	475439.382	3746281.602	475.02
LOCATION L0007032	VOLUME	475446.414	3746286.378	474.95
LOCATION L0007033	VOLUME	475453.445	3746291.154	474.83
LOCATION L0007034	VOLUME	475460.205	3746296.056	474.64
LOCATION L0007035	VOLUME	475459.632	3746304.214	474.47
LOCATION L0007036	VOLUME	475468.126	3746303.899	474.25
LOCATION L0007037	VOLUME	475476.421	3746302.334	474.20
LOCATION L0007038	VOLUME	475476.937	3746294.751	474.39
LOCATION L0007039	VOLUME	475476.261	3746286.281	474.63
LOCATION L0007040	VOLUME	475476.261	3746277.781	474.81
LOCATION L0007041	VOLUME	475476.261	3746269.281	474.87

CO

LOCATION L0007042	VOLUME	475476.163	3746260.783	474.93
LOCATION L0007043	VOLUME	475475.880	3746252.288	474.99
LOCATION L0007044	VOLUME	475469.417	3746248.857	475.06
LOCATION L0007045	VOLUME	475461.143	3746246.910	475.37
LOCATION L0007046	VOLUME	475452.682	3746246.146	475.63
LOCATION L0007047	VOLUME	475444.211	3746245.451	475.88
LOCATION L0007048	VOLUME	475435.739	3746244.757	476.02
LOCATION L0007049	VOLUME	475427.590	3746246.623	476.05
LOCATION L0007050	VOLUME	475420.804	3746250.138	476.00
LOCATION L0007051	VOLUME	475422.201	3746258.522	475.88
LOCATION L0007052	VOLUME	475424.162	3746266.717	475.74
LOCATION L0007053	VOLUME	475428.106	3746274.247	475.51
LOCATION L0007054	VOLUME	475426.166	3746282.479	475.46
LOCATION L0007055	VOLUME	475420.381	3746288.333	475.65
LOCATION L0007056	VOLUME	475415.666	3746295.405	475.81
LOCATION L0007057	VOLUME	475407.959	3746297.966	476.07
LOCATION L0007058	VOLUME	475399.505	3746298.570	476.35
LOCATION L0007059	VOLUME	475391.008	3746298.759	476.63
LOCATION L0007060	VOLUME	475382.544	3746299.339	476.92
LOCATION L0007061	VOLUME	475374.147	3746300.656	477.20
LOCATION L0007062	VOLUME	475365.750	3746301.973	477.48
LOCATION L0007063	VOLUME	475357.333	3746303.157	477.76
LOCATION L0007064	VOLUME	475348.906	3746304.265	478.01
LOCATION L0007065	VOLUME	475340.478	3746305.374	478.05
LOCATION L0007066	VOLUME	475332.051	3746306.483	478.07
LOCATION L0007067	VOLUME	475323.578	3746306.895	478.09
LOCATION L0007068	VOLUME	475315.078	3746306.895	478.41
LOCATION L0007069	VOLUME	475306.578	3746306.895	478.95
LOCATION L0007070	VOLUME	475298.078	3746306.895	479.49
LOCATION L0007071	VOLUME	475289.578	3746306.895	480.01
LOCATION L0007072	VOLUME	475281.078	3746306.895	480.30
LOCATION L0007073	VOLUME	475272.585	3746306.565	480.58
LOCATION L0007074	VOLUME	475264.093	3746306.206	480.86
LOCATION L0007075	VOLUME	475255.600	3746305.847	481.15
LOCATION L0007076	VOLUME	475247.108	3746305.477	481.43
LOCATION L0007077	VOLUME	475238.619	3746305.059	481.71
LOCATION L0007078	VOLUME	475230.129	3746304.642	482.00
LOCATION L0007079	VOLUME	475221.639	3746304.224	482.28
LOCATION L0007080	VOLUME	475213.248	3746302.870	482.56
LOCATION L0007081	VOLUME	475204.865	3746302.534	482.84
LOCATION L0007082	VOLUME	475196.500	3746304.040	483.12
LOCATION L0007083	VOLUME	475188.134	3746305.546	483.40
LOCATION L0007084	VOLUME	475179.868	3746304.508	483.67
LOCATION L0007085	VOLUME	475171.645	3746302.354	483.95
LOCATION L0007086	VOLUME	475163.325	3746300.733	484.38
LOCATION L0007087	VOLUME	475154.856	3746300.370	484.85
LOCATION L0007088	VOLUME	475146.363	3746300.732	485.33
LOCATION L0007089	VOLUME	475137.871	3746301.093	485.80

CO

LOCATION L0007090	VOLUME	475129.471	3746299.839	486.13
LOCATION L0007091	VOLUME	475126.603	3746292.077	486.12
LOCATION L0007092	VOLUME	475126.647	3746283.721	485.96
LOCATION L0007093	VOLUME	475127.607	3746275.275	485.76
LOCATION L0007094	VOLUME	475128.018	3746266.810	485.62

** End of LINE VOLUME Source ID = SLINE10

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE11

** DESCRSRC On-Site Idling Building E - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0003264

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 7

** 475033.115, 3746319.529, 489.72, 0.00, 0.00

** 475031.535, 3746319.924, 489.78, 0.00, 3.95

** 475032.522, 3746303.925, 489.78, 0.00, 3.95

** 474752.241, 3746305.703, 501.70, 0.00, 3.95

** 474752.438, 3746256.520, 502.01, 0.00, 3.95

** 474788.585, 3746247.829, 499.73, 0.00, 3.95

** 474798.263, 3746289.704, 498.67, 0.00, 3.95

**

LOCATION L0007095 VOLUME 475031.696 3746317.308 489.61
LOCATION L0007096 VOLUME 475032.220 3746308.824 489.59
LOCATION L0007097 VOLUME 475028.931 3746303.948 489.70
LOCATION L0007098 VOLUME 475020.431 3746304.002 489.99
LOCATION L0007099 VOLUME 475011.931 3746304.056 490.27
LOCATION L0007100 VOLUME 475003.431 3746304.110 490.55
LOCATION L0007101 VOLUME 474994.932 3746304.164 490.84
LOCATION L0007102 VOLUME 474986.432 3746304.218 491.12
LOCATION L0007103 VOLUME 474977.932 3746304.271 491.40
LOCATION L0007104 VOLUME 474969.432 3746304.325 491.69
LOCATION L0007105 VOLUME 474960.932 3746304.379 491.97
LOCATION L0007106 VOLUME 474952.432 3746304.433 492.46
LOCATION L0007107 VOLUME 474943.933 3746304.487 492.97
LOCATION L0007108 VOLUME 474935.433 3746304.541 493.49
LOCATION L0007109 VOLUME 474926.933 3746304.595 493.82
LOCATION L0007110 VOLUME 474918.433 3746304.649 493.82
LOCATION L0007111 VOLUME 474909.933 3746304.703 493.82
LOCATION L0007112 VOLUME 474901.433 3746304.757 493.83
LOCATION L0007113 VOLUME 474892.934 3746304.811 494.06
LOCATION L0007114 VOLUME 474884.434 3746304.864 494.35
LOCATION L0007115 VOLUME 474875.934 3746304.918 494.63
LOCATION L0007116 VOLUME 474867.434 3746304.972 495.00
LOCATION L0007117 VOLUME 474858.934 3746305.026 495.57

CO

LOCATION L0007118	VOLUME	474850.434	3746305.080	496.14
LOCATION L0007119	VOLUME	474841.935	3746305.134	496.71
LOCATION L0007120	VOLUME	474833.435	3746305.188	497.09
LOCATION L0007121	VOLUME	474824.935	3746305.242	497.42
LOCATION L0007122	VOLUME	474816.435	3746305.296	497.75
LOCATION L0007123	VOLUME	474807.935	3746305.350	498.07
LOCATION L0007124	VOLUME	474799.435	3746305.404	498.35
LOCATION L0007125	VOLUME	474790.936	3746305.457	498.64
LOCATION L0007126	VOLUME	474782.436	3746305.511	498.92
LOCATION L0007127	VOLUME	474773.936	3746305.565	499.61
LOCATION L0007128	VOLUME	474765.436	3746305.619	500.46
LOCATION L0007129	VOLUME	474756.936	3746305.673	501.31
LOCATION L0007130	VOLUME	474752.256	3746301.899	501.77
LOCATION L0007131	VOLUME	474752.290	3746293.399	501.77
LOCATION L0007132	VOLUME	474752.324	3746284.899	501.77
LOCATION L0007133	VOLUME	474752.358	3746276.399	501.77
LOCATION L0007134	VOLUME	474752.393	3746267.899	501.79
LOCATION L0007135	VOLUME	474752.427	3746259.399	501.81
LOCATION L0007136	VOLUME	474757.904	3746255.206	501.43
LOCATION L0007137	VOLUME	474766.168	3746253.219	500.86
LOCATION L0007138	VOLUME	474774.433	3746251.232	500.34
LOCATION L0007139	VOLUME	474782.697	3746249.245	499.82
LOCATION L0007140	VOLUME	474789.135	3746250.211	499.39
LOCATION L0007141	VOLUME	474791.049	3746258.493	499.08
LOCATION L0007142	VOLUME	474792.963	3746266.775	498.82
LOCATION L0007143	VOLUME	474794.878	3746275.056	498.59
LOCATION L0007144	VOLUME	474796.792	3746283.338	498.44

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC On-Site Travel Building E - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0001386

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 7

** 475033.115, 3746319.529, 489.72, 0.00, 0.00

** 475031.535, 3746319.924, 489.78, 0.00, 3.95

** 475032.522, 3746303.925, 489.78, 0.00, 3.95

** 474752.241, 3746305.703, 501.70, 0.00, 3.95

** 474752.438, 3746256.520, 502.01, 0.00, 3.95

** 474788.585, 3746247.829, 499.73, 0.00, 3.95

** 474798.263, 3746289.704, 498.67, 0.00, 3.95

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LOCATION L0007145	VOLUME	475031.696	3746317.308	489.61
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CO

LOCATION L0007146	VOLUME	475032.220	3746308.824	489.59
LOCATION L0007147	VOLUME	475028.931	3746303.948	489.70
LOCATION L0007148	VOLUME	475020.431	3746304.002	489.99
LOCATION L0007149	VOLUME	475011.931	3746304.056	490.27
LOCATION L0007150	VOLUME	475003.431	3746304.110	490.55
LOCATION L0007151	VOLUME	474994.932	3746304.164	490.84
LOCATION L0007152	VOLUME	474986.432	3746304.218	491.12
LOCATION L0007153	VOLUME	474977.932	3746304.271	491.40
LOCATION L0007154	VOLUME	474969.432	3746304.325	491.69
LOCATION L0007155	VOLUME	474960.932	3746304.379	491.97
LOCATION L0007156	VOLUME	474952.432	3746304.433	492.46
LOCATION L0007157	VOLUME	474943.933	3746304.487	492.97
LOCATION L0007158	VOLUME	474935.433	3746304.541	493.49
LOCATION L0007159	VOLUME	474926.933	3746304.595	493.82
LOCATION L0007160	VOLUME	474918.433	3746304.649	493.82
LOCATION L0007161	VOLUME	474909.933	3746304.703	493.82
LOCATION L0007162	VOLUME	474901.433	3746304.757	493.83
LOCATION L0007163	VOLUME	474892.934	3746304.811	494.06
LOCATION L0007164	VOLUME	474884.434	3746304.864	494.35
LOCATION L0007165	VOLUME	474875.934	3746304.918	494.63
LOCATION L0007166	VOLUME	474867.434	3746304.972	495.00
LOCATION L0007167	VOLUME	474858.934	3746305.026	495.57
LOCATION L0007168	VOLUME	474850.434	3746305.080	496.14
LOCATION L0007169	VOLUME	474841.935	3746305.134	496.71
LOCATION L0007170	VOLUME	474833.435	3746305.188	497.09
LOCATION L0007171	VOLUME	474824.935	3746305.242	497.42
LOCATION L0007172	VOLUME	474816.435	3746305.296	497.75
LOCATION L0007173	VOLUME	474807.935	3746305.350	498.07
LOCATION L0007174	VOLUME	474799.435	3746305.404	498.35
LOCATION L0007175	VOLUME	474790.936	3746305.457	498.64
LOCATION L0007176	VOLUME	474782.436	3746305.511	498.92
LOCATION L0007177	VOLUME	474773.936	3746305.565	499.61
LOCATION L0007178	VOLUME	474765.436	3746305.619	500.46
LOCATION L0007179	VOLUME	474756.936	3746305.673	501.31
LOCATION L0007180	VOLUME	474752.256	3746301.899	501.77
LOCATION L0007181	VOLUME	474752.290	3746293.399	501.77
LOCATION L0007182	VOLUME	474752.324	3746284.899	501.77
LOCATION L0007183	VOLUME	474752.358	3746276.399	501.77
LOCATION L0007184	VOLUME	474752.393	3746267.899	501.79
LOCATION L0007185	VOLUME	474752.427	3746259.399	501.81
LOCATION L0007186	VOLUME	474757.904	3746255.206	501.43
LOCATION L0007187	VOLUME	474766.168	3746253.219	500.86
LOCATION L0007188	VOLUME	474774.433	3746251.232	500.34
LOCATION L0007189	VOLUME	474782.697	3746249.245	499.82
LOCATION L0007190	VOLUME	474789.135	3746250.211	499.39
LOCATION L0007191	VOLUME	474791.049	3746258.493	499.08
LOCATION L0007192	VOLUME	474792.963	3746266.775	498.82
LOCATION L0007193	VOLUME	474794.878	3746275.056	498.59

CO

LOCATION L0007194 VOLUME 474796.792 3746283.338 498.44

** End of LINE VOLUME Source ID = SLINE12

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0006731	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006732	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006733	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006734	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006735	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006736	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006737	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006738	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006739	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006740	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006741	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006742	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006743	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006744	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006745	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006746	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006747	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006748	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006749	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006750	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006751	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006752	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006753	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006754	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006755	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006756	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006757	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006758	0.0004357143	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE2

SRCPARAM L0006759	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006760	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006761	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006762	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006763	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006764	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006765	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006766	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006767	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006768	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006769	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006770	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006771	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006772	0.0004357143	4.00	3.95	1.86

CO

SRCPARAM L0006773	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006774	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006775	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006776	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006777	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006778	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006779	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006780	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006781	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006782	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006783	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006784	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006785	0.0004357143	4.00	3.95	1.86
SRCPARAM L0006786	0.0004357143	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE3

SRCPARAM L0006787	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006788	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006789	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006790	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006791	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006792	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006793	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006794	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006795	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006796	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006797	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006798	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006799	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006800	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006801	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006802	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006803	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006804	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006805	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006806	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006807	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006808	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006809	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006810	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006811	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006812	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006813	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006814	0.0005507143	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM L0006815	0.0005507143	4.00	3.95	1.86
SRCPARAM L0006816	0.0005507143	4.00	3.95	1.86

CO

SRCPARAM	L0006817	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006818	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006819	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006820	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006821	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006822	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006823	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006824	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006825	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006826	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006827	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006828	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006829	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006830	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006831	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006832	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006833	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006834	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006835	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006836	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006837	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006838	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006839	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006840	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006841	0.0005507143	4.00	3.95	1.86
SRCPARAM	L0006842	0.0005507143	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0006843	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006844	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006845	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006846	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006847	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006848	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006849	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006850	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006851	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006852	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006853	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006854	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006855	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006856	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006857	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006858	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006859	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006860	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006861	0.0001598929	4.00	3.95	1.86
SRCPARAM	L0006862	0.0001598929	4.00	3.95	1.86

CO

SRCPARAM L0006863	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006864	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006865	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006866	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006867	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006868	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006869	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006870	0.0001598929	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM L0006871	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006872	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006873	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006874	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006875	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006876	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006877	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006878	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006879	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006880	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006881	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006882	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006883	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006884	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006885	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006886	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006887	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006888	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006889	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006890	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006891	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006892	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006893	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006894	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006895	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006896	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006897	0.0001598929	4.00	3.95	1.86
SRCPARAM L0006898	0.0001598929	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM L0006899	0.0002021071	4.00	3.95	1.86
SRCPARAM L0006900	0.0002021071	4.00	3.95	1.86
SRCPARAM L0006901	0.0002021071	4.00	3.95	1.86
SRCPARAM L0006902	0.0002021071	4.00	3.95	1.86
SRCPARAM L0006903	0.0002021071	4.00	3.95	1.86
SRCPARAM L0006904	0.0002021071	4.00	3.95	1.86
SRCPARAM L0006905	0.0002021071	4.00	3.95	1.86
SRCPARAM L0006906	0.0002021071	4.00	3.95	1.86

CO

SRCPARAM	L0006907	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006908	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006909	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006910	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006911	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006912	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006913	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006914	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006915	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006916	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006917	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006918	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006919	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006920	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006921	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006922	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006923	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006924	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006925	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006926	0.0002021071	4.00	3.95	1.86

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** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0006927	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006928	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006929	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006930	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006931	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006932	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006933	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006934	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006935	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006936	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006937	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006938	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006939	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006940	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006941	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006942	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006943	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006944	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006945	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006946	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006947	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006948	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006949	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006950	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006951	0.0002021071	4.00	3.95	1.86
SRCPARAM	L0006952	0.0002021071	4.00	3.95	1.86

		CO				
SRCPARAM	L0006953	0.0002021071	4.00	3.95	1.86	
SRCPARAM	L0006954	0.0002021071	4.00	3.95	1.86	
** -----						
SRCPARAM	PAREA1	1.2138E-06	3.900	9	1.800	
AREAVERT	PAREA1	474745.374	3746237.975	474837.822	3746236.237	
AREAVERT	PAREA1	474833.651	3745984.959	474785.342	3745986.349	
AREAVERT	PAREA1	474780.129	3745991.910	474780.824	3746073.931	
AREAVERT	PAREA1	474755.105	3746094.437	474744.679	3746095.479	
AREAVERT	PAREA1	474745.374	3746239.365			
SRCPARAM	PAREA2	1.7473E-06	3.900	9	1.800	
AREAVERT	PAREA2	475006.383	3746235.194	475043.571	3746234.499	
AREAVERT	PAREA2	475043.571	3746216.079	475062.686	3746215.036	
AREAVERT	PAREA2	475060.254	3745995.385	475044.961	3745996.080	
AREAVERT	PAREA2	475043.571	3745988.434	475007.426	3745989.824	
AREAVERT	PAREA2	475004.298	3745990.867			
SRCPARAM	AREA1	1.5414E-06	3.900	59.076	255.832	0.337
1.800						
SRCPARAM	AREA2	1.1502E-06	3.900	75.775	267.300	0.263
1.800						
** LINE VOLUME Source ID = SLINE9						
SRCPARAM	L0006955	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006956	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006957	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006958	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006959	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006960	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006961	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006962	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006963	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006964	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006965	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006966	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006967	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006968	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006969	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006970	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006971	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006972	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006973	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006974	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006975	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006976	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006977	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006978	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006979	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006980	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006981	0.000005896	0.00	3.95	0.47	
SRCPARAM	L0006982	0.000005896	0.00	3.95	0.47	

CO

SRCPARAM	L0006983	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006984	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006985	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006986	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006987	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006988	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006989	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006990	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006991	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006992	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006993	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006994	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006995	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006996	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006997	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006998	0.000005896	0.00	3.95	0.47
SRCPARAM	L0006999	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007000	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007001	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007002	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007003	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007004	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007005	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007006	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007007	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007008	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007009	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007010	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007011	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007012	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007013	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007014	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007015	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007016	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007017	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007018	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007019	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007020	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007021	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007022	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007023	0.000005896	0.00	3.95	0.47
SRCPARAM	L0007024	0.000005896	0.00	3.95	0.47

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** LINE VOLUME Source ID = SLINE10

SRCPARAM	L0007025	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007026	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007027	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007028	0.000003507	0.00	3.95	0.47

CO

SRCPARAM	L0007077	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007078	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007079	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007080	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007081	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007082	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007083	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007084	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007085	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007086	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007087	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007088	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007089	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007090	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007091	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007092	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007093	0.000003507	0.00	3.95	0.47
SRCPARAM	L0007094	0.000003507	0.00	3.95	0.47

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** LINE VOLUME Source ID = SLINE11

SRCPARAM	L0007095	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007096	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007097	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007098	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007099	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007100	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007101	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007102	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007103	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007104	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007105	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007106	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007107	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007108	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007109	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007110	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007111	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007112	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007113	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007114	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007115	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007116	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007117	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007118	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007119	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007120	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007121	0.000006528	0.00	3.95	0.47
SRCPARAM	L0007122	0.000006528	0.00	3.95	0.47

CO

SRCPARAM L0007123	0.000006528	0.00	3.95	0.47
SRCPARAM L0007124	0.000006528	0.00	3.95	0.47
SRCPARAM L0007125	0.000006528	0.00	3.95	0.47
SRCPARAM L0007126	0.000006528	0.00	3.95	0.47
SRCPARAM L0007127	0.000006528	0.00	3.95	0.47
SRCPARAM L0007128	0.000006528	0.00	3.95	0.47
SRCPARAM L0007129	0.000006528	0.00	3.95	0.47
SRCPARAM L0007130	0.000006528	0.00	3.95	0.47
SRCPARAM L0007131	0.000006528	0.00	3.95	0.47
SRCPARAM L0007132	0.000006528	0.00	3.95	0.47
SRCPARAM L0007133	0.000006528	0.00	3.95	0.47
SRCPARAM L0007134	0.000006528	0.00	3.95	0.47
SRCPARAM L0007135	0.000006528	0.00	3.95	0.47
SRCPARAM L0007136	0.000006528	0.00	3.95	0.47
SRCPARAM L0007137	0.000006528	0.00	3.95	0.47
SRCPARAM L0007138	0.000006528	0.00	3.95	0.47
SRCPARAM L0007139	0.000006528	0.00	3.95	0.47
SRCPARAM L0007140	0.000006528	0.00	3.95	0.47
SRCPARAM L0007141	0.000006528	0.00	3.95	0.47
SRCPARAM L0007142	0.000006528	0.00	3.95	0.47
SRCPARAM L0007143	0.000006528	0.00	3.95	0.47
SRCPARAM L0007144	0.000006528	0.00	3.95	0.47

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** LINE VOLUME Source ID = SLINE12

SRCPARAM L0007145	0.000002772	0.00	3.95	0.47
SRCPARAM L0007146	0.000002772	0.00	3.95	0.47
SRCPARAM L0007147	0.000002772	0.00	3.95	0.47
SRCPARAM L0007148	0.000002772	0.00	3.95	0.47
SRCPARAM L0007149	0.000002772	0.00	3.95	0.47
SRCPARAM L0007150	0.000002772	0.00	3.95	0.47
SRCPARAM L0007151	0.000002772	0.00	3.95	0.47
SRCPARAM L0007152	0.000002772	0.00	3.95	0.47
SRCPARAM L0007153	0.000002772	0.00	3.95	0.47
SRCPARAM L0007154	0.000002772	0.00	3.95	0.47
SRCPARAM L0007155	0.000002772	0.00	3.95	0.47
SRCPARAM L0007156	0.000002772	0.00	3.95	0.47
SRCPARAM L0007157	0.000002772	0.00	3.95	0.47
SRCPARAM L0007158	0.000002772	0.00	3.95	0.47
SRCPARAM L0007159	0.000002772	0.00	3.95	0.47
SRCPARAM L0007160	0.000002772	0.00	3.95	0.47
SRCPARAM L0007161	0.000002772	0.00	3.95	0.47
SRCPARAM L0007162	0.000002772	0.00	3.95	0.47
SRCPARAM L0007163	0.000002772	0.00	3.95	0.47
SRCPARAM L0007164	0.000002772	0.00	3.95	0.47
SRCPARAM L0007165	0.000002772	0.00	3.95	0.47
SRCPARAM L0007166	0.000002772	0.00	3.95	0.47
SRCPARAM L0007167	0.000002772	0.00	3.95	0.47
SRCPARAM L0007168	0.000002772	0.00	3.95	0.47

CO

SRCPARAM L0007169	0.000002772	0.00	3.95	0.47
SRCPARAM L0007170	0.000002772	0.00	3.95	0.47
SRCPARAM L0007171	0.000002772	0.00	3.95	0.47
SRCPARAM L0007172	0.000002772	0.00	3.95	0.47
SRCPARAM L0007173	0.000002772	0.00	3.95	0.47
SRCPARAM L0007174	0.000002772	0.00	3.95	0.47
SRCPARAM L0007175	0.000002772	0.00	3.95	0.47
SRCPARAM L0007176	0.000002772	0.00	3.95	0.47
SRCPARAM L0007177	0.000002772	0.00	3.95	0.47
SRCPARAM L0007178	0.000002772	0.00	3.95	0.47
SRCPARAM L0007179	0.000002772	0.00	3.95	0.47
SRCPARAM L0007180	0.000002772	0.00	3.95	0.47
SRCPARAM L0007181	0.000002772	0.00	3.95	0.47
SRCPARAM L0007182	0.000002772	0.00	3.95	0.47
SRCPARAM L0007183	0.000002772	0.00	3.95	0.47
SRCPARAM L0007184	0.000002772	0.00	3.95	0.47
SRCPARAM L0007185	0.000002772	0.00	3.95	0.47
SRCPARAM L0007186	0.000002772	0.00	3.95	0.47
SRCPARAM L0007187	0.000002772	0.00	3.95	0.47
SRCPARAM L0007188	0.000002772	0.00	3.95	0.47
SRCPARAM L0007189	0.000002772	0.00	3.95	0.47
SRCPARAM L0007190	0.000002772	0.00	3.95	0.47
SRCPARAM L0007191	0.000002772	0.00	3.95	0.47
SRCPARAM L0007192	0.000002772	0.00	3.95	0.47
SRCPARAM L0007193	0.000002772	0.00	3.95	0.47
SRCPARAM L0007194	0.000002772	0.00	3.95	0.47

**

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
INCLUDED NO2.rou

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING
SURFFILE "..\..\SRA24_Met Data\peri8.sfc"
PROFFILE "..\..\SRA24_Met Data\peri8.PFL"

CO

SURFDATA 3190 2007
UAIRDATA 3190 2007
SITEDATA 99999 2007
PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST N02.AD\01H1GALL.PLT 31

PLOTFILE ANNUAL ALL N02.AD\AN00GALL.PLT 32

SUMMFILE N02.sum

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
CO W361 26 COCARD: Multiyear PERIOD/ANNUAL values for N02/S02 require
MULTYEAR Opt
ME W531 1294 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

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 *** 17:43:55

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 468 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Full Conversion Assumed for NO2.
7. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: NO2

**Note that special processing requirements apply for the 1-hour NO2 NAAQS - check available guidance.

Model will process user-specified ranks of daily maximum 1-hour values averaged across the number of years modeled.

For annual NO2 NAAQS modeling, the multi-year maximum of PERIOD values can be simulated using the MULTYEAR keyword.

Multi-year PERIOD and 1-hour values should only be done in a single model run using the MULTYEAR option with a single multi-year meteorological data file using STARTEND keyword.

**Model Calculates 1 Short Term Average(s) of: 1-HR

CO

and Calculates ANNUAL Averages

**This Run Includes: 468 Source(s); 1 Source Group(s); and 64 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 464 VOLUME source(s)
and: 4 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing
Hours
b for Both Calm
and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.9 MB of RAM.

**Detailed Error/Message File: NO2.err

**File for Summary of Results: NO2.sum

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**MODELOPTs: RegDFAULT CONC

ELEV

URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		X	Y		
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
L0006731		0	0.43571E-03		474824.8	3746232.3	496.8	3.95
1.86	YES							
L0006732		0	0.43571E-03		474824.6	3746223.8	497.0	3.95
1.86	YES							
L0006733		0	0.43571E-03		474824.5	3746215.3	497.1	3.95
1.86	YES							
L0006734		0	0.43571E-03		474824.3	3746206.8	497.3	3.95
1.86	YES							
L0006735		0	0.43571E-03		474824.1	3746198.3	497.4	3.95
1.86	YES							
L0006736		0	0.43571E-03		474824.0	3746189.8	497.6	3.95
1.86	YES							
L0006737		0	0.43571E-03		474823.8	3746181.3	498.1	3.95
1.86	YES							
L0006738		0	0.43571E-03		474823.7	3746172.8	498.7	3.95
1.86	YES							
L0006739		0	0.43571E-03		474823.5	3746164.3	499.3	3.95
1.86	YES							
L0006740		0	0.43571E-03		474823.3	3746155.8	499.4	3.95
1.86	YES							
L0006741		0	0.43571E-03		474823.2	3746147.3	499.2	3.95
1.86	YES							
L0006742		0	0.43571E-03		474823.0	3746138.8	498.9	3.95
1.86	YES							
L0006743		0	0.43571E-03		474822.9	3746130.3	498.7	3.95
1.86	YES							
L0006744		0	0.43571E-03		474822.7	3746121.8	498.6	3.95
1.86	YES							
L0006745		0	0.43571E-03		474822.5	3746113.3	498.4	3.95
1.86	YES							
L0006746		0	0.43571E-03		474822.4	3746104.8	498.3	3.95
1.86	YES							

		CO					
L0006747	0	0.43571E-03	474822.2	3746096.3	498.2	4.00	3.95
1.86	YES						
L0006748	0	0.43571E-03	474822.1	3746087.8	498.2	4.00	3.95
1.86	YES						
L0006749	0	0.43571E-03	474821.9	3746079.3	498.2	4.00	3.95
1.86	YES						
L0006750	0	0.43571E-03	474821.8	3746070.8	498.2	4.00	3.95
1.86	YES						
L0006751	0	0.43571E-03	474821.6	3746062.3	498.5	4.00	3.95
1.86	YES						
L0006752	0	0.43571E-03	474821.4	3746053.8	498.8	4.00	3.95
1.86	YES						
L0006753	0	0.43571E-03	474821.3	3746045.3	499.1	4.00	3.95
1.86	YES						
L0006754	0	0.43571E-03	474821.1	3746036.8	499.3	4.00	3.95
1.86	YES						
L0006755	0	0.43571E-03	474821.0	3746028.3	499.3	4.00	3.95
1.86	YES						
L0006756	0	0.43571E-03	474820.8	3746019.8	499.3	4.00	3.95
1.86	YES						
L0006757	0	0.43571E-03	474820.6	3746011.3	499.3	4.00	3.95
1.86	YES						
L0006758	0	0.43571E-03	474820.5	3746002.8	499.4	4.00	3.95
1.86	YES						
L0006759	0	0.43571E-03	475021.9	3746228.2	489.9	4.00	3.95
1.86	YES						
L0006760	0	0.43571E-03	475021.8	3746219.7	489.9	4.00	3.95
1.86	YES						
L0006761	0	0.43571E-03	475021.6	3746211.2	489.6	4.00	3.95
1.86	YES						
L0006762	0	0.43571E-03	475021.5	3746202.7	489.4	4.00	3.95
1.86	YES						
L0006763	0	0.43571E-03	475021.3	3746194.2	489.1	4.00	3.95
1.86	YES						
L0006764	0	0.43571E-03	475021.1	3746185.7	489.1	4.00	3.95
1.86	YES						
L0006765	0	0.43571E-03	475021.0	3746177.2	489.4	4.00	3.95
1.86	YES						
L0006766	0	0.43571E-03	475020.8	3746168.7	489.7	4.00	3.95
1.86	YES						
L0006767	0	0.43571E-03	475020.7	3746160.2	490.0	4.00	3.95
1.86	YES						
L0006768	0	0.43571E-03	475020.5	3746151.7	489.7	4.00	3.95
1.86	YES						
L0006769	0	0.43571E-03	475020.3	3746143.2	489.4	4.00	3.95
1.86	YES						
L0006770	0	0.43571E-03	475020.2	3746134.7	489.2	4.00	3.95
1.86	YES						

CO

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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0006771		0	0.43571E-03	475020.0	3746126.2	489.1	4.00	3.95	
1.86	YES								
L0006772		0	0.43571E-03	475019.9	3746117.7	489.4	4.00	3.95	
1.86	YES								
L0006773		0	0.43571E-03	475019.7	3746109.2	489.7	4.00	3.95	
1.86	YES								
L0006774		0	0.43571E-03	475019.6	3746100.7	490.0	4.00	3.95	
1.86	YES								
L0006775		0	0.43571E-03	475019.4	3746092.2	490.0	4.00	3.95	
1.86	YES								
L0006776		0	0.43571E-03	475019.2	3746083.7	490.0	4.00	3.95	
1.86	YES								
L0006777		0	0.43571E-03	475019.1	3746075.2	490.0	4.00	3.95	
1.86	YES								
L0006778		0	0.43571E-03	475018.9	3746066.7	490.0	4.00	3.95	
1.86	YES								
L0006779		0	0.43571E-03	475018.8	3746058.2	490.1	4.00	3.95	
1.86	YES								
L0006780		0	0.43571E-03	475018.6	3746049.7	490.1	4.00	3.95	
1.86	YES								
L0006781		0	0.43571E-03	475018.4	3746041.2	490.1	4.00	3.95	
1.86	YES								
L0006782		0	0.43571E-03	475018.3	3746032.7	490.3	4.00	3.95	
1.86	YES								
L0006783		0	0.43571E-03	475018.1	3746024.2	490.6	4.00	3.95	
1.86	YES								
L0006784		0	0.43571E-03	475018.0	3746015.7	490.9	4.00	3.95	
1.86	YES								

		CO					
L0006785	0	0.43571E-03	475017.8	3746007.2	491.1	4.00	3.95
1.86	YES						
L0006786	0	0.43571E-03	475017.6	3745998.7	491.1	4.00	3.95
1.86	YES						
L0006787	0	0.55071E-03	475163.7	3746225.8	485.0	4.00	3.95
1.86	YES						
L0006788	0	0.55071E-03	475163.5	3746217.3	485.1	4.00	3.95
1.86	YES						
L0006789	0	0.55071E-03	475163.4	3746208.8	484.9	4.00	3.95
1.86	YES						
L0006790	0	0.55071E-03	475163.2	3746200.3	484.7	4.00	3.95
1.86	YES						
L0006791	0	0.55071E-03	475163.1	3746191.8	484.5	4.00	3.95
1.86	YES						
L0006792	0	0.55071E-03	475162.9	3746183.3	484.6	4.00	3.95
1.86	YES						
L0006793	0	0.55071E-03	475162.7	3746174.8	484.9	4.00	3.95
1.86	YES						
L0006794	0	0.55071E-03	475162.6	3746166.3	485.1	4.00	3.95
1.86	YES						
L0006795	0	0.55071E-03	475162.4	3746157.8	485.2	4.00	3.95
1.86	YES						
L0006796	0	0.55071E-03	475162.3	3746149.3	485.3	4.00	3.95
1.86	YES						
L0006797	0	0.55071E-03	475162.1	3746140.8	485.3	4.00	3.95
1.86	YES						
L0006798	0	0.55071E-03	475162.0	3746132.3	485.3	4.00	3.95
1.86	YES						
L0006799	0	0.55071E-03	475161.8	3746123.8	485.5	4.00	3.95
1.86	YES						
L0006800	0	0.55071E-03	475161.6	3746115.3	485.8	4.00	3.95
1.86	YES						
L0006801	0	0.55071E-03	475161.5	3746106.8	486.1	4.00	3.95
1.86	YES						
L0006802	0	0.55071E-03	475161.3	3746098.3	486.3	4.00	3.95
1.86	YES						
L0006803	0	0.55071E-03	475161.2	3746089.8	486.3	4.00	3.95
1.86	YES						
L0006804	0	0.55071E-03	475161.0	3746081.3	486.3	4.00	3.95
1.86	YES						
L0006805	0	0.55071E-03	475160.8	3746072.8	486.3	4.00	3.95
1.86	YES						
L0006806	0	0.55071E-03	475160.7	3746064.3	486.5	4.00	3.95
1.86	YES						
L0006807	0	0.55071E-03	475160.5	3746055.8	486.8	4.00	3.95
1.86	YES						
L0006808	0	0.55071E-03	475160.4	3746047.3	487.1	4.00	3.95
1.86	YES						

CO

L0006809	0	0.55071E-03	475160.2	3746038.8	487.4	4.00	3.95
1.86	YES						
L0006810	0	0.55071E-03	475160.0	3746030.3	487.6	4.00	3.95
1.86	YES						

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0006811	0	0.55071E-03	475159.9	3746021.8		487.7	4.00	3.95
1.86	YES							
L0006812	0	0.55071E-03	475159.7	3746013.3		487.9	4.00	3.95
1.86	YES							
L0006813	0	0.55071E-03	475159.6	3746004.8		488.0	4.00	3.95
1.86	YES							
L0006814	0	0.55071E-03	475159.4	3745996.3		488.0	4.00	3.95
1.86	YES							
L0006815	0	0.55071E-03	475392.2	3746219.5		477.6	4.00	3.95
1.86	YES							
L0006816	0	0.55071E-03	475392.0	3746211.0		477.6	4.00	3.95
1.86	YES							
L0006817	0	0.55071E-03	475391.8	3746202.5		477.6	4.00	3.95
1.86	YES							
L0006818	0	0.55071E-03	475391.7	3746194.0		477.6	4.00	3.95
1.86	YES							
L0006819	0	0.55071E-03	475391.5	3746185.5		477.6	4.00	3.95
1.86	YES							
L0006820	0	0.55071E-03	475391.4	3746177.0		477.5	4.00	3.95
1.86	YES							
L0006821	0	0.55071E-03	475391.2	3746168.5		477.4	4.00	3.95
1.86	YES							
L0006822	0	0.55071E-03	475391.0	3746160.1		477.3	4.00	3.95
1.86	YES							

		CO					
L0006823	0	0.55071E-03	475390.9	3746151.6	477.3	4.00	3.95
1.86	YES						
L0006824	0	0.55071E-03	475390.7	3746143.1	477.3	4.00	3.95
1.86	YES						
L0006825	0	0.55071E-03	475390.6	3746134.6	477.3	4.00	3.95
1.86	YES						
L0006826	0	0.55071E-03	475390.4	3746126.1	477.4	4.00	3.95
1.86	YES						
L0006827	0	0.55071E-03	475390.2	3746117.6	477.5	4.00	3.95
1.86	YES						
L0006828	0	0.55071E-03	475390.1	3746109.1	477.6	4.00	3.95
1.86	YES						
L0006829	0	0.55071E-03	475389.9	3746100.6	477.7	4.00	3.95
1.86	YES						
L0006830	0	0.55071E-03	475389.8	3746092.1	477.7	4.00	3.95
1.86	YES						
L0006831	0	0.55071E-03	475389.6	3746083.6	477.7	4.00	3.95
1.86	YES						
L0006832	0	0.55071E-03	475389.5	3746075.1	477.7	4.00	3.95
1.86	YES						
L0006833	0	0.55071E-03	475389.3	3746066.6	477.7	4.00	3.95
1.86	YES						
L0006834	0	0.55071E-03	475389.1	3746058.1	477.7	4.00	3.95
1.86	YES						
L0006835	0	0.55071E-03	475389.0	3746049.6	477.7	4.00	3.95
1.86	YES						
L0006836	0	0.55071E-03	475388.8	3746041.1	477.7	4.00	3.95
1.86	YES						
L0006837	0	0.55071E-03	475388.7	3746032.6	478.0	4.00	3.95
1.86	YES						
L0006838	0	0.55071E-03	475388.5	3746024.1	478.2	4.00	3.95
1.86	YES						
L0006839	0	0.55071E-03	475388.3	3746015.6	478.5	4.00	3.95
1.86	YES						
L0006840	0	0.55071E-03	475388.2	3746007.1	478.7	4.00	3.95
1.86	YES						
L0006841	0	0.55071E-03	475388.0	3745998.6	478.7	4.00	3.95
1.86	YES						
L0006842	0	0.55071E-03	475387.9	3745990.1	478.7	4.00	3.95
1.86	YES						
L0006843	0	0.15989E-03	474824.8	3746232.3	496.8	4.00	3.95
1.86	YES						
L0006844	0	0.15989E-03	474824.6	3746223.8	497.0	4.00	3.95
1.86	YES						
L0006845	0	0.15989E-03	474824.5	3746215.3	497.1	4.00	3.95
1.86	YES						
L0006846	0	0.15989E-03	474824.3	3746206.8	497.3	4.00	3.95
1.86	YES						

		CO					
L0006861	0	0.15989E-03	474821.9	3746079.3	498.2	4.00	3.95
1.86	YES						
L0006862	0	0.15989E-03	474821.8	3746070.8	498.2	4.00	3.95
1.86	YES						
L0006863	0	0.15989E-03	474821.6	3746062.3	498.5	4.00	3.95
1.86	YES						
L0006864	0	0.15989E-03	474821.4	3746053.8	498.8	4.00	3.95
1.86	YES						
L0006865	0	0.15989E-03	474821.3	3746045.3	499.1	4.00	3.95
1.86	YES						
L0006866	0	0.15989E-03	474821.1	3746036.8	499.3	4.00	3.95
1.86	YES						
L0006867	0	0.15989E-03	474821.0	3746028.3	499.3	4.00	3.95
1.86	YES						
L0006868	0	0.15989E-03	474820.8	3746019.8	499.3	4.00	3.95
1.86	YES						
L0006869	0	0.15989E-03	474820.6	3746011.3	499.3	4.00	3.95
1.86	YES						
L0006870	0	0.15989E-03	474820.5	3746002.8	499.4	4.00	3.95
1.86	YES						
L0006871	0	0.15989E-03	475021.9	3746228.2	489.9	4.00	3.95
1.86	YES						
L0006872	0	0.15989E-03	475021.8	3746219.7	489.9	4.00	3.95
1.86	YES						
L0006873	0	0.15989E-03	475021.6	3746211.2	489.6	4.00	3.95
1.86	YES						
L0006874	0	0.15989E-03	475021.5	3746202.7	489.4	4.00	3.95
1.86	YES						
L0006875	0	0.15989E-03	475021.3	3746194.2	489.1	4.00	3.95
1.86	YES						
L0006876	0	0.15989E-03	475021.1	3746185.7	489.1	4.00	3.95
1.86	YES						
L0006877	0	0.15989E-03	475021.0	3746177.2	489.4	4.00	3.95
1.86	YES						
L0006878	0	0.15989E-03	475020.8	3746168.7	489.7	4.00	3.95
1.86	YES						
L0006879	0	0.15989E-03	475020.7	3746160.2	490.0	4.00	3.95
1.86	YES						
L0006880	0	0.15989E-03	475020.5	3746151.7	489.7	4.00	3.95
1.86	YES						
L0006881	0	0.15989E-03	475020.3	3746143.2	489.4	4.00	3.95
1.86	YES						
L0006882	0	0.15989E-03	475020.2	3746134.7	489.2	4.00	3.95
1.86	YES						
L0006883	0	0.15989E-03	475020.0	3746126.2	489.1	4.00	3.95
1.86	YES						
L0006884	0	0.15989E-03	475019.9	3746117.7	489.4	4.00	3.95
1.86	YES						

		CO					
L0006899	0	0.20211E-03	475163.7	3746225.8	485.0	4.00	3.95
1.86	YES						
L0006900	0	0.20211E-03	475163.5	3746217.3	485.1	4.00	3.95
1.86	YES						
L0006901	0	0.20211E-03	475163.4	3746208.8	484.9	4.00	3.95
1.86	YES						
L0006902	0	0.20211E-03	475163.2	3746200.3	484.7	4.00	3.95
1.86	YES						
L0006903	0	0.20211E-03	475163.1	3746191.8	484.5	4.00	3.95
1.86	YES						
L0006904	0	0.20211E-03	475162.9	3746183.3	484.6	4.00	3.95
1.86	YES						
L0006905	0	0.20211E-03	475162.7	3746174.8	484.9	4.00	3.95
1.86	YES						
L0006906	0	0.20211E-03	475162.6	3746166.3	485.1	4.00	3.95
1.86	YES						
L0006907	0	0.20211E-03	475162.4	3746157.8	485.2	4.00	3.95
1.86	YES						
L0006908	0	0.20211E-03	475162.3	3746149.3	485.3	4.00	3.95
1.86	YES						
L0006909	0	0.20211E-03	475162.1	3746140.8	485.3	4.00	3.95
1.86	YES						
L0006910	0	0.20211E-03	475162.0	3746132.3	485.3	4.00	3.95
1.86	YES						
L0006911	0	0.20211E-03	475161.8	3746123.8	485.5	4.00	3.95
1.86	YES						
L0006912	0	0.20211E-03	475161.6	3746115.3	485.8	4.00	3.95
1.86	YES						
L0006913	0	0.20211E-03	475161.5	3746106.8	486.1	4.00	3.95
1.86	YES						
L0006914	0	0.20211E-03	475161.3	3746098.3	486.3	4.00	3.95
1.86	YES						
L0006915	0	0.20211E-03	475161.2	3746089.8	486.3	4.00	3.95
1.86	YES						
L0006916	0	0.20211E-03	475161.0	3746081.3	486.3	4.00	3.95
1.86	YES						
L0006917	0	0.20211E-03	475160.8	3746072.8	486.3	4.00	3.95
1.86	YES						
L0006918	0	0.20211E-03	475160.7	3746064.3	486.5	4.00	3.95
1.86	YES						
L0006919	0	0.20211E-03	475160.5	3746055.8	486.8	4.00	3.95
1.86	YES						
L0006920	0	0.20211E-03	475160.4	3746047.3	487.1	4.00	3.95
1.86	YES						
L0006921	0	0.20211E-03	475160.2	3746038.8	487.4	4.00	3.95
1.86	YES						
L0006922	0	0.20211E-03	475160.0	3746030.3	487.6	4.00	3.95
1.86	YES						

				CO					
L0006937	0	0.20211E-03	475390.6	3746134.6	477.3	4.00	3.95		
1.86	YES								
L0006938	0	0.20211E-03	475390.4	3746126.1	477.4	4.00	3.95		
1.86	YES								
L0006939	0	0.20211E-03	475390.2	3746117.6	477.5	4.00	3.95		
1.86	YES								
L0006940	0	0.20211E-03	475390.1	3746109.1	477.6	4.00	3.95		
1.86	YES								
L0006941	0	0.20211E-03	475389.9	3746100.6	477.7	4.00	3.95		
1.86	YES								
L0006942	0	0.20211E-03	475389.8	3746092.1	477.7	4.00	3.95		
1.86	YES								
L0006943	0	0.20211E-03	475389.6	3746083.6	477.7	4.00	3.95		
1.86	YES								
L0006944	0	0.20211E-03	475389.5	3746075.1	477.7	4.00	3.95		
1.86	YES								
L0006945	0	0.20211E-03	475389.3	3746066.6	477.7	4.00	3.95		
1.86	YES								
L0006946	0	0.20211E-03	475389.1	3746058.1	477.7	4.00	3.95		
1.86	YES								
L0006947	0	0.20211E-03	475389.0	3746049.6	477.7	4.00	3.95		
1.86	YES								
L0006948	0	0.20211E-03	475388.8	3746041.1	477.7	4.00	3.95		
1.86	YES								
L0006949	0	0.20211E-03	475388.7	3746032.6	478.0	4.00	3.95		
1.86	YES								
L0006950	0	0.20211E-03	475388.5	3746024.1	478.2	4.00	3.95		
1.86	YES								
L0006951	0	0.20211E-03	475388.3	3746015.6	478.5	4.00	3.95		
1.86	YES								
L0006952	0	0.20211E-03	475388.2	3746007.1	478.7	4.00	3.95		
1.86	YES								
L0006953	0	0.20211E-03	475388.0	3745998.6	478.7	4.00	3.95		
1.86	YES								
L0006954	0	0.20211E-03	475387.9	3745990.1	478.7	4.00	3.95		
1.86	YES								
L0006955	0	0.58960E-05	475442.6	3746315.0	474.9	0.00	3.95		
0.47	YES								
L0006956	0	0.58960E-05	475439.4	3746307.1	475.0	0.00	3.95		
0.47	YES								
L0006957	0	0.58960E-05	475436.1	3746299.3	475.1	0.00	3.95		
0.47	YES								
L0006958	0	0.58960E-05	475431.8	3746292.2	475.3	0.00	3.95		
0.47	YES								
L0006959	0	0.58960E-05	475425.1	3746286.9	475.5	0.00	3.95		
0.47	YES								
L0006960	0	0.58960E-05	475432.2	3746282.5	475.3	0.00	3.95		
0.47	YES								

		CO					
L0006975	0	0.58960E-05	475461.1	3746246.9	475.4	0.00	3.95
0.47	YES						
L0006976	0	0.58960E-05	475452.7	3746246.1	475.6	0.00	3.95
0.47	YES						
L0006977	0	0.58960E-05	475444.2	3746245.5	475.9	0.00	3.95
0.47	YES						
L0006978	0	0.58960E-05	475435.7	3746244.8	476.0	0.00	3.95
0.47	YES						
L0006979	0	0.58960E-05	475427.6	3746246.6	476.1	0.00	3.95
0.47	YES						
L0006980	0	0.58960E-05	475420.8	3746250.1	476.0	0.00	3.95
0.47	YES						
L0006981	0	0.58960E-05	475422.2	3746258.5	475.9	0.00	3.95
0.47	YES						
L0006982	0	0.58960E-05	475424.2	3746266.7	475.7	0.00	3.95
0.47	YES						
L0006983	0	0.58960E-05	475428.1	3746274.2	475.5	0.00	3.95
0.47	YES						
L0006984	0	0.58960E-05	475426.2	3746282.5	475.5	0.00	3.95
0.47	YES						
L0006985	0	0.58960E-05	475420.4	3746288.3	475.7	0.00	3.95
0.47	YES						
L0006986	0	0.58960E-05	475415.7	3746295.4	475.8	0.00	3.95
0.47	YES						
L0006987	0	0.58960E-05	475408.0	3746298.0	476.1	0.00	3.95
0.47	YES						
L0006988	0	0.58960E-05	475399.5	3746298.6	476.4	0.00	3.95
0.47	YES						
L0006989	0	0.58960E-05	475391.0	3746298.8	476.6	0.00	3.95
0.47	YES						
L0006990	0	0.58960E-05	475382.5	3746299.3	476.9	0.00	3.95
0.47	YES						
L0006991	0	0.58960E-05	475374.1	3746300.7	477.2	0.00	3.95
0.47	YES						
L0006992	0	0.58960E-05	475365.8	3746302.0	477.5	0.00	3.95
0.47	YES						
L0006993	0	0.58960E-05	475357.3	3746303.2	477.8	0.00	3.95
0.47	YES						
L0006994	0	0.58960E-05	475348.9	3746304.3	478.0	0.00	3.95
0.47	YES						
L0006995	0	0.58960E-05	475340.5	3746305.4	478.1	0.00	3.95
0.47	YES						
L0006996	0	0.58960E-05	475332.1	3746306.5	478.1	0.00	3.95
0.47	YES						
L0006997	0	0.58960E-05	475323.6	3746306.9	478.1	0.00	3.95
0.47	YES						
L0006998	0	0.58960E-05	475315.1	3746306.9	478.4	0.00	3.95
0.47	YES						

		CO					
L0006999	0	0.58960E-05	475306.6	3746306.9	478.9	0.00	3.95
0.47	YES						
L0007000	0	0.58960E-05	475298.1	3746306.9	479.5	0.00	3.95
0.47	YES						
L0007001	0	0.58960E-05	475289.6	3746306.9	480.0	0.00	3.95
0.47	YES						
L0007002	0	0.58960E-05	475281.1	3746306.9	480.3	0.00	3.95
0.47	YES						
L0007003	0	0.58960E-05	475272.6	3746306.6	480.6	0.00	3.95
0.47	YES						
L0007004	0	0.58960E-05	475264.1	3746306.2	480.9	0.00	3.95
0.47	YES						
L0007005	0	0.58960E-05	475255.6	3746305.8	481.2	0.00	3.95
0.47	YES						
L0007006	0	0.58960E-05	475247.1	3746305.5	481.4	0.00	3.95
0.47	YES						
L0007007	0	0.58960E-05	475238.6	3746305.1	481.7	0.00	3.95
0.47	YES						
L0007008	0	0.58960E-05	475230.1	3746304.6	482.0	0.00	3.95
0.47	YES						
L0007009	0	0.58960E-05	475221.6	3746304.2	482.3	0.00	3.95
0.47	YES						
L0007010	0	0.58960E-05	475213.2	3746302.9	482.6	0.00	3.95
0.47	YES						

♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\N02\N02.isc *** 01/28/16
*** AERMET - VERSION 14134 *** ***
*** 17:43:55

**MODELOPTs: RegDFAULT CONC PAGE 9
ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					

L0007011	0	0.58960E-05	475204.9	3746302.5	482.8	0.00	3.95	
0.47	YES							
L0007012	0	0.58960E-05	475196.5	3746304.0	483.1	0.00	3.95	
0.47	YES							

CO

L0007013	0	0.58960E-05	475188.1	3746305.5	483.4	0.00	3.95
0.47 YES							
L0007014	0	0.58960E-05	475179.9	3746304.5	483.7	0.00	3.95
0.47 YES							
L0007015	0	0.58960E-05	475171.6	3746302.4	483.9	0.00	3.95
0.47 YES							
L0007016	0	0.58960E-05	475163.3	3746300.7	484.4	0.00	3.95
0.47 YES							
L0007017	0	0.58960E-05	475154.9	3746300.4	484.9	0.00	3.95
0.47 YES							
L0007018	0	0.58960E-05	475146.4	3746300.7	485.3	0.00	3.95
0.47 YES							
L0007019	0	0.58960E-05	475137.9	3746301.1	485.8	0.00	3.95
0.47 YES							
L0007020	0	0.58960E-05	475129.5	3746299.8	486.1	0.00	3.95
0.47 YES							
L0007021	0	0.58960E-05	475126.6	3746292.1	486.1	0.00	3.95
0.47 YES							
L0007022	0	0.58960E-05	475126.6	3746283.7	486.0	0.00	3.95
0.47 YES							
L0007023	0	0.58960E-05	475127.6	3746275.3	485.8	0.00	3.95
0.47 YES							
L0007024	0	0.58960E-05	475128.0	3746266.8	485.6	0.00	3.95
0.47 YES							
L0007025	0	0.35070E-05	475442.6	3746315.0	474.9	0.00	3.95
0.47 YES							
L0007026	0	0.35070E-05	475439.4	3746307.1	475.0	0.00	3.95
0.47 YES							
L0007027	0	0.35070E-05	475436.1	3746299.3	475.1	0.00	3.95
0.47 YES							
L0007028	0	0.35070E-05	475431.8	3746292.2	475.3	0.00	3.95
0.47 YES							
L0007029	0	0.35070E-05	475425.1	3746286.9	475.5	0.00	3.95
0.47 YES							
L0007030	0	0.35070E-05	475432.2	3746282.5	475.3	0.00	3.95
0.47 YES							
L0007031	0	0.35070E-05	475439.4	3746281.6	475.0	0.00	3.95
0.47 YES							
L0007032	0	0.35070E-05	475446.4	3746286.4	474.9	0.00	3.95
0.47 YES							
L0007033	0	0.35070E-05	475453.4	3746291.2	474.8	0.00	3.95
0.47 YES							
L0007034	0	0.35070E-05	475460.2	3746296.1	474.6	0.00	3.95
0.47 YES							
L0007035	0	0.35070E-05	475459.6	3746304.2	474.5	0.00	3.95
0.47 YES							
L0007036	0	0.35070E-05	475468.1	3746303.9	474.2	0.00	3.95
0.47 YES							

CO							
L0007037	0	0.35070E-05	475476.4	3746302.3	474.2	0.00	3.95
0.47	YES						
L0007038	0	0.35070E-05	475476.9	3746294.8	474.4	0.00	3.95
0.47	YES						
L0007039	0	0.35070E-05	475476.3	3746286.3	474.6	0.00	3.95
0.47	YES						
L0007040	0	0.35070E-05	475476.3	3746277.8	474.8	0.00	3.95
0.47	YES						
L0007041	0	0.35070E-05	475476.3	3746269.3	474.9	0.00	3.95
0.47	YES						
L0007042	0	0.35070E-05	475476.2	3746260.8	474.9	0.00	3.95
0.47	YES						
L0007043	0	0.35070E-05	475475.9	3746252.3	475.0	0.00	3.95
0.47	YES						
L0007044	0	0.35070E-05	475469.4	3746248.9	475.1	0.00	3.95
0.47	YES						
L0007045	0	0.35070E-05	475461.1	3746246.9	475.4	0.00	3.95
0.47	YES						
L0007046	0	0.35070E-05	475452.7	3746246.1	475.6	0.00	3.95
0.47	YES						
L0007047	0	0.35070E-05	475444.2	3746245.5	475.9	0.00	3.95
0.47	YES						
L0007048	0	0.35070E-05	475435.7	3746244.8	476.0	0.00	3.95
0.47	YES						
L0007049	0	0.35070E-05	475427.6	3746246.6	476.1	0.00	3.95
0.47	YES						
L0007050	0	0.35070E-05	475420.8	3746250.1	476.0	0.00	3.95
0.47	YES						

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\NO2\NO2.isc *** 01/28/16
*** AERMET - VERSION 14134 *** ***
*** *** 17:43:55

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY			(METERS)	(METERS)	(METERS)

		CO					
L0007051	0	0.35070E-05	475422.2	3746258.5	475.9	0.00	3.95
0.47	YES						
L0007052	0	0.35070E-05	475424.2	3746266.7	475.7	0.00	3.95
0.47	YES						
L0007053	0	0.35070E-05	475428.1	3746274.2	475.5	0.00	3.95
0.47	YES						
L0007054	0	0.35070E-05	475426.2	3746282.5	475.5	0.00	3.95
0.47	YES						
L0007055	0	0.35070E-05	475420.4	3746288.3	475.7	0.00	3.95
0.47	YES						
L0007056	0	0.35070E-05	475415.7	3746295.4	475.8	0.00	3.95
0.47	YES						
L0007057	0	0.35070E-05	475408.0	3746298.0	476.1	0.00	3.95
0.47	YES						
L0007058	0	0.35070E-05	475399.5	3746298.6	476.4	0.00	3.95
0.47	YES						
L0007059	0	0.35070E-05	475391.0	3746298.8	476.6	0.00	3.95
0.47	YES						
L0007060	0	0.35070E-05	475382.5	3746299.3	476.9	0.00	3.95
0.47	YES						
L0007061	0	0.35070E-05	475374.1	3746300.7	477.2	0.00	3.95
0.47	YES						
L0007062	0	0.35070E-05	475365.8	3746302.0	477.5	0.00	3.95
0.47	YES						
L0007063	0	0.35070E-05	475357.3	3746303.2	477.8	0.00	3.95
0.47	YES						
L0007064	0	0.35070E-05	475348.9	3746304.3	478.0	0.00	3.95
0.47	YES						
L0007065	0	0.35070E-05	475340.5	3746305.4	478.1	0.00	3.95
0.47	YES						
L0007066	0	0.35070E-05	475332.1	3746306.5	478.1	0.00	3.95
0.47	YES						
L0007067	0	0.35070E-05	475323.6	3746306.9	478.1	0.00	3.95
0.47	YES						
L0007068	0	0.35070E-05	475315.1	3746306.9	478.4	0.00	3.95
0.47	YES						
L0007069	0	0.35070E-05	475306.6	3746306.9	478.9	0.00	3.95
0.47	YES						
L0007070	0	0.35070E-05	475298.1	3746306.9	479.5	0.00	3.95
0.47	YES						
L0007071	0	0.35070E-05	475289.6	3746306.9	480.0	0.00	3.95
0.47	YES						
L0007072	0	0.35070E-05	475281.1	3746306.9	480.3	0.00	3.95
0.47	YES						
L0007073	0	0.35070E-05	475272.6	3746306.6	480.6	0.00	3.95
0.47	YES						
L0007074	0	0.35070E-05	475264.1	3746306.2	480.9	0.00	3.95
0.47	YES						

(METERS)		BY	CO				
L0007091	0	0.35070E-05	475126.6	3746292.1	486.1	0.00	3.95
0.47 YES							
L0007092	0	0.35070E-05	475126.6	3746283.7	486.0	0.00	3.95
0.47 YES							
L0007093	0	0.35070E-05	475127.6	3746275.3	485.8	0.00	3.95
0.47 YES							
L0007094	0	0.35070E-05	475128.0	3746266.8	485.6	0.00	3.95
0.47 YES							
L0007095	0	0.65280E-05	475031.7	3746317.3	489.6	0.00	3.95
0.47 YES							
L0007096	0	0.65280E-05	475032.2	3746308.8	489.6	0.00	3.95
0.47 YES							
L0007097	0	0.65280E-05	475028.9	3746303.9	489.7	0.00	3.95
0.47 YES							
L0007098	0	0.65280E-05	475020.4	3746304.0	490.0	0.00	3.95
0.47 YES							
L0007099	0	0.65280E-05	475011.9	3746304.1	490.3	0.00	3.95
0.47 YES							
L0007100	0	0.65280E-05	475003.4	3746304.1	490.6	0.00	3.95
0.47 YES							
L0007101	0	0.65280E-05	474994.9	3746304.2	490.8	0.00	3.95
0.47 YES							
L0007102	0	0.65280E-05	474986.4	3746304.2	491.1	0.00	3.95
0.47 YES							
L0007103	0	0.65280E-05	474977.9	3746304.3	491.4	0.00	3.95
0.47 YES							
L0007104	0	0.65280E-05	474969.4	3746304.3	491.7	0.00	3.95
0.47 YES							
L0007105	0	0.65280E-05	474960.9	3746304.4	492.0	0.00	3.95
0.47 YES							
L0007106	0	0.65280E-05	474952.4	3746304.4	492.5	0.00	3.95
0.47 YES							
L0007107	0	0.65280E-05	474943.9	3746304.5	493.0	0.00	3.95
0.47 YES							
L0007108	0	0.65280E-05	474935.4	3746304.5	493.5	0.00	3.95
0.47 YES							
L0007109	0	0.65280E-05	474926.9	3746304.6	493.8	0.00	3.95
0.47 YES							
L0007110	0	0.65280E-05	474918.4	3746304.6	493.8	0.00	3.95
0.47 YES							
L0007111	0	0.65280E-05	474909.9	3746304.7	493.8	0.00	3.95
0.47 YES							
L0007112	0	0.65280E-05	474901.4	3746304.8	493.8	0.00	3.95
0.47 YES							

CO							
L0007113	0	0.65280E-05	474892.9	3746304.8	494.1	0.00	3.95
0.47 YES							
L0007114	0	0.65280E-05	474884.4	3746304.9	494.4	0.00	3.95
0.47 YES							
L0007115	0	0.65280E-05	474875.9	3746304.9	494.6	0.00	3.95
0.47 YES							
L0007116	0	0.65280E-05	474867.4	3746305.0	495.0	0.00	3.95
0.47 YES							
L0007117	0	0.65280E-05	474858.9	3746305.0	495.6	0.00	3.95
0.47 YES							
L0007118	0	0.65280E-05	474850.4	3746305.1	496.1	0.00	3.95
0.47 YES							
L0007119	0	0.65280E-05	474841.9	3746305.1	496.7	0.00	3.95
0.47 YES							
L0007120	0	0.65280E-05	474833.4	3746305.2	497.1	0.00	3.95
0.47 YES							
L0007121	0	0.65280E-05	474824.9	3746305.2	497.4	0.00	3.95
0.47 YES							
L0007122	0	0.65280E-05	474816.4	3746305.3	497.8	0.00	3.95
0.47 YES							
L0007123	0	0.65280E-05	474807.9	3746305.3	498.1	0.00	3.95
0.47 YES							
L0007124	0	0.65280E-05	474799.4	3746305.4	498.4	0.00	3.95
0.47 YES							
L0007125	0	0.65280E-05	474790.9	3746305.5	498.6	0.00	3.95
0.47 YES							
L0007126	0	0.65280E-05	474782.4	3746305.5	498.9	0.00	3.95
0.47 YES							
L0007127	0	0.65280E-05	474773.9	3746305.6	499.6	0.00	3.95
0.47 YES							
L0007128	0	0.65280E-05	474765.4	3746305.6	500.5	0.00	3.95
0.47 YES							
L0007129	0	0.65280E-05	474756.9	3746305.7	501.3	0.00	3.95
0.47 YES							
L0007130	0	0.65280E-05	474752.3	3746301.9	501.8	0.00	3.95
0.47 YES							

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ELEV URBAN

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.

		CO						
INIT.	URBAN	EMISSION RATE	X		Y	ELEV.	HEIGHT	SY
SZ	SOURCE	PART. (GRAMS/SEC)				(METERS)	(METERS)	(METERS)
ID	SOURCE	SCALAR VARY				(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0007131		0	0.65280E-05	474752.3	3746293.4	501.8	0.00	3.95
0.47	YES							
L0007132		0	0.65280E-05	474752.3	3746284.9	501.8	0.00	3.95
0.47	YES							
L0007133		0	0.65280E-05	474752.4	3746276.4	501.8	0.00	3.95
0.47	YES							
L0007134		0	0.65280E-05	474752.4	3746267.9	501.8	0.00	3.95
0.47	YES							
L0007135		0	0.65280E-05	474752.4	3746259.4	501.8	0.00	3.95
0.47	YES							
L0007136		0	0.65280E-05	474757.9	3746255.2	501.4	0.00	3.95
0.47	YES							
L0007137		0	0.65280E-05	474766.2	3746253.2	500.9	0.00	3.95
0.47	YES							
L0007138		0	0.65280E-05	474774.4	3746251.2	500.3	0.00	3.95
0.47	YES							
L0007139		0	0.65280E-05	474782.7	3746249.2	499.8	0.00	3.95
0.47	YES							
L0007140		0	0.65280E-05	474789.1	3746250.2	499.4	0.00	3.95
0.47	YES							
L0007141		0	0.65280E-05	474791.0	3746258.5	499.1	0.00	3.95
0.47	YES							
L0007142		0	0.65280E-05	474793.0	3746266.8	498.8	0.00	3.95
0.47	YES							
L0007143		0	0.65280E-05	474794.9	3746275.1	498.6	0.00	3.95
0.47	YES							
L0007144		0	0.65280E-05	474796.8	3746283.3	498.4	0.00	3.95
0.47	YES							
L0007145		0	0.27720E-05	475031.7	3746317.3	489.6	0.00	3.95
0.47	YES							
L0007146		0	0.27720E-05	475032.2	3746308.8	489.6	0.00	3.95
0.47	YES							
L0007147		0	0.27720E-05	475028.9	3746303.9	489.7	0.00	3.95
0.47	YES							
L0007148		0	0.27720E-05	475020.4	3746304.0	490.0	0.00	3.95
0.47	YES							
L0007149		0	0.27720E-05	475011.9	3746304.1	490.3	0.00	3.95
0.47	YES							
L0007150		0	0.27720E-05	475003.4	3746304.1	490.6	0.00	3.95
0.47	YES							

CO

L0007151	0	0.27720E-05	474994.9	3746304.2	490.8	0.00	3.95
0.47 YES							
L0007152	0	0.27720E-05	474986.4	3746304.2	491.1	0.00	3.95
0.47 YES							
L0007153	0	0.27720E-05	474977.9	3746304.3	491.4	0.00	3.95
0.47 YES							
L0007154	0	0.27720E-05	474969.4	3746304.3	491.7	0.00	3.95
0.47 YES							
L0007155	0	0.27720E-05	474960.9	3746304.4	492.0	0.00	3.95
0.47 YES							
L0007156	0	0.27720E-05	474952.4	3746304.4	492.5	0.00	3.95
0.47 YES							
L0007157	0	0.27720E-05	474943.9	3746304.5	493.0	0.00	3.95
0.47 YES							
L0007158	0	0.27720E-05	474935.4	3746304.5	493.5	0.00	3.95
0.47 YES							
L0007159	0	0.27720E-05	474926.9	3746304.6	493.8	0.00	3.95
0.47 YES							
L0007160	0	0.27720E-05	474918.4	3746304.6	493.8	0.00	3.95
0.47 YES							
L0007161	0	0.27720E-05	474909.9	3746304.7	493.8	0.00	3.95
0.47 YES							
L0007162	0	0.27720E-05	474901.4	3746304.8	493.8	0.00	3.95
0.47 YES							
L0007163	0	0.27720E-05	474892.9	3746304.8	494.1	0.00	3.95
0.47 YES							
L0007164	0	0.27720E-05	474884.4	3746304.9	494.4	0.00	3.95
0.47 YES							
L0007165	0	0.27720E-05	474875.9	3746304.9	494.6	0.00	3.95
0.47 YES							
L0007166	0	0.27720E-05	474867.4	3746305.0	495.0	0.00	3.95
0.47 YES							
L0007167	0	0.27720E-05	474858.9	3746305.0	495.6	0.00	3.95
0.47 YES							
L0007168	0	0.27720E-05	474850.4	3746305.1	496.1	0.00	3.95
0.47 YES							
L0007169	0	0.27720E-05	474841.9	3746305.1	496.7	0.00	3.95
0.47 YES							
L0007170	0	0.27720E-05	474833.4	3746305.2	497.1	0.00	3.95
0.47 YES							

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

CO

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION RATE	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY					
(METERS)								
L0007171		0	0.27720E-05	474824.9	3746305.2	497.4	0.00	3.95
0.47	YES							
L0007172		0	0.27720E-05	474816.4	3746305.3	497.8	0.00	3.95
0.47	YES							
L0007173		0	0.27720E-05	474807.9	3746305.3	498.1	0.00	3.95
0.47	YES							
L0007174		0	0.27720E-05	474799.4	3746305.4	498.4	0.00	3.95
0.47	YES							
L0007175		0	0.27720E-05	474790.9	3746305.5	498.6	0.00	3.95
0.47	YES							
L0007176		0	0.27720E-05	474782.4	3746305.5	498.9	0.00	3.95
0.47	YES							
L0007177		0	0.27720E-05	474773.9	3746305.6	499.6	0.00	3.95
0.47	YES							
L0007178		0	0.27720E-05	474765.4	3746305.6	500.5	0.00	3.95
0.47	YES							
L0007179		0	0.27720E-05	474756.9	3746305.7	501.3	0.00	3.95
0.47	YES							
L0007180		0	0.27720E-05	474752.3	3746301.9	501.8	0.00	3.95
0.47	YES							
L0007181		0	0.27720E-05	474752.3	3746293.4	501.8	0.00	3.95
0.47	YES							
L0007182		0	0.27720E-05	474752.3	3746284.9	501.8	0.00	3.95
0.47	YES							
L0007183		0	0.27720E-05	474752.4	3746276.4	501.8	0.00	3.95
0.47	YES							
L0007184		0	0.27720E-05	474752.4	3746267.9	501.8	0.00	3.95
0.47	YES							
L0007185		0	0.27720E-05	474752.4	3746259.4	501.8	0.00	3.95
0.47	YES							
L0007186		0	0.27720E-05	474757.9	3746255.2	501.4	0.00	3.95
0.47	YES							
L0007187		0	0.27720E-05	474766.2	3746253.2	500.9	0.00	3.95
0.47	YES							
L0007188		0	0.27720E-05	474774.4	3746251.2	500.3	0.00	3.95
0.47	YES							

INIT. SOURCE SZ ID (METERS)	URBAN SOURCE	EMISSION PART. SCALAR VARY BY	RATE (GRAMS/SEC /METER**2)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	OF VERTS.
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PAREA1 1.80	YES	0	0.12138E-05	474745.4	3746238.0	502.5	3.90	9
PAREA2 1.80	YES	0	0.17473E-05	475006.4	3746235.2	490.4	3.90	9

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ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
ALL L0006736	L0006731 , L0006732 , L0006733 , L0006734 , L0006735 , L0006736 , L0006737 , L0006738 ,
L0006744	L0006739 , L0006740 , L0006741 , L0006742 , L0006743 , L0006744 , L0006745 , L0006746 ,
L0006752	L0006747 , L0006748 , L0006749 , L0006750 , L0006751 , L0006752 , L0006753 , L0006754 ,
L0006760	L0006755 , L0006756 , L0006757 , L0006758 , L0006759 , L0006760 , L0006761 , L0006762 ,
L0006768	L0006763 , L0006764 , L0006765 , L0006766 , L0006767 , L0006768 , L0006769 , L0006770 ,
L0006776	L0006771 , L0006772 , L0006773 , L0006774 , L0006775 , L0006776 , L0006777 , L0006778 ,
L0006784	L0006779 , L0006780 , L0006781 , L0006782 , L0006783 , L0006784 , L0006785 , L0006786 ,

CO

L0006792 L0006787 , L0006788 , L0006789 , L0006790 , L0006791 ,
 , L0006793 , L0006794 ,

 L0006800 L0006795 , L0006796 , L0006797 , L0006798 , L0006799 ,
 , L0006801 , L0006802 ,

 L0006808 L0006803 , L0006804 , L0006805 , L0006806 , L0006807 ,
 , L0006809 , L0006810 ,

 L0006816 L0006811 , L0006812 , L0006813 , L0006814 , L0006815 ,
 , L0006817 , L0006818 ,

 L0006824 L0006819 , L0006820 , L0006821 , L0006822 , L0006823 ,
 , L0006825 , L0006826 ,

 L0006832 L0006827 , L0006828 , L0006829 , L0006830 , L0006831 ,
 , L0006833 , L0006834 ,

 L0006840 L0006835 , L0006836 , L0006837 , L0006838 , L0006839 ,
 , L0006841 , L0006842 ,

 L0006848 L0006843 , L0006844 , L0006845 , L0006846 , L0006847 ,
 , L0006849 , L0006850 ,

 L0006856 L0006851 , L0006852 , L0006853 , L0006854 , L0006855 ,
 , L0006857 , L0006858 ,

 L0006864 L0006859 , L0006860 , L0006861 , L0006862 , L0006863 ,
 , L0006865 , L0006866 ,

 L0006872 L0006867 , L0006868 , L0006869 , L0006870 , L0006871 ,
 , L0006873 , L0006874 ,

 L0006880 L0006875 , L0006876 , L0006877 , L0006878 , L0006879 ,
 , L0006881 , L0006882 ,

 L0006888 L0006883 , L0006884 , L0006885 , L0006886 , L0006887 ,
 , L0006889 , L0006890 ,

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*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
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L0006896	L0006891	, L0006892	, L0006893	, L0006894	, L0006895	,
	, L0006897	, L0006898	,			
L0006904	L0006899	, L0006900	, L0006901	, L0006902	, L0006903	,
	, L0006905	, L0006906	,			
L0006912	L0006907	, L0006908	, L0006909	, L0006910	, L0006911	,
	, L0006913	, L0006914	,			
L0006920	L0006915	, L0006916	, L0006917	, L0006918	, L0006919	,
	, L0006921	, L0006922	,			
L0006928	L0006923	, L0006924	, L0006925	, L0006926	, L0006927	,
	, L0006929	, L0006930	,			
L0006936	L0006931	, L0006932	, L0006933	, L0006934	, L0006935	,
	, L0006937	, L0006938	,			
L0006944	L0006939	, L0006940	, L0006941	, L0006942	, L0006943	,
	, L0006945	, L0006946	,			
L0006952	L0006947	, L0006948	, L0006949	, L0006950	, L0006951	,
	, L0006953	, L0006954	,			
L0006956	PAREA1	, PAREA2	, AREA1	, AREA2	, L0006955	,
	, L0006957	, L0006958	,			
L0006964	L0006959	, L0006960	, L0006961	, L0006962	, L0006963	,
	, L0006965	, L0006966	,			
L0006972	L0006967	, L0006968	, L0006969	, L0006970	, L0006971	,
	, L0006973	, L0006974	,			
L0006980	L0006975	, L0006976	, L0006977	, L0006978	, L0006979	,
	, L0006981	, L0006982	,			
L0006988	L0006983	, L0006984	, L0006985	, L0006986	, L0006987	,
	, L0006989	, L0006990	,			
L0006996	L0006991	, L0006992	, L0006993	, L0006994	, L0006995	,
	, L0006997	, L0006998	,			

CO

L0007004 L0006999 , L0007000 , L0007001 , L0007002 , L0007003 ,
 , L0007005 , L0007006 ,

 L0007012 L0007007 , L0007008 , L0007009 , L0007010 , L0007011 ,
 , L0007013 , L0007014 ,

 L0007020 L0007015 , L0007016 , L0007017 , L0007018 , L0007019 ,
 , L0007021 , L0007022 ,

 L0007028 L0007023 , L0007024 , L0007025 , L0007026 , L0007027 ,
 , L0007029 , L0007030 ,

 L0007036 L0007031 , L0007032 , L0007033 , L0007034 , L0007035 ,
 , L0007037 , L0007038 ,

 L0007044 L0007039 , L0007040 , L0007041 , L0007042 , L0007043 ,
 , L0007045 , L0007046 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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L0007052 L0007047 , L0007048 , L0007049 , L0007050 , L0007051 , , L0007053 , L0007054 ,	
L0007060 L0007055 , L0007056 , L0007057 , L0007058 , L0007059 , , L0007061 , L0007062 ,	
L0007068 L0007063 , L0007064 , L0007065 , L0007066 , L0007067 , , L0007069 , L0007070 ,	
L0007076 L0007071 , L0007072 , L0007073 , L0007074 , L0007075 , , L0007077 , L0007078 ,	
L0007084 L0007079 , L0007080 , L0007081 , L0007082 , L0007083 , , L0007085 , L0007086 ,	

CO

L0007092 L0007087 , L0007088 , L0007089 , L0007090 , L0007091 ,
 , L0007093 , L0007094 ,

L0007100 L0007095 , L0007096 , L0007097 , L0007098 , L0007099 ,
 , L0007101 , L0007102 ,

L0007108 L0007103 , L0007104 , L0007105 , L0007106 , L0007107 ,
 , L0007109 , L0007110 ,

L0007116 L0007111 , L0007112 , L0007113 , L0007114 , L0007115 ,
 , L0007117 , L0007118 ,

L0007124 L0007119 , L0007120 , L0007121 , L0007122 , L0007123 ,
 , L0007125 , L0007126 ,

L0007132 L0007127 , L0007128 , L0007129 , L0007130 , L0007131 ,
 , L0007133 , L0007134 ,

L0007140 L0007135 , L0007136 , L0007137 , L0007138 , L0007139 ,
 , L0007141 , L0007142 ,

L0007148 L0007143 , L0007144 , L0007145 , L0007146 , L0007147 ,
 , L0007149 , L0007150 ,

L0007156 L0007151 , L0007152 , L0007153 , L0007154 , L0007155 ,
 , L0007157 , L0007158 ,

L0007164 L0007159 , L0007160 , L0007161 , L0007162 , L0007163 ,
 , L0007165 , L0007166 ,

L0007172 L0007167 , L0007168 , L0007169 , L0007170 , L0007171 ,
 , L0007173 , L0007174 ,

L0007180 L0007175 , L0007176 , L0007177 , L0007178 , L0007179 ,
 , L0007181 , L0007182 ,

L0007188 L0007183 , L0007184 , L0007185 , L0007186 , L0007187 ,
 , L0007189 , L0007190 ,

 L0007191 , L0007192 , L0007193 , L0007194 ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\N02\N02.isc *** 01/28/16
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

CO

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID -----	URBAN POP -----	SOURCE IDs -----			
L0006735 L0006738	2100516. , L0006736 ,	L0006731 , L0006737 ,	L0006732 ,	L0006733 ,	L0006734 ,
L0006744	L0006739 , L0006745	L0006740 , L0006746	L0006741 ,	L0006742 ,	L0006743 ,
L0006752	L0006747 , L0006753	L0006748 , L0006754	L0006749 ,	L0006750 ,	L0006751 ,
L0006760	L0006755 , L0006761	L0006756 , L0006762	L0006757 ,	L0006758 ,	L0006759 ,
L0006768	L0006763 , L0006769	L0006764 , L0006770	L0006765 ,	L0006766 ,	L0006767 ,
L0006776	L0006771 , L0006777	L0006772 , L0006778	L0006773 ,	L0006774 ,	L0006775 ,
L0006784	L0006779 , L0006785	L0006780 , L0006786	L0006781 ,	L0006782 ,	L0006783 ,
L0006792	L0006787 , L0006793	L0006788 , L0006794	L0006789 ,	L0006790 ,	L0006791 ,
L0006800	L0006795 , L0006801	L0006796 , L0006802	L0006797 ,	L0006798 ,	L0006799 ,
L0006808	L0006803 , L0006809	L0006804 , L0006810	L0006805 ,	L0006806 ,	L0006807 ,
L0006816	L0006811 , L0006817	L0006812 , L0006818	L0006813 ,	L0006814 ,	L0006815 ,
L0006824	L0006819 , L0006825	L0006820 , L0006826	L0006821 ,	L0006822 ,	L0006823 ,
L0006832	L0006827 , L0006833	L0006828 , L0006834	L0006829 ,	L0006830 ,	L0006831 ,

CO

L0006840 L0006835 , L0006836 , L0006837 , L0006838 , L0006839 ,
 , L0006841 , L0006842 ,

 L0006848 L0006843 , L0006844 , L0006845 , L0006846 , L0006847 ,
 , L0006849 , L0006850 ,

 L0006856 L0006851 , L0006852 , L0006853 , L0006854 , L0006855 ,
 , L0006857 , L0006858 ,

 L0006864 L0006859 , L0006860 , L0006861 , L0006862 , L0006863 ,
 , L0006865 , L0006866 ,

 L0006872 L0006867 , L0006868 , L0006869 , L0006870 , L0006871 ,
 , L0006873 , L0006874 ,

 L0006880 L0006875 , L0006876 , L0006877 , L0006878 , L0006879 ,
 , L0006881 , L0006882 ,

 L0006888 L0006883 , L0006884 , L0006885 , L0006886 , L0006887 ,
 , L0006889 , L0006890 ,

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\N02\N02.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0006896	L0006891 , L0006892 , L0006893 , L0006894 , L0006895 , , L0006897 , L0006898 ,	
L0006904	L0006899 , L0006900 , L0006901 , L0006902 , L0006903 , , L0006905 , L0006906 ,	
L0006912	L0006907 , L0006908 , L0006909 , L0006910 , L0006911 , , L0006913 , L0006914 ,	
L0006920	L0006915 , L0006916 , L0006917 , L0006918 , L0006919 , , L0006921 , L0006922 ,	

CO

L0006928 L0006923 , L0006924 , L0006925 , L0006926 , L0006927 ,
 , L0006929 , L0006930 , ,

L0006936 L0006931 , L0006932 , L0006933 , L0006934 , L0006935 ,
 , L0006937 , L0006938 , ,

L0006944 L0006939 , L0006940 , L0006941 , L0006942 , L0006943 ,
 , L0006945 , L0006946 , ,

L0006952 L0006947 , L0006948 , L0006949 , L0006950 , L0006951 ,
 , L0006953 , L0006954 , ,

L0006956 PAREA1 , PAREA2 , AREA1 , AREA2 , L0006955 ,
 , L0006957 , L0006958 , ,

L0006964 L0006959 , L0006960 , L0006961 , L0006962 , L0006963 ,
 , L0006965 , L0006966 , ,

L0006972 L0006967 , L0006968 , L0006969 , L0006970 , L0006971 ,
 , L0006973 , L0006974 , ,

L0006980 L0006975 , L0006976 , L0006977 , L0006978 , L0006979 ,
 , L0006981 , L0006982 , ,

L0006988 L0006983 , L0006984 , L0006985 , L0006986 , L0006987 ,
 , L0006989 , L0006990 , ,

L0006996 L0006991 , L0006992 , L0006993 , L0006994 , L0006995 ,
 , L0006997 , L0006998 , ,

L0007004 L0006999 , L0007000 , L0007001 , L0007002 , L0007003 ,
 , L0007005 , L0007006 , ,

L0007012 L0007007 , L0007008 , L0007009 , L0007010 , L0007011 ,
 , L0007013 , L0007014 , ,

L0007020 L0007015 , L0007016 , L0007017 , L0007018 , L0007019 ,
 , L0007021 , L0007022 , ,

L0007028 L0007023 , L0007024 , L0007025 , L0007026 , L0007027 ,
 , L0007029 , L0007030 , ,

L0007036 L0007031 , L0007032 , L0007033 , L0007034 , L0007035 ,
 , L0007037 , L0007038 , ,

L0007044 L0007039 , L0007040 , L0007041 , L0007042 , L0007043 ,
 , L0007045 , L0007046 , ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\N02\N02.isc *** 01/28/16
 *** AERMET - VERSION 14134 ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0007052	L0007047 , L0007053	L0007048 , L0007054 , L0007049 , L0007050 , L0007051 ,
L0007060	L0007055 , L0007061	L0007056 , L0007062 , L0007057 , L0007058 , L0007059 ,
L0007068	L0007063 , L0007069	L0007064 , L0007070 , L0007065 , L0007066 , L0007067 ,
L0007076	L0007071 , L0007077	L0007072 , L0007078 , L0007073 , L0007074 , L0007075 ,
L0007084	L0007079 , L0007085	L0007080 , L0007086 , L0007081 , L0007082 , L0007083 ,
L0007092	L0007087 , L0007093	L0007088 , L0007094 , L0007089 , L0007090 , L0007091 ,
L0007100	L0007095 , L0007101	L0007096 , L0007102 , L0007097 , L0007098 , L0007099 ,
L0007108	L0007103 , L0007109	L0007104 , L0007110 , L0007105 , L0007106 , L0007107 ,
L0007116	L0007111 , L0007117	L0007112 , L0007118 , L0007113 , L0007114 , L0007115 ,
L0007124	L0007119 , L0007125	L0007120 , L0007126 , L0007121 , L0007122 , L0007123 ,
L0007132	L0007127 , L0007133	L0007128 , L0007134 , L0007129 , L0007130 , L0007131 ,

CO

L0007140 L0007135 , L0007136 , L0007137 , L0007138 , L0007139 ,
 , L0007141 , L0007142 , ,

L0007148 L0007143 , L0007144 , L0007145 , L0007146 , L0007147 ,
 , L0007149 , L0007150 , ,

L0007156 L0007151 , L0007152 , L0007153 , L0007154 , L0007155 ,
 , L0007157 , L0007158 , ,

L0007164 L0007159 , L0007160 , L0007161 , L0007162 , L0007163 ,
 , L0007165 , L0007166 , ,

L0007172 L0007167 , L0007168 , L0007169 , L0007170 , L0007171 ,
 , L0007173 , L0007174 , ,

L0007180 L0007175 , L0007176 , L0007177 , L0007178 , L0007179 ,
 , L0007181 , L0007182 , ,

L0007188 L0007183 , L0007184 , L0007185 , L0007186 , L0007187 ,
 , L0007189 , L0007190 , ,

L0007191 , L0007192 , L0007193 , L0007194 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\N02\N02.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(474747.9, 3745949.7, 510.2, 517.0, 0.0); (474784.6,
 3745949.7, 504.4, 521.0, 0.0);
 (474821.2, 3745949.7, 500.6, 523.0, 0.0); (474857.9,
 3745949.7, 499.4, 517.0, 0.0);
 (474894.6, 3745949.7, 498.2, 498.2, 0.0); (474931.2,
 3745949.7, 496.0, 496.0, 0.0);
 (474967.9, 3745949.7, 494.7, 494.7, 0.0); (475004.6,
 3745949.7, 493.0, 493.0, 0.0);
 (475041.3, 3745949.7, 489.9, 489.9, 0.0); (475077.9,
 3745949.7, 487.2, 487.2, 0.0);
 (475114.6, 3745949.7, 486.9, 486.9, 0.0); (475151.3,
 3745949.7, 486.4, 486.4, 0.0);
 (475187.9, 3745949.7, 486.4, 486.4, 0.0); (475224.6,

CO

3745949.7, 483.6, 483.6, 0.0);
 (475261.3, 3745949.7, 482.0, 482.0, 0.0); (475298.0,
 3745949.7, 480.7, 480.7, 0.0);
 (475334.6, 3745949.7, 479.5, 479.5, 0.0); (475371.3,
 3745949.7, 478.3, 478.3, 0.0);
 (475408.0, 3745949.7, 478.0, 478.0, 0.0); (475444.6,
 3745949.7, 476.0, 476.0, 0.0);
 (475481.3, 3745949.7, 475.6, 475.6, 0.0); (474747.9,
 3745959.5, 510.2, 517.0, 0.0);
 (474784.6, 3745959.5, 504.1, 523.0, 0.0); (474821.2,
 3745959.5, 500.3, 523.0, 0.0);
 (474857.9, 3745959.5, 498.9, 519.0, 0.0); (474894.6,
 3745959.5, 497.5, 497.5, 0.0);
 (474931.2, 3745959.5, 495.6, 495.6, 0.0); (474967.9,
 3745959.5, 494.4, 494.4, 0.0);
 (475004.6, 3745959.5, 492.7, 492.7, 0.0); (475041.3,
 3745959.5, 489.8, 489.8, 0.0);
 (475077.9, 3745959.5, 487.4, 487.4, 0.0); (475114.6,
 3745959.5, 486.9, 486.9, 0.0);
 (475151.3, 3745959.5, 486.9, 486.9, 0.0); (475187.9,
 3745959.5, 486.5, 486.5, 0.0);
 (475224.6, 3745959.5, 483.8, 483.8, 0.0); (475261.3,
 3745959.5, 482.3, 482.3, 0.0);
 (475298.0, 3745959.5, 481.1, 481.1, 0.0); (475334.6,
 3745959.5, 479.8, 479.8, 0.0);
 (475371.3, 3745959.5, 478.6, 478.6, 0.0); (475408.0,
 3745959.5, 478.0, 478.0, 0.0);
 (475444.6, 3745959.5, 476.3, 476.3, 0.0); (475481.3,
 3745959.5, 475.6, 475.6, 0.0);
 (475854.1, 3746316.7, 466.2, 466.2, 0.0); (475863.3,
 3746274.2, 466.2, 466.2, 0.0);
 (474664.9, 3746299.9, 509.9, 523.0, 0.0); (474662.0,
 3746153.1, 507.5, 507.5, 0.0);
 (474663.5, 3746228.0, 510.2, 517.0, 0.0); (474771.4,
 3745956.1, 506.3, 521.0, 0.0);
 (474870.6, 3745958.9, 498.4, 517.0, 0.0); (474997.2,
 3745954.6, 493.4, 493.4, 0.0);
 (475493.6, 3746291.3, 474.1, 474.1, 0.0); (475487.8,
 3746194.9, 475.4, 475.4, 0.0);
 (475489.2, 3746118.6, 475.4, 475.4, 0.0); (475487.8,
 3746026.5, 475.2, 475.2, 0.0);
 (475487.8, 3745983.4, 475.4, 475.4, 0.0); (475983.6,
 3745850.6, 464.9, 464.9, 0.0);
 (475666.2, 3746386.1, 469.2, 469.2, 0.0); (475458.0,
 3746392.7, 473.6, 473.6, 0.0);
 (475552.8, 3746390.5, 472.1, 472.1, 0.0); (475923.0,
 3746380.6, 464.9, 464.9, 0.0);
 (475680.6, 3746815.8, 467.0, 467.0, 0.0); (475845.8,

CO
 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: ..\..\SRA24_Met Data\peri8.sfc

Met Version: 14134

Profile file: ..\..\SRA24_Met Data\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190

Name: UNKNOWN

Upper air station no.: 3190

Name: UNKNOWN

Year: 2007

Year: 2007

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.		9.1	279.9	5.5								
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.		9.1	279.2	5.5								
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.		9.1	277.5	5.5								
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.		9.1	277.5	5.5								
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.		9.1	278.8	5.5								
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.		9.1	277.5	5.5								
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.		9.1	278.1	5.5								
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.		9.1	277.5	5.5								
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.		9.1	278.1	5.5								
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.		9.1	281.4	5.5								
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23	0.50	95.		9.1	284.9	5.5								
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22	1.30	94.		9.1	288.1	5.5								
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	

CO

0.22	2.20	24.	9.1	291.4	5.5								
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00
0.23	3.60	13.	9.1	292.5	5.5								
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00
0.27	5.80	318.	9.1	292.0	5.5								
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.	9.1	291.4	5.5								
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.	9.1	289.9	5.5								
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.	9.1	288.8	5.5								
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.	9.1	287.5	5.5								
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.	9.1	287.5	5.5								
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5								
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5								
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5								
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\N02\N02.isc *** 01/28/16
 *** AERMET - VERSION 14134 ***
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0006731 , L0006732
 , L0006733 , L0006734 , L0006735 ,
 L0006736 , L0006737 , L0006738 , L0006739 , L0006740
 , L0006741 , L0006742 , L0006743 ,
 L0006744 , L0006745 , L0006746 , L0006747 , L0006748
 , L0006749 , L0006750 , L0006751 ,
 L0006752 , L0006753 , L0006754 , L0006755 , L0006756

, L0006757 , L0006758 , . . . ,

CO

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF NO2 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
474747.90	3745949.70	1.89448	474784.57
3745949.70	3.15249		
474821.24	3745949.70	4.24585	474857.91
3745949.70	4.12427		
474894.58	3745949.70	3.64516	474931.25
3745949.70	3.54971		
474967.92	3745949.70	3.97302	475004.59
3745949.70	4.91998		
475041.26	3745949.70	6.01176	475077.93
3745949.70	5.91908		
475114.60	3745949.70	6.06504	475151.27
3745949.70	6.62471		
475187.94	3745949.70	6.14845	475224.61
3745949.70	4.83898		
475261.28	3745949.70	4.07888	475297.95
3745949.70	3.76973		
475334.62	3745949.70	3.97430	475371.29
3745949.70	4.89933		
475407.96	3745949.70	6.09786	475444.63
3745949.70	5.46814		
475481.30	3745949.70	4.00231	474747.90
3745959.54	2.02622		
474784.57	3745959.54	3.67271	474821.24
3745959.54	4.99249		
474857.91	3745959.54	4.54934	474894.58
3745959.54	3.85970		
474931.25	3745959.54	3.73995	474967.92
3745959.54	4.26900		
475004.59	3745959.54	5.59699	475041.26
3745959.54	6.93087		
475077.93	3745959.54	6.52779	475114.60
3745959.54	6.71545		
475151.27	3745959.54	7.72926	475187.94
3745959.54	6.87494		
475224.61	3745959.54	5.09382	475261.28
3745959.54	4.23119		

			C0	
475297.95	3745959.54		3.92139	475334.62
3745959.54	4.24796			
475371.29	3745959.54		5.71539	475407.96
3745959.54	7.48659			
475444.63	3745959.54		6.37011	475481.30
3745959.54	4.24012			
475854.15	3746316.72		0.41155	475863.29
3746274.18	0.40993			
474664.93	3746299.89		1.75371	474662.05
3746153.15	1.97737			
474663.49	3746227.96		1.90059	474771.38
3745956.06	2.84137			
474870.65	3745958.94		4.23371	474997.25
3745954.62	4.93691			
475493.57	3746291.26		2.53430	475487.82
3746194.87	4.23230			
475489.25	3746118.62		5.05750	475487.82
3746026.55	4.85292			
475487.82	3745983.39		4.30744	475983.57
3745850.62	0.36332			
475666.25	3746386.09		0.72665	475458.03
3746392.70	1.72433			
475552.78	3746390.49		1.17088	475922.95
3746380.58	0.33482			
475680.57	3746815.75		0.40432	475845.83
3746556.85	0.36458			
475854.15	3746316.72		0.41155	475863.29

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\NO2\NO2.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
 *** 17:43:55

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED
 OVER 5 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0006731 , L0006732
 , L0006733 , L0006734 , L0006735 ,
 L0006736 , L0006737 , L0006738 , L0006739 , L0006740
 , L0006741 , L0006742 , L0006743 ,
 L0006744 , L0006745 , L0006746 , L0006747 , L0006748
 , L0006749 , L0006750 , L0006751 ,
 L0006752 , L0006753 , L0006754 , L0006755 , L0006756
 , L0006757 , L0006758 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

CO

** CONC OF NO2 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
474747.90	3745949.70	19.42686	474784.57
3745949.70	26.04350		
474821.24	3745949.70	28.62705	474857.91
3745949.70	22.91513		
474894.58	3745949.70	21.71336	474931.25
3745949.70	24.20308		
474967.92	3745949.70	29.16796	475004.59
3745949.70	34.76095		
475041.26	3745949.70	35.18971	475077.93
3745949.70	27.63394		
475114.60	3745949.70	31.84724	475151.27
3745949.70	35.47409		
475187.94	3745949.70	31.98795	475224.61
3745949.70	26.13548		
475261.28	3745949.70	22.72781	475297.95
3745949.70	20.59936		
475334.62	3745949.70	19.78851	475371.29
3745949.70	29.56038		
475407.96	3745949.70	36.10114	475444.63
3745949.70	32.74794		
475481.30	3745949.70	23.07397	474747.90
3745959.54	21.37306		
474784.57	3745959.54	28.99321	474821.24
3745959.54	32.17316		
474857.91	3745959.54	24.12094	474894.58
3745959.54	22.38529		
474931.25	3745959.54	24.90219	474967.92
3745959.54	30.77307		
475004.59	3745959.54	38.90546	475041.26
3745959.54	39.63848		
475077.93	3745959.54	29.54487	475114.60
3745959.54	35.35769		
475151.27	3745959.54	40.27003	475187.94
3745959.54	34.90370		
475224.61	3745959.54	27.52473	475261.28
3745959.54	23.59254		
475297.95	3745959.54	21.25341	475334.62
3745959.54	20.31599		
475371.29	3745959.54	33.00641	475407.96

			C0	
3745959.54	41.21222			
	475444.63	3745959.54	36.87610	475481.30
3745959.54	25.91635			
	475854.15	3746316.72	8.88005	475863.29
3746274.18	9.28346			
	474664.93	3746299.89	18.59627	474662.05
3746153.15	27.57760			
	474663.49	3746227.96	26.52768	474771.38
3745956.06	24.14190			
	474870.65	3745958.94	21.45607	474997.25
3745954.62	35.55569			
	475493.57	3746291.26	17.74553	475487.82
3746194.87	30.13192			
	475489.25	3746118.62	30.57551	475487.82
3746026.55	30.10290			
	475487.82	3745983.39	28.89571	475983.57
3745850.62	7.51730			
	475666.25	3746386.09	9.46246	475458.03
3746392.70	12.07178			
	475552.78	3746390.49	9.71158	475922.95
3746380.58	7.58660			
	475680.57	3746815.75	4.87217	475845.83
3746556.85	6.23101			
	475854.15	3746316.72	8.88005	475863.29

```

♀ *** AERMOD - VERSION 15181 ***   *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\N02\N02.isc       ***   01/28/16
*** AERMET - VERSION 14134 ***   ***
***                               ***   17:43:55

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**MODELOPTs:  RegDEFAULT CONC  ELEV  URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER  5 YEARS ***

```

```

** CONC OF NO2      IN MICROGRAMS/M**3
**

```

```

NETWORK
GROUP ID          AVERAGE CONC          RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG) OF TYPE  GRID-ID
-----

```

```

ALL      1ST HIGHEST VALUE IS  7.72926 AT ( 475151.27, 3745959.54,

```

C0

486.89, 486.89, 0.00) DC
 2ND HIGHEST VALUE IS 7.48659 AT (475407.96, 3745959.54,
 478.02, 478.02, 0.00) DC
 3RD HIGHEST VALUE IS 6.93087 AT (475041.26, 3745959.54,
 489.78, 489.78, 0.00) DC
 4TH HIGHEST VALUE IS 6.87494 AT (475187.94, 3745959.54,
 486.53, 486.53, 0.00) DC
 5TH HIGHEST VALUE IS 6.71545 AT (475114.60, 3745959.54,
 486.94, 486.94, 0.00) DC
 6TH HIGHEST VALUE IS 6.62471 AT (475151.27, 3745949.70,
 486.37, 486.37, 0.00) DC
 7TH HIGHEST VALUE IS 6.52779 AT (475077.93, 3745959.54,
 487.43, 487.43, 0.00) DC
 8TH HIGHEST VALUE IS 6.37011 AT (475444.63, 3745959.54,
 476.27, 476.27, 0.00) DC
 9TH HIGHEST VALUE IS 6.14845 AT (475187.94, 3745949.70,
 486.39, 486.39, 0.00) DC
 10TH HIGHEST VALUE IS 6.09786 AT (475407.96, 3745949.70,
 477.99, 477.99, 0.00) DC

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\N02\N02.isc *** 01/28/16
 *** AERMET - VERSION 14134 ***
 *** 17:43:55

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR
 RESULTS AVERAGED OVER 5 YEARS ***

** CONC OF NO2 IN MICROGRAMS/M**3

**

NETWORK
 GROUP ID AVERAGE CONC RECEPTOR (XR, YR,
 ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL 1ST HIGHEST VALUE IS 41.21222 AT (475407.96, 3745959.54,

C0

478.02,	478.02,	0.00)	DC			
	2ND HIGHEST VALUE IS			40.27003	AT (	475151.27, 3745959.54,
486.89,	486.89,	0.00)	DC			
	3RD HIGHEST VALUE IS			39.63848	AT (	475041.26, 3745959.54,
489.78,	489.78,	0.00)	DC			
	4TH HIGHEST VALUE IS			38.90546	AT (	475004.59, 3745959.54,
492.71,	492.71,	0.00)	DC			
	5TH HIGHEST VALUE IS			36.87610	AT (	475444.63, 3745959.54,
476.27,	476.27,	0.00)	DC			
	6TH HIGHEST VALUE IS			36.10114	AT (	475407.96, 3745949.70,
477.99,	477.99,	0.00)	DC			
	7TH HIGHEST VALUE IS			35.55569	AT (	474997.25, 3745954.62,
493.36,	493.36,	0.00)	DC			
	8TH HIGHEST VALUE IS			35.47409	AT (	475151.27, 3745949.70,
486.37,	486.37,	0.00)	DC			
	9TH HIGHEST VALUE IS			35.35769	AT (	475114.60, 3745959.54,
486.94,	486.94,	0.00)	DC			
	10TH HIGHEST VALUE IS			35.18971	AT (	475041.26, 3745949.70,
489.87,	489.87,	0.00)	DC			

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\N02\N02.isc *** 01/28/16
 *** AERMET - VERSION 14134 ***
 *** 17:43:55

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
 A Total of 2 Warning Message(s)
 A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

CO

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

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

CO W361 26 COCARD: Multiyear PERIOD/ANNUAL values for NO2/SO2 require
MULTYEAR Opt
ME W531 1294 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 1/28/2016
** File: C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\PM10\PM10.ADI
**

**
**

** AERMOD Control Pathway

**
**

CO STARTING
TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\PM10\PM10.isc
MODELOPT DFAULT CONC
AVERTIME 24 ANNUAL
URBANOPT 2100516
POLLUTID PM_10
RUNORNOT RUN
ERRORFIL PM10.err

CO FINISHED
**

** AERMOD Source Pathway

**
**

SO STARTING
** Source Location **

CO

** Source ID - Type - X Coord. - Y Coord. **

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC Idling Building E (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005777

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 474824.850, 3746236.554, 497.36, 4.00, 3.95

** 474820.373, 3745997.196, 500.21, 4.00, 3.95

**

LOCATION	L0007195	VOLUME	474824.771	3746232.304	496.81
LOCATION	L0007196	VOLUME	474824.612	3746223.806	496.96
LOCATION	L0007197	VOLUME	474824.453	3746215.307	497.11
LOCATION	L0007198	VOLUME	474824.294	3746206.809	497.26
LOCATION	L0007199	VOLUME	474824.135	3746198.310	497.40
LOCATION	L0007200	VOLUME	474823.976	3746189.812	497.55
LOCATION	L0007201	VOLUME	474823.817	3746181.313	498.12
LOCATION	L0007202	VOLUME	474823.658	3746172.815	498.69
LOCATION	L0007203	VOLUME	474823.499	3746164.316	499.26
LOCATION	L0007204	VOLUME	474823.340	3746155.818	499.43
LOCATION	L0007205	VOLUME	474823.181	3746147.319	499.19
LOCATION	L0007206	VOLUME	474823.022	3746138.821	498.95
LOCATION	L0007207	VOLUME	474822.863	3746130.322	498.72
LOCATION	L0007208	VOLUME	474822.704	3746121.824	498.57
LOCATION	L0007209	VOLUME	474822.545	3746113.325	498.42
LOCATION	L0007210	VOLUME	474822.386	3746104.827	498.27
LOCATION	L0007211	VOLUME	474822.227	3746096.328	498.18
LOCATION	L0007212	VOLUME	474822.068	3746087.830	498.20
LOCATION	L0007213	VOLUME	474821.909	3746079.331	498.21
LOCATION	L0007214	VOLUME	474821.750	3746070.833	498.22
LOCATION	L0007215	VOLUME	474821.591	3746062.334	498.48
LOCATION	L0007216	VOLUME	474821.432	3746053.836	498.78
LOCATION	L0007217	VOLUME	474821.273	3746045.337	499.07
LOCATION	L0007218	VOLUME	474821.114	3746036.839	499.26
LOCATION	L0007219	VOLUME	474820.955	3746028.340	499.27
LOCATION	L0007220	VOLUME	474820.796	3746019.842	499.28
LOCATION	L0007221	VOLUME	474820.637	3746011.343	499.29
LOCATION	L0007222	VOLUME	474820.478	3746002.845	499.38

** End of LINE VOLUME Source ID = SLINE1

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Idling Building E (East Side)

CO

** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00005777
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 2
** 475022.016, 3746232.412, 489.79, 4.00, 3.95
** 475017.538, 3745993.054, 491.56, 4.00, 3.95

** -----

LOCATION	VOLUME	Source ID	Source ID	Source ID
L0007223	475021.937	3746228.162	489.89	
L0007224	475021.778	3746219.664	489.87	
L0007225	475021.619	3746211.165	489.61	
L0007226	475021.460	3746202.667	489.35	
L0007227	475021.301	3746194.168	489.09	
L0007228	475021.142	3746185.670	489.11	
L0007229	475020.983	3746177.171	489.39	
L0007230	475020.824	3746168.673	489.68	
L0007231	475020.665	3746160.174	489.97	
L0007232	475020.506	3746151.676	489.71	
L0007233	475020.347	3746143.177	489.43	
L0007234	475020.188	3746134.679	489.15	
L0007235	475020.029	3746126.180	489.13	
L0007236	475019.870	3746117.682	489.41	
L0007237	475019.711	3746109.183	489.70	
L0007238	475019.552	3746100.685	489.99	
L0007239	475019.393	3746092.186	490.02	
L0007240	475019.234	3746083.688	490.03	
L0007241	475019.075	3746075.189	490.03	
L0007242	475018.916	3746066.691	490.04	
L0007243	475018.757	3746058.192	490.06	
L0007244	475018.598	3746049.694	490.08	
L0007245	475018.439	3746041.195	490.10	
L0007246	475018.280	3746032.697	490.34	
L0007247	475018.121	3746024.198	490.62	
L0007248	475017.962	3746015.700	490.89	
L0007249	475017.803	3746007.201	491.08	
L0007250	475017.644	3745998.702	491.11	

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Idling Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00007302

** Vertical Dimension = 4.00

CO

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

**

LOCATION	VOLUME			
L0007251	475163.701	3746225.768	485.02	
L0007252	475163.542	3746217.269	485.14	
L0007253	475163.383	3746208.771	484.93	
L0007254	475163.224	3746200.272	484.72	
L0007255	475163.065	3746191.774	484.51	
L0007256	475162.906	3746183.275	484.64	
L0007257	475162.747	3746174.777	484.87	
L0007258	475162.588	3746166.278	485.09	
L0007259	475162.429	3746157.780	485.25	
L0007260	475162.270	3746149.281	485.26	
L0007261	475162.111	3746140.783	485.26	
L0007262	475161.953	3746132.284	485.27	
L0007263	475161.794	3746123.785	485.48	
L0007264	475161.635	3746115.287	485.77	
L0007265	475161.476	3746106.788	486.06	
L0007266	475161.317	3746098.290	486.29	
L0007267	475161.158	3746089.791	486.29	
L0007268	475160.999	3746081.293	486.30	
L0007269	475160.840	3746072.794	486.31	
L0007270	475160.681	3746064.296	486.50	
L0007271	475160.522	3746055.797	486.79	
L0007272	475160.363	3746047.299	487.08	
L0007273	475160.204	3746038.800	487.35	
L0007274	475160.045	3746030.302	487.55	
L0007275	475159.886	3746021.803	487.74	
L0007276	475159.727	3746013.305	487.93	
L0007277	475159.568	3746004.806	488.00	
L0007278	475159.409	3745996.308	488.00	

** End of LINE VOLUME Source ID = SLINE3

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Idling Building D (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00007302

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

**

CO

LOCATION	VOLUME			
L0007279	475392.153	3746219.541	477.59	
L0007280	475391.994	3746211.043	477.60	
L0007281	475391.835	3746202.544	477.61	
L0007282	475391.676	3746194.046	477.61	
L0007283	475391.517	3746185.547	477.56	
L0007284	475391.358	3746177.049	477.46	
L0007285	475391.200	3746168.550	477.36	
L0007286	475391.041	3746160.052	477.26	
L0007287	475390.882	3746151.553	477.27	
L0007288	475390.723	3746143.055	477.29	
L0007289	475390.564	3746134.556	477.30	
L0007290	475390.405	3746126.058	477.35	
L0007291	475390.246	3746117.559	477.46	
L0007292	475390.087	3746109.061	477.56	
L0007293	475389.928	3746100.562	477.66	
L0007294	475389.769	3746092.064	477.67	
L0007295	475389.610	3746083.565	477.68	
L0007296	475389.451	3746075.067	477.68	
L0007297	475389.292	3746066.568	477.69	
L0007298	475389.133	3746058.070	477.70	
L0007299	475388.974	3746049.571	477.70	
L0007300	475388.815	3746041.073	477.71	
L0007301	475388.656	3746032.574	477.96	
L0007302	475388.497	3746024.076	478.25	
L0007303	475388.338	3746015.577	478.54	
L0007304	475388.179	3746007.079	478.73	
L0007305	475388.020	3745998.580	478.73	
L0007306	475387.861	3745990.082	478.74	

** End of LINE VOLUME Source ID = SLINE4

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC On-Site Travel Building E (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005351

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 474824.850, 3746236.554, 497.36, 4.00, 3.95

** 474820.373, 3745997.196, 500.21, 4.00, 3.95

**

L0007307	474824.771	3746232.304	496.81	
L0007308	474824.612	3746223.806	496.96	
L0007309	474824.453	3746215.307	497.11	
L0007310	474824.294	3746206.809	497.26	
L0007311	474824.135	3746198.310	497.40	

CO

LOCATION L0007312	VOLUME	474823.976	3746189.812	497.55
LOCATION L0007313	VOLUME	474823.817	3746181.313	498.12
LOCATION L0007314	VOLUME	474823.658	3746172.815	498.69
LOCATION L0007315	VOLUME	474823.499	3746164.316	499.26
LOCATION L0007316	VOLUME	474823.340	3746155.818	499.43
LOCATION L0007317	VOLUME	474823.181	3746147.319	499.19
LOCATION L0007318	VOLUME	474823.022	3746138.821	498.95
LOCATION L0007319	VOLUME	474822.863	3746130.322	498.72
LOCATION L0007320	VOLUME	474822.704	3746121.824	498.57
LOCATION L0007321	VOLUME	474822.545	3746113.325	498.42
LOCATION L0007322	VOLUME	474822.386	3746104.827	498.27
LOCATION L0007323	VOLUME	474822.227	3746096.328	498.18
LOCATION L0007324	VOLUME	474822.068	3746087.830	498.20
LOCATION L0007325	VOLUME	474821.909	3746079.331	498.21
LOCATION L0007326	VOLUME	474821.750	3746070.833	498.22
LOCATION L0007327	VOLUME	474821.591	3746062.334	498.48
LOCATION L0007328	VOLUME	474821.432	3746053.836	498.78
LOCATION L0007329	VOLUME	474821.273	3746045.337	499.07
LOCATION L0007330	VOLUME	474821.114	3746036.839	499.26
LOCATION L0007331	VOLUME	474820.955	3746028.340	499.27
LOCATION L0007332	VOLUME	474820.796	3746019.842	499.28
LOCATION L0007333	VOLUME	474820.637	3746011.343	499.29
LOCATION L0007334	VOLUME	474820.478	3746002.845	499.38

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC On-Site Travel Building E (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005351

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475022.016, 3746232.412, 489.79, 4.00, 3.95

** 475017.538, 3745993.054, 491.56, 4.00, 3.95

** -----

LOCATION L0007335	VOLUME	475021.937	3746228.162	489.89
LOCATION L0007336	VOLUME	475021.778	3746219.664	489.87
LOCATION L0007337	VOLUME	475021.619	3746211.165	489.61
LOCATION L0007338	VOLUME	475021.460	3746202.667	489.35
LOCATION L0007339	VOLUME	475021.301	3746194.168	489.09
LOCATION L0007340	VOLUME	475021.142	3746185.670	489.11
LOCATION L0007341	VOLUME	475020.983	3746177.171	489.39
LOCATION L0007342	VOLUME	475020.824	3746168.673	489.68
LOCATION L0007343	VOLUME	475020.665	3746160.174	489.97
LOCATION L0007344	VOLUME	475020.506	3746151.676	489.71

CO

LOCATION L0007345	VOLUME	475020.347	3746143.177	489.43
LOCATION L0007346	VOLUME	475020.188	3746134.679	489.15
LOCATION L0007347	VOLUME	475020.029	3746126.180	489.13
LOCATION L0007348	VOLUME	475019.870	3746117.682	489.41
LOCATION L0007349	VOLUME	475019.711	3746109.183	489.70
LOCATION L0007350	VOLUME	475019.552	3746100.685	489.99
LOCATION L0007351	VOLUME	475019.393	3746092.186	490.02
LOCATION L0007352	VOLUME	475019.234	3746083.688	490.03
LOCATION L0007353	VOLUME	475019.075	3746075.189	490.03
LOCATION L0007354	VOLUME	475018.916	3746066.691	490.04
LOCATION L0007355	VOLUME	475018.757	3746058.192	490.06
LOCATION L0007356	VOLUME	475018.598	3746049.694	490.08
LOCATION L0007357	VOLUME	475018.439	3746041.195	490.10
LOCATION L0007358	VOLUME	475018.280	3746032.697	490.34
LOCATION L0007359	VOLUME	475018.121	3746024.198	490.62
LOCATION L0007360	VOLUME	475017.962	3746015.700	490.89
LOCATION L0007361	VOLUME	475017.803	3746007.201	491.08
LOCATION L0007362	VOLUME	475017.644	3745998.702	491.11

** End of LINE VOLUME Source ID = SLINE6

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Travel Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00006764

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

**

LOCATION L0007363 VOLUME 475163.701 3746225.768 485.02
LOCATION L0007364 VOLUME 475163.542 3746217.269 485.14
LOCATION L0007365 VOLUME 475163.383 3746208.771 484.93
LOCATION L0007366 VOLUME 475163.224 3746200.272 484.72
LOCATION L0007367 VOLUME 475163.065 3746191.774 484.51
LOCATION L0007368 VOLUME 475162.906 3746183.275 484.64
LOCATION L0007369 VOLUME 475162.747 3746174.777 484.87
LOCATION L0007370 VOLUME 475162.588 3746166.278 485.09
LOCATION L0007371 VOLUME 475162.429 3746157.780 485.25
LOCATION L0007372 VOLUME 475162.270 3746149.281 485.26
LOCATION L0007373 VOLUME 475162.111 3746140.783 485.26
LOCATION L0007374 VOLUME 475161.953 3746132.284 485.27
LOCATION L0007375 VOLUME 475161.794 3746123.785 485.48
LOCATION L0007376 VOLUME 475161.635 3746115.287 485.77
LOCATION L0007377 VOLUME 475161.476 3746106.788 486.06

CO

LOCATION L0007378	VOLUME	475161.317	3746098.290	486.29
LOCATION L0007379	VOLUME	475161.158	3746089.791	486.29
LOCATION L0007380	VOLUME	475160.999	3746081.293	486.30
LOCATION L0007381	VOLUME	475160.840	3746072.794	486.31
LOCATION L0007382	VOLUME	475160.681	3746064.296	486.50
LOCATION L0007383	VOLUME	475160.522	3746055.797	486.79
LOCATION L0007384	VOLUME	475160.363	3746047.299	487.08
LOCATION L0007385	VOLUME	475160.204	3746038.800	487.35
LOCATION L0007386	VOLUME	475160.045	3746030.302	487.55
LOCATION L0007387	VOLUME	475159.886	3746021.803	487.74
LOCATION L0007388	VOLUME	475159.727	3746013.305	487.93
LOCATION L0007389	VOLUME	475159.568	3746004.806	488.00
LOCATION L0007390	VOLUME	475159.409	3745996.308	488.00

** End of LINE VOLUME Source ID = SLINE7

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Travel Building D (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00006764

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

**

LOCATION L0007391	VOLUME	475392.153	3746219.541	477.59
LOCATION L0007392	VOLUME	475391.994	3746211.043	477.60
LOCATION L0007393	VOLUME	475391.835	3746202.544	477.61
LOCATION L0007394	VOLUME	475391.676	3746194.046	477.61
LOCATION L0007395	VOLUME	475391.517	3746185.547	477.56
LOCATION L0007396	VOLUME	475391.358	3746177.049	477.46
LOCATION L0007397	VOLUME	475391.200	3746168.550	477.36
LOCATION L0007398	VOLUME	475391.041	3746160.052	477.26
LOCATION L0007399	VOLUME	475390.882	3746151.553	477.27
LOCATION L0007400	VOLUME	475390.723	3746143.055	477.29
LOCATION L0007401	VOLUME	475390.564	3746134.556	477.30
LOCATION L0007402	VOLUME	475390.405	3746126.058	477.35
LOCATION L0007403	VOLUME	475390.246	3746117.559	477.46
LOCATION L0007404	VOLUME	475390.087	3746109.061	477.56
LOCATION L0007405	VOLUME	475389.928	3746100.562	477.66
LOCATION L0007406	VOLUME	475389.769	3746092.064	477.67
LOCATION L0007407	VOLUME	475389.610	3746083.565	477.68
LOCATION L0007408	VOLUME	475389.451	3746075.067	477.68
LOCATION L0007409	VOLUME	475389.292	3746066.568	477.69
LOCATION L0007410	VOLUME	475389.133	3746058.070	477.70

CO

LOCATION L0007411	VOLUME	475388.974	3746049.571	477.70
LOCATION L0007412	VOLUME	475388.815	3746041.073	477.71
LOCATION L0007413	VOLUME	475388.656	3746032.574	477.96
LOCATION L0007414	VOLUME	475388.497	3746024.076	478.25
LOCATION L0007415	VOLUME	475388.338	3746015.577	478.54
LOCATION L0007416	VOLUME	475388.179	3746007.079	478.73
LOCATION L0007417	VOLUME	475388.020	3745998.580	478.73
LOCATION L0007418	VOLUME	475387.861	3745990.082	478.74
** End of LINE VOLUME Source ID = SLINE8				
LOCATION PAREA1	AREAPOLY	474745.374	3746237.975	502.460
** DESCRSRC Yard Tractors Building E (West Side)				
LOCATION PAREA2	AREAPOLY	475006.383	3746235.194	490.450
** DESCRSRC Yard Tractors Building E (East Side)				
LOCATION AREA1	AREA	475113.660	3745988.060	487.360
** DESCRSRC Yard Tractors Building E (West Side)				
LOCATION AREA2	AREA	475380.860	3745968.940	478.610
** DESCRSRC Yard Tractors Building D (East Side)				
** -----				
** Line Source Represented by Adjacent Volume Sources				
** LINE VOLUME Source ID = SLINE9				
** DESCRSRC On-Site Idling Building D - Passenger Cars				
** PREFIX				
** Length of Side = 8.50				
** Configuration = Adjacent				
** Emission Rate = 0.00003002				
** Vertical Dimension = 1.00				
** SZINIT = 0.47				
** Nodes = 36				
** 475444.211, 3746318.914, 474.96, 0.00, 3.95				
** 475433.973, 3746293.986, 475.37, 0.00, 3.95				
** 475425.070, 3746286.864, 475.62, 0.00, 3.95				
** 475436.644, 3746279.742, 476.22, 0.00, 3.95				
** 475460.236, 3746295.767, 475.15, 0.00, 3.95				
** 475459.346, 3746304.224, 475.20, 0.00, 3.95				
** 475471.364, 3746303.779, 474.79, 0.00, 3.95				
** 475477.596, 3746301.999, 474.73, 0.00, 3.95				
** 475476.261, 3746287.309, 474.88, 0.00, 3.95				
** 475476.261, 3746263.717, 475.17, 0.00, 3.95				
** 475475.816, 3746250.362, 475.06, 0.00, 3.95				
** 475460.681, 3746246.801, 476.21, 0.00, 3.95				
** 475433.528, 3746244.576, 476.58, 0.00, 3.95				
** 475420.618, 3746249.027, 476.83, 0.00, 3.95				
** 475423.289, 3746265.052, 476.17, 0.00, 3.95				
** 475428.186, 3746274.400, 476.21, 0.00, 3.95				
** 475425.960, 3746283.303, 475.56, 0.00, 3.95				
** 475421.954, 3746285.974, 475.77, 0.00, 3.95				
** 475414.832, 3746296.657, 475.92, 0.00, 3.95				
** 475405.484, 3746298.437, 476.44, 0.00, 3.95				

CO

** 475385.452, 3746298.883, 476.91, 0.00, 3.95
 ** 475362.750, 3746302.444, 477.77, 0.00, 3.95
 ** 475328.920, 3746306.895, 478.86, 0.00, 3.95
 ** 475307.553, 3746306.895, 479.71, 0.00, 3.95
 ** 475280.399, 3746306.895, 480.66, 0.00, 3.95
 ** 475248.795, 3746305.560, 481.67, 0.00, 3.95
 ** 475221.641, 3746304.224, 482.60, 0.00, 3.95
 ** 475207.842, 3746301.999, 482.87, 0.00, 3.95
 ** 475185.585, 3746306.005, 483.73, 0.00, 3.95
 ** 475166.889, 3746301.108, 484.54, 0.00, 3.95
 ** 475158.431, 3746300.218, 484.71, 0.00, 3.95
 ** 475137.510, 3746301.108, 485.76, 0.00, 3.95
 ** 475129.052, 3746299.773, 486.02, 0.00, 3.95
 ** 475125.936, 3746289.980, 486.05, 0.00, 3.95
 ** 475128.162, 3746270.394, 485.72, 0.00, 3.95
 ** 475127.717, 3746259.265, 485.56, 0.00, 3.95

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LOCATION L0007419	VOLUME	475442.596	3746314.983	474.91
LOCATION L0007420	VOLUME	475439.367	3746307.120	475.02
LOCATION L0007421	VOLUME	475436.138	3746299.257	475.13
LOCATION L0007422	VOLUME	475431.785	3746292.236	475.27
LOCATION L0007423	VOLUME	475425.148	3746286.926	475.50
LOCATION L0007424	VOLUME	475432.224	3746282.461	475.26
LOCATION L0007425	VOLUME	475439.382	3746281.602	475.02
LOCATION L0007426	VOLUME	475446.414	3746286.378	474.95
LOCATION L0007427	VOLUME	475453.445	3746291.154	474.83
LOCATION L0007428	VOLUME	475460.205	3746296.056	474.64
LOCATION L0007429	VOLUME	475459.632	3746304.214	474.47
LOCATION L0007430	VOLUME	475468.126	3746303.899	474.25
LOCATION L0007431	VOLUME	475476.421	3746302.334	474.20
LOCATION L0007432	VOLUME	475476.937	3746294.751	474.39
LOCATION L0007433	VOLUME	475476.261	3746286.281	474.63
LOCATION L0007434	VOLUME	475476.261	3746277.781	474.81
LOCATION L0007435	VOLUME	475476.261	3746269.281	474.87
LOCATION L0007436	VOLUME	475476.163	3746260.783	474.93
LOCATION L0007437	VOLUME	475475.880	3746252.288	474.99
LOCATION L0007438	VOLUME	475469.417	3746248.857	475.06
LOCATION L0007439	VOLUME	475461.143	3746246.910	475.37
LOCATION L0007440	VOLUME	475452.682	3746246.146	475.63
LOCATION L0007441	VOLUME	475444.211	3746245.451	475.88
LOCATION L0007442	VOLUME	475435.739	3746244.757	476.02
LOCATION L0007443	VOLUME	475427.590	3746246.623	476.05
LOCATION L0007444	VOLUME	475420.804	3746250.138	476.00
LOCATION L0007445	VOLUME	475422.201	3746258.522	475.88
LOCATION L0007446	VOLUME	475424.162	3746266.717	475.74
LOCATION L0007447	VOLUME	475428.106	3746274.247	475.51
LOCATION L0007448	VOLUME	475426.166	3746282.479	475.46
LOCATION L0007449	VOLUME	475420.381	3746288.333	475.65

CO

LOCATION	VOLUME			
L0007450	475415.666	3746295.405	475.81	
L0007451	475407.959	3746297.966	476.07	
L0007452	475399.505	3746298.570	476.35	
L0007453	475391.008	3746298.759	476.63	
L0007454	475382.544	3746299.339	476.92	
L0007455	475374.147	3746300.656	477.20	
L0007456	475365.750	3746301.973	477.48	
L0007457	475357.333	3746303.157	477.76	
L0007458	475348.906	3746304.265	478.01	
L0007459	475340.478	3746305.374	478.05	
L0007460	475332.051	3746306.483	478.07	
L0007461	475323.578	3746306.895	478.09	
L0007462	475315.078	3746306.895	478.41	
L0007463	475306.578	3746306.895	478.95	
L0007464	475298.078	3746306.895	479.49	
L0007465	475289.578	3746306.895	480.01	
L0007466	475281.078	3746306.895	480.30	
L0007467	475272.585	3746306.565	480.58	
L0007468	475264.093	3746306.206	480.86	
L0007469	475255.600	3746305.847	481.15	
L0007470	475247.108	3746305.477	481.43	
L0007471	475238.619	3746305.059	481.71	
L0007472	475230.129	3746304.642	482.00	
L0007473	475221.639	3746304.224	482.28	
L0007474	475213.248	3746302.870	482.56	
L0007475	475204.865	3746302.534	482.84	
L0007476	475196.500	3746304.040	483.12	
L0007477	475188.134	3746305.546	483.40	
L0007478	475179.868	3746304.508	483.67	
L0007479	475171.645	3746302.354	483.95	
L0007480	475163.325	3746300.733	484.38	
L0007481	475154.856	3746300.370	484.85	
L0007482	475146.363	3746300.732	485.33	
L0007483	475137.871	3746301.093	485.80	
L0007484	475129.471	3746299.839	486.13	
L0007485	475126.603	3746292.077	486.12	
L0007486	475126.647	3746283.721	485.96	
L0007487	475127.607	3746275.275	485.76	
L0007488	475128.018	3746266.810	485.62	

** End of LINE VOLUME Source ID = SLINE9

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC On-Site Travel Building D - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00001786

CO

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** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 36
** 475444.211, 3746318.914, 474.96, 0.00, 3.95
** 475433.973, 3746293.986, 475.37, 0.00, 3.95
** 475425.070, 3746286.864, 475.62, 0.00, 3.95
** 475436.644, 3746279.742, 476.22, 0.00, 3.95
** 475460.236, 3746295.767, 475.15, 0.00, 3.95
** 475459.346, 3746304.224, 475.20, 0.00, 3.95
** 475471.364, 3746303.779, 474.79, 0.00, 3.95
** 475477.596, 3746301.999, 474.73, 0.00, 3.95
** 475476.261, 3746287.309, 474.88, 0.00, 3.95
** 475476.261, 3746263.717, 475.17, 0.00, 3.95
** 475475.816, 3746250.362, 475.06, 0.00, 3.95
** 475460.681, 3746246.801, 476.21, 0.00, 3.95
** 475433.528, 3746244.576, 476.58, 0.00, 3.95
** 475420.618, 3746249.027, 476.83, 0.00, 3.95
** 475423.289, 3746265.052, 476.17, 0.00, 3.95
** 475428.186, 3746274.400, 476.21, 0.00, 3.95
** 475425.960, 3746283.303, 475.56, 0.00, 3.95
** 475421.954, 3746285.974, 475.77, 0.00, 3.95
** 475414.832, 3746296.657, 475.92, 0.00, 3.95
** 475405.484, 3746298.437, 476.44, 0.00, 3.95
** 475385.452, 3746298.883, 476.91, 0.00, 3.95
** 475362.750, 3746302.444, 477.77, 0.00, 3.95
** 475328.920, 3746306.895, 478.86, 0.00, 3.95
** 475307.553, 3746306.895, 479.71, 0.00, 3.95
** 475280.399, 3746306.895, 480.66, 0.00, 3.95
** 475248.795, 3746305.560, 481.67, 0.00, 3.95
** 475221.641, 3746304.224, 482.60, 0.00, 3.95
** 475207.842, 3746301.999, 482.87, 0.00, 3.95
** 475185.585, 3746306.005, 483.73, 0.00, 3.95
** 475166.889, 3746301.108, 484.54, 0.00, 3.95
** 475158.431, 3746300.218, 484.71, 0.00, 3.95
** 475137.510, 3746301.108, 485.76, 0.00, 3.95
** 475129.052, 3746299.773, 486.02, 0.00, 3.95
** 475125.936, 3746289.980, 486.05, 0.00, 3.95
** 475128.162, 3746270.394, 485.72, 0.00, 3.95
** 475127.717, 3746259.265, 485.56, 0.00, 3.95

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LOCATION L0007489    VOLUME  475442.596 3746314.983 474.91
LOCATION L0007490    VOLUME  475439.367 3746307.120 475.02
LOCATION L0007491    VOLUME  475436.138 3746299.257 475.13
LOCATION L0007492    VOLUME  475431.785 3746292.236 475.27
LOCATION L0007493    VOLUME  475425.148 3746286.926 475.50
LOCATION L0007494    VOLUME  475432.224 3746282.461 475.26
LOCATION L0007495    VOLUME  475439.382 3746281.602 475.02
LOCATION L0007496    VOLUME  475446.414 3746286.378 474.95

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CO

LOCATION L0007497	VOLUME	475453.445	3746291.154	474.83
LOCATION L0007498	VOLUME	475460.205	3746296.056	474.64
LOCATION L0007499	VOLUME	475459.632	3746304.214	474.47
LOCATION L0007500	VOLUME	475468.126	3746303.899	474.25
LOCATION L0007501	VOLUME	475476.421	3746302.334	474.20
LOCATION L0007502	VOLUME	475476.937	3746294.751	474.39
LOCATION L0007503	VOLUME	475476.261	3746286.281	474.63
LOCATION L0007504	VOLUME	475476.261	3746277.781	474.81
LOCATION L0007505	VOLUME	475476.261	3746269.281	474.87
LOCATION L0007506	VOLUME	475476.163	3746260.783	474.93
LOCATION L0007507	VOLUME	475475.880	3746252.288	474.99
LOCATION L0007508	VOLUME	475469.417	3746248.857	475.06
LOCATION L0007509	VOLUME	475461.143	3746246.910	475.37
LOCATION L0007510	VOLUME	475452.682	3746246.146	475.63
LOCATION L0007511	VOLUME	475444.211	3746245.451	475.88
LOCATION L0007512	VOLUME	475435.739	3746244.757	476.02
LOCATION L0007513	VOLUME	475427.590	3746246.623	476.05
LOCATION L0007514	VOLUME	475420.804	3746250.138	476.00
LOCATION L0007515	VOLUME	475422.201	3746258.522	475.88
LOCATION L0007516	VOLUME	475424.162	3746266.717	475.74
LOCATION L0007517	VOLUME	475428.106	3746274.247	475.51
LOCATION L0007518	VOLUME	475426.166	3746282.479	475.46
LOCATION L0007519	VOLUME	475420.381	3746288.333	475.65
LOCATION L0007520	VOLUME	475415.666	3746295.405	475.81
LOCATION L0007521	VOLUME	475407.959	3746297.966	476.07
LOCATION L0007522	VOLUME	475399.505	3746298.570	476.35
LOCATION L0007523	VOLUME	475391.008	3746298.759	476.63
LOCATION L0007524	VOLUME	475382.544	3746299.339	476.92
LOCATION L0007525	VOLUME	475374.147	3746300.656	477.20
LOCATION L0007526	VOLUME	475365.750	3746301.973	477.48
LOCATION L0007527	VOLUME	475357.333	3746303.157	477.76
LOCATION L0007528	VOLUME	475348.906	3746304.265	478.01
LOCATION L0007529	VOLUME	475340.478	3746305.374	478.05
LOCATION L0007530	VOLUME	475332.051	3746306.483	478.07
LOCATION L0007531	VOLUME	475323.578	3746306.895	478.09
LOCATION L0007532	VOLUME	475315.078	3746306.895	478.41
LOCATION L0007533	VOLUME	475306.578	3746306.895	478.95
LOCATION L0007534	VOLUME	475298.078	3746306.895	479.49
LOCATION L0007535	VOLUME	475289.578	3746306.895	480.01
LOCATION L0007536	VOLUME	475281.078	3746306.895	480.30
LOCATION L0007537	VOLUME	475272.585	3746306.565	480.58
LOCATION L0007538	VOLUME	475264.093	3746306.206	480.86
LOCATION L0007539	VOLUME	475255.600	3746305.847	481.15
LOCATION L0007540	VOLUME	475247.108	3746305.477	481.43
LOCATION L0007541	VOLUME	475238.619	3746305.059	481.71
LOCATION L0007542	VOLUME	475230.129	3746304.642	482.00
LOCATION L0007543	VOLUME	475221.639	3746304.224	482.28
LOCATION L0007544	VOLUME	475213.248	3746302.870	482.56

CO

LOCATION L0007545	VOLUME	475204.865	3746302.534	482.84
LOCATION L0007546	VOLUME	475196.500	3746304.040	483.12
LOCATION L0007547	VOLUME	475188.134	3746305.546	483.40
LOCATION L0007548	VOLUME	475179.868	3746304.508	483.67
LOCATION L0007549	VOLUME	475171.645	3746302.354	483.95
LOCATION L0007550	VOLUME	475163.325	3746300.733	484.38
LOCATION L0007551	VOLUME	475154.856	3746300.370	484.85
LOCATION L0007552	VOLUME	475146.363	3746300.732	485.33
LOCATION L0007553	VOLUME	475137.871	3746301.093	485.80
LOCATION L0007554	VOLUME	475129.471	3746299.839	486.13
LOCATION L0007555	VOLUME	475126.603	3746292.077	486.12
LOCATION L0007556	VOLUME	475126.647	3746283.721	485.96
LOCATION L0007557	VOLUME	475127.607	3746275.275	485.76
LOCATION L0007558	VOLUME	475128.018	3746266.810	485.62

** End of LINE VOLUME Source ID = SLINE10

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE11

** DESCRSRC On-Site Idling Building E - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00002374

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 7

** 475033.115, 3746319.529, 489.72, 0.00, 0.00

** 475031.535, 3746319.924, 489.78, 0.00, 3.95

** 475032.522, 3746303.925, 489.78, 0.00, 3.95

** 474752.241, 3746305.703, 501.70, 0.00, 3.95

** 474752.438, 3746256.520, 502.01, 0.00, 3.95

** 474788.585, 3746247.829, 499.73, 0.00, 3.95

** 474798.263, 3746289.704, 498.67, 0.00, 3.95

** -----

LOCATION L0007559	VOLUME	475031.696	3746317.308	489.61
LOCATION L0007560	VOLUME	475032.220	3746308.824	489.59
LOCATION L0007561	VOLUME	475028.931	3746303.948	489.70
LOCATION L0007562	VOLUME	475020.431	3746304.002	489.99
LOCATION L0007563	VOLUME	475011.931	3746304.056	490.27
LOCATION L0007564	VOLUME	475003.431	3746304.110	490.55
LOCATION L0007565	VOLUME	474994.932	3746304.164	490.84
LOCATION L0007566	VOLUME	474986.432	3746304.218	491.12
LOCATION L0007567	VOLUME	474977.932	3746304.271	491.40
LOCATION L0007568	VOLUME	474969.432	3746304.325	491.69
LOCATION L0007569	VOLUME	474960.932	3746304.379	491.97
LOCATION L0007570	VOLUME	474952.432	3746304.433	492.46
LOCATION L0007571	VOLUME	474943.933	3746304.487	492.97
LOCATION L0007572	VOLUME	474935.433	3746304.541	493.49

CO

LOCATION	VOLUME			
L0007573	474926.933	3746304.595	493.82	
L0007574	474918.433	3746304.649	493.82	
L0007575	474909.933	3746304.703	493.82	
L0007576	474901.433	3746304.757	493.83	
L0007577	474892.934	3746304.811	494.06	
L0007578	474884.434	3746304.864	494.35	
L0007579	474875.934	3746304.918	494.63	
L0007580	474867.434	3746304.972	495.00	
L0007581	474858.934	3746305.026	495.57	
L0007582	474850.434	3746305.080	496.14	
L0007583	474841.935	3746305.134	496.71	
L0007584	474833.435	3746305.188	497.09	
L0007585	474824.935	3746305.242	497.42	
L0007586	474816.435	3746305.296	497.75	
L0007587	474807.935	3746305.350	498.07	
L0007588	474799.435	3746305.404	498.35	
L0007589	474790.936	3746305.457	498.64	
L0007590	474782.436	3746305.511	498.92	
L0007591	474773.936	3746305.565	499.61	
L0007592	474765.436	3746305.619	500.46	
L0007593	474756.936	3746305.673	501.31	
L0007594	474752.256	3746301.899	501.77	
L0007595	474752.290	3746293.399	501.77	
L0007596	474752.324	3746284.899	501.77	
L0007597	474752.358	3746276.399	501.77	
L0007598	474752.393	3746267.899	501.79	
L0007599	474752.427	3746259.399	501.81	
L0007600	474757.904	3746255.206	501.43	
L0007601	474766.168	3746253.219	500.86	
L0007602	474774.433	3746251.232	500.34	
L0007603	474782.697	3746249.245	499.82	
L0007604	474789.135	3746250.211	499.39	
L0007605	474791.049	3746258.493	499.08	
L0007606	474792.963	3746266.775	498.82	
L0007607	474794.878	3746275.056	498.59	
L0007608	474796.792	3746283.338	498.44	

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC On-Site Travel Building E - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00001008

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 7

CO

** 475033.115, 3746319.529, 489.72, 0.00, 0.00
 ** 475031.535, 3746319.924, 489.78, 0.00, 3.95
 ** 475032.522, 3746303.925, 489.78, 0.00, 3.95
 ** 474752.241, 3746305.703, 501.70, 0.00, 3.95
 ** 474752.438, 3746256.520, 502.01, 0.00, 3.95
 ** 474788.585, 3746247.829, 499.73, 0.00, 3.95
 ** 474798.263, 3746289.704, 498.67, 0.00, 3.95

** -----

LOCATION L0007609	VOLUME	475031.696	3746317.308	489.61
LOCATION L0007610	VOLUME	475032.220	3746308.824	489.59
LOCATION L0007611	VOLUME	475028.931	3746303.948	489.70
LOCATION L0007612	VOLUME	475020.431	3746304.002	489.99
LOCATION L0007613	VOLUME	475011.931	3746304.056	490.27
LOCATION L0007614	VOLUME	475003.431	3746304.110	490.55
LOCATION L0007615	VOLUME	474994.932	3746304.164	490.84
LOCATION L0007616	VOLUME	474986.432	3746304.218	491.12
LOCATION L0007617	VOLUME	474977.932	3746304.271	491.40
LOCATION L0007618	VOLUME	474969.432	3746304.325	491.69
LOCATION L0007619	VOLUME	474960.932	3746304.379	491.97
LOCATION L0007620	VOLUME	474952.432	3746304.433	492.46
LOCATION L0007621	VOLUME	474943.933	3746304.487	492.97
LOCATION L0007622	VOLUME	474935.433	3746304.541	493.49
LOCATION L0007623	VOLUME	474926.933	3746304.595	493.82
LOCATION L0007624	VOLUME	474918.433	3746304.649	493.82
LOCATION L0007625	VOLUME	474909.933	3746304.703	493.82
LOCATION L0007626	VOLUME	474901.433	3746304.757	493.83
LOCATION L0007627	VOLUME	474892.934	3746304.811	494.06
LOCATION L0007628	VOLUME	474884.434	3746304.864	494.35
LOCATION L0007629	VOLUME	474875.934	3746304.918	494.63
LOCATION L0007630	VOLUME	474867.434	3746304.972	495.00
LOCATION L0007631	VOLUME	474858.934	3746305.026	495.57
LOCATION L0007632	VOLUME	474850.434	3746305.080	496.14
LOCATION L0007633	VOLUME	474841.935	3746305.134	496.71
LOCATION L0007634	VOLUME	474833.435	3746305.188	497.09
LOCATION L0007635	VOLUME	474824.935	3746305.242	497.42
LOCATION L0007636	VOLUME	474816.435	3746305.296	497.75
LOCATION L0007637	VOLUME	474807.935	3746305.350	498.07
LOCATION L0007638	VOLUME	474799.435	3746305.404	498.35
LOCATION L0007639	VOLUME	474790.936	3746305.457	498.64
LOCATION L0007640	VOLUME	474782.436	3746305.511	498.92
LOCATION L0007641	VOLUME	474773.936	3746305.565	499.61
LOCATION L0007642	VOLUME	474765.436	3746305.619	500.46
LOCATION L0007643	VOLUME	474756.936	3746305.673	501.31
LOCATION L0007644	VOLUME	474752.256	3746301.899	501.77
LOCATION L0007645	VOLUME	474752.290	3746293.399	501.77
LOCATION L0007646	VOLUME	474752.324	3746284.899	501.77
LOCATION L0007647	VOLUME	474752.358	3746276.399	501.77
LOCATION L0007648	VOLUME	474752.393	3746267.899	501.79

CO

LOCATION L0007649	VOLUME	474752.427	3746259.399	501.81
LOCATION L0007650	VOLUME	474757.904	3746255.206	501.43
LOCATION L0007651	VOLUME	474766.168	3746253.219	500.86
LOCATION L0007652	VOLUME	474774.433	3746251.232	500.34
LOCATION L0007653	VOLUME	474782.697	3746249.245	499.82
LOCATION L0007654	VOLUME	474789.135	3746250.211	499.39
LOCATION L0007655	VOLUME	474791.049	3746258.493	499.08
LOCATION L0007656	VOLUME	474792.963	3746266.775	498.82
LOCATION L0007657	VOLUME	474794.878	3746275.056	498.59
LOCATION L0007658	VOLUME	474796.792	3746283.338	498.44

** End of LINE VOLUME Source ID = SLINE12

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0007195	0.000002063	4.00	3.95	1.86
SRCPARAM L0007196	0.000002063	4.00	3.95	1.86
SRCPARAM L0007197	0.000002063	4.00	3.95	1.86
SRCPARAM L0007198	0.000002063	4.00	3.95	1.86
SRCPARAM L0007199	0.000002063	4.00	3.95	1.86
SRCPARAM L0007200	0.000002063	4.00	3.95	1.86
SRCPARAM L0007201	0.000002063	4.00	3.95	1.86
SRCPARAM L0007202	0.000002063	4.00	3.95	1.86
SRCPARAM L0007203	0.000002063	4.00	3.95	1.86
SRCPARAM L0007204	0.000002063	4.00	3.95	1.86
SRCPARAM L0007205	0.000002063	4.00	3.95	1.86
SRCPARAM L0007206	0.000002063	4.00	3.95	1.86
SRCPARAM L0007207	0.000002063	4.00	3.95	1.86
SRCPARAM L0007208	0.000002063	4.00	3.95	1.86
SRCPARAM L0007209	0.000002063	4.00	3.95	1.86
SRCPARAM L0007210	0.000002063	4.00	3.95	1.86
SRCPARAM L0007211	0.000002063	4.00	3.95	1.86
SRCPARAM L0007212	0.000002063	4.00	3.95	1.86
SRCPARAM L0007213	0.000002063	4.00	3.95	1.86
SRCPARAM L0007214	0.000002063	4.00	3.95	1.86
SRCPARAM L0007215	0.000002063	4.00	3.95	1.86
SRCPARAM L0007216	0.000002063	4.00	3.95	1.86
SRCPARAM L0007217	0.000002063	4.00	3.95	1.86
SRCPARAM L0007218	0.000002063	4.00	3.95	1.86
SRCPARAM L0007219	0.000002063	4.00	3.95	1.86
SRCPARAM L0007220	0.000002063	4.00	3.95	1.86
SRCPARAM L0007221	0.000002063	4.00	3.95	1.86
SRCPARAM L0007222	0.000002063	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE2

SRCPARAM L0007223	0.000002063	4.00	3.95	1.86
SRCPARAM L0007224	0.000002063	4.00	3.95	1.86
SRCPARAM L0007225	0.000002063	4.00	3.95	1.86
SRCPARAM L0007226	0.000002063	4.00	3.95	1.86
SRCPARAM L0007227	0.000002063	4.00	3.95	1.86

CO

SRCPARAM	L0007228	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007229	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007230	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007231	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007232	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007233	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007234	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007235	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007236	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007237	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007238	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007239	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007240	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007241	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007242	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007243	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007244	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007245	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007246	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007247	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007248	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007249	0.000002063	4.00	3.95	1.86
SRCPARAM	L0007250	0.000002063	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0007251	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007252	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007253	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007254	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007255	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007256	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007257	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007258	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007259	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007260	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007261	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007262	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007263	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007264	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007265	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007266	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007267	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007268	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007269	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007270	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007271	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007272	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007273	0.000002608	4.00	3.95	1.86

			CO		
SRCPARAM	L0007274	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007275	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007276	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007277	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007278	0.000002608	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0007279	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007280	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007281	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007282	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007283	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007284	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007285	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007286	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007287	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007288	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007289	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007290	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007291	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007292	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007293	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007294	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007295	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007296	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007297	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007298	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007299	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007300	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007301	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007302	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007303	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007304	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007305	0.000002608	4.00	3.95	1.86
SRCPARAM	L0007306	0.000002608	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0007307	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007308	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007309	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007310	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007311	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007312	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007313	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007314	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007315	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007316	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007317	0.000001911	4.00	3.95	1.86

CO

SRCPARAM	L0007318	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007319	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007320	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007321	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007322	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007323	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007324	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007325	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007326	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007327	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007328	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007329	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007330	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007331	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007332	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007333	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007334	0.000001911	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0007335	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007336	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007337	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007338	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007339	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007340	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007341	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007342	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007343	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007344	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007345	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007346	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007347	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007348	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007349	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007350	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007351	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007352	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007353	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007354	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007355	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007356	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007357	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007358	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007359	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007360	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007361	0.000001911	4.00	3.95	1.86
SRCPARAM	L0007362	0.000001911	4.00	3.95	1.86

**

CO

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0007363	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007364	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007365	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007366	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007367	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007368	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007369	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007370	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007371	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007372	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007373	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007374	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007375	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007376	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007377	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007378	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007379	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007380	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007381	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007382	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007383	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007384	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007385	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007386	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007387	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007388	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007389	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007390	0.000002416	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0007391	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007392	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007393	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007394	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007395	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007396	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007397	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007398	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007399	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007400	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007401	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007402	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007403	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007404	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007405	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007406	0.000002416	4.00	3.95	1.86
SRCPARAM	L0007407	0.000002416	4.00	3.95	1.86

			CO		
SRCPARAM L0007408	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007409	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007410	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007411	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007412	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007413	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007414	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007415	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007416	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007417	0.000002416	4.00	3.95	1.86	
SRCPARAM L0007418	0.000002416	4.00	3.95	1.86	
**	-----				
SRCPARAM PAREA1	5.5395E-08	3.900	9	1.800	
AREAVERT PAREA1	474745.374	3746237.975	474837.822	3746236.237	
AREAVERT PAREA1	474833.651	3745984.959	474785.342	3745986.349	
AREAVERT PAREA1	474780.129	3745991.910	474780.824	3746073.931	
AREAVERT PAREA1	474755.105	3746094.437	474744.679	3746095.479	
AREAVERT PAREA1	474745.374	3746239.365			
SRCPARAM PAREA2	7.9742E-08	3.900	9	1.800	
AREAVERT PAREA2	475006.383	3746235.194	475043.571	3746234.499	
AREAVERT PAREA2	475043.571	3746216.079	475062.686	3746215.036	
AREAVERT PAREA2	475060.254	3745995.385	475044.961	3745996.080	
AREAVERT PAREA2	475043.571	3745988.434	475007.426	3745989.824	
AREAVERT PAREA2	475004.298	3745990.867			
SRCPARAM AREA1	7.0345E-08	3.900	59.076	255.832	0.337
1.800					
SRCPARAM AREA2	5.249E-08	3.900	75.775	267.300	0.263
1.800					
**	LINE VOLUME Source ID = SLINE9				
SRCPARAM L0007419	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007420	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007421	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007422	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007423	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007424	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007425	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007426	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007427	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007428	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007429	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007430	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007431	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007432	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007433	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007434	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007435	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007436	0.0000004289	0.00	3.95	0.47	
SRCPARAM L0007437	0.0000004289	0.00	3.95	0.47	

			CO		
SRCPARAM	L0007486	0.0000004289	0.00	3.95	0.47
SRCPARAM	L0007487	0.0000004289	0.00	3.95	0.47
SRCPARAM	L0007488	0.0000004289	0.00	3.95	0.47

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** LINE VOLUME Source ID = SLINE10

SRCPARAM	L0007489	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007490	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007491	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007492	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007493	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007494	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007495	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007496	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007497	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007498	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007499	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007500	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007501	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007502	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007503	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007504	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007505	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007506	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007507	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007508	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007509	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007510	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007511	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007512	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007513	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007514	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007515	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007516	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007517	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007518	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007519	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007520	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007521	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007522	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007523	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007524	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007525	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007526	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007527	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007528	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007529	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007530	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007531	0.0000002551	0.00	3.95	0.47

CO

SRCPARAM	L0007532	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007533	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007534	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007535	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007536	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007537	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007538	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007539	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007540	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007541	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007542	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007543	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007544	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007545	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007546	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007547	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007548	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007549	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007550	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007551	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007552	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007553	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007554	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007555	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007556	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007557	0.0000002551	0.00	3.95	0.47
SRCPARAM	L0007558	0.0000002551	0.00	3.95	0.47

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** LINE VOLUME Source ID = SLINE11

SRCPARAM	L0007559	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007560	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007561	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007562	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007563	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007564	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007565	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007566	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007567	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007568	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007569	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007570	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007571	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007572	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007573	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007574	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007575	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007576	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007577	0.0000004748	0.00	3.95	0.47

CO

SRCPARAM	L0007578	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007579	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007580	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007581	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007582	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007583	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007584	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007585	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007586	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007587	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007588	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007589	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007590	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007591	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007592	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007593	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007594	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007595	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007596	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007597	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007598	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007599	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007600	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007601	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007602	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007603	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007604	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007605	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007606	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007607	0.0000004748	0.00	3.95	0.47
SRCPARAM	L0007608	0.0000004748	0.00	3.95	0.47

**

** LINE VOLUME Source ID = SLINE12

SRCPARAM	L0007609	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007610	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007611	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007612	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007613	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007614	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007615	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007616	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007617	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007618	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007619	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007620	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007621	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007622	0.0000002016	0.00	3.95	0.47
SRCPARAM	L0007623	0.0000002016	0.00	3.95	0.47

CO

SRCPARAM L0007624	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007625	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007626	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007627	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007628	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007629	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007630	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007631	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007632	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007633	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007634	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007635	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007636	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007637	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007638	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007639	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007640	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007641	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007642	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007643	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007644	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007645	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007646	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007647	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007648	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007649	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007650	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007651	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007652	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007653	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007654	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007655	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007656	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007657	0.0000002016	0.00	3.95	0.47
SRCPARAM L0007658	0.0000002016	0.00	3.95	0.47

**

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING
INCLUDED PM10.rou
RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE "..\..\SRA24_Met Data\peri8.sfc"

PROFFILE "..\..\SRA24_Met Data\peri8.PFL"

SURFDATA 3190 2007

UAIRDATA 3190 2007

SITEDATA 99999 2007

PROFBASE 442.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 24 ALL 1ST PM10.AD\24H1GALL.PLT 31

PLOTFILE ANNUAL ALL PM10.AD\AN00GALL.PLT 32

SUMMFILE PM10.sum

OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of	0 Fatal Error Message(s)
A Total of	1 Warning Message(s)
A Total of	0 Informational Message(s)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

ME W531 1294 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SURFDATA

CO

*** SETUP Finishes Successfully ***

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Operational LST\PM10\PM10.isc *** 01/28/16
*** AERMET - VERSION 14134 *** ***
*** 16:59:21

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 468 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:
1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates ANNUAL Averages

**This Run Includes: 468 Source(s); 1 Source Group(s); and 64
Receptor(s)

CO

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 464 VOLUME source(s)
and: 4 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing
Hours
b for Both Calm
and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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 = 3.9 MB of RAM.

**Detailed Error/Message File: PM10.err

**File for Summary of Results: PM10.sum

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

CO

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY						
(METERS)									
L0007195		0	0.20630E-05	474824.8	3746232.3	496.8	4.00	3.95	
1.86	YES								
L0007196		0	0.20630E-05	474824.6	3746223.8	497.0	4.00	3.95	
1.86	YES								
L0007197		0	0.20630E-05	474824.5	3746215.3	497.1	4.00	3.95	
1.86	YES								
L0007198		0	0.20630E-05	474824.3	3746206.8	497.3	4.00	3.95	
1.86	YES								
L0007199		0	0.20630E-05	474824.1	3746198.3	497.4	4.00	3.95	
1.86	YES								
L0007200		0	0.20630E-05	474824.0	3746189.8	497.6	4.00	3.95	
1.86	YES								
L0007201		0	0.20630E-05	474823.8	3746181.3	498.1	4.00	3.95	
1.86	YES								
L0007202		0	0.20630E-05	474823.7	3746172.8	498.7	4.00	3.95	
1.86	YES								
L0007203		0	0.20630E-05	474823.5	3746164.3	499.3	4.00	3.95	
1.86	YES								
L0007204		0	0.20630E-05	474823.3	3746155.8	499.4	4.00	3.95	
1.86	YES								
L0007205		0	0.20630E-05	474823.2	3746147.3	499.2	4.00	3.95	
1.86	YES								
L0007206		0	0.20630E-05	474823.0	3746138.8	498.9	4.00	3.95	
1.86	YES								
L0007207		0	0.20630E-05	474822.9	3746130.3	498.7	4.00	3.95	
1.86	YES								
L0007208		0	0.20630E-05	474822.7	3746121.8	498.6	4.00	3.95	
1.86	YES								
L0007209		0	0.20630E-05	474822.5	3746113.3	498.4	4.00	3.95	
1.86	YES								
L0007210		0	0.20630E-05	474822.4	3746104.8	498.3	4.00	3.95	
1.86	YES								
L0007211		0	0.20630E-05	474822.2	3746096.3	498.2	4.00	3.95	
1.86	YES								
L0007212		0	0.20630E-05	474822.1	3746087.8	498.2	4.00	3.95	
1.86	YES								

CO							
L0007213	0	0.20630E-05	474821.9	3746079.3	498.2	4.00	3.95
1.86	YES						
L0007214	0	0.20630E-05	474821.8	3746070.8	498.2	4.00	3.95
1.86	YES						
L0007215	0	0.20630E-05	474821.6	3746062.3	498.5	4.00	3.95
1.86	YES						
L0007216	0	0.20630E-05	474821.4	3746053.8	498.8	4.00	3.95
1.86	YES						
L0007217	0	0.20630E-05	474821.3	3746045.3	499.1	4.00	3.95
1.86	YES						
L0007218	0	0.20630E-05	474821.1	3746036.8	499.3	4.00	3.95
1.86	YES						
L0007219	0	0.20630E-05	474821.0	3746028.3	499.3	4.00	3.95
1.86	YES						
L0007220	0	0.20630E-05	474820.8	3746019.8	499.3	4.00	3.95
1.86	YES						
L0007221	0	0.20630E-05	474820.6	3746011.3	499.3	4.00	3.95
1.86	YES						
L0007222	0	0.20630E-05	474820.5	3746002.8	499.4	4.00	3.95
1.86	YES						
L0007223	0	0.20630E-05	475021.9	3746228.2	489.9	4.00	3.95
1.86	YES						
L0007224	0	0.20630E-05	475021.8	3746219.7	489.9	4.00	3.95
1.86	YES						
L0007225	0	0.20630E-05	475021.6	3746211.2	489.6	4.00	3.95
1.86	YES						
L0007226	0	0.20630E-05	475021.5	3746202.7	489.4	4.00	3.95
1.86	YES						
L0007227	0	0.20630E-05	475021.3	3746194.2	489.1	4.00	3.95
1.86	YES						
L0007228	0	0.20630E-05	475021.1	3746185.7	489.1	4.00	3.95
1.86	YES						
L0007229	0	0.20630E-05	475021.0	3746177.2	489.4	4.00	3.95
1.86	YES						
L0007230	0	0.20630E-05	475020.8	3746168.7	489.7	4.00	3.95
1.86	YES						
L0007231	0	0.20630E-05	475020.7	3746160.2	490.0	4.00	3.95
1.86	YES						
L0007232	0	0.20630E-05	475020.5	3746151.7	489.7	4.00	3.95
1.86	YES						
L0007233	0	0.20630E-05	475020.3	3746143.2	489.4	4.00	3.95
1.86	YES						
L0007234	0	0.20630E-05	475020.2	3746134.7	489.2	4.00	3.95
1.86	YES						

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ELEV

**MODELOPTs: RegDFault CONC

URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
	SCALAR	VARY			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	ID	CATS.	BY						
(METERS)									
L0007235		0	0.20630E-05	475020.0	3746126.2	489.1	4.00	3.95	
1.86	YES								
L0007236		0	0.20630E-05	475019.9	3746117.7	489.4	4.00	3.95	
1.86	YES								
L0007237		0	0.20630E-05	475019.7	3746109.2	489.7	4.00	3.95	
1.86	YES								
L0007238		0	0.20630E-05	475019.6	3746100.7	490.0	4.00	3.95	
1.86	YES								
L0007239		0	0.20630E-05	475019.4	3746092.2	490.0	4.00	3.95	
1.86	YES								
L0007240		0	0.20630E-05	475019.2	3746083.7	490.0	4.00	3.95	
1.86	YES								
L0007241		0	0.20630E-05	475019.1	3746075.2	490.0	4.00	3.95	
1.86	YES								
L0007242		0	0.20630E-05	475018.9	3746066.7	490.0	4.00	3.95	
1.86	YES								
L0007243		0	0.20630E-05	475018.8	3746058.2	490.1	4.00	3.95	
1.86	YES								
L0007244		0	0.20630E-05	475018.6	3746049.7	490.1	4.00	3.95	
1.86	YES								
L0007245		0	0.20630E-05	475018.4	3746041.2	490.1	4.00	3.95	
1.86	YES								
L0007246		0	0.20630E-05	475018.3	3746032.7	490.3	4.00	3.95	
1.86	YES								
L0007247		0	0.20630E-05	475018.1	3746024.2	490.6	4.00	3.95	
1.86	YES								
L0007248		0	0.20630E-05	475018.0	3746015.7	490.9	4.00	3.95	
1.86	YES								
L0007249		0	0.20630E-05	475017.8	3746007.2	491.1	4.00	3.95	
1.86	YES								
L0007250		0	0.20630E-05	475017.6	3745998.7	491.1	4.00	3.95	
1.86	YES								

		CO					
L0007251	0	0.26080E-05	475163.7	3746225.8	485.0	4.00	3.95
1.86	YES						
L0007252	0	0.26080E-05	475163.5	3746217.3	485.1	4.00	3.95
1.86	YES						
L0007253	0	0.26080E-05	475163.4	3746208.8	484.9	4.00	3.95
1.86	YES						
L0007254	0	0.26080E-05	475163.2	3746200.3	484.7	4.00	3.95
1.86	YES						
L0007255	0	0.26080E-05	475163.1	3746191.8	484.5	4.00	3.95
1.86	YES						
L0007256	0	0.26080E-05	475162.9	3746183.3	484.6	4.00	3.95
1.86	YES						
L0007257	0	0.26080E-05	475162.7	3746174.8	484.9	4.00	3.95
1.86	YES						
L0007258	0	0.26080E-05	475162.6	3746166.3	485.1	4.00	3.95
1.86	YES						
L0007259	0	0.26080E-05	475162.4	3746157.8	485.2	4.00	3.95
1.86	YES						
L0007260	0	0.26080E-05	475162.3	3746149.3	485.3	4.00	3.95
1.86	YES						
L0007261	0	0.26080E-05	475162.1	3746140.8	485.3	4.00	3.95
1.86	YES						
L0007262	0	0.26080E-05	475162.0	3746132.3	485.3	4.00	3.95
1.86	YES						
L0007263	0	0.26080E-05	475161.8	3746123.8	485.5	4.00	3.95
1.86	YES						
L0007264	0	0.26080E-05	475161.6	3746115.3	485.8	4.00	3.95
1.86	YES						
L0007265	0	0.26080E-05	475161.5	3746106.8	486.1	4.00	3.95
1.86	YES						
L0007266	0	0.26080E-05	475161.3	3746098.3	486.3	4.00	3.95
1.86	YES						
L0007267	0	0.26080E-05	475161.2	3746089.8	486.3	4.00	3.95
1.86	YES						
L0007268	0	0.26080E-05	475161.0	3746081.3	486.3	4.00	3.95
1.86	YES						
L0007269	0	0.26080E-05	475160.8	3746072.8	486.3	4.00	3.95
1.86	YES						
L0007270	0	0.26080E-05	475160.7	3746064.3	486.5	4.00	3.95
1.86	YES						
L0007271	0	0.26080E-05	475160.5	3746055.8	486.8	4.00	3.95
1.86	YES						
L0007272	0	0.26080E-05	475160.4	3746047.3	487.1	4.00	3.95
1.86	YES						
L0007273	0	0.26080E-05	475160.2	3746038.8	487.4	4.00	3.95
1.86	YES						
L0007274	0	0.26080E-05	475160.0	3746030.3	487.6	4.00	3.95
1.86	YES						

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID		PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
L0007275		0	0.26080E-05	475159.9	3746021.8	487.7	4.00	3.95
1.86	YES							
L0007276		0	0.26080E-05	475159.7	3746013.3	487.9	4.00	3.95
1.86	YES							
L0007277		0	0.26080E-05	475159.6	3746004.8	488.0	4.00	3.95
1.86	YES							
L0007278		0	0.26080E-05	475159.4	3745996.3	488.0	4.00	3.95
1.86	YES							
L0007279		0	0.26080E-05	475392.2	3746219.5	477.6	4.00	3.95
1.86	YES							
L0007280		0	0.26080E-05	475392.0	3746211.0	477.6	4.00	3.95
1.86	YES							
L0007281		0	0.26080E-05	475391.8	3746202.5	477.6	4.00	3.95
1.86	YES							
L0007282		0	0.26080E-05	475391.7	3746194.0	477.6	4.00	3.95
1.86	YES							
L0007283		0	0.26080E-05	475391.5	3746185.5	477.6	4.00	3.95
1.86	YES							
L0007284		0	0.26080E-05	475391.4	3746177.0	477.5	4.00	3.95
1.86	YES							
L0007285		0	0.26080E-05	475391.2	3746168.5	477.4	4.00	3.95
1.86	YES							
L0007286		0	0.26080E-05	475391.0	3746160.1	477.3	4.00	3.95
1.86	YES							
L0007287		0	0.26080E-05	475390.9	3746151.6	477.3	4.00	3.95
1.86	YES							
L0007288		0	0.26080E-05	475390.7	3746143.1	477.3	4.00	3.95
1.86	YES							

		CO					
L0007289	0	0.26080E-05	475390.6	3746134.6	477.3	4.00	3.95
1.86	YES						
L0007290	0	0.26080E-05	475390.4	3746126.1	477.4	4.00	3.95
1.86	YES						
L0007291	0	0.26080E-05	475390.2	3746117.6	477.5	4.00	3.95
1.86	YES						
L0007292	0	0.26080E-05	475390.1	3746109.1	477.6	4.00	3.95
1.86	YES						
L0007293	0	0.26080E-05	475389.9	3746100.6	477.7	4.00	3.95
1.86	YES						
L0007294	0	0.26080E-05	475389.8	3746092.1	477.7	4.00	3.95
1.86	YES						
L0007295	0	0.26080E-05	475389.6	3746083.6	477.7	4.00	3.95
1.86	YES						
L0007296	0	0.26080E-05	475389.5	3746075.1	477.7	4.00	3.95
1.86	YES						
L0007297	0	0.26080E-05	475389.3	3746066.6	477.7	4.00	3.95
1.86	YES						
L0007298	0	0.26080E-05	475389.1	3746058.1	477.7	4.00	3.95
1.86	YES						
L0007299	0	0.26080E-05	475389.0	3746049.6	477.7	4.00	3.95
1.86	YES						
L0007300	0	0.26080E-05	475388.8	3746041.1	477.7	4.00	3.95
1.86	YES						
L0007301	0	0.26080E-05	475388.7	3746032.6	478.0	4.00	3.95
1.86	YES						
L0007302	0	0.26080E-05	475388.5	3746024.1	478.2	4.00	3.95
1.86	YES						
L0007303	0	0.26080E-05	475388.3	3746015.6	478.5	4.00	3.95
1.86	YES						
L0007304	0	0.26080E-05	475388.2	3746007.1	478.7	4.00	3.95
1.86	YES						
L0007305	0	0.26080E-05	475388.0	3745998.6	478.7	4.00	3.95
1.86	YES						
L0007306	0	0.26080E-05	475387.9	3745990.1	478.7	4.00	3.95
1.86	YES						
L0007307	0	0.19110E-05	474824.8	3746232.3	496.8	4.00	3.95
1.86	YES						
L0007308	0	0.19110E-05	474824.6	3746223.8	497.0	4.00	3.95
1.86	YES						
L0007309	0	0.19110E-05	474824.5	3746215.3	497.1	4.00	3.95
1.86	YES						
L0007310	0	0.19110E-05	474824.3	3746206.8	497.3	4.00	3.95
1.86	YES						
L0007311	0	0.19110E-05	474824.1	3746198.3	497.4	4.00	3.95
1.86	YES						
L0007312	0	0.19110E-05	474824.0	3746189.8	497.6	4.00	3.95
1.86	YES						

CO

L0007313	0	0.19110E-05	474823.8	3746181.3	498.1	4.00	3.95
1.86	YES						
L0007314	0	0.19110E-05	474823.7	3746172.8	498.7	4.00	3.95
1.86	YES						

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE		EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID		CATS.	BY						
(METERS)									

L0007315	0	0.19110E-05	474823.5	3746164.3	499.3	4.00	3.95		
1.86	YES								
L0007316	0	0.19110E-05	474823.3	3746155.8	499.4	4.00	3.95		
1.86	YES								
L0007317	0	0.19110E-05	474823.2	3746147.3	499.2	4.00	3.95		
1.86	YES								
L0007318	0	0.19110E-05	474823.0	3746138.8	498.9	4.00	3.95		
1.86	YES								
L0007319	0	0.19110E-05	474822.9	3746130.3	498.7	4.00	3.95		
1.86	YES								
L0007320	0	0.19110E-05	474822.7	3746121.8	498.6	4.00	3.95		
1.86	YES								
L0007321	0	0.19110E-05	474822.5	3746113.3	498.4	4.00	3.95		
1.86	YES								
L0007322	0	0.19110E-05	474822.4	3746104.8	498.3	4.00	3.95		
1.86	YES								
L0007323	0	0.19110E-05	474822.2	3746096.3	498.2	4.00	3.95		
1.86	YES								
L0007324	0	0.19110E-05	474822.1	3746087.8	498.2	4.00	3.95		
1.86	YES								
L0007325	0	0.19110E-05	474821.9	3746079.3	498.2	4.00	3.95		
1.86	YES								
L0007326	0	0.19110E-05	474821.8	3746070.8	498.2	4.00	3.95		
1.86	YES								

		CO					
L0007327	0	0.19110E-05	474821.6	3746062.3	498.5	4.00	3.95
1.86	YES						
L0007328	0	0.19110E-05	474821.4	3746053.8	498.8	4.00	3.95
1.86	YES						
L0007329	0	0.19110E-05	474821.3	3746045.3	499.1	4.00	3.95
1.86	YES						
L0007330	0	0.19110E-05	474821.1	3746036.8	499.3	4.00	3.95
1.86	YES						
L0007331	0	0.19110E-05	474821.0	3746028.3	499.3	4.00	3.95
1.86	YES						
L0007332	0	0.19110E-05	474820.8	3746019.8	499.3	4.00	3.95
1.86	YES						
L0007333	0	0.19110E-05	474820.6	3746011.3	499.3	4.00	3.95
1.86	YES						
L0007334	0	0.19110E-05	474820.5	3746002.8	499.4	4.00	3.95
1.86	YES						
L0007335	0	0.19110E-05	475021.9	3746228.2	489.9	4.00	3.95
1.86	YES						
L0007336	0	0.19110E-05	475021.8	3746219.7	489.9	4.00	3.95
1.86	YES						
L0007337	0	0.19110E-05	475021.6	3746211.2	489.6	4.00	3.95
1.86	YES						
L0007338	0	0.19110E-05	475021.5	3746202.7	489.4	4.00	3.95
1.86	YES						
L0007339	0	0.19110E-05	475021.3	3746194.2	489.1	4.00	3.95
1.86	YES						
L0007340	0	0.19110E-05	475021.1	3746185.7	489.1	4.00	3.95
1.86	YES						
L0007341	0	0.19110E-05	475021.0	3746177.2	489.4	4.00	3.95
1.86	YES						
L0007342	0	0.19110E-05	475020.8	3746168.7	489.7	4.00	3.95
1.86	YES						
L0007343	0	0.19110E-05	475020.7	3746160.2	490.0	4.00	3.95
1.86	YES						
L0007344	0	0.19110E-05	475020.5	3746151.7	489.7	4.00	3.95
1.86	YES						
L0007345	0	0.19110E-05	475020.3	3746143.2	489.4	4.00	3.95
1.86	YES						
L0007346	0	0.19110E-05	475020.2	3746134.7	489.2	4.00	3.95
1.86	YES						
L0007347	0	0.19110E-05	475020.0	3746126.2	489.1	4.00	3.95
1.86	YES						
L0007348	0	0.19110E-05	475019.9	3746117.7	489.4	4.00	3.95
1.86	YES						
L0007349	0	0.19110E-05	475019.7	3746109.2	489.7	4.00	3.95
1.86	YES						
L0007350	0	0.19110E-05	475019.6	3746100.7	490.0	4.00	3.95
1.86	YES						

		CO					
L0007365	0	0.24160E-05	475163.4	3746208.8	484.9	4.00	3.95
1.86	YES						
L0007366	0	0.24160E-05	475163.2	3746200.3	484.7	4.00	3.95
1.86	YES						
L0007367	0	0.24160E-05	475163.1	3746191.8	484.5	4.00	3.95
1.86	YES						
L0007368	0	0.24160E-05	475162.9	3746183.3	484.6	4.00	3.95
1.86	YES						
L0007369	0	0.24160E-05	475162.7	3746174.8	484.9	4.00	3.95
1.86	YES						
L0007370	0	0.24160E-05	475162.6	3746166.3	485.1	4.00	3.95
1.86	YES						
L0007371	0	0.24160E-05	475162.4	3746157.8	485.2	4.00	3.95
1.86	YES						
L0007372	0	0.24160E-05	475162.3	3746149.3	485.3	4.00	3.95
1.86	YES						
L0007373	0	0.24160E-05	475162.1	3746140.8	485.3	4.00	3.95
1.86	YES						
L0007374	0	0.24160E-05	475162.0	3746132.3	485.3	4.00	3.95
1.86	YES						
L0007375	0	0.24160E-05	475161.8	3746123.8	485.5	4.00	3.95
1.86	YES						
L0007376	0	0.24160E-05	475161.6	3746115.3	485.8	4.00	3.95
1.86	YES						
L0007377	0	0.24160E-05	475161.5	3746106.8	486.1	4.00	3.95
1.86	YES						
L0007378	0	0.24160E-05	475161.3	3746098.3	486.3	4.00	3.95
1.86	YES						
L0007379	0	0.24160E-05	475161.2	3746089.8	486.3	4.00	3.95
1.86	YES						
L0007380	0	0.24160E-05	475161.0	3746081.3	486.3	4.00	3.95
1.86	YES						
L0007381	0	0.24160E-05	475160.8	3746072.8	486.3	4.00	3.95
1.86	YES						
L0007382	0	0.24160E-05	475160.7	3746064.3	486.5	4.00	3.95
1.86	YES						
L0007383	0	0.24160E-05	475160.5	3746055.8	486.8	4.00	3.95
1.86	YES						
L0007384	0	0.24160E-05	475160.4	3746047.3	487.1	4.00	3.95
1.86	YES						
L0007385	0	0.24160E-05	475160.2	3746038.8	487.4	4.00	3.95
1.86	YES						
L0007386	0	0.24160E-05	475160.0	3746030.3	487.6	4.00	3.95
1.86	YES						
L0007387	0	0.24160E-05	475159.9	3746021.8	487.7	4.00	3.95
1.86	YES						
L0007388	0	0.24160E-05	475159.7	3746013.3	487.9	4.00	3.95
1.86	YES						

				CO			
L0007389	0	0.24160E-05	475159.6	3746004.8	488.0	4.00	3.95
1.86	YES						
L0007390	0	0.24160E-05	475159.4	3745996.3	488.0	4.00	3.95
1.86	YES						
L0007391	0	0.24160E-05	475392.2	3746219.5	477.6	4.00	3.95
1.86	YES						
L0007392	0	0.24160E-05	475392.0	3746211.0	477.6	4.00	3.95
1.86	YES						
L0007393	0	0.24160E-05	475391.8	3746202.5	477.6	4.00	3.95
1.86	YES						
L0007394	0	0.24160E-05	475391.7	3746194.0	477.6	4.00	3.95
1.86	YES						

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0007395	0	0.24160E-05	475391.5	3746185.5	477.6	4.00	3.95
1.86	YES						
L0007396	0	0.24160E-05	475391.4	3746177.0	477.5	4.00	3.95
1.86	YES						
L0007397	0	0.24160E-05	475391.2	3746168.5	477.4	4.00	3.95
1.86	YES						
L0007398	0	0.24160E-05	475391.0	3746160.1	477.3	4.00	3.95
1.86	YES						
L0007399	0	0.24160E-05	475390.9	3746151.6	477.3	4.00	3.95
1.86	YES						
L0007400	0	0.24160E-05	475390.7	3746143.1	477.3	4.00	3.95
1.86	YES						
L0007401	0	0.24160E-05	475390.6	3746134.6	477.3	4.00	3.95
1.86	YES						
L0007402	0	0.24160E-05	475390.4	3746126.1	477.4	4.00	3.95
1.86	YES						

		CO					
L0007403	0	0.24160E-05	475390.2	3746117.6	477.5	4.00	3.95
1.86	YES						
L0007404	0	0.24160E-05	475390.1	3746109.1	477.6	4.00	3.95
1.86	YES						
L0007405	0	0.24160E-05	475389.9	3746100.6	477.7	4.00	3.95
1.86	YES						
L0007406	0	0.24160E-05	475389.8	3746092.1	477.7	4.00	3.95
1.86	YES						
L0007407	0	0.24160E-05	475389.6	3746083.6	477.7	4.00	3.95
1.86	YES						
L0007408	0	0.24160E-05	475389.5	3746075.1	477.7	4.00	3.95
1.86	YES						
L0007409	0	0.24160E-05	475389.3	3746066.6	477.7	4.00	3.95
1.86	YES						
L0007410	0	0.24160E-05	475389.1	3746058.1	477.7	4.00	3.95
1.86	YES						
L0007411	0	0.24160E-05	475389.0	3746049.6	477.7	4.00	3.95
1.86	YES						
L0007412	0	0.24160E-05	475388.8	3746041.1	477.7	4.00	3.95
1.86	YES						
L0007413	0	0.24160E-05	475388.7	3746032.6	478.0	4.00	3.95
1.86	YES						
L0007414	0	0.24160E-05	475388.5	3746024.1	478.2	4.00	3.95
1.86	YES						
L0007415	0	0.24160E-05	475388.3	3746015.6	478.5	4.00	3.95
1.86	YES						
L0007416	0	0.24160E-05	475388.2	3746007.1	478.7	4.00	3.95
1.86	YES						
L0007417	0	0.24160E-05	475388.0	3745998.6	478.7	4.00	3.95
1.86	YES						
L0007418	0	0.24160E-05	475387.9	3745990.1	478.7	4.00	3.95
1.86	YES						
L0007419	0	0.42890E-06	475442.6	3746315.0	474.9	0.00	3.95
0.47	YES						
L0007420	0	0.42890E-06	475439.4	3746307.1	475.0	0.00	3.95
0.47	YES						
L0007421	0	0.42890E-06	475436.1	3746299.3	475.1	0.00	3.95
0.47	YES						
L0007422	0	0.42890E-06	475431.8	3746292.2	475.3	0.00	3.95
0.47	YES						
L0007423	0	0.42890E-06	475425.1	3746286.9	475.5	0.00	3.95
0.47	YES						
L0007424	0	0.42890E-06	475432.2	3746282.5	475.3	0.00	3.95
0.47	YES						
L0007425	0	0.42890E-06	475439.4	3746281.6	475.0	0.00	3.95
0.47	YES						
L0007426	0	0.42890E-06	475446.4	3746286.4	474.9	0.00	3.95
0.47	YES						

		CO					
L0007441	0	0.42890E-06	475444.2	3746245.5	475.9	0.00	3.95
0.47	YES						
L0007442	0	0.42890E-06	475435.7	3746244.8	476.0	0.00	3.95
0.47	YES						
L0007443	0	0.42890E-06	475427.6	3746246.6	476.1	0.00	3.95
0.47	YES						
L0007444	0	0.42890E-06	475420.8	3746250.1	476.0	0.00	3.95
0.47	YES						
L0007445	0	0.42890E-06	475422.2	3746258.5	475.9	0.00	3.95
0.47	YES						
L0007446	0	0.42890E-06	475424.2	3746266.7	475.7	0.00	3.95
0.47	YES						
L0007447	0	0.42890E-06	475428.1	3746274.2	475.5	0.00	3.95
0.47	YES						
L0007448	0	0.42890E-06	475426.2	3746282.5	475.5	0.00	3.95
0.47	YES						
L0007449	0	0.42890E-06	475420.4	3746288.3	475.7	0.00	3.95
0.47	YES						
L0007450	0	0.42890E-06	475415.7	3746295.4	475.8	0.00	3.95
0.47	YES						
L0007451	0	0.42890E-06	475408.0	3746298.0	476.1	0.00	3.95
0.47	YES						
L0007452	0	0.42890E-06	475399.5	3746298.6	476.4	0.00	3.95
0.47	YES						
L0007453	0	0.42890E-06	475391.0	3746298.8	476.6	0.00	3.95
0.47	YES						
L0007454	0	0.42890E-06	475382.5	3746299.3	476.9	0.00	3.95
0.47	YES						
L0007455	0	0.42890E-06	475374.1	3746300.7	477.2	0.00	3.95
0.47	YES						
L0007456	0	0.42890E-06	475365.8	3746302.0	477.5	0.00	3.95
0.47	YES						
L0007457	0	0.42890E-06	475357.3	3746303.2	477.8	0.00	3.95
0.47	YES						
L0007458	0	0.42890E-06	475348.9	3746304.3	478.0	0.00	3.95
0.47	YES						
L0007459	0	0.42890E-06	475340.5	3746305.4	478.1	0.00	3.95
0.47	YES						
L0007460	0	0.42890E-06	475332.1	3746306.5	478.1	0.00	3.95
0.47	YES						
L0007461	0	0.42890E-06	475323.6	3746306.9	478.1	0.00	3.95
0.47	YES						
L0007462	0	0.42890E-06	475315.1	3746306.9	478.4	0.00	3.95
0.47	YES						
L0007463	0	0.42890E-06	475306.6	3746306.9	478.9	0.00	3.95
0.47	YES						
L0007464	0	0.42890E-06	475298.1	3746306.9	479.5	0.00	3.95
0.47	YES						

CO							
L0007465	0	0.42890E-06	475289.6	3746306.9	480.0	0.00	3.95
0.47	YES						
L0007466	0	0.42890E-06	475281.1	3746306.9	480.3	0.00	3.95
0.47	YES						
L0007467	0	0.42890E-06	475272.6	3746306.6	480.6	0.00	3.95
0.47	YES						
L0007468	0	0.42890E-06	475264.1	3746306.2	480.9	0.00	3.95
0.47	YES						
L0007469	0	0.42890E-06	475255.6	3746305.8	481.2	0.00	3.95
0.47	YES						
L0007470	0	0.42890E-06	475247.1	3746305.5	481.4	0.00	3.95
0.47	YES						
L0007471	0	0.42890E-06	475238.6	3746305.1	481.7	0.00	3.95
0.47	YES						
L0007472	0	0.42890E-06	475230.1	3746304.6	482.0	0.00	3.95
0.47	YES						
L0007473	0	0.42890E-06	475221.6	3746304.2	482.3	0.00	3.95
0.47	YES						
L0007474	0	0.42890E-06	475213.2	3746302.9	482.6	0.00	3.95
0.47	YES						

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ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY				
				(PART.)	(GRAMS/SEC)	X	Y
						(METERS)	(METERS)

L0007475	0	0.42890E-06	475204.9	3746302.5	482.8	0.00	3.95
0.47	YES						
L0007476	0	0.42890E-06	475196.5	3746304.0	483.1	0.00	3.95
0.47	YES						
L0007477	0	0.42890E-06	475188.1	3746305.5	483.4	0.00	3.95
0.47	YES						
L0007478	0	0.42890E-06	475179.9	3746304.5	483.7	0.00	3.95
0.47	YES						

		CO					
L0007479	0	0.42890E-06	475171.6	3746302.4	483.9	0.00	3.95
0.47	YES						
L0007480	0	0.42890E-06	475163.3	3746300.7	484.4	0.00	3.95
0.47	YES						
L0007481	0	0.42890E-06	475154.9	3746300.4	484.9	0.00	3.95
0.47	YES						
L0007482	0	0.42890E-06	475146.4	3746300.7	485.3	0.00	3.95
0.47	YES						
L0007483	0	0.42890E-06	475137.9	3746301.1	485.8	0.00	3.95
0.47	YES						
L0007484	0	0.42890E-06	475129.5	3746299.8	486.1	0.00	3.95
0.47	YES						
L0007485	0	0.42890E-06	475126.6	3746292.1	486.1	0.00	3.95
0.47	YES						
L0007486	0	0.42890E-06	475126.6	3746283.7	486.0	0.00	3.95
0.47	YES						
L0007487	0	0.42890E-06	475127.6	3746275.3	485.8	0.00	3.95
0.47	YES						
L0007488	0	0.42890E-06	475128.0	3746266.8	485.6	0.00	3.95
0.47	YES						
L0007489	0	0.25510E-06	475442.6	3746315.0	474.9	0.00	3.95
0.47	YES						
L0007490	0	0.25510E-06	475439.4	3746307.1	475.0	0.00	3.95
0.47	YES						
L0007491	0	0.25510E-06	475436.1	3746299.3	475.1	0.00	3.95
0.47	YES						
L0007492	0	0.25510E-06	475431.8	3746292.2	475.3	0.00	3.95
0.47	YES						
L0007493	0	0.25510E-06	475425.1	3746286.9	475.5	0.00	3.95
0.47	YES						
L0007494	0	0.25510E-06	475432.2	3746282.5	475.3	0.00	3.95
0.47	YES						
L0007495	0	0.25510E-06	475439.4	3746281.6	475.0	0.00	3.95
0.47	YES						
L0007496	0	0.25510E-06	475446.4	3746286.4	474.9	0.00	3.95
0.47	YES						
L0007497	0	0.25510E-06	475453.4	3746291.2	474.8	0.00	3.95
0.47	YES						
L0007498	0	0.25510E-06	475460.2	3746296.1	474.6	0.00	3.95
0.47	YES						
L0007499	0	0.25510E-06	475459.6	3746304.2	474.5	0.00	3.95
0.47	YES						
L0007500	0	0.25510E-06	475468.1	3746303.9	474.2	0.00	3.95
0.47	YES						
L0007501	0	0.25510E-06	475476.4	3746302.3	474.2	0.00	3.95
0.47	YES						
L0007502	0	0.25510E-06	475476.9	3746294.8	474.4	0.00	3.95
0.47	YES						

CO							
L0007503	0	0.25510E-06	475476.3	3746286.3	474.6	0.00	3.95
0.47	YES						
L0007504	0	0.25510E-06	475476.3	3746277.8	474.8	0.00	3.95
0.47	YES						
L0007505	0	0.25510E-06	475476.3	3746269.3	474.9	0.00	3.95
0.47	YES						
L0007506	0	0.25510E-06	475476.2	3746260.8	474.9	0.00	3.95
0.47	YES						
L0007507	0	0.25510E-06	475475.9	3746252.3	475.0	0.00	3.95
0.47	YES						
L0007508	0	0.25510E-06	475469.4	3746248.9	475.1	0.00	3.95
0.47	YES						
L0007509	0	0.25510E-06	475461.1	3746246.9	475.4	0.00	3.95
0.47	YES						
L0007510	0	0.25510E-06	475452.7	3746246.1	475.6	0.00	3.95
0.47	YES						
L0007511	0	0.25510E-06	475444.2	3746245.5	475.9	0.00	3.95
0.47	YES						
L0007512	0	0.25510E-06	475435.7	3746244.8	476.0	0.00	3.95
0.47	YES						
L0007513	0	0.25510E-06	475427.6	3746246.6	476.1	0.00	3.95
0.47	YES						
L0007514	0	0.25510E-06	475420.8	3746250.1	476.0	0.00	3.95
0.47	YES						

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*** *** 16:59:21

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY							

L0007515	0	0.25510E-06	475422.2	3746258.5	475.9	0.00	3.95
0.47	YES						
L0007516	0	0.25510E-06	475424.2	3746266.7	475.7	0.00	3.95
0.47	YES						

		CO					
L0007517	0	0.25510E-06	475428.1	3746274.2	475.5	0.00	3.95
0.47	YES						
L0007518	0	0.25510E-06	475426.2	3746282.5	475.5	0.00	3.95
0.47	YES						
L0007519	0	0.25510E-06	475420.4	3746288.3	475.7	0.00	3.95
0.47	YES						
L0007520	0	0.25510E-06	475415.7	3746295.4	475.8	0.00	3.95
0.47	YES						
L0007521	0	0.25510E-06	475408.0	3746298.0	476.1	0.00	3.95
0.47	YES						
L0007522	0	0.25510E-06	475399.5	3746298.6	476.4	0.00	3.95
0.47	YES						
L0007523	0	0.25510E-06	475391.0	3746298.8	476.6	0.00	3.95
0.47	YES						
L0007524	0	0.25510E-06	475382.5	3746299.3	476.9	0.00	3.95
0.47	YES						
L0007525	0	0.25510E-06	475374.1	3746300.7	477.2	0.00	3.95
0.47	YES						
L0007526	0	0.25510E-06	475365.8	3746302.0	477.5	0.00	3.95
0.47	YES						
L0007527	0	0.25510E-06	475357.3	3746303.2	477.8	0.00	3.95
0.47	YES						
L0007528	0	0.25510E-06	475348.9	3746304.3	478.0	0.00	3.95
0.47	YES						
L0007529	0	0.25510E-06	475340.5	3746305.4	478.1	0.00	3.95
0.47	YES						
L0007530	0	0.25510E-06	475332.1	3746306.5	478.1	0.00	3.95
0.47	YES						
L0007531	0	0.25510E-06	475323.6	3746306.9	478.1	0.00	3.95
0.47	YES						
L0007532	0	0.25510E-06	475315.1	3746306.9	478.4	0.00	3.95
0.47	YES						
L0007533	0	0.25510E-06	475306.6	3746306.9	478.9	0.00	3.95
0.47	YES						
L0007534	0	0.25510E-06	475298.1	3746306.9	479.5	0.00	3.95
0.47	YES						
L0007535	0	0.25510E-06	475289.6	3746306.9	480.0	0.00	3.95
0.47	YES						
L0007536	0	0.25510E-06	475281.1	3746306.9	480.3	0.00	3.95
0.47	YES						
L0007537	0	0.25510E-06	475272.6	3746306.6	480.6	0.00	3.95
0.47	YES						
L0007538	0	0.25510E-06	475264.1	3746306.2	480.9	0.00	3.95
0.47	YES						
L0007539	0	0.25510E-06	475255.6	3746305.8	481.2	0.00	3.95
0.47	YES						
L0007540	0	0.25510E-06	475247.1	3746305.5	481.4	0.00	3.95
0.47	YES						

CO

L0007541	0	0.25510E-06	475238.6	3746305.1	481.7	0.00	3.95
0.47 YES							
L0007542	0	0.25510E-06	475230.1	3746304.6	482.0	0.00	3.95
0.47 YES							
L0007543	0	0.25510E-06	475221.6	3746304.2	482.3	0.00	3.95
0.47 YES							
L0007544	0	0.25510E-06	475213.2	3746302.9	482.6	0.00	3.95
0.47 YES							
L0007545	0	0.25510E-06	475204.9	3746302.5	482.8	0.00	3.95
0.47 YES							
L0007546	0	0.25510E-06	475196.5	3746304.0	483.1	0.00	3.95
0.47 YES							
L0007547	0	0.25510E-06	475188.1	3746305.5	483.4	0.00	3.95
0.47 YES							
L0007548	0	0.25510E-06	475179.9	3746304.5	483.7	0.00	3.95
0.47 YES							
L0007549	0	0.25510E-06	475171.6	3746302.4	483.9	0.00	3.95
0.47 YES							
L0007550	0	0.25510E-06	475163.3	3746300.7	484.4	0.00	3.95
0.47 YES							
L0007551	0	0.25510E-06	475154.9	3746300.4	484.9	0.00	3.95
0.47 YES							
L0007552	0	0.25510E-06	475146.4	3746300.7	485.3	0.00	3.95
0.47 YES							
L0007553	0	0.25510E-06	475137.9	3746301.1	485.8	0.00	3.95
0.47 YES							
L0007554	0	0.25510E-06	475129.5	3746299.8	486.1	0.00	3.95
0.47 YES							

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY				(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

		CO					
L0007555	0	0.25510E-06	475126.6	3746292.1	486.1	0.00	3.95
0.47	YES						
L0007556	0	0.25510E-06	475126.6	3746283.7	486.0	0.00	3.95
0.47	YES						
L0007557	0	0.25510E-06	475127.6	3746275.3	485.8	0.00	3.95
0.47	YES						
L0007558	0	0.25510E-06	475128.0	3746266.8	485.6	0.00	3.95
0.47	YES						
L0007559	0	0.47480E-06	475031.7	3746317.3	489.6	0.00	3.95
0.47	YES						
L0007560	0	0.47480E-06	475032.2	3746308.8	489.6	0.00	3.95
0.47	YES						
L0007561	0	0.47480E-06	475028.9	3746303.9	489.7	0.00	3.95
0.47	YES						
L0007562	0	0.47480E-06	475020.4	3746304.0	490.0	0.00	3.95
0.47	YES						
L0007563	0	0.47480E-06	475011.9	3746304.1	490.3	0.00	3.95
0.47	YES						
L0007564	0	0.47480E-06	475003.4	3746304.1	490.6	0.00	3.95
0.47	YES						
L0007565	0	0.47480E-06	474994.9	3746304.2	490.8	0.00	3.95
0.47	YES						
L0007566	0	0.47480E-06	474986.4	3746304.2	491.1	0.00	3.95
0.47	YES						
L0007567	0	0.47480E-06	474977.9	3746304.3	491.4	0.00	3.95
0.47	YES						
L0007568	0	0.47480E-06	474969.4	3746304.3	491.7	0.00	3.95
0.47	YES						
L0007569	0	0.47480E-06	474960.9	3746304.4	492.0	0.00	3.95
0.47	YES						
L0007570	0	0.47480E-06	474952.4	3746304.4	492.5	0.00	3.95
0.47	YES						
L0007571	0	0.47480E-06	474943.9	3746304.5	493.0	0.00	3.95
0.47	YES						
L0007572	0	0.47480E-06	474935.4	3746304.5	493.5	0.00	3.95
0.47	YES						
L0007573	0	0.47480E-06	474926.9	3746304.6	493.8	0.00	3.95
0.47	YES						
L0007574	0	0.47480E-06	474918.4	3746304.6	493.8	0.00	3.95
0.47	YES						
L0007575	0	0.47480E-06	474909.9	3746304.7	493.8	0.00	3.95
0.47	YES						
L0007576	0	0.47480E-06	474901.4	3746304.8	493.8	0.00	3.95
0.47	YES						
L0007577	0	0.47480E-06	474892.9	3746304.8	494.1	0.00	3.95
0.47	YES						
L0007578	0	0.47480E-06	474884.4	3746304.9	494.4	0.00	3.95
0.47	YES						

(METERS)		BY	CO				
L0007595	0	0.47480E-06	474752.3	3746293.4	501.8	0.00	3.95
0.47	YES						
L0007596	0	0.47480E-06	474752.3	3746284.9	501.8	0.00	3.95
0.47	YES						
L0007597	0	0.47480E-06	474752.4	3746276.4	501.8	0.00	3.95
0.47	YES						
L0007598	0	0.47480E-06	474752.4	3746267.9	501.8	0.00	3.95
0.47	YES						
L0007599	0	0.47480E-06	474752.4	3746259.4	501.8	0.00	3.95
0.47	YES						
L0007600	0	0.47480E-06	474757.9	3746255.2	501.4	0.00	3.95
0.47	YES						
L0007601	0	0.47480E-06	474766.2	3746253.2	500.9	0.00	3.95
0.47	YES						
L0007602	0	0.47480E-06	474774.4	3746251.2	500.3	0.00	3.95
0.47	YES						
L0007603	0	0.47480E-06	474782.7	3746249.2	499.8	0.00	3.95
0.47	YES						
L0007604	0	0.47480E-06	474789.1	3746250.2	499.4	0.00	3.95
0.47	YES						
L0007605	0	0.47480E-06	474791.0	3746258.5	499.1	0.00	3.95
0.47	YES						
L0007606	0	0.47480E-06	474793.0	3746266.8	498.8	0.00	3.95
0.47	YES						
L0007607	0	0.47480E-06	474794.9	3746275.1	498.6	0.00	3.95
0.47	YES						
L0007608	0	0.47480E-06	474796.8	3746283.3	498.4	0.00	3.95
0.47	YES						
L0007609	0	0.20160E-06	475031.7	3746317.3	489.6	0.00	3.95
0.47	YES						
L0007610	0	0.20160E-06	475032.2	3746308.8	489.6	0.00	3.95
0.47	YES						
L0007611	0	0.20160E-06	475028.9	3746303.9	489.7	0.00	3.95
0.47	YES						
L0007612	0	0.20160E-06	475020.4	3746304.0	490.0	0.00	3.95
0.47	YES						
L0007613	0	0.20160E-06	475011.9	3746304.1	490.3	0.00	3.95
0.47	YES						
L0007614	0	0.20160E-06	475003.4	3746304.1	490.6	0.00	3.95
0.47	YES						
L0007615	0	0.20160E-06	474994.9	3746304.2	490.8	0.00	3.95
0.47	YES						
L0007616	0	0.20160E-06	474986.4	3746304.2	491.1	0.00	3.95
0.47	YES						

CO

L0007617	0	0.20160E-06	474977.9	3746304.3	491.4	0.00	3.95
0.47 YES							
L0007618	0	0.20160E-06	474969.4	3746304.3	491.7	0.00	3.95
0.47 YES							
L0007619	0	0.20160E-06	474960.9	3746304.4	492.0	0.00	3.95
0.47 YES							
L0007620	0	0.20160E-06	474952.4	3746304.4	492.5	0.00	3.95
0.47 YES							
L0007621	0	0.20160E-06	474943.9	3746304.5	493.0	0.00	3.95
0.47 YES							
L0007622	0	0.20160E-06	474935.4	3746304.5	493.5	0.00	3.95
0.47 YES							
L0007623	0	0.20160E-06	474926.9	3746304.6	493.8	0.00	3.95
0.47 YES							
L0007624	0	0.20160E-06	474918.4	3746304.6	493.8	0.00	3.95
0.47 YES							
L0007625	0	0.20160E-06	474909.9	3746304.7	493.8	0.00	3.95
0.47 YES							
L0007626	0	0.20160E-06	474901.4	3746304.8	493.8	0.00	3.95
0.47 YES							
L0007627	0	0.20160E-06	474892.9	3746304.8	494.1	0.00	3.95
0.47 YES							
L0007628	0	0.20160E-06	474884.4	3746304.9	494.4	0.00	3.95
0.47 YES							
L0007629	0	0.20160E-06	474875.9	3746304.9	494.6	0.00	3.95
0.47 YES							
L0007630	0	0.20160E-06	474867.4	3746305.0	495.0	0.00	3.95
0.47 YES							
L0007631	0	0.20160E-06	474858.9	3746305.0	495.6	0.00	3.95
0.47 YES							
L0007632	0	0.20160E-06	474850.4	3746305.1	496.1	0.00	3.95
0.47 YES							
L0007633	0	0.20160E-06	474841.9	3746305.1	496.7	0.00	3.95
0.47 YES							
L0007634	0	0.20160E-06	474833.4	3746305.2	497.1	0.00	3.95
0.47 YES							

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*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT.

INIT. SZ	URBAN SOURCE ID (METERS)	EMISSION RATE PART. (GRAMS/SEC) SCALAR VARY CATS. BY	CO		ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)
			X (METERS)	Y (METERS)			
0.47	YES	0 0.20160E-06	474824.9	3746305.2	497.4	0.00	3.95
0.47	YES	0 0.20160E-06	474816.4	3746305.3	497.8	0.00	3.95
0.47	YES	0 0.20160E-06	474807.9	3746305.3	498.1	0.00	3.95
0.47	YES	0 0.20160E-06	474799.4	3746305.4	498.4	0.00	3.95
0.47	YES	0 0.20160E-06	474790.9	3746305.5	498.6	0.00	3.95
0.47	YES	0 0.20160E-06	474782.4	3746305.5	498.9	0.00	3.95
0.47	YES	0 0.20160E-06	474773.9	3746305.6	499.6	0.00	3.95
0.47	YES	0 0.20160E-06	474765.4	3746305.6	500.5	0.00	3.95
0.47	YES	0 0.20160E-06	474756.9	3746305.7	501.3	0.00	3.95
0.47	YES	0 0.20160E-06	474752.3	3746301.9	501.8	0.00	3.95
0.47	YES	0 0.20160E-06	474752.3	3746293.4	501.8	0.00	3.95
0.47	YES	0 0.20160E-06	474752.3	3746284.9	501.8	0.00	3.95
0.47	YES	0 0.20160E-06	474752.4	3746276.4	501.8	0.00	3.95
0.47	YES	0 0.20160E-06	474752.4	3746267.9	501.8	0.00	3.95
0.47	YES	0 0.20160E-06	474752.4	3746259.4	501.8	0.00	3.95
0.47	YES	0 0.20160E-06	474757.9	3746255.2	501.4	0.00	3.95
0.47	YES	0 0.20160E-06	474766.2	3746253.2	500.9	0.00	3.95
0.47	YES	0 0.20160E-06	474774.4	3746251.2	500.3	0.00	3.95
0.47	YES	0 0.20160E-06	474782.7	3746249.2	499.8	0.00	3.95
0.47	YES	0 0.20160E-06	474789.1	3746250.2	499.4	0.00	3.95

CO

L0007655	0	0.20160E-06	474791.0	3746258.5	499.1	0.00	3.95
0.47	YES						
L0007656	0	0.20160E-06	474793.0	3746266.8	498.8	0.00	3.95
0.47	YES						
L0007657	0	0.20160E-06	474794.9	3746275.1	498.6	0.00	3.95
0.47	YES						
L0007658	0	0.20160E-06	474796.8	3746283.3	498.4	0.00	3.95
0.47	YES						

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION	COORD (SW CORNER)	BASE	RELEASE	X-DIM
SOURCE	PART.	INIT.	URBAN	EMISSION		HEIGHT	OF AREA
OF AREA	OF AREA	SZ	SOURCE	SCALAR	ELEV.	(METERS)	(METERS)
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	BY				

AREA1	0	0.70345E-07	475113.7	3745988.1	487.4	3.90	59.08
255.83	0.34	1.80	YES				
AREA2	0	0.52490E-07	475380.9	3745968.9	478.6	3.90	75.77
267.30	0.26	1.80	YES				

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	LOCATION OF AREA	BASE	RELEASE	NUMBER
SOURCE	PART.	EMISSION	(GRAMS/SEC	X	Y	ELEV.	HEIGHT
SZ	SOURCE	SCALAR	VARY	(METERS)	(METERS)	(METERS)	OF VERTS.
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

CO

L0007264 , L0007259 , L0007260 , L0007261 , L0007262 , L0007263 ,
, L0007265 , L0007266 , ,

L0007272 , L0007267 , L0007268 , L0007269 , L0007270 , L0007271 ,
, L0007273 , L0007274 , ,

L0007280 , L0007275 , L0007276 , L0007277 , L0007278 , L0007279 ,
, L0007281 , L0007282 , ,

L0007288 , L0007283 , L0007284 , L0007285 , L0007286 , L0007287 ,
, L0007289 , L0007290 , ,

L0007296 , L0007291 , L0007292 , L0007293 , L0007294 , L0007295 ,
, L0007297 , L0007298 , ,

L0007304 , L0007299 , L0007300 , L0007301 , L0007302 , L0007303 ,
, L0007305 , L0007306 , ,

L0007312 , L0007307 , L0007308 , L0007309 , L0007310 , L0007311 ,
, L0007313 , L0007314 , ,

L0007320 , L0007315 , L0007316 , L0007317 , L0007318 , L0007319 ,
, L0007321 , L0007322 , ,

L0007328 , L0007323 , L0007324 , L0007325 , L0007326 , L0007327 ,
, L0007329 , L0007330 , ,

L0007336 , L0007331 , L0007332 , L0007333 , L0007334 , L0007335 ,
, L0007337 , L0007338 , ,

L0007344 , L0007339 , L0007340 , L0007341 , L0007342 , L0007343 ,
, L0007345 , L0007346 , ,

L0007352 , L0007347 , L0007348 , L0007349 , L0007350 , L0007351 ,
, L0007353 , L0007354 , ,

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

CO

L0007360	L0007355 , L0007361	, L0007356 , L0007362	, L0007357 ,	, L0007358	, L0007359	,
L0007368	L0007363 , L0007369	, L0007364 , L0007370	, L0007365 ,	, L0007366	, L0007367	,
L0007376	L0007371 , L0007377	, L0007372 , L0007378	, L0007373 ,	, L0007374	, L0007375	,
L0007384	L0007379 , L0007385	, L0007380 , L0007386	, L0007381 ,	, L0007382	, L0007383	,
L0007392	L0007387 , L0007393	, L0007388 , L0007394	, L0007389 ,	, L0007390	, L0007391	,
L0007400	L0007395 , L0007401	, L0007396 , L0007402	, L0007397 ,	, L0007398	, L0007399	,
L0007408	L0007403 , L0007409	, L0007404 , L0007410	, L0007405 ,	, L0007406	, L0007407	,
L0007416	L0007411 , L0007417	, L0007412 , L0007418	, L0007413 ,	, L0007414	, L0007415	,
L0007420	PAREA1 , L0007421	, PAREA2 , L0007422	, AREA1 ,	, AREA2	, L0007419	,
L0007428	L0007423 , L0007429	, L0007424 , L0007430	, L0007425 ,	, L0007426	, L0007427	,
L0007436	L0007431 , L0007437	, L0007432 , L0007438	, L0007433 ,	, L0007434	, L0007435	,
L0007444	L0007439 , L0007445	, L0007440 , L0007446	, L0007441 ,	, L0007442	, L0007443	,
L0007452	L0007447 , L0007453	, L0007448 , L0007454	, L0007449 ,	, L0007450	, L0007451	,
L0007460	L0007455 , L0007461	, L0007456 , L0007462	, L0007457 ,	, L0007458	, L0007459	,
L0007468	L0007463 , L0007469	, L0007464 , L0007470	, L0007465 ,	, L0007466	, L0007467	,

```

CO
L0007476      L0007471      , L0007472      , L0007473      , L0007474      , L0007475      ,
, L0007477      , L0007478      ,
L0007484      L0007479      , L0007480      , L0007481      , L0007482      , L0007483      ,
, L0007485      , L0007486      ,
L0007492      L0007487      , L0007488      , L0007489      , L0007490      , L0007491      ,
, L0007493      , L0007494      ,
L0007500      L0007495      , L0007496      , L0007497      , L0007498      , L0007499      ,
, L0007501      , L0007502      ,
L0007508      L0007503      , L0007504      , L0007505      , L0007506      , L0007507      ,
, L0007509      , L0007510      ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\PM10\PM10.isc *** *** 01/28/16
*** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

```

SRCGROUP ID                                     SOURCE IDs
-----
L0007516      L0007511      , L0007512      , L0007513      , L0007514      , L0007515      ,
, L0007517      , L0007518      ,
L0007524      L0007519      , L0007520      , L0007521      , L0007522      , L0007523      ,
, L0007525      , L0007526      ,
L0007532      L0007527      , L0007528      , L0007529      , L0007530      , L0007531      ,
, L0007533      , L0007534      ,
L0007540      L0007535      , L0007536      , L0007537      , L0007538      , L0007539      ,
, L0007541      , L0007542      ,
L0007548      L0007543      , L0007544      , L0007545      , L0007546      , L0007547      ,
, L0007549      , L0007550      ,
L0007556      L0007551      , L0007552      , L0007553      , L0007554      , L0007555      ,
, L0007557      , L0007558      ,

```

CO

L0007564 L0007559 , L0007560 , L0007561 , L0007562 , L0007563 ,
 , L0007565 , L0007566 ,
 L0007572 L0007567 , L0007568 , L0007569 , L0007570 , L0007571 ,
 , L0007573 , L0007574 ,
 L0007580 L0007575 , L0007576 , L0007577 , L0007578 , L0007579 ,
 , L0007581 , L0007582 ,
 L0007588 L0007583 , L0007584 , L0007585 , L0007586 , L0007587 ,
 , L0007589 , L0007590 ,
 L0007596 L0007591 , L0007592 , L0007593 , L0007594 , L0007595 ,
 , L0007597 , L0007598 ,
 L0007604 L0007599 , L0007600 , L0007601 , L0007602 , L0007603 ,
 , L0007605 , L0007606 ,
 L0007612 L0007607 , L0007608 , L0007609 , L0007610 , L0007611 ,
 , L0007613 , L0007614 ,
 L0007620 L0007615 , L0007616 , L0007617 , L0007618 , L0007619 ,
 , L0007621 , L0007622 ,
 L0007628 L0007623 , L0007624 , L0007625 , L0007626 , L0007627 ,
 , L0007629 , L0007630 ,
 L0007636 L0007631 , L0007632 , L0007633 , L0007634 , L0007635 ,
 , L0007637 , L0007638 ,
 L0007644 L0007639 , L0007640 , L0007641 , L0007642 , L0007643 ,
 , L0007645 , L0007646 ,
 L0007652 L0007647 , L0007648 , L0007649 , L0007650 , L0007651 ,
 , L0007653 , L0007654 ,

L0007655 , L0007656 , L0007657 , L0007658 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

CO

URBAN ID -----	URBAN POP -----	SOURCE IDs -----					
L0007199 L0007202	2100516. , L0007200 ,	L0007195 , L0007201	, L0007196 ,	, L0007197 ,	, L0007198 ,		
L0007208	L0007203 , L0007209	, L0007204 , L0007210	, L0007205 ,	, L0007206 ,	, L0007207 ,		
L0007216	L0007211 , L0007217	, L0007212 , L0007218	, L0007213 ,	, L0007214 ,	, L0007215 ,		
L0007224	L0007219 , L0007225	, L0007220 , L0007226	, L0007221 ,	, L0007222 ,	, L0007223 ,		
L0007232	L0007227 , L0007233	, L0007228 , L0007234	, L0007229 ,	, L0007230 ,	, L0007231 ,		
L0007240	L0007235 , L0007241	, L0007236 , L0007242	, L0007237 ,	, L0007238 ,	, L0007239 ,		
L0007248	L0007243 , L0007249	, L0007244 , L0007250	, L0007245 ,	, L0007246 ,	, L0007247 ,		
L0007256	L0007251 , L0007257	, L0007252 , L0007258	, L0007253 ,	, L0007254 ,	, L0007255 ,		
L0007264	L0007259 , L0007265	, L0007260 , L0007266	, L0007261 ,	, L0007262 ,	, L0007263 ,		
L0007272	L0007267 , L0007273	, L0007268 , L0007274	, L0007269 ,	, L0007270 ,	, L0007271 ,		
L0007280	L0007275 , L0007281	, L0007276 , L0007282	, L0007277 ,	, L0007278 ,	, L0007279 ,		
L0007288	L0007283 , L0007289	, L0007284 , L0007290	, L0007285 ,	, L0007286 ,	, L0007287 ,		
L0007296	L0007291 , L0007297	, L0007292 , L0007298	, L0007293 ,	, L0007294 ,	, L0007295 ,		
L0007304	L0007299 , L0007305	, L0007300 , L0007306	, L0007301 ,	, L0007302 ,	, L0007303 ,		

CO

L0007312 , L0007307 , L0007308 , L0007309 , L0007310 , L0007311 ,
 , L0007313 , L0007314 , ,

L0007320 , L0007315 , L0007316 , L0007317 , L0007318 , L0007319 ,
 , L0007321 , L0007322 , ,

L0007328 , L0007323 , L0007324 , L0007325 , L0007326 , L0007327 ,
 , L0007329 , L0007330 , ,

L0007336 , L0007331 , L0007332 , L0007333 , L0007334 , L0007335 ,
 , L0007337 , L0007338 , ,

L0007344 , L0007339 , L0007340 , L0007341 , L0007342 , L0007343 ,
 , L0007345 , L0007346 , ,

L0007352 , L0007347 , L0007348 , L0007349 , L0007350 , L0007351 ,
 , L0007353 , L0007354 , ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0007360	L0007355 , L0007356 , L0007357 , L0007358 , L0007359 , , L0007361 , L0007362 , ,	
L0007368	L0007363 , L0007364 , L0007365 , L0007366 , L0007367 , , L0007369 , L0007370 , ,	
L0007376	L0007371 , L0007372 , L0007373 , L0007374 , L0007375 , , L0007377 , L0007378 , ,	
L0007384	L0007379 , L0007380 , L0007381 , L0007382 , L0007383 , , L0007385 , L0007386 , ,	
L0007392	L0007387 , L0007388 , L0007389 , L0007390 , L0007391 , , L0007393 , L0007394 , ,	

CO

L0007400 L0007395 , L0007396 , L0007397 , L0007398 , L0007399 ,
 , L0007401 , L0007402 ,
 L0007403 , L0007404 , L0007405 , L0007406 , L0007407 ,
 L0007408 , L0007409 , L0007410 ,
 L0007411 , L0007412 , L0007413 , L0007414 , L0007415 ,
 L0007416 , L0007417 , L0007418 ,
 PAREA1 , PAREA2 , AREA1 , AREA2 , L0007419 ,
 L0007420 , L0007421 , L0007422 ,
 L0007423 , L0007424 , L0007425 , L0007426 , L0007427 ,
 L0007428 , L0007429 , L0007430 ,
 L0007431 , L0007432 , L0007433 , L0007434 , L0007435 ,
 L0007436 , L0007437 , L0007438 ,
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 L0007468 , L0007469 , L0007470 ,
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 L0007476 , L0007477 , L0007478 ,
 L0007479 , L0007480 , L0007481 , L0007482 , L0007483 ,
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 L0007487 , L0007488 , L0007489 , L0007490 , L0007491 ,
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 L0007495 , L0007496 , L0007497 , L0007498 , L0007499 ,
 L0007500 , L0007501 , L0007502 ,
 L0007503 , L0007504 , L0007505 , L0007506 , L0007507 ,
 L0007508 , L0007509 , L0007510 ,

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\PM10\PM10.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***

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**MODELOPTs: RegDEFAULT CONC

ELEV

URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0007516	L0007511 , L0007517	L0007512 , L0007518	L0007513 ,	L0007514 ,	L0007515 ,		
L0007524	L0007519 , L0007525	L0007520 , L0007526	L0007521 ,	L0007522 ,	L0007523 ,		
L0007532	L0007527 , L0007533	L0007528 , L0007534	L0007529 ,	L0007530 ,	L0007531 ,		
L0007540	L0007535 , L0007541	L0007536 , L0007542	L0007537 ,	L0007538 ,	L0007539 ,		
L0007548	L0007543 , L0007549	L0007544 , L0007550	L0007545 ,	L0007546 ,	L0007547 ,		
L0007556	L0007551 , L0007557	L0007552 , L0007558	L0007553 ,	L0007554 ,	L0007555 ,		
L0007564	L0007559 , L0007565	L0007560 , L0007566	L0007561 ,	L0007562 ,	L0007563 ,		
L0007572	L0007567 , L0007573	L0007568 , L0007574	L0007569 ,	L0007570 ,	L0007571 ,		
L0007580	L0007575 , L0007581	L0007576 , L0007582	L0007577 ,	L0007578 ,	L0007579 ,		
L0007588	L0007583 , L0007589	L0007584 , L0007590	L0007585 ,	L0007586 ,	L0007587 ,		
L0007596	L0007591 , L0007597	L0007592 , L0007598	L0007593 ,	L0007594 ,	L0007595 ,		
L0007604	L0007599 , L0007605	L0007600 , L0007606	L0007601 ,	L0007602 ,	L0007603 ,		

CO

L0007612 L0007607 , L0007608 , L0007609 , L0007610 , L0007611 ,
 , L0007613 , L0007614 ,

L0007620 L0007615 , L0007616 , L0007617 , L0007618 , L0007619 ,
 , L0007621 , L0007622 ,

L0007628 L0007623 , L0007624 , L0007625 , L0007626 , L0007627 ,
 , L0007629 , L0007630 ,

L0007636 L0007631 , L0007632 , L0007633 , L0007634 , L0007635 ,
 , L0007637 , L0007638 ,

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L0007652 L0007647 , L0007648 , L0007649 , L0007650 , L0007651 ,
 , L0007653 , L0007654 ,

L0007655 , L0007656 , L0007657 , L0007658 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\PM10\PM10.isc *** 01/28/16
 *** AERMET - VERSION 14134 *** ***
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

(474747.9, 3745949.7, 510.2, 517.0, 0.0); (474784.6,
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(474821.2, 3745949.7, 500.6, 523.0, 0.0); (474857.9,
 3745949.7, 499.4, 517.0, 0.0);

(474894.6, 3745949.7, 498.2, 498.2, 0.0); (474931.2,
 3745949.7, 496.0, 496.0, 0.0);

(474967.9, 3745949.7, 494.7, 494.7, 0.0); (475004.6,
 3745949.7, 493.0, 493.0, 0.0);

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(475114.6, 3745949.7, 486.9, 486.9, 0.0); (475151.3,
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(475187.9, 3745949.7, 486.4, 486.4, 0.0); (475224.6,
 3745949.7, 483.6, 483.6, 0.0);

(475261.3, 3745949.7, 482.0, 482.0, 0.0); (475298.0,
 3745949.7, 480.7, 480.7, 0.0);

(475334.6, 3745949.7, 479.5, 479.5, 0.0); (475371.3,

CO

3745949.7, 478.3, 478.3, 0.0);
 (475408.0, 3745949.7, 478.0, 478.0, 0.0); (475444.6,
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 (474857.9, 3745959.5, 498.9, 519.0, 0.0); (474894.6,
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 3746274.2, 466.2, 466.2, 0.0);
 (474664.9, 3746299.9, 509.9, 523.0, 0.0); (474662.0,
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♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP

CO

Surface file: ..\..\SRA24_Met Data\peri8.sfc
 Met Version: 14134
 Profile file: ..\..\SRA24_Met Data\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190
 Name: UNKNOWN

Upper air station no.: 3190
 Name: UNKNOWN

Year: 2007

Year: 2007

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
07	01	01	1	01	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	133.			9.1	279.9	5.5							
07	01	01	1	02	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	192.			9.1	279.2	5.5							
07	01	01	1	03	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	160.			9.1	277.5	5.5							
07	01	01	1	04	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	75.			9.1	277.5	5.5							
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	282.			9.1	278.8	5.5							
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00	
1.00	0.50	96.			9.1	277.5	5.5							
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00	
1.00	0.50	129.			9.1	278.1	5.5							
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00	
0.54	0.50	99.			9.1	277.5	5.5							
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00	
0.33	0.50	133.			9.1	278.1	5.5							
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00	
0.26	0.50	174.			9.1	281.4	5.5							
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00	
0.23	0.50	95.			9.1	284.9	5.5							
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00	
0.22	1.30	94.			9.1	288.1	5.5							
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00	
0.22	2.20	24.			9.1	291.4	5.5							
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00	
0.23	3.60	13.			9.1	292.5	5.5							
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00	

CO

0.27	5.80	318.	9.1	292.0	5.5								
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36	5.80	329.	9.1	291.4	5.5								
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64	4.50	333.	9.1	289.9	5.5								
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00	3.60	305.	9.1	288.8	5.5								
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00	4.50	276.	9.1	287.5	5.5								
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00	3.60	323.	9.1	287.5	5.5								
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00	4.00	322.	9.1	288.1	5.5								
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00	4.50	30.	9.1	288.1	5.5								
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00	4.00	343.	9.1	287.0	5.5								
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00	1.80	155.	9.1	283.8	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0007195 , L0007196
 , L0007197 , L0007198 , L0007199 ,
 , L0007200 , L0007201 , L0007202 , L0007203 , L0007204
 , L0007205 , L0007206 , L0007207 ,
 , L0007208 , L0007209 , L0007210 , L0007211 , L0007212
 , L0007213 , L0007214 , L0007215 ,
 , L0007216 , L0007217 , L0007218 , L0007219 , L0007220
 , L0007221 , L0007222 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

CO

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
474747.90	3745949.70	0.05391	474784.57
3745949.70	0.09206		
474821.24	3745949.70	0.12339	474857.91
3745949.70	0.11709		
474894.58	3745949.70	0.10070	474931.25
3745949.70	0.09500		
474967.92	3745949.70	0.10448	475004.59
3745949.70	0.13267		
475041.26	3745949.70	0.17300	475077.93
3745949.70	0.17327		
475114.60	3745949.70	0.17569	475151.27
3745949.70	0.19034		
475187.94	3745949.70	0.17310	475224.61
3745949.70	0.13215		
475261.28	3745949.70	0.10668	475297.95
3745949.70	0.09454		
475334.62	3745949.70	0.09595	475371.29
3745949.70	0.12001		
475407.96	3745949.70	0.17274	475444.63
3745949.70	0.17145		
475481.30	3745949.70	0.12458	474747.90
3745959.54	0.05800		
474784.57	3745959.54	0.10712	474821.24
3745959.54	0.14491		
474857.91	3745959.54	0.12776	474894.58
3745959.54	0.10556		
474931.25	3745959.54	0.09920	474967.92
3745959.54	0.11114		
475004.59	3745959.54	0.14956	475041.26
3745959.54	0.20159		
475077.93	3745959.54	0.19256	475114.60
3745959.54	0.19508		
475151.27	3745959.54	0.22130	475187.94
3745959.54	0.19133		
475224.61	3745959.54	0.13767	475261.28
3745959.54	0.10950		
475297.95	3745959.54	0.09706	475334.62
3745959.54	0.10062		
475371.29	3745959.54	0.13663	475407.96
3745959.54	0.21497		

			CO	
475444.63	3745959.54		0.20508	475481.30
3745959.54	0.13236			
475854.15	3746316.72		0.00909	475863.29
3746274.18	0.00892			
474664.93	3746299.89		0.05814	474662.05
3746153.15	0.06174			
474663.49	3746227.96		0.06211	474771.38
3745956.06	0.08330			
474870.65	3745958.94		0.11775	474997.25
3745954.62	0.13118			
475493.57	3746291.26		0.08160	475487.82
3746194.87	0.12705			
475489.25	3746118.62		0.15137	475487.82
3746026.55	0.14683			
475487.82	3745983.39		0.13211	475983.57
3745850.62	0.00915			
475666.25	3746386.09		0.01847	475458.03
3746392.70	0.05245			
475552.78	3746390.49		0.03310	475922.95
3746380.58	0.00743			
475680.57	3746815.75		0.01174	475845.83
3746556.85	0.00903			
475854.15	3746316.72		0.00909	475863.29
3746274.18	0.00892			

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0007195 , L0007196
, L0007197 , L0007198 , L0007199 ,
, L0007205 , L0007200 , L0007201 , L0007202 , L0007203 , L0007204
, L0007213 , L0007206 , L0007207 ,
, L0007213 , L0007208 , L0007209 , L0007210 , L0007211 , L0007212
, L0007221 , L0007214 , L0007215 ,
, L0007221 , L0007216 , L0007217 , L0007218 , L0007219 , L0007220
, L0007221 , L0007222 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

CO

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
474747.90	3745949.70	0.19852	(07110624)	474784.57
3745949.70	0.30183	(08032324)		
474821.24	3745949.70	0.45155	(09050424)	474857.91
3745949.70	0.35805	(09050424)		
474894.58	3745949.70	0.23534	(07051124)	474931.25
3745949.70	0.24646	(07120924)		
474967.92	3745949.70	0.29429	(07061824)	475004.59
3745949.70	0.38662	(08032324)		
475041.26	3745949.70	0.50668	(09050424)	475077.93
3745949.70	0.47069	(09050424)		
475114.60	3745949.70	0.42791	(07122924)	475151.27
3745949.70	0.59201	(09050424)		
475187.94	3745949.70	0.50893	(09050424)	475224.61
3745949.70	0.32895	(09121024)		
475261.28	3745949.70	0.28147	(07112624)	475297.95
3745949.70	0.25812	(07112624)		
475334.62	3745949.70	0.25572	(07112624)	475371.29
3745949.70	0.31958	(07110624)		
475407.96	3745949.70	0.46173	(09050424)	475444.63
3745949.70	0.58236	(09050424)		
475481.30	3745949.70	0.35063	(09050424)	474747.90
3745959.54	0.21190	(07110624)		
474784.57	3745959.54	0.34179	(08032324)	474821.24
3745959.54	0.52283	(09050424)		
474857.91	3745959.54	0.36939	(09050424)	474894.58
3745959.54	0.24406	(07051124)		
474931.25	3745959.54	0.25058	(07051124)	474967.92
3745959.54	0.31362	(07061824)		
475004.59	3745959.54	0.43448	(08032324)	475041.26
3745959.54	0.59747	(09050424)		
475077.93	3745959.54	0.49933	(09050424)	475114.60
3745959.54	0.47090	(07122924)		
475151.27	3745959.54	0.67896	(09050424)	475187.94
3745959.54	0.54003	(09050424)		
475224.61	3745959.54	0.33749	(07112624)	475261.28
3745959.54	0.29040	(07112624)		
475297.95	3745959.54	0.26187	(07112624)	475334.62
3745959.54	0.25921	(07112624)		
475371.29	3745959.54	0.36640	(07110624)	475407.96
3745959.54	0.56047	(09050424)		
475444.63	3745959.54	0.66992	(09050424)	475481.30
3745959.54	0.35773	(07101424)		
475854.15	3746316.72	0.05400	(09082524)	475863.29

CO

3746274.18	0.05562	(09082524)		
474664.93	3746299.89	0.25600	(07021324)	474662.05
3746153.15	0.23919	(07122824)		
474663.49	3746227.96	0.27728	(07122824)	474771.38
3745956.06	0.28272	(08032324)		
474870.65	3745958.94	0.29530	(09050424)	474997.25
3745954.62	0.38520	(07110624)		
475493.57	3746291.26	0.24170m	(10020924)	475487.82
3746194.87	0.37916	(09112024)		
475489.25	3746118.62	0.40377	(08020224)	475487.82
3746026.55	0.41308	(07110824)		
475487.82	3745983.39	0.37123	(07110824)	475983.57
3745850.62	0.05598	(07102724)		
475666.25	3746386.09	0.09127m	(09021024)	475458.03
3746392.70	0.16234m	(10020924)		
475552.78	3746390.49	0.12544m	(09021024)	475922.95
3746380.58	0.04270	(09111524)		
475680.57	3746815.75	0.05088	(08122224)	475845.83
3746556.85	0.04869	(09113024)		
475854.15	3746316.72	0.05400	(09082524)	475863.29
3746274.18	0.05562	(09082524)		

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR,
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	

ALL	1ST HIGHEST VALUE IS	0.22130 AT (	475151.27, 3745959.54,
486.89,	486.89, 0.00) DC		
	2ND HIGHEST VALUE IS	0.21497 AT (	475407.96, 3745959.54,
478.02,	478.02, 0.00) DC		
	3RD HIGHEST VALUE IS	0.20508 AT (	475444.63, 3745959.54,

CO

476.27, 476.27, 0.00) DC 0.20159 AT (475041.26, 3745959.54,
 489.78, 489.78, 0.00) DC 5TH HIGHEST VALUE IS 0.19508 AT (475114.60, 3745959.54,
 486.94, 486.94, 0.00) DC 6TH HIGHEST VALUE IS 0.19256 AT (475077.93, 3745959.54,
 487.43, 487.43, 0.00) DC 7TH HIGHEST VALUE IS 0.19133 AT (475187.94, 3745959.54,
 486.53, 486.53, 0.00) DC 8TH HIGHEST VALUE IS 0.19034 AT (475151.27, 3745949.70,
 486.37, 486.37, 0.00) DC 9TH HIGHEST VALUE IS 0.17569 AT (475114.60, 3745949.70,
 486.85, 486.85, 0.00) DC 10TH HIGHEST VALUE IS 0.17327 AT (475077.93, 3745949.70,
 487.15, 487.15, 0.00) DC

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

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**MODELOPTs: RegDFault CONC ELEV URBAN

*** THE SUMMARY OF HIGHEST 24-HR

RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)				

ALL HIGH 1ST HIGH VALUE IS 0.67896 ON 09050424: AT (475151.27, 3745959.54, 486.89, 486.89, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART

CO

GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 90 Calm Hours Identified

A Total of 1805 Missing Hours Identified (4.12 Percent)

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

***** WARNING MESSAGES *****
ME W531 1294 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***

**

**

** AERMOD Input Produced by:
** AERMOD View Ver. 9.0.0
** Lakes Environmental Software Inc.
** Date: 1/29/2016
** File: C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\PM25\PM25.ADI
**

CO

**
**

** AERMOD Control Pathway

**
**

CO STARTING

TITLEONE C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\PM25\PM25.isc
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2100516
POLLUTID PM_2.5
RUNORNOT RUN
ERRORFIL PM25.err

CO FINISHED

**

** AERMOD Source Pathway

**
**

SO STARTING

** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1
** DESCRSRC Idling Building E (West Side)
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00005527
** Vertical Dimension = 4.00
** SZINIT = 1.86

** Nodes = 2

** 474824.850, 3746236.554, 497.36, 4.00, 3.95

** 474820.373, 3745997.196, 500.21, 4.00, 3.95

** -----

LOCATION	VOLUME	X Coord.	Y Coord.	Height
L0007659	474824.771	3746232.304	496.81	
L0007660	474824.612	3746223.806	496.96	
L0007661	474824.453	3746215.307	497.11	
L0007662	474824.294	3746206.809	497.26	
L0007663	474824.135	3746198.310	497.40	
L0007664	474823.976	3746189.812	497.55	
L0007665	474823.817	3746181.313	498.12	
L0007666	474823.658	3746172.815	498.69	
L0007667	474823.499	3746164.316	499.26	

CO

LOCATION L0007668	VOLUME	474823.340	3746155.818	499.43
LOCATION L0007669	VOLUME	474823.181	3746147.319	499.19
LOCATION L0007670	VOLUME	474823.022	3746138.821	498.95
LOCATION L0007671	VOLUME	474822.863	3746130.322	498.72
LOCATION L0007672	VOLUME	474822.704	3746121.824	498.57
LOCATION L0007673	VOLUME	474822.545	3746113.325	498.42
LOCATION L0007674	VOLUME	474822.386	3746104.827	498.27
LOCATION L0007675	VOLUME	474822.227	3746096.328	498.18
LOCATION L0007676	VOLUME	474822.068	3746087.830	498.20
LOCATION L0007677	VOLUME	474821.909	3746079.331	498.21
LOCATION L0007678	VOLUME	474821.750	3746070.833	498.22
LOCATION L0007679	VOLUME	474821.591	3746062.334	498.48
LOCATION L0007680	VOLUME	474821.432	3746053.836	498.78
LOCATION L0007681	VOLUME	474821.273	3746045.337	499.07
LOCATION L0007682	VOLUME	474821.114	3746036.839	499.26
LOCATION L0007683	VOLUME	474820.955	3746028.340	499.27
LOCATION L0007684	VOLUME	474820.796	3746019.842	499.28
LOCATION L0007685	VOLUME	474820.637	3746011.343	499.29
LOCATION L0007686	VOLUME	474820.478	3746002.845	499.38

** End of LINE VOLUME Source ID = SLINE1

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Idling Building E (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005527

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475022.016, 3746232.412, 489.79, 4.00, 3.95

** 475017.538, 3745993.054, 491.56, 4.00, 3.95

**

LOCATION L0007687	VOLUME	475021.937	3746228.162	489.89
LOCATION L0007688	VOLUME	475021.778	3746219.664	489.87
LOCATION L0007689	VOLUME	475021.619	3746211.165	489.61
LOCATION L0007690	VOLUME	475021.460	3746202.667	489.35
LOCATION L0007691	VOLUME	475021.301	3746194.168	489.09
LOCATION L0007692	VOLUME	475021.142	3746185.670	489.11
LOCATION L0007693	VOLUME	475020.983	3746177.171	489.39
LOCATION L0007694	VOLUME	475020.824	3746168.673	489.68
LOCATION L0007695	VOLUME	475020.665	3746160.174	489.97
LOCATION L0007696	VOLUME	475020.506	3746151.676	489.71
LOCATION L0007697	VOLUME	475020.347	3746143.177	489.43
LOCATION L0007698	VOLUME	475020.188	3746134.679	489.15
LOCATION L0007699	VOLUME	475020.029	3746126.180	489.13
LOCATION L0007700	VOLUME	475019.870	3746117.682	489.41

CO

LOCATION L0007701	VOLUME	475019.711	3746109.183	489.70
LOCATION L0007702	VOLUME	475019.552	3746100.685	489.99
LOCATION L0007703	VOLUME	475019.393	3746092.186	490.02
LOCATION L0007704	VOLUME	475019.234	3746083.688	490.03
LOCATION L0007705	VOLUME	475019.075	3746075.189	490.03
LOCATION L0007706	VOLUME	475018.916	3746066.691	490.04
LOCATION L0007707	VOLUME	475018.757	3746058.192	490.06
LOCATION L0007708	VOLUME	475018.598	3746049.694	490.08
LOCATION L0007709	VOLUME	475018.439	3746041.195	490.10
LOCATION L0007710	VOLUME	475018.280	3746032.697	490.34
LOCATION L0007711	VOLUME	475018.121	3746024.198	490.62
LOCATION L0007712	VOLUME	475017.962	3746015.700	490.89
LOCATION L0007713	VOLUME	475017.803	3746007.201	491.08
LOCATION L0007714	VOLUME	475017.644	3745998.702	491.11

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Idling Building D (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00006986

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475163.781, 3746230.017, 485.24, 4.00, 3.95

** 475159.303, 3745990.660, 487.81, 4.00, 3.95

** -----

LOCATION L0007715	VOLUME	475163.701	3746225.768	485.02
LOCATION L0007716	VOLUME	475163.542	3746217.269	485.14
LOCATION L0007717	VOLUME	475163.383	3746208.771	484.93
LOCATION L0007718	VOLUME	475163.224	3746200.272	484.72
LOCATION L0007719	VOLUME	475163.065	3746191.774	484.51
LOCATION L0007720	VOLUME	475162.906	3746183.275	484.64
LOCATION L0007721	VOLUME	475162.747	3746174.777	484.87
LOCATION L0007722	VOLUME	475162.588	3746166.278	485.09
LOCATION L0007723	VOLUME	475162.429	3746157.780	485.25
LOCATION L0007724	VOLUME	475162.270	3746149.281	485.26
LOCATION L0007725	VOLUME	475162.111	3746140.783	485.26
LOCATION L0007726	VOLUME	475161.953	3746132.284	485.27
LOCATION L0007727	VOLUME	475161.794	3746123.785	485.48
LOCATION L0007728	VOLUME	475161.635	3746115.287	485.77
LOCATION L0007729	VOLUME	475161.476	3746106.788	486.06
LOCATION L0007730	VOLUME	475161.317	3746098.290	486.29
LOCATION L0007731	VOLUME	475161.158	3746089.791	486.29
LOCATION L0007732	VOLUME	475160.999	3746081.293	486.30
LOCATION L0007733	VOLUME	475160.840	3746072.794	486.31

CO

LOCATION L0007734	VOLUME	475160.681	3746064.296	486.50
LOCATION L0007735	VOLUME	475160.522	3746055.797	486.79
LOCATION L0007736	VOLUME	475160.363	3746047.299	487.08
LOCATION L0007737	VOLUME	475160.204	3746038.800	487.35
LOCATION L0007738	VOLUME	475160.045	3746030.302	487.55
LOCATION L0007739	VOLUME	475159.886	3746021.803	487.74
LOCATION L0007740	VOLUME	475159.727	3746013.305	487.93
LOCATION L0007741	VOLUME	475159.568	3746004.806	488.00
LOCATION L0007742	VOLUME	475159.409	3745996.308	488.00

** End of LINE VOLUME Source ID = SLINE3

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Idling Building D (East Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00006986

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

** -----

LOCATION L0007743	VOLUME	475392.153	3746219.541	477.59
LOCATION L0007744	VOLUME	475391.994	3746211.043	477.60
LOCATION L0007745	VOLUME	475391.835	3746202.544	477.61
LOCATION L0007746	VOLUME	475391.676	3746194.046	477.61
LOCATION L0007747	VOLUME	475391.517	3746185.547	477.56
LOCATION L0007748	VOLUME	475391.358	3746177.049	477.46
LOCATION L0007749	VOLUME	475391.200	3746168.550	477.36
LOCATION L0007750	VOLUME	475391.041	3746160.052	477.26
LOCATION L0007751	VOLUME	475390.882	3746151.553	477.27
LOCATION L0007752	VOLUME	475390.723	3746143.055	477.29
LOCATION L0007753	VOLUME	475390.564	3746134.556	477.30
LOCATION L0007754	VOLUME	475390.405	3746126.058	477.35
LOCATION L0007755	VOLUME	475390.246	3746117.559	477.46
LOCATION L0007756	VOLUME	475390.087	3746109.061	477.56
LOCATION L0007757	VOLUME	475389.928	3746100.562	477.66
LOCATION L0007758	VOLUME	475389.769	3746092.064	477.67
LOCATION L0007759	VOLUME	475389.610	3746083.565	477.68
LOCATION L0007760	VOLUME	475389.451	3746075.067	477.68
LOCATION L0007761	VOLUME	475389.292	3746066.568	477.69
LOCATION L0007762	VOLUME	475389.133	3746058.070	477.70
LOCATION L0007763	VOLUME	475388.974	3746049.571	477.70
LOCATION L0007764	VOLUME	475388.815	3746041.073	477.71
LOCATION L0007765	VOLUME	475388.656	3746032.574	477.96
LOCATION L0007766	VOLUME	475388.497	3746024.076	478.25

CO

LOCATION L0007767	VOLUME	475388.338	3746015.577	478.54
LOCATION L0007768	VOLUME	475388.179	3746007.079	478.73
LOCATION L0007769	VOLUME	475388.020	3745998.580	478.73
LOCATION L0007770	VOLUME	475387.861	3745990.082	478.74

** End of LINE VOLUME Source ID = SLINE4

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC On-Site Travel Building E (West Side)

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00005118

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 2

** 474824.850, 3746236.554, 497.36, 4.00, 3.95

** 474820.373, 3745997.196, 500.21, 4.00, 3.95

**

LOCATION L0007771 VOLUME 474824.771 3746232.304 496.81
LOCATION L0007772 VOLUME 474824.612 3746223.806 496.96
LOCATION L0007773 VOLUME 474824.453 3746215.307 497.11
LOCATION L0007774 VOLUME 474824.294 3746206.809 497.26
LOCATION L0007775 VOLUME 474824.135 3746198.310 497.40
LOCATION L0007776 VOLUME 474823.976 3746189.812 497.55
LOCATION L0007777 VOLUME 474823.817 3746181.313 498.12
LOCATION L0007778 VOLUME 474823.658 3746172.815 498.69
LOCATION L0007779 VOLUME 474823.499 3746164.316 499.26
LOCATION L0007780 VOLUME 474823.340 3746155.818 499.43
LOCATION L0007781 VOLUME 474823.181 3746147.319 499.19
LOCATION L0007782 VOLUME 474823.022 3746138.821 498.95
LOCATION L0007783 VOLUME 474822.863 3746130.322 498.72
LOCATION L0007784 VOLUME 474822.704 3746121.824 498.57
LOCATION L0007785 VOLUME 474822.545 3746113.325 498.42
LOCATION L0007786 VOLUME 474822.386 3746104.827 498.27
LOCATION L0007787 VOLUME 474822.227 3746096.328 498.18
LOCATION L0007788 VOLUME 474822.068 3746087.830 498.20
LOCATION L0007789 VOLUME 474821.909 3746079.331 498.21
LOCATION L0007790 VOLUME 474821.750 3746070.833 498.22
LOCATION L0007791 VOLUME 474821.591 3746062.334 498.48
LOCATION L0007792 VOLUME 474821.432 3746053.836 498.78
LOCATION L0007793 VOLUME 474821.273 3746045.337 499.07
LOCATION L0007794 VOLUME 474821.114 3746036.839 499.26
LOCATION L0007795 VOLUME 474820.955 3746028.340 499.27
LOCATION L0007796 VOLUME 474820.796 3746019.842 499.28
LOCATION L0007797 VOLUME 474820.637 3746011.343 499.29
LOCATION L0007798 VOLUME 474820.478 3746002.845 499.38

** End of LINE VOLUME Source ID = SLINE5

CO

** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC On-Site Travel Building E (East Side)
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00005118
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 2
** 475022.016, 3746232.412, 489.79, 4.00, 3.95
** 475017.538, 3745993.054, 491.56, 4.00, 3.95
** -----

LOCATION	VOLUME				
L0007799	475021.937	3746228.162	489.89		
L0007800	475021.778	3746219.664	489.87		
L0007801	475021.619	3746211.165	489.61		
L0007802	475021.460	3746202.667	489.35		
L0007803	475021.301	3746194.168	489.09		
L0007804	475021.142	3746185.670	489.11		
L0007805	475020.983	3746177.171	489.39		
L0007806	475020.824	3746168.673	489.68		
L0007807	475020.665	3746160.174	489.97		
L0007808	475020.506	3746151.676	489.71		
L0007809	475020.347	3746143.177	489.43		
L0007810	475020.188	3746134.679	489.15		
L0007811	475020.029	3746126.180	489.13		
L0007812	475019.870	3746117.682	489.41		
L0007813	475019.711	3746109.183	489.70		
L0007814	475019.552	3746100.685	489.99		
L0007815	475019.393	3746092.186	490.02		
L0007816	475019.234	3746083.688	490.03		
L0007817	475019.075	3746075.189	490.03		
L0007818	475018.916	3746066.691	490.04		
L0007819	475018.757	3746058.192	490.06		
L0007820	475018.598	3746049.694	490.08		
L0007821	475018.439	3746041.195	490.10		
L0007822	475018.280	3746032.697	490.34		
L0007823	475018.121	3746024.198	490.62		
L0007824	475017.962	3746015.700	490.89		
L0007825	475017.803	3746007.201	491.08		
L0007826	475017.644	3745998.702	491.11		

** End of LINE VOLUME Source ID = SLINE6
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC On-Site Travel Building D (West Side)
** PREFIX

C0

** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00006469
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 2
** 475163.781, 3746230.017, 485.24, 4.00, 3.95
** 475159.303, 3745990.660, 487.81, 4.00, 3.95

** -----

LOCATION	VOLUME	Source ID	Value 1	Value 2	Value 3
L0007827	475163.701	SLINE7	3746225.768	485.02	
L0007828	475163.542	SLINE7	3746217.269	485.14	
L0007829	475163.383	SLINE7	3746208.771	484.93	
L0007830	475163.224	SLINE7	3746200.272	484.72	
L0007831	475163.065	SLINE7	3746191.774	484.51	
L0007832	475162.906	SLINE7	3746183.275	484.64	
L0007833	475162.747	SLINE7	3746174.777	484.87	
L0007834	475162.588	SLINE7	3746166.278	485.09	
L0007835	475162.429	SLINE7	3746157.780	485.25	
L0007836	475162.270	SLINE7	3746149.281	485.26	
L0007837	475162.111	SLINE7	3746140.783	485.26	
L0007838	475161.953	SLINE7	3746132.284	485.27	
L0007839	475161.794	SLINE7	3746123.785	485.48	
L0007840	475161.635	SLINE7	3746115.287	485.77	
L0007841	475161.476	SLINE7	3746106.788	486.06	
L0007842	475161.317	SLINE7	3746098.290	486.29	
L0007843	475161.158	SLINE7	3746089.791	486.29	
L0007844	475160.999	SLINE7	3746081.293	486.30	
L0007845	475160.840	SLINE7	3746072.794	486.31	
L0007846	475160.681	SLINE7	3746064.296	486.50	
L0007847	475160.522	SLINE7	3746055.797	486.79	
L0007848	475160.363	SLINE7	3746047.299	487.08	
L0007849	475160.204	SLINE7	3746038.800	487.35	
L0007850	475160.045	SLINE7	3746030.302	487.55	
L0007851	475159.886	SLINE7	3746021.803	487.74	
L0007852	475159.727	SLINE7	3746013.305	487.93	
L0007853	475159.568	SLINE7	3746004.806	488.00	
L0007854	475159.409	SLINE7	3745996.308	488.00	

** End of LINE VOLUME Source ID = SLINE7
** -----

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC On-Site Travel Building D (East Side)
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 0.00006469
** Vertical Dimension = 4.00
** SZINIT = 1.86

CO

** Nodes = 2

** 475392.233, 3746223.791, 477.76, 4.00, 3.95

** 475387.755, 3745984.434, 478.87, 4.00, 3.95

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LOCATION L0007855      VOLUME  475392.153 3746219.541 477.59
LOCATION L0007856      VOLUME  475391.994 3746211.043 477.60
LOCATION L0007857      VOLUME  475391.835 3746202.544 477.61
LOCATION L0007858      VOLUME  475391.676 3746194.046 477.61
LOCATION L0007859      VOLUME  475391.517 3746185.547 477.56
LOCATION L0007860      VOLUME  475391.358 3746177.049 477.46
LOCATION L0007861      VOLUME  475391.200 3746168.550 477.36
LOCATION L0007862      VOLUME  475391.041 3746160.052 477.26
LOCATION L0007863      VOLUME  475390.882 3746151.553 477.27
LOCATION L0007864      VOLUME  475390.723 3746143.055 477.29
LOCATION L0007865      VOLUME  475390.564 3746134.556 477.30
LOCATION L0007866      VOLUME  475390.405 3746126.058 477.35
LOCATION L0007867      VOLUME  475390.246 3746117.559 477.46
LOCATION L0007868      VOLUME  475390.087 3746109.061 477.56
LOCATION L0007869      VOLUME  475389.928 3746100.562 477.66
LOCATION L0007870      VOLUME  475389.769 3746092.064 477.67
LOCATION L0007871      VOLUME  475389.610 3746083.565 477.68
LOCATION L0007872      VOLUME  475389.451 3746075.067 477.68
LOCATION L0007873      VOLUME  475389.292 3746066.568 477.69
LOCATION L0007874      VOLUME  475389.133 3746058.070 477.70
LOCATION L0007875      VOLUME  475388.974 3746049.571 477.70
LOCATION L0007876      VOLUME  475388.815 3746041.073 477.71
LOCATION L0007877      VOLUME  475388.656 3746032.574 477.96
LOCATION L0007878      VOLUME  475388.497 3746024.076 478.25
LOCATION L0007879      VOLUME  475388.338 3746015.577 478.54
LOCATION L0007880      VOLUME  475388.179 3746007.079 478.73
LOCATION L0007881      VOLUME  475388.020 3745998.580 478.73
LOCATION L0007882      VOLUME  475387.861 3745990.082 478.74

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** End of LINE VOLUME Source ID = SLINE8

LOCATION PAREA1 AREAPOLY 474745.374 3746237.975 502.460

** DESCRSRC Yard Tractors Building E (West Side)

LOCATION PAREA2 AREAPOLY 475006.383 3746235.194 490.450

** DESCRSRC Yard Tractors Building E (East Side)

LOCATION AREA1 AREA 475113.660 3745988.060 487.360

** DESCRSRC Yard Tractors Building E (West Side)

LOCATION AREA2 AREA 475380.860 3745968.940 478.610

** DESCRSRC Yard Tractors Building D (East Side)

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC On-Site Idling Building D - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

CO

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** Emission Rate = 0.00002768
** Vertical Dimension = 1.00
** SZINIT = 0.47
** Nodes = 36
** 475444.211, 3746318.914, 474.96, 0.00, 3.95
** 475433.973, 3746293.986, 475.37, 0.00, 3.95
** 475425.070, 3746286.864, 475.62, 0.00, 3.95
** 475436.644, 3746279.742, 476.22, 0.00, 3.95
** 475460.236, 3746295.767, 475.15, 0.00, 3.95
** 475459.346, 3746304.224, 475.20, 0.00, 3.95
** 475471.364, 3746303.779, 474.79, 0.00, 3.95
** 475477.596, 3746301.999, 474.73, 0.00, 3.95
** 475476.261, 3746287.309, 474.88, 0.00, 3.95
** 475476.261, 3746263.717, 475.17, 0.00, 3.95
** 475475.816, 3746250.362, 475.06, 0.00, 3.95
** 475460.681, 3746246.801, 476.21, 0.00, 3.95
** 475433.528, 3746244.576, 476.58, 0.00, 3.95
** 475420.618, 3746249.027, 476.83, 0.00, 3.95
** 475423.289, 3746265.052, 476.17, 0.00, 3.95
** 475428.186, 3746274.400, 476.21, 0.00, 3.95
** 475425.960, 3746283.303, 475.56, 0.00, 3.95
** 475421.954, 3746285.974, 475.77, 0.00, 3.95
** 475414.832, 3746296.657, 475.92, 0.00, 3.95
** 475405.484, 3746298.437, 476.44, 0.00, 3.95
** 475385.452, 3746298.883, 476.91, 0.00, 3.95
** 475362.750, 3746302.444, 477.77, 0.00, 3.95
** 475328.920, 3746306.895, 478.86, 0.00, 3.95
** 475307.553, 3746306.895, 479.71, 0.00, 3.95
** 475280.399, 3746306.895, 480.66, 0.00, 3.95
** 475248.795, 3746305.560, 481.67, 0.00, 3.95
** 475221.641, 3746304.224, 482.60, 0.00, 3.95
** 475207.842, 3746301.999, 482.87, 0.00, 3.95
** 475185.585, 3746306.005, 483.73, 0.00, 3.95
** 475166.889, 3746301.108, 484.54, 0.00, 3.95
** 475158.431, 3746300.218, 484.71, 0.00, 3.95
** 475137.510, 3746301.108, 485.76, 0.00, 3.95
** 475129.052, 3746299.773, 486.02, 0.00, 3.95
** 475125.936, 3746289.980, 486.05, 0.00, 3.95
** 475128.162, 3746270.394, 485.72, 0.00, 3.95
** 475127.717, 3746259.265, 485.56, 0.00, 3.95

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LOCATION L0007883      VOLUME  475442.596 3746314.983 474.91
LOCATION L0007884      VOLUME  475439.367 3746307.120 475.02
LOCATION L0007885      VOLUME  475436.138 3746299.257 475.13
LOCATION L0007886      VOLUME  475431.785 3746292.236 475.27
LOCATION L0007887      VOLUME  475425.148 3746286.926 475.50
LOCATION L0007888      VOLUME  475432.224 3746282.461 475.26
LOCATION L0007889      VOLUME  475439.382 3746281.602 475.02

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CO

LOCATION L0007890	VOLUME	475446.414	3746286.378	474.95
LOCATION L0007891	VOLUME	475453.445	3746291.154	474.83
LOCATION L0007892	VOLUME	475460.205	3746296.056	474.64
LOCATION L0007893	VOLUME	475459.632	3746304.214	474.47
LOCATION L0007894	VOLUME	475468.126	3746303.899	474.25
LOCATION L0007895	VOLUME	475476.421	3746302.334	474.20
LOCATION L0007896	VOLUME	475476.937	3746294.751	474.39
LOCATION L0007897	VOLUME	475476.261	3746286.281	474.63
LOCATION L0007898	VOLUME	475476.261	3746277.781	474.81
LOCATION L0007899	VOLUME	475476.261	3746269.281	474.87
LOCATION L0007900	VOLUME	475476.163	3746260.783	474.93
LOCATION L0007901	VOLUME	475475.880	3746252.288	474.99
LOCATION L0007902	VOLUME	475469.417	3746248.857	475.06
LOCATION L0007903	VOLUME	475461.143	3746246.910	475.37
LOCATION L0007904	VOLUME	475452.682	3746246.146	475.63
LOCATION L0007905	VOLUME	475444.211	3746245.451	475.88
LOCATION L0007906	VOLUME	475435.739	3746244.757	476.02
LOCATION L0007907	VOLUME	475427.590	3746246.623	476.05
LOCATION L0007908	VOLUME	475420.804	3746250.138	476.00
LOCATION L0007909	VOLUME	475422.201	3746258.522	475.88
LOCATION L0007910	VOLUME	475424.162	3746266.717	475.74
LOCATION L0007911	VOLUME	475428.106	3746274.247	475.51
LOCATION L0007912	VOLUME	475426.166	3746282.479	475.46
LOCATION L0007913	VOLUME	475420.381	3746288.333	475.65
LOCATION L0007914	VOLUME	475415.666	3746295.405	475.81
LOCATION L0007915	VOLUME	475407.959	3746297.966	476.07
LOCATION L0007916	VOLUME	475399.505	3746298.570	476.35
LOCATION L0007917	VOLUME	475391.008	3746298.759	476.63
LOCATION L0007918	VOLUME	475382.544	3746299.339	476.92
LOCATION L0007919	VOLUME	475374.147	3746300.656	477.20
LOCATION L0007920	VOLUME	475365.750	3746301.973	477.48
LOCATION L0007921	VOLUME	475357.333	3746303.157	477.76
LOCATION L0007922	VOLUME	475348.906	3746304.265	478.01
LOCATION L0007923	VOLUME	475340.478	3746305.374	478.05
LOCATION L0007924	VOLUME	475332.051	3746306.483	478.07
LOCATION L0007925	VOLUME	475323.578	3746306.895	478.09
LOCATION L0007926	VOLUME	475315.078	3746306.895	478.41
LOCATION L0007927	VOLUME	475306.578	3746306.895	478.95
LOCATION L0007928	VOLUME	475298.078	3746306.895	479.49
LOCATION L0007929	VOLUME	475289.578	3746306.895	480.01
LOCATION L0007930	VOLUME	475281.078	3746306.895	480.30
LOCATION L0007931	VOLUME	475272.585	3746306.565	480.58
LOCATION L0007932	VOLUME	475264.093	3746306.206	480.86
LOCATION L0007933	VOLUME	475255.600	3746305.847	481.15
LOCATION L0007934	VOLUME	475247.108	3746305.477	481.43
LOCATION L0007935	VOLUME	475238.619	3746305.059	481.71
LOCATION L0007936	VOLUME	475230.129	3746304.642	482.00
LOCATION L0007937	VOLUME	475221.639	3746304.224	482.28

CO

LOCATION L0007938	VOLUME	475213.248	3746302.870	482.56
LOCATION L0007939	VOLUME	475204.865	3746302.534	482.84
LOCATION L0007940	VOLUME	475196.500	3746304.040	483.12
LOCATION L0007941	VOLUME	475188.134	3746305.546	483.40
LOCATION L0007942	VOLUME	475179.868	3746304.508	483.67
LOCATION L0007943	VOLUME	475171.645	3746302.354	483.95
LOCATION L0007944	VOLUME	475163.325	3746300.733	484.38
LOCATION L0007945	VOLUME	475154.856	3746300.370	484.85
LOCATION L0007946	VOLUME	475146.363	3746300.732	485.33
LOCATION L0007947	VOLUME	475137.871	3746301.093	485.80
LOCATION L0007948	VOLUME	475129.471	3746299.839	486.13
LOCATION L0007949	VOLUME	475126.603	3746292.077	486.12
LOCATION L0007950	VOLUME	475126.647	3746283.721	485.96
LOCATION L0007951	VOLUME	475127.607	3746275.275	485.76
LOCATION L0007952	VOLUME	475128.018	3746266.810	485.62

** End of LINE VOLUME Source ID = SLINE9

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC On-Site Travel Building D - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00001646

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 36

** 475444.211,	3746318.914,	474.96,	0.00,	3.95
** 475433.973,	3746293.986,	475.37,	0.00,	3.95
** 475425.070,	3746286.864,	475.62,	0.00,	3.95
** 475436.644,	3746279.742,	476.22,	0.00,	3.95
** 475460.236,	3746295.767,	475.15,	0.00,	3.95
** 475459.346,	3746304.224,	475.20,	0.00,	3.95
** 475471.364,	3746303.779,	474.79,	0.00,	3.95
** 475477.596,	3746301.999,	474.73,	0.00,	3.95
** 475476.261,	3746287.309,	474.88,	0.00,	3.95
** 475476.261,	3746263.717,	475.17,	0.00,	3.95
** 475475.816,	3746250.362,	475.06,	0.00,	3.95
** 475460.681,	3746246.801,	476.21,	0.00,	3.95
** 475433.528,	3746244.576,	476.58,	0.00,	3.95
** 475420.618,	3746249.027,	476.83,	0.00,	3.95
** 475423.289,	3746265.052,	476.17,	0.00,	3.95
** 475428.186,	3746274.400,	476.21,	0.00,	3.95
** 475425.960,	3746283.303,	475.56,	0.00,	3.95
** 475421.954,	3746285.974,	475.77,	0.00,	3.95
** 475414.832,	3746296.657,	475.92,	0.00,	3.95
** 475405.484,	3746298.437,	476.44,	0.00,	3.95
** 475385.452,	3746298.883,	476.91,	0.00,	3.95

CO

** 475362.750, 3746302.444, 477.77, 0.00, 3.95
 ** 475328.920, 3746306.895, 478.86, 0.00, 3.95
 ** 475307.553, 3746306.895, 479.71, 0.00, 3.95
 ** 475280.399, 3746306.895, 480.66, 0.00, 3.95
 ** 475248.795, 3746305.560, 481.67, 0.00, 3.95
 ** 475221.641, 3746304.224, 482.60, 0.00, 3.95
 ** 475207.842, 3746301.999, 482.87, 0.00, 3.95
 ** 475185.585, 3746306.005, 483.73, 0.00, 3.95
 ** 475166.889, 3746301.108, 484.54, 0.00, 3.95
 ** 475158.431, 3746300.218, 484.71, 0.00, 3.95
 ** 475137.510, 3746301.108, 485.76, 0.00, 3.95
 ** 475129.052, 3746299.773, 486.02, 0.00, 3.95
 ** 475125.936, 3746289.980, 486.05, 0.00, 3.95
 ** 475128.162, 3746270.394, 485.72, 0.00, 3.95
 ** 475127.717, 3746259.265, 485.56, 0.00, 3.95

**

 LOCATION L0007953 VOLUME 475442.596 3746314.983 474.91
 LOCATION L0007954 VOLUME 475439.367 3746307.120 475.02
 LOCATION L0007955 VOLUME 475436.138 3746299.257 475.13
 LOCATION L0007956 VOLUME 475431.785 3746292.236 475.27
 LOCATION L0007957 VOLUME 475425.148 3746286.926 475.50
 LOCATION L0007958 VOLUME 475432.224 3746282.461 475.26
 LOCATION L0007959 VOLUME 475439.382 3746281.602 475.02
 LOCATION L0007960 VOLUME 475446.414 3746286.378 474.95
 LOCATION L0007961 VOLUME 475453.445 3746291.154 474.83
 LOCATION L0007962 VOLUME 475460.205 3746296.056 474.64
 LOCATION L0007963 VOLUME 475459.632 3746304.214 474.47
 LOCATION L0007964 VOLUME 475468.126 3746303.899 474.25
 LOCATION L0007965 VOLUME 475476.421 3746302.334 474.20
 LOCATION L0007966 VOLUME 475476.937 3746294.751 474.39
 LOCATION L0007967 VOLUME 475476.261 3746286.281 474.63
 LOCATION L0007968 VOLUME 475476.261 3746277.781 474.81
 LOCATION L0007969 VOLUME 475476.261 3746269.281 474.87
 LOCATION L0007970 VOLUME 475476.163 3746260.783 474.93
 LOCATION L0007971 VOLUME 475475.880 3746252.288 474.99
 LOCATION L0007972 VOLUME 475469.417 3746248.857 475.06
 LOCATION L0007973 VOLUME 475461.143 3746246.910 475.37
 LOCATION L0007974 VOLUME 475452.682 3746246.146 475.63
 LOCATION L0007975 VOLUME 475444.211 3746245.451 475.88
 LOCATION L0007976 VOLUME 475435.739 3746244.757 476.02
 LOCATION L0007977 VOLUME 475427.590 3746246.623 476.05
 LOCATION L0007978 VOLUME 475420.804 3746250.138 476.00
 LOCATION L0007979 VOLUME 475422.201 3746258.522 475.88
 LOCATION L0007980 VOLUME 475424.162 3746266.717 475.74
 LOCATION L0007981 VOLUME 475428.106 3746274.247 475.51
 LOCATION L0007982 VOLUME 475426.166 3746282.479 475.46
 LOCATION L0007983 VOLUME 475420.381 3746288.333 475.65
 LOCATION L0007984 VOLUME 475415.666 3746295.405 475.81

CO

LOCATION	VOLUME	Source ID	Value 1	Value 2	Value 3
L0007985	475407.959	SLINE10	3746297.966	476.07	
L0007986	475399.505	SLINE10	3746298.570	476.35	
L0007987	475391.008	SLINE10	3746298.759	476.63	
L0007988	475382.544	SLINE10	3746299.339	476.92	
L0007989	475374.147	SLINE10	3746300.656	477.20	
L0007990	475365.750	SLINE10	3746301.973	477.48	
L0007991	475357.333	SLINE10	3746303.157	477.76	
L0007992	475348.906	SLINE10	3746304.265	478.01	
L0007993	475340.478	SLINE10	3746305.374	478.05	
L0007994	475332.051	SLINE10	3746306.483	478.07	
L0007995	475323.578	SLINE10	3746306.895	478.09	
L0007996	475315.078	SLINE10	3746306.895	478.41	
L0007997	475306.578	SLINE10	3746306.895	478.95	
L0007998	475298.078	SLINE10	3746306.895	479.49	
L0007999	475289.578	SLINE10	3746306.895	480.01	
L0008000	475281.078	SLINE10	3746306.895	480.30	
L0008001	475272.585	SLINE10	3746306.565	480.58	
L0008002	475264.093	SLINE10	3746306.206	480.86	
L0008003	475255.600	SLINE10	3746305.847	481.15	
L0008004	475247.108	SLINE10	3746305.477	481.43	
L0008005	475238.619	SLINE10	3746305.059	481.71	
L0008006	475230.129	SLINE10	3746304.642	482.00	
L0008007	475221.639	SLINE10	3746304.224	482.28	
L0008008	475213.248	SLINE10	3746302.870	482.56	
L0008009	475204.865	SLINE10	3746302.534	482.84	
L0008010	475196.500	SLINE10	3746304.040	483.12	
L0008011	475188.134	SLINE10	3746305.546	483.40	
L0008012	475179.868	SLINE10	3746304.508	483.67	
L0008013	475171.645	SLINE10	3746302.354	483.95	
L0008014	475163.325	SLINE10	3746300.733	484.38	
L0008015	475154.856	SLINE10	3746300.370	484.85	
L0008016	475146.363	SLINE10	3746300.732	485.33	
L0008017	475137.871	SLINE10	3746301.093	485.80	
L0008018	475129.471	SLINE10	3746299.839	486.13	
L0008019	475126.603	SLINE10	3746292.077	486.12	
L0008020	475126.647	SLINE10	3746283.721	485.96	
L0008021	475127.607	SLINE10	3746275.275	485.76	
L0008022	475128.018	SLINE10	3746266.810	485.62	

** End of LINE VOLUME Source ID = SLINE10

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE11

** DESCRSRC On-Site Idling Building E - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00002188

** Vertical Dimension = 1.00

CO

** SZINIT = 0.47
 ** Nodes = 7
 ** 475033.115, 3746319.529, 489.72, 0.00, 0.00
 ** 475031.535, 3746319.924, 489.78, 0.00, 3.95
 ** 475032.522, 3746303.925, 489.78, 0.00, 3.95
 ** 474752.241, 3746305.703, 501.70, 0.00, 3.95
 ** 474752.438, 3746256.520, 502.01, 0.00, 3.95
 ** 474788.585, 3746247.829, 499.73, 0.00, 3.95
 ** 474798.263, 3746289.704, 498.67, 0.00, 3.95

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LOCATION L0008023	VOLUME	475031.696	3746317.308	489.61
LOCATION L0008024	VOLUME	475032.220	3746308.824	489.59
LOCATION L0008025	VOLUME	475028.931	3746303.948	489.70
LOCATION L0008026	VOLUME	475020.431	3746304.002	489.99
LOCATION L0008027	VOLUME	475011.931	3746304.056	490.27
LOCATION L0008028	VOLUME	475003.431	3746304.110	490.55
LOCATION L0008029	VOLUME	474994.932	3746304.164	490.84
LOCATION L0008030	VOLUME	474986.432	3746304.218	491.12
LOCATION L0008031	VOLUME	474977.932	3746304.271	491.40
LOCATION L0008032	VOLUME	474969.432	3746304.325	491.69
LOCATION L0008033	VOLUME	474960.932	3746304.379	491.97
LOCATION L0008034	VOLUME	474952.432	3746304.433	492.46
LOCATION L0008035	VOLUME	474943.933	3746304.487	492.97
LOCATION L0008036	VOLUME	474935.433	3746304.541	493.49
LOCATION L0008037	VOLUME	474926.933	3746304.595	493.82
LOCATION L0008038	VOLUME	474918.433	3746304.649	493.82
LOCATION L0008039	VOLUME	474909.933	3746304.703	493.82
LOCATION L0008040	VOLUME	474901.433	3746304.757	493.83
LOCATION L0008041	VOLUME	474892.934	3746304.811	494.06
LOCATION L0008042	VOLUME	474884.434	3746304.864	494.35
LOCATION L0008043	VOLUME	474875.934	3746304.918	494.63
LOCATION L0008044	VOLUME	474867.434	3746304.972	495.00
LOCATION L0008045	VOLUME	474858.934	3746305.026	495.57
LOCATION L0008046	VOLUME	474850.434	3746305.080	496.14
LOCATION L0008047	VOLUME	474841.935	3746305.134	496.71
LOCATION L0008048	VOLUME	474833.435	3746305.188	497.09
LOCATION L0008049	VOLUME	474824.935	3746305.242	497.42
LOCATION L0008050	VOLUME	474816.435	3746305.296	497.75
LOCATION L0008051	VOLUME	474807.935	3746305.350	498.07
LOCATION L0008052	VOLUME	474799.435	3746305.404	498.35
LOCATION L0008053	VOLUME	474790.936	3746305.457	498.64
LOCATION L0008054	VOLUME	474782.436	3746305.511	498.92
LOCATION L0008055	VOLUME	474773.936	3746305.565	499.61
LOCATION L0008056	VOLUME	474765.436	3746305.619	500.46
LOCATION L0008057	VOLUME	474756.936	3746305.673	501.31
LOCATION L0008058	VOLUME	474752.256	3746301.899	501.77
LOCATION L0008059	VOLUME	474752.290	3746293.399	501.77
LOCATION L0008060	VOLUME	474752.324	3746284.899	501.77

CO

LOCATION L0008061	VOLUME	474752.358	3746276.399	501.77
LOCATION L0008062	VOLUME	474752.393	3746267.899	501.79
LOCATION L0008063	VOLUME	474752.427	3746259.399	501.81
LOCATION L0008064	VOLUME	474757.904	3746255.206	501.43
LOCATION L0008065	VOLUME	474766.168	3746253.219	500.86
LOCATION L0008066	VOLUME	474774.433	3746251.232	500.34
LOCATION L0008067	VOLUME	474782.697	3746249.245	499.82
LOCATION L0008068	VOLUME	474789.135	3746250.211	499.39
LOCATION L0008069	VOLUME	474791.049	3746258.493	499.08
LOCATION L0008070	VOLUME	474792.963	3746266.775	498.82
LOCATION L0008071	VOLUME	474794.878	3746275.056	498.59
LOCATION L0008072	VOLUME	474796.792	3746283.338	498.44

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC On-Site Travel Building E - Passenger Cars

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 9.296E-06

** Vertical Dimension = 1.00

** SZINIT = 0.47

** Nodes = 7

** 475033.115, 3746319.529, 489.72, 0.00, 0.00

** 475031.535, 3746319.924, 489.78, 0.00, 3.95

** 475032.522, 3746303.925, 489.78, 0.00, 3.95

** 474752.241, 3746305.703, 501.70, 0.00, 3.95

** 474752.438, 3746256.520, 502.01, 0.00, 3.95

** 474788.585, 3746247.829, 499.73, 0.00, 3.95

** 474798.263, 3746289.704, 498.67, 0.00, 3.95

**

LOCATION L0008073	VOLUME	475031.696	3746317.308	489.61
LOCATION L0008074	VOLUME	475032.220	3746308.824	489.59
LOCATION L0008075	VOLUME	475028.931	3746303.948	489.70
LOCATION L0008076	VOLUME	475020.431	3746304.002	489.99
LOCATION L0008077	VOLUME	475011.931	3746304.056	490.27
LOCATION L0008078	VOLUME	475003.431	3746304.110	490.55
LOCATION L0008079	VOLUME	474994.932	3746304.164	490.84
LOCATION L0008080	VOLUME	474986.432	3746304.218	491.12
LOCATION L0008081	VOLUME	474977.932	3746304.271	491.40
LOCATION L0008082	VOLUME	474969.432	3746304.325	491.69
LOCATION L0008083	VOLUME	474960.932	3746304.379	491.97
LOCATION L0008084	VOLUME	474952.432	3746304.433	492.46
LOCATION L0008085	VOLUME	474943.933	3746304.487	492.97
LOCATION L0008086	VOLUME	474935.433	3746304.541	493.49
LOCATION L0008087	VOLUME	474926.933	3746304.595	493.82
LOCATION L0008088	VOLUME	474918.433	3746304.649	493.82

CO

LOCATION	VOLUME			
LOCATION L0008089	VOLUME	474909.933	3746304.703	493.82
LOCATION L0008090	VOLUME	474901.433	3746304.757	493.83
LOCATION L0008091	VOLUME	474892.934	3746304.811	494.06
LOCATION L0008092	VOLUME	474884.434	3746304.864	494.35
LOCATION L0008093	VOLUME	474875.934	3746304.918	494.63
LOCATION L0008094	VOLUME	474867.434	3746304.972	495.00
LOCATION L0008095	VOLUME	474858.934	3746305.026	495.57
LOCATION L0008096	VOLUME	474850.434	3746305.080	496.14
LOCATION L0008097	VOLUME	474841.935	3746305.134	496.71
LOCATION L0008098	VOLUME	474833.435	3746305.188	497.09
LOCATION L0008099	VOLUME	474824.935	3746305.242	497.42
LOCATION L0008100	VOLUME	474816.435	3746305.296	497.75
LOCATION L0008101	VOLUME	474807.935	3746305.350	498.07
LOCATION L0008102	VOLUME	474799.435	3746305.404	498.35
LOCATION L0008103	VOLUME	474790.936	3746305.457	498.64
LOCATION L0008104	VOLUME	474782.436	3746305.511	498.92
LOCATION L0008105	VOLUME	474773.936	3746305.565	499.61
LOCATION L0008106	VOLUME	474765.436	3746305.619	500.46
LOCATION L0008107	VOLUME	474756.936	3746305.673	501.31
LOCATION L0008108	VOLUME	474752.256	3746301.899	501.77
LOCATION L0008109	VOLUME	474752.290	3746293.399	501.77
LOCATION L0008110	VOLUME	474752.324	3746284.899	501.77
LOCATION L0008111	VOLUME	474752.358	3746276.399	501.77
LOCATION L0008112	VOLUME	474752.393	3746267.899	501.79
LOCATION L0008113	VOLUME	474752.427	3746259.399	501.81
LOCATION L0008114	VOLUME	474757.904	3746255.206	501.43
LOCATION L0008115	VOLUME	474766.168	3746253.219	500.86
LOCATION L0008116	VOLUME	474774.433	3746251.232	500.34
LOCATION L0008117	VOLUME	474782.697	3746249.245	499.82
LOCATION L0008118	VOLUME	474789.135	3746250.211	499.39
LOCATION L0008119	VOLUME	474791.049	3746258.493	499.08
LOCATION L0008120	VOLUME	474792.963	3746266.775	498.82
LOCATION L0008121	VOLUME	474794.878	3746275.056	498.59
LOCATION L0008122	VOLUME	474796.792	3746283.338	498.44

** End of LINE VOLUME Source ID = SLINE12

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0007659	0.000001974	4.00	3.95	1.86
SRCPARAM L0007660	0.000001974	4.00	3.95	1.86
SRCPARAM L0007661	0.000001974	4.00	3.95	1.86
SRCPARAM L0007662	0.000001974	4.00	3.95	1.86
SRCPARAM L0007663	0.000001974	4.00	3.95	1.86
SRCPARAM L0007664	0.000001974	4.00	3.95	1.86
SRCPARAM L0007665	0.000001974	4.00	3.95	1.86
SRCPARAM L0007666	0.000001974	4.00	3.95	1.86
SRCPARAM L0007667	0.000001974	4.00	3.95	1.86
SRCPARAM L0007668	0.000001974	4.00	3.95	1.86
SRCPARAM L0007669	0.000001974	4.00	3.95	1.86

CO

SRCPARAM	L0007670	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007671	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007672	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007673	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007674	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007675	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007676	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007677	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007678	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007679	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007680	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007681	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007682	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007683	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007684	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007685	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007686	0.000001974	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0007687	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007688	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007689	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007690	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007691	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007692	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007693	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007694	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007695	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007696	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007697	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007698	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007699	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007700	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007701	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007702	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007703	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007704	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007705	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007706	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007707	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007708	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007709	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007710	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007711	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007712	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007713	0.000001974	4.00	3.95	1.86
SRCPARAM	L0007714	0.000001974	4.00	3.95	1.86

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CO

** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0007715	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007716	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007717	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007718	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007719	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007720	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007721	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007722	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007723	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007724	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007725	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007726	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007727	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007728	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007729	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007730	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007731	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007732	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007733	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007734	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007735	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007736	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007737	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007738	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007739	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007740	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007741	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007742	0.000002495	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0007743	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007744	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007745	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007746	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007747	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007748	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007749	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007750	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007751	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007752	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007753	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007754	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007755	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007756	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007757	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007758	0.000002495	4.00	3.95	1.86
SRCPARAM	L0007759	0.000002495	4.00	3.95	1.86

CO

SRCPARAM L0007760	0.000002495	4.00	3.95	1.86
SRCPARAM L0007761	0.000002495	4.00	3.95	1.86
SRCPARAM L0007762	0.000002495	4.00	3.95	1.86
SRCPARAM L0007763	0.000002495	4.00	3.95	1.86
SRCPARAM L0007764	0.000002495	4.00	3.95	1.86
SRCPARAM L0007765	0.000002495	4.00	3.95	1.86
SRCPARAM L0007766	0.000002495	4.00	3.95	1.86
SRCPARAM L0007767	0.000002495	4.00	3.95	1.86
SRCPARAM L0007768	0.000002495	4.00	3.95	1.86
SRCPARAM L0007769	0.000002495	4.00	3.95	1.86
SRCPARAM L0007770	0.000002495	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM L0007771	0.000001828	4.00	3.95	1.86
SRCPARAM L0007772	0.000001828	4.00	3.95	1.86
SRCPARAM L0007773	0.000001828	4.00	3.95	1.86
SRCPARAM L0007774	0.000001828	4.00	3.95	1.86
SRCPARAM L0007775	0.000001828	4.00	3.95	1.86
SRCPARAM L0007776	0.000001828	4.00	3.95	1.86
SRCPARAM L0007777	0.000001828	4.00	3.95	1.86
SRCPARAM L0007778	0.000001828	4.00	3.95	1.86
SRCPARAM L0007779	0.000001828	4.00	3.95	1.86
SRCPARAM L0007780	0.000001828	4.00	3.95	1.86
SRCPARAM L0007781	0.000001828	4.00	3.95	1.86
SRCPARAM L0007782	0.000001828	4.00	3.95	1.86
SRCPARAM L0007783	0.000001828	4.00	3.95	1.86
SRCPARAM L0007784	0.000001828	4.00	3.95	1.86
SRCPARAM L0007785	0.000001828	4.00	3.95	1.86
SRCPARAM L0007786	0.000001828	4.00	3.95	1.86
SRCPARAM L0007787	0.000001828	4.00	3.95	1.86
SRCPARAM L0007788	0.000001828	4.00	3.95	1.86
SRCPARAM L0007789	0.000001828	4.00	3.95	1.86
SRCPARAM L0007790	0.000001828	4.00	3.95	1.86
SRCPARAM L0007791	0.000001828	4.00	3.95	1.86
SRCPARAM L0007792	0.000001828	4.00	3.95	1.86
SRCPARAM L0007793	0.000001828	4.00	3.95	1.86
SRCPARAM L0007794	0.000001828	4.00	3.95	1.86
SRCPARAM L0007795	0.000001828	4.00	3.95	1.86
SRCPARAM L0007796	0.000001828	4.00	3.95	1.86
SRCPARAM L0007797	0.000001828	4.00	3.95	1.86
SRCPARAM L0007798	0.000001828	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM L0007799	0.000001828	4.00	3.95	1.86
SRCPARAM L0007800	0.000001828	4.00	3.95	1.86
SRCPARAM L0007801	0.000001828	4.00	3.95	1.86
SRCPARAM L0007802	0.000001828	4.00	3.95	1.86
SRCPARAM L0007803	0.000001828	4.00	3.95	1.86

CO

SRCPARAM	L0007804	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007805	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007806	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007807	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007808	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007809	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007810	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007811	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007812	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007813	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007814	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007815	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007816	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007817	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007818	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007819	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007820	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007821	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007822	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007823	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007824	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007825	0.000001828	4.00	3.95	1.86
SRCPARAM	L0007826	0.000001828	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0007827	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007828	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007829	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007830	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007831	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007832	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007833	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007834	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007835	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007836	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007837	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007838	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007839	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007840	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007841	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007842	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007843	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007844	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007845	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007846	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007847	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007848	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007849	0.00000231	4.00	3.95	1.86

			CO		
SRCPARAM	L0007850	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007851	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007852	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007853	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007854	0.00000231	4.00	3.95	1.86

**

** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0007855	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007856	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007857	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007858	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007859	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007860	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007861	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007862	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007863	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007864	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007865	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007866	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007867	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007868	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007869	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007870	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007871	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007872	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007873	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007874	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007875	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007876	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007877	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007878	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007879	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007880	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007881	0.00000231	4.00	3.95	1.86
SRCPARAM	L0007882	0.00000231	4.00	3.95	1.86

**

SRCPARAM	PAREA1	5.0603E-08	3.900	9	1.800
AREAVERT	PAREA1	474745.374	3746237.975	474837.822	3746236.237
AREAVERT	PAREA1	474833.651	3745984.959	474785.342	3745986.349
AREAVERT	PAREA1	474780.129	3745991.910	474780.824	3746073.931
AREAVERT	PAREA1	474755.105	3746094.437	474744.679	3746095.479
AREAVERT	PAREA1	474745.374	3746239.365		
SRCPARAM	PAREA2	7.2843E-08	3.900	9	1.800
AREAVERT	PAREA2	475006.383	3746235.194	475043.571	3746234.499
AREAVERT	PAREA2	475043.571	3746216.079	475062.686	3746215.036
AREAVERT	PAREA2	475060.254	3745995.385	475044.961	3745996.080
AREAVERT	PAREA2	475043.571	3745988.434	475007.426	3745989.824
AREAVERT	PAREA2	475004.298	3745990.867		

			CO			
SRCPARAM AREA1	6.4259E-08	3.900	59.076	255.832	0.337	
1.800						
SRCPARAM AREA2	4.7949E-08	3.900	75.775	267.300	0.263	
1.800						

** LINE VOLUME Source ID = SLINE9

SRCPARAM L0007883	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007884	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007885	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007886	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007887	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007888	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007889	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007890	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007891	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007892	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007893	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007894	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007895	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007896	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007897	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007898	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007899	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007900	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007901	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007902	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007903	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007904	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007905	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007906	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007907	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007908	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007909	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007910	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007911	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007912	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007913	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007914	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007915	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007916	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007917	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007918	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007919	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007920	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007921	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007922	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007923	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007924	0.0000003954	0.00	3.95	0.47
SRCPARAM L0007925	0.0000003954	0.00	3.95	0.47

CO

SRCPARAM	L0007926	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007927	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007928	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007929	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007930	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007931	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007932	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007933	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007934	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007935	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007936	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007937	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007938	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007939	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007940	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007941	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007942	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007943	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007944	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007945	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007946	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007947	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007948	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007949	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007950	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007951	0.0000003954	0.00	3.95	0.47
SRCPARAM	L0007952	0.0000003954	0.00	3.95	0.47

**

** LINE VOLUME Source ID = SLINE10

SRCPARAM	L0007953	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007954	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007955	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007956	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007957	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007958	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007959	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007960	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007961	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007962	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007963	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007964	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007965	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007966	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007967	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007968	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007969	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007970	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0007971	0.0000002351	0.00	3.95	0.47

			CO		
SRCPARAM	L0008020	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0008021	0.0000002351	0.00	3.95	0.47
SRCPARAM	L0008022	0.0000002351	0.00	3.95	0.47

**

** LINE VOLUME Source ID = SLINE11

SRCPARAM	L0008023	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008024	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008025	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008026	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008027	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008028	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008029	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008030	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008031	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008032	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008033	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008034	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008035	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008036	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008037	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008038	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008039	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008040	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008041	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008042	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008043	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008044	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008045	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008046	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008047	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008048	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008049	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008050	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008051	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008052	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008053	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008054	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008055	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008056	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008057	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008058	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008059	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008060	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008061	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008062	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008063	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008064	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008065	0.0000004376	0.00	3.95	0.47

CO

SRCPARAM	L0008066	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008067	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008068	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008069	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008070	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008071	0.0000004376	0.00	3.95	0.47
SRCPARAM	L0008072	0.0000004376	0.00	3.95	0.47

**

** LINE VOLUME Source ID = SLINE12

SRCPARAM	L0008073	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008074	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008075	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008076	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008077	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008078	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008079	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008080	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008081	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008082	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008083	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008084	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008085	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008086	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008087	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008088	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008089	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008090	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008091	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008092	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008093	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008094	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008095	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008096	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008097	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008098	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008099	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008100	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008101	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008102	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008103	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008104	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008105	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008106	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008107	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008108	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008109	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008110	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008111	0.0000001859	0.00	3.95	0.47

			CO		
SRCPARAM	L0008112	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008113	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008114	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008115	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008116	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008117	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008118	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008119	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008120	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008121	0.0000001859	0.00	3.95	0.47
SRCPARAM	L0008122	0.0000001859	0.00	3.95	0.47

** -----
 URBANSRC ALL
 SRCGROUP ALL

SO FINISHED
 **

 ** AERMOD Receptor Pathway

 **
 **

RE STARTING
 INCLUDED PM25.rou
 RE FINISHED
 **

 ** AERMOD Meteorology Pathway

 **
 **

ME STARTING
 SURFFILE "..\..\SRA24_Met Data\peri8.sfc"
 PROFFILE "..\..\SRA24_Met Data\peri8.PFL"
 SURFDATA 3190 2007
 UAIRDATA 3190 2007
 SITEDATA 99999 2007
 PROFBASE 442.0 METERS

ME FINISHED
 **

 ** AERMOD Output Pathway

 **
 **

OU STARTING
 RECTABLE ALLAVE 1ST
 RECTABLE 24 1ST

** Auto-Generated Plotfiles

CO
PLOTFILE 24 ALL 1ST PM25.AD\24H1GALL.PLT 31
SUMMFILE PM25.sum
OU FINISHED

*** Message Summary For AERMOD Model Setup ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 0 Informational Message(s)

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

***** WARNING MESSAGES *****
ME W531 1294 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\PM25\PM25.isc *** 01/29/16
*** AERMET - VERSION 14134 *** ***
 *** 09:57:56

 PAGE 1
**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 468 Source(s),

CO

for Total of 1 Urban Area(s):

Urban Population = 2100516.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 468 Source(s); 1 Source Group(s); and 64 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 464 VOLUME source(s)
and: 4 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**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)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing

Hours

b for Both Calm

and Missing Hours

CO

Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0 Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07 Output Units = MICROGRAMS/M3

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

**Detailed Error/Message File: PM25.err

**File for Summary of Results: PM25.sum

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP Operational LST\PM25\PM25.isc *** 01/29/16 *** AERMET - VERSION 14134 *** *** 09:57:56

**MODELOPTs: RegDEFAULT CONC PAGE 2 ELEV URBAN

*** VOLUME SOURCE DATA ***

Table with columns: INIT., URBAN, SOURCE, NUMBER EMISSION RATE, PART. (GRAMS/SEC), X, Y, BASE ELEV., RELEASE HEIGHT, INIT. SY. Rows include source IDs like L0007659 through L0007666 with associated emission rates and coordinates.

CO

1.86	YES							
L0007667		0	0.19740E-05	474823.5	3746164.3	499.3	4.00	3.95
1.86	YES							
L0007668		0	0.19740E-05	474823.3	3746155.8	499.4	4.00	3.95
1.86	YES							
L0007669		0	0.19740E-05	474823.2	3746147.3	499.2	4.00	3.95
1.86	YES							
L0007670		0	0.19740E-05	474823.0	3746138.8	498.9	4.00	3.95
1.86	YES							
L0007671		0	0.19740E-05	474822.9	3746130.3	498.7	4.00	3.95
1.86	YES							
L0007672		0	0.19740E-05	474822.7	3746121.8	498.6	4.00	3.95
1.86	YES							
L0007673		0	0.19740E-05	474822.5	3746113.3	498.4	4.00	3.95
1.86	YES							
L0007674		0	0.19740E-05	474822.4	3746104.8	498.3	4.00	3.95
1.86	YES							
L0007675		0	0.19740E-05	474822.2	3746096.3	498.2	4.00	3.95
1.86	YES							
L0007676		0	0.19740E-05	474822.1	3746087.8	498.2	4.00	3.95
1.86	YES							
L0007677		0	0.19740E-05	474821.9	3746079.3	498.2	4.00	3.95
1.86	YES							
L0007678		0	0.19740E-05	474821.8	3746070.8	498.2	4.00	3.95
1.86	YES							
L0007679		0	0.19740E-05	474821.6	3746062.3	498.5	4.00	3.95
1.86	YES							
L0007680		0	0.19740E-05	474821.4	3746053.8	498.8	4.00	3.95
1.86	YES							
L0007681		0	0.19740E-05	474821.3	3746045.3	499.1	4.00	3.95
1.86	YES							
L0007682		0	0.19740E-05	474821.1	3746036.8	499.3	4.00	3.95
1.86	YES							
L0007683		0	0.19740E-05	474821.0	3746028.3	499.3	4.00	3.95
1.86	YES							
L0007684		0	0.19740E-05	474820.8	3746019.8	499.3	4.00	3.95
1.86	YES							
L0007685		0	0.19740E-05	474820.6	3746011.3	499.3	4.00	3.95
1.86	YES							
L0007686		0	0.19740E-05	474820.5	3746002.8	499.4	4.00	3.95
1.86	YES							
L0007687		0	0.19740E-05	475021.9	3746228.2	489.9	4.00	3.95
1.86	YES							
L0007688		0	0.19740E-05	475021.8	3746219.7	489.9	4.00	3.95
1.86	YES							
L0007689		0	0.19740E-05	475021.6	3746211.2	489.6	4.00	3.95
1.86	YES							
L0007690		0	0.19740E-05	475021.5	3746202.7	489.4	4.00	3.95

CO

1.86	YES							
L0007691		0	0.19740E-05	475021.3	3746194.2	489.1	4.00	3.95
1.86	YES							
L0007692		0	0.19740E-05	475021.1	3746185.7	489.1	4.00	3.95
1.86	YES							
L0007693		0	0.19740E-05	475021.0	3746177.2	489.4	4.00	3.95
1.86	YES							
L0007694		0	0.19740E-05	475020.8	3746168.7	489.7	4.00	3.95
1.86	YES							
L0007695		0	0.19740E-05	475020.7	3746160.2	490.0	4.00	3.95
1.86	YES							
L0007696		0	0.19740E-05	475020.5	3746151.7	489.7	4.00	3.95
1.86	YES							
L0007697		0	0.19740E-05	475020.3	3746143.2	489.4	4.00	3.95
1.86	YES							
L0007698		0	0.19740E-05	475020.2	3746134.7	489.2	4.00	3.95

1.86 YES
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 ELEV URBAN

**MODELOPTs: RegDFAULT CONC

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						

L0007699		0	0.19740E-05	475020.0	3746126.2	489.1	4.00	3.95
1.86	YES							
L0007700		0	0.19740E-05	475019.9	3746117.7	489.4	4.00	3.95
1.86	YES							
L0007701		0	0.19740E-05	475019.7	3746109.2	489.7	4.00	3.95
1.86	YES							
L0007702		0	0.19740E-05	475019.6	3746100.7	490.0	4.00	3.95
1.86	YES							
L0007703		0	0.19740E-05	475019.4	3746092.2	490.0	4.00	3.95
1.86	YES							
L0007704		0	0.19740E-05	475019.2	3746083.7	490.0	4.00	3.95

CO

1.86	YES							
L0007705		0	0.19740E-05	475019.1	3746075.2	490.0	4.00	3.95
1.86	YES							
L0007706		0	0.19740E-05	475018.9	3746066.7	490.0	4.00	3.95
1.86	YES							
L0007707		0	0.19740E-05	475018.8	3746058.2	490.1	4.00	3.95
1.86	YES							
L0007708		0	0.19740E-05	475018.6	3746049.7	490.1	4.00	3.95
1.86	YES							
L0007709		0	0.19740E-05	475018.4	3746041.2	490.1	4.00	3.95
1.86	YES							
L0007710		0	0.19740E-05	475018.3	3746032.7	490.3	4.00	3.95
1.86	YES							
L0007711		0	0.19740E-05	475018.1	3746024.2	490.6	4.00	3.95
1.86	YES							
L0007712		0	0.19740E-05	475018.0	3746015.7	490.9	4.00	3.95
1.86	YES							
L0007713		0	0.19740E-05	475017.8	3746007.2	491.1	4.00	3.95
1.86	YES							
L0007714		0	0.19740E-05	475017.6	3745998.7	491.1	4.00	3.95
1.86	YES							
L0007715		0	0.24950E-05	475163.7	3746225.8	485.0	4.00	3.95
1.86	YES							
L0007716		0	0.24950E-05	475163.5	3746217.3	485.1	4.00	3.95
1.86	YES							
L0007717		0	0.24950E-05	475163.4	3746208.8	484.9	4.00	3.95
1.86	YES							
L0007718		0	0.24950E-05	475163.2	3746200.3	484.7	4.00	3.95
1.86	YES							
L0007719		0	0.24950E-05	475163.1	3746191.8	484.5	4.00	3.95
1.86	YES							
L0007720		0	0.24950E-05	475162.9	3746183.3	484.6	4.00	3.95
1.86	YES							
L0007721		0	0.24950E-05	475162.7	3746174.8	484.9	4.00	3.95
1.86	YES							
L0007722		0	0.24950E-05	475162.6	3746166.3	485.1	4.00	3.95
1.86	YES							
L0007723		0	0.24950E-05	475162.4	3746157.8	485.2	4.00	3.95
1.86	YES							
L0007724		0	0.24950E-05	475162.3	3746149.3	485.3	4.00	3.95
1.86	YES							
L0007725		0	0.24950E-05	475162.1	3746140.8	485.3	4.00	3.95
1.86	YES							
L0007726		0	0.24950E-05	475162.0	3746132.3	485.3	4.00	3.95
1.86	YES							
L0007727		0	0.24950E-05	475161.8	3746123.8	485.5	4.00	3.95
1.86	YES							
L0007728		0	0.24950E-05	475161.6	3746115.3	485.8	4.00	3.95

CO

1.86	YES							
L0007729		0	0.24950E-05	475161.5	3746106.8	486.1	4.00	3.95
1.86	YES							
L0007730		0	0.24950E-05	475161.3	3746098.3	486.3	4.00	3.95
1.86	YES							
L0007731		0	0.24950E-05	475161.2	3746089.8	486.3	4.00	3.95
1.86	YES							
L0007732		0	0.24950E-05	475161.0	3746081.3	486.3	4.00	3.95
1.86	YES							
L0007733		0	0.24950E-05	475160.8	3746072.8	486.3	4.00	3.95
1.86	YES							
L0007734		0	0.24950E-05	475160.7	3746064.3	486.5	4.00	3.95
1.86	YES							
L0007735		0	0.24950E-05	475160.5	3746055.8	486.8	4.00	3.95
1.86	YES							
L0007736		0	0.24950E-05	475160.4	3746047.3	487.1	4.00	3.95
1.86	YES							
L0007737		0	0.24950E-05	475160.2	3746038.8	487.4	4.00	3.95
1.86	YES							
L0007738		0	0.24950E-05	475160.0	3746030.3	487.6	4.00	3.95

1.86 YES
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**MODELOPTs: RegDFault CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0007739		0	0.24950E-05	475159.9	3746021.8	487.7	4.00	3.95
1.86	YES							
L0007740		0	0.24950E-05	475159.7	3746013.3	487.9	4.00	3.95
1.86	YES							
L0007741		0	0.24950E-05	475159.6	3746004.8	488.0	4.00	3.95
1.86	YES							
L0007742		0	0.24950E-05	475159.4	3745996.3	488.0	4.00	3.95

CO

1.86	YES							
L0007743		0	0.24950E-05	475392.2	3746219.5	477.6	4.00	3.95
1.86	YES							
L0007744		0	0.24950E-05	475392.0	3746211.0	477.6	4.00	3.95
1.86	YES							
L0007745		0	0.24950E-05	475391.8	3746202.5	477.6	4.00	3.95
1.86	YES							
L0007746		0	0.24950E-05	475391.7	3746194.0	477.6	4.00	3.95
1.86	YES							
L0007747		0	0.24950E-05	475391.5	3746185.5	477.6	4.00	3.95
1.86	YES							
L0007748		0	0.24950E-05	475391.4	3746177.0	477.5	4.00	3.95
1.86	YES							
L0007749		0	0.24950E-05	475391.2	3746168.5	477.4	4.00	3.95
1.86	YES							
L0007750		0	0.24950E-05	475391.0	3746160.1	477.3	4.00	3.95
1.86	YES							
L0007751		0	0.24950E-05	475390.9	3746151.6	477.3	4.00	3.95
1.86	YES							
L0007752		0	0.24950E-05	475390.7	3746143.1	477.3	4.00	3.95
1.86	YES							
L0007753		0	0.24950E-05	475390.6	3746134.6	477.3	4.00	3.95
1.86	YES							
L0007754		0	0.24950E-05	475390.4	3746126.1	477.4	4.00	3.95
1.86	YES							
L0007755		0	0.24950E-05	475390.2	3746117.6	477.5	4.00	3.95
1.86	YES							
L0007756		0	0.24950E-05	475390.1	3746109.1	477.6	4.00	3.95
1.86	YES							
L0007757		0	0.24950E-05	475389.9	3746100.6	477.7	4.00	3.95
1.86	YES							
L0007758		0	0.24950E-05	475389.8	3746092.1	477.7	4.00	3.95
1.86	YES							
L0007759		0	0.24950E-05	475389.6	3746083.6	477.7	4.00	3.95
1.86	YES							
L0007760		0	0.24950E-05	475389.5	3746075.1	477.7	4.00	3.95
1.86	YES							
L0007761		0	0.24950E-05	475389.3	3746066.6	477.7	4.00	3.95
1.86	YES							
L0007762		0	0.24950E-05	475389.1	3746058.1	477.7	4.00	3.95
1.86	YES							
L0007763		0	0.24950E-05	475389.0	3746049.6	477.7	4.00	3.95
1.86	YES							
L0007764		0	0.24950E-05	475388.8	3746041.1	477.7	4.00	3.95
1.86	YES							
L0007765		0	0.24950E-05	475388.7	3746032.6	478.0	4.00	3.95
1.86	YES							
L0007766		0	0.24950E-05	475388.5	3746024.1	478.2	4.00	3.95

CO

1.86	YES							
L0007767		0	0.24950E-05	475388.3	3746015.6	478.5	4.00	3.95
1.86	YES							
L0007768		0	0.24950E-05	475388.2	3746007.1	478.7	4.00	3.95
1.86	YES							
L0007769		0	0.24950E-05	475388.0	3745998.6	478.7	4.00	3.95
1.86	YES							
L0007770		0	0.24950E-05	475387.9	3745990.1	478.7	4.00	3.95
1.86	YES							
L0007771		0	0.18280E-05	474824.8	3746232.3	496.8	4.00	3.95
1.86	YES							
L0007772		0	0.18280E-05	474824.6	3746223.8	497.0	4.00	3.95
1.86	YES							
L0007773		0	0.18280E-05	474824.5	3746215.3	497.1	4.00	3.95
1.86	YES							
L0007774		0	0.18280E-05	474824.3	3746206.8	497.3	4.00	3.95
1.86	YES							
L0007775		0	0.18280E-05	474824.1	3746198.3	497.4	4.00	3.95
1.86	YES							
L0007776		0	0.18280E-05	474824.0	3746189.8	497.6	4.00	3.95
1.86	YES							
L0007777		0	0.18280E-05	474823.8	3746181.3	498.1	4.00	3.95
1.86	YES							
L0007778		0	0.18280E-05	474823.7	3746172.8	498.7	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\PM25\PM25.isc *** 01/29/16
 *** AERMET - VERSION 14134 *** ***
 *** 09:57:56

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0007779		0	0.18280E-05	474823.5	3746164.3	499.3	4.00	3.95	
1.86	YES								
L0007780		0	0.18280E-05	474823.3	3746155.8	499.4	4.00	3.95	

CO

1.86	YES							
L0007781		0	0.18280E-05	474823.2	3746147.3	499.2	4.00	3.95
1.86	YES							
L0007782		0	0.18280E-05	474823.0	3746138.8	498.9	4.00	3.95
1.86	YES							
L0007783		0	0.18280E-05	474822.9	3746130.3	498.7	4.00	3.95
1.86	YES							
L0007784		0	0.18280E-05	474822.7	3746121.8	498.6	4.00	3.95
1.86	YES							
L0007785		0	0.18280E-05	474822.5	3746113.3	498.4	4.00	3.95
1.86	YES							
L0007786		0	0.18280E-05	474822.4	3746104.8	498.3	4.00	3.95
1.86	YES							
L0007787		0	0.18280E-05	474822.2	3746096.3	498.2	4.00	3.95
1.86	YES							
L0007788		0	0.18280E-05	474822.1	3746087.8	498.2	4.00	3.95
1.86	YES							
L0007789		0	0.18280E-05	474821.9	3746079.3	498.2	4.00	3.95
1.86	YES							
L0007790		0	0.18280E-05	474821.8	3746070.8	498.2	4.00	3.95
1.86	YES							
L0007791		0	0.18280E-05	474821.6	3746062.3	498.5	4.00	3.95
1.86	YES							
L0007792		0	0.18280E-05	474821.4	3746053.8	498.8	4.00	3.95
1.86	YES							
L0007793		0	0.18280E-05	474821.3	3746045.3	499.1	4.00	3.95
1.86	YES							
L0007794		0	0.18280E-05	474821.1	3746036.8	499.3	4.00	3.95
1.86	YES							
L0007795		0	0.18280E-05	474821.0	3746028.3	499.3	4.00	3.95
1.86	YES							
L0007796		0	0.18280E-05	474820.8	3746019.8	499.3	4.00	3.95
1.86	YES							
L0007797		0	0.18280E-05	474820.6	3746011.3	499.3	4.00	3.95
1.86	YES							
L0007798		0	0.18280E-05	474820.5	3746002.8	499.4	4.00	3.95
1.86	YES							
L0007799		0	0.18280E-05	475021.9	3746228.2	489.9	4.00	3.95
1.86	YES							
L0007800		0	0.18280E-05	475021.8	3746219.7	489.9	4.00	3.95
1.86	YES							
L0007801		0	0.18280E-05	475021.6	3746211.2	489.6	4.00	3.95
1.86	YES							
L0007802		0	0.18280E-05	475021.5	3746202.7	489.4	4.00	3.95
1.86	YES							
L0007803		0	0.18280E-05	475021.3	3746194.2	489.1	4.00	3.95
1.86	YES							
L0007804		0	0.18280E-05	475021.1	3746185.7	489.1	4.00	3.95

CO

1.86	YES							
L0007805		0	0.18280E-05	475021.0	3746177.2	489.4	4.00	3.95
1.86	YES							
L0007806		0	0.18280E-05	475020.8	3746168.7	489.7	4.00	3.95
1.86	YES							
L0007807		0	0.18280E-05	475020.7	3746160.2	490.0	4.00	3.95
1.86	YES							
L0007808		0	0.18280E-05	475020.5	3746151.7	489.7	4.00	3.95
1.86	YES							
L0007809		0	0.18280E-05	475020.3	3746143.2	489.4	4.00	3.95
1.86	YES							
L0007810		0	0.18280E-05	475020.2	3746134.7	489.2	4.00	3.95
1.86	YES							
L0007811		0	0.18280E-05	475020.0	3746126.2	489.1	4.00	3.95
1.86	YES							
L0007812		0	0.18280E-05	475019.9	3746117.7	489.4	4.00	3.95
1.86	YES							
L0007813		0	0.18280E-05	475019.7	3746109.2	489.7	4.00	3.95
1.86	YES							
L0007814		0	0.18280E-05	475019.6	3746100.7	490.0	4.00	3.95
1.86	YES							
L0007815		0	0.18280E-05	475019.4	3746092.2	490.0	4.00	3.95
1.86	YES							
L0007816		0	0.18280E-05	475019.2	3746083.7	490.0	4.00	3.95
1.86	YES							
L0007817		0	0.18280E-05	475019.1	3746075.2	490.0	4.00	3.95
1.86	YES							
L0007818		0	0.18280E-05	475018.9	3746066.7	490.0	4.00	3.95

1.86 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\PM25\PM25.isc *** 01/29/16
 *** AERMET - VERSION 14134 *** ***
 *** 09:57:56

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID		SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY			(METERS)	(METERS)	(METERS)

CO

L0007819	0	0.18280E-05	475018.8	3746058.2	490.1	4.00	3.95
1.86 YES							
L0007820	0	0.18280E-05	475018.6	3746049.7	490.1	4.00	3.95
1.86 YES							
L0007821	0	0.18280E-05	475018.4	3746041.2	490.1	4.00	3.95
1.86 YES							
L0007822	0	0.18280E-05	475018.3	3746032.7	490.3	4.00	3.95
1.86 YES							
L0007823	0	0.18280E-05	475018.1	3746024.2	490.6	4.00	3.95
1.86 YES							
L0007824	0	0.18280E-05	475018.0	3746015.7	490.9	4.00	3.95
1.86 YES							
L0007825	0	0.18280E-05	475017.8	3746007.2	491.1	4.00	3.95
1.86 YES							
L0007826	0	0.18280E-05	475017.6	3745998.7	491.1	4.00	3.95
1.86 YES							
L0007827	0	0.23100E-05	475163.7	3746225.8	485.0	4.00	3.95
1.86 YES							
L0007828	0	0.23100E-05	475163.5	3746217.3	485.1	4.00	3.95
1.86 YES							
L0007829	0	0.23100E-05	475163.4	3746208.8	484.9	4.00	3.95
1.86 YES							
L0007830	0	0.23100E-05	475163.2	3746200.3	484.7	4.00	3.95
1.86 YES							
L0007831	0	0.23100E-05	475163.1	3746191.8	484.5	4.00	3.95
1.86 YES							
L0007832	0	0.23100E-05	475162.9	3746183.3	484.6	4.00	3.95
1.86 YES							
L0007833	0	0.23100E-05	475162.7	3746174.8	484.9	4.00	3.95
1.86 YES							
L0007834	0	0.23100E-05	475162.6	3746166.3	485.1	4.00	3.95
1.86 YES							
L0007835	0	0.23100E-05	475162.4	3746157.8	485.2	4.00	3.95
1.86 YES							
L0007836	0	0.23100E-05	475162.3	3746149.3	485.3	4.00	3.95
1.86 YES							
L0007837	0	0.23100E-05	475162.1	3746140.8	485.3	4.00	3.95
1.86 YES							
L0007838	0	0.23100E-05	475162.0	3746132.3	485.3	4.00	3.95
1.86 YES							
L0007839	0	0.23100E-05	475161.8	3746123.8	485.5	4.00	3.95
1.86 YES							
L0007840	0	0.23100E-05	475161.6	3746115.3	485.8	4.00	3.95
1.86 YES							
L0007841	0	0.23100E-05	475161.5	3746106.8	486.1	4.00	3.95
1.86 YES							
L0007842	0	0.23100E-05	475161.3	3746098.3	486.3	4.00	3.95

CO

1.86	YES							
L0007843		0	0.23100E-05	475161.2	3746089.8	486.3	4.00	3.95
1.86	YES							
L0007844		0	0.23100E-05	475161.0	3746081.3	486.3	4.00	3.95
1.86	YES							
L0007845		0	0.23100E-05	475160.8	3746072.8	486.3	4.00	3.95
1.86	YES							
L0007846		0	0.23100E-05	475160.7	3746064.3	486.5	4.00	3.95
1.86	YES							
L0007847		0	0.23100E-05	475160.5	3746055.8	486.8	4.00	3.95
1.86	YES							
L0007848		0	0.23100E-05	475160.4	3746047.3	487.1	4.00	3.95
1.86	YES							
L0007849		0	0.23100E-05	475160.2	3746038.8	487.4	4.00	3.95
1.86	YES							
L0007850		0	0.23100E-05	475160.0	3746030.3	487.6	4.00	3.95
1.86	YES							
L0007851		0	0.23100E-05	475159.9	3746021.8	487.7	4.00	3.95
1.86	YES							
L0007852		0	0.23100E-05	475159.7	3746013.3	487.9	4.00	3.95
1.86	YES							
L0007853		0	0.23100E-05	475159.6	3746004.8	488.0	4.00	3.95
1.86	YES							
L0007854		0	0.23100E-05	475159.4	3745996.3	488.0	4.00	3.95
1.86	YES							
L0007855		0	0.23100E-05	475392.2	3746219.5	477.6	4.00	3.95
1.86	YES							
L0007856		0	0.23100E-05	475392.0	3746211.0	477.6	4.00	3.95
1.86	YES							
L0007857		0	0.23100E-05	475391.8	3746202.5	477.6	4.00	3.95
1.86	YES							
L0007858		0	0.23100E-05	475391.7	3746194.0	477.6	4.00	3.95

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\PM25\PM25.isc *** 01/29/16
 *** AERMET - VERSION 14134 ***
 *** 09:57:56

**MODELOPTs: RegDFAULT CONC PAGE 7
 ELEV URBAN

*** VOLUME SOURCE DATA ***

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

ID (METERS)	CATS. BY		CO				
			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0007859	0	0.23100E-05	475391.5	3746185.5	477.6	4.00	3.95
1.86 YES							
L0007860	0	0.23100E-05	475391.4	3746177.0	477.5	4.00	3.95
1.86 YES							
L0007861	0	0.23100E-05	475391.2	3746168.5	477.4	4.00	3.95
1.86 YES							
L0007862	0	0.23100E-05	475391.0	3746160.1	477.3	4.00	3.95
1.86 YES							
L0007863	0	0.23100E-05	475390.9	3746151.6	477.3	4.00	3.95
1.86 YES							
L0007864	0	0.23100E-05	475390.7	3746143.1	477.3	4.00	3.95
1.86 YES							
L0007865	0	0.23100E-05	475390.6	3746134.6	477.3	4.00	3.95
1.86 YES							
L0007866	0	0.23100E-05	475390.4	3746126.1	477.4	4.00	3.95
1.86 YES							
L0007867	0	0.23100E-05	475390.2	3746117.6	477.5	4.00	3.95
1.86 YES							
L0007868	0	0.23100E-05	475390.1	3746109.1	477.6	4.00	3.95
1.86 YES							
L0007869	0	0.23100E-05	475389.9	3746100.6	477.7	4.00	3.95
1.86 YES							
L0007870	0	0.23100E-05	475389.8	3746092.1	477.7	4.00	3.95
1.86 YES							
L0007871	0	0.23100E-05	475389.6	3746083.6	477.7	4.00	3.95
1.86 YES							
L0007872	0	0.23100E-05	475389.5	3746075.1	477.7	4.00	3.95
1.86 YES							
L0007873	0	0.23100E-05	475389.3	3746066.6	477.7	4.00	3.95
1.86 YES							
L0007874	0	0.23100E-05	475389.1	3746058.1	477.7	4.00	3.95
1.86 YES							
L0007875	0	0.23100E-05	475389.0	3746049.6	477.7	4.00	3.95
1.86 YES							
L0007876	0	0.23100E-05	475388.8	3746041.1	477.7	4.00	3.95
1.86 YES							
L0007877	0	0.23100E-05	475388.7	3746032.6	478.0	4.00	3.95
1.86 YES							
L0007878	0	0.23100E-05	475388.5	3746024.1	478.2	4.00	3.95
1.86 YES							
L0007879	0	0.23100E-05	475388.3	3746015.6	478.5	4.00	3.95
1.86 YES							
L0007880	0	0.23100E-05	475388.2	3746007.1	478.7	4.00	3.95

CO

1.86	YES							
L0007881		0	0.23100E-05	475388.0	3745998.6	478.7	4.00	3.95
1.86	YES							
L0007882		0	0.23100E-05	475387.9	3745990.1	478.7	4.00	3.95
1.86	YES							
L0007883		0	0.39540E-06	475442.6	3746315.0	474.9	0.00	3.95
0.47	YES							
L0007884		0	0.39540E-06	475439.4	3746307.1	475.0	0.00	3.95
0.47	YES							
L0007885		0	0.39540E-06	475436.1	3746299.3	475.1	0.00	3.95
0.47	YES							
L0007886		0	0.39540E-06	475431.8	3746292.2	475.3	0.00	3.95
0.47	YES							
L0007887		0	0.39540E-06	475425.1	3746286.9	475.5	0.00	3.95
0.47	YES							
L0007888		0	0.39540E-06	475432.2	3746282.5	475.3	0.00	3.95
0.47	YES							
L0007889		0	0.39540E-06	475439.4	3746281.6	475.0	0.00	3.95
0.47	YES							
L0007890		0	0.39540E-06	475446.4	3746286.4	474.9	0.00	3.95
0.47	YES							
L0007891		0	0.39540E-06	475453.4	3746291.2	474.8	0.00	3.95
0.47	YES							
L0007892		0	0.39540E-06	475460.2	3746296.1	474.6	0.00	3.95
0.47	YES							
L0007893		0	0.39540E-06	475459.6	3746304.2	474.5	0.00	3.95
0.47	YES							
L0007894		0	0.39540E-06	475468.1	3746303.9	474.2	0.00	3.95
0.47	YES							
L0007895		0	0.39540E-06	475476.4	3746302.3	474.2	0.00	3.95
0.47	YES							
L0007896		0	0.39540E-06	475476.9	3746294.8	474.4	0.00	3.95
0.47	YES							
L0007897		0	0.39540E-06	475476.3	3746286.3	474.6	0.00	3.95
0.47	YES							
L0007898		0	0.39540E-06	475476.3	3746277.8	474.8	0.00	3.95

♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\PM25\PM25.isc *** 01/29/16
 *** AERMET - VERSION 14134 *** ***
 *** 09:57:56

**MODELOPTs: RegDEFAULT CONC PAGE 8
 ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	CO		BASE	RELEASE	INIT.
					X	Y			
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	(METERS)	(METERS)	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.							
L0007899		0	0.39540E-06		475476.3	3746269.3	474.9	0.00	3.95
0.47	YES								
L0007900		0	0.39540E-06		475476.2	3746260.8	474.9	0.00	3.95
0.47	YES								
L0007901		0	0.39540E-06		475475.9	3746252.3	475.0	0.00	3.95
0.47	YES								
L0007902		0	0.39540E-06		475469.4	3746248.9	475.1	0.00	3.95
0.47	YES								
L0007903		0	0.39540E-06		475461.1	3746246.9	475.4	0.00	3.95
0.47	YES								
L0007904		0	0.39540E-06		475452.7	3746246.1	475.6	0.00	3.95
0.47	YES								
L0007905		0	0.39540E-06		475444.2	3746245.5	475.9	0.00	3.95
0.47	YES								
L0007906		0	0.39540E-06		475435.7	3746244.8	476.0	0.00	3.95
0.47	YES								
L0007907		0	0.39540E-06		475427.6	3746246.6	476.1	0.00	3.95
0.47	YES								
L0007908		0	0.39540E-06		475420.8	3746250.1	476.0	0.00	3.95
0.47	YES								
L0007909		0	0.39540E-06		475422.2	3746258.5	475.9	0.00	3.95
0.47	YES								
L0007910		0	0.39540E-06		475424.2	3746266.7	475.7	0.00	3.95
0.47	YES								
L0007911		0	0.39540E-06		475428.1	3746274.2	475.5	0.00	3.95
0.47	YES								
L0007912		0	0.39540E-06		475426.2	3746282.5	475.5	0.00	3.95
0.47	YES								
L0007913		0	0.39540E-06		475420.4	3746288.3	475.7	0.00	3.95
0.47	YES								
L0007914		0	0.39540E-06		475415.7	3746295.4	475.8	0.00	3.95
0.47	YES								
L0007915		0	0.39540E-06		475408.0	3746298.0	476.1	0.00	3.95
0.47	YES								
L0007916		0	0.39540E-06		475399.5	3746298.6	476.4	0.00	3.95
0.47	YES								
L0007917		0	0.39540E-06		475391.0	3746298.8	476.6	0.00	3.95
0.47	YES								
L0007918		0	0.39540E-06		475382.5	3746299.3	476.9	0.00	3.95

CO

0.47	YES							
L0007919		0	0.39540E-06	475374.1	3746300.7	477.2	0.00	3.95
0.47	YES							
L0007920		0	0.39540E-06	475365.8	3746302.0	477.5	0.00	3.95
0.47	YES							
L0007921		0	0.39540E-06	475357.3	3746303.2	477.8	0.00	3.95
0.47	YES							
L0007922		0	0.39540E-06	475348.9	3746304.3	478.0	0.00	3.95
0.47	YES							
L0007923		0	0.39540E-06	475340.5	3746305.4	478.1	0.00	3.95
0.47	YES							
L0007924		0	0.39540E-06	475332.1	3746306.5	478.1	0.00	3.95
0.47	YES							
L0007925		0	0.39540E-06	475323.6	3746306.9	478.1	0.00	3.95
0.47	YES							
L0007926		0	0.39540E-06	475315.1	3746306.9	478.4	0.00	3.95
0.47	YES							
L0007927		0	0.39540E-06	475306.6	3746306.9	478.9	0.00	3.95
0.47	YES							
L0007928		0	0.39540E-06	475298.1	3746306.9	479.5	0.00	3.95
0.47	YES							
L0007929		0	0.39540E-06	475289.6	3746306.9	480.0	0.00	3.95
0.47	YES							
L0007930		0	0.39540E-06	475281.1	3746306.9	480.3	0.00	3.95
0.47	YES							
L0007931		0	0.39540E-06	475272.6	3746306.6	480.6	0.00	3.95
0.47	YES							
L0007932		0	0.39540E-06	475264.1	3746306.2	480.9	0.00	3.95
0.47	YES							
L0007933		0	0.39540E-06	475255.6	3746305.8	481.2	0.00	3.95
0.47	YES							
L0007934		0	0.39540E-06	475247.1	3746305.5	481.4	0.00	3.95
0.47	YES							
L0007935		0	0.39540E-06	475238.6	3746305.1	481.7	0.00	3.95
0.47	YES							
L0007936		0	0.39540E-06	475230.1	3746304.6	482.0	0.00	3.95
0.47	YES							
L0007937		0	0.39540E-06	475221.6	3746304.2	482.3	0.00	3.95
0.47	YES							
L0007938		0	0.39540E-06	475213.2	3746302.9	482.6	0.00	3.95

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

CO

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0007939		0	0.39540E-06	475204.9	3746302.5	482.8	0.00	3.95
0.47	YES							
L0007940		0	0.39540E-06	475196.5	3746304.0	483.1	0.00	3.95
0.47	YES							
L0007941		0	0.39540E-06	475188.1	3746305.5	483.4	0.00	3.95
0.47	YES							
L0007942		0	0.39540E-06	475179.9	3746304.5	483.7	0.00	3.95
0.47	YES							
L0007943		0	0.39540E-06	475171.6	3746302.4	483.9	0.00	3.95
0.47	YES							
L0007944		0	0.39540E-06	475163.3	3746300.7	484.4	0.00	3.95
0.47	YES							
L0007945		0	0.39540E-06	475154.9	3746300.4	484.9	0.00	3.95
0.47	YES							
L0007946		0	0.39540E-06	475146.4	3746300.7	485.3	0.00	3.95
0.47	YES							
L0007947		0	0.39540E-06	475137.9	3746301.1	485.8	0.00	3.95
0.47	YES							
L0007948		0	0.39540E-06	475129.5	3746299.8	486.1	0.00	3.95
0.47	YES							
L0007949		0	0.39540E-06	475126.6	3746292.1	486.1	0.00	3.95
0.47	YES							
L0007950		0	0.39540E-06	475126.6	3746283.7	486.0	0.00	3.95
0.47	YES							
L0007951		0	0.39540E-06	475127.6	3746275.3	485.8	0.00	3.95
0.47	YES							
L0007952		0	0.39540E-06	475128.0	3746266.8	485.6	0.00	3.95
0.47	YES							
L0007953		0	0.23510E-06	475442.6	3746315.0	474.9	0.00	3.95
0.47	YES							
L0007954		0	0.23510E-06	475439.4	3746307.1	475.0	0.00	3.95
0.47	YES							
L0007955		0	0.23510E-06	475436.1	3746299.3	475.1	0.00	3.95
0.47	YES							
L0007956		0	0.23510E-06	475431.8	3746292.2	475.3	0.00	3.95

CO

0.47	YES							
L0007957		0	0.23510E-06	475425.1	3746286.9	475.5	0.00	3.95
0.47	YES							
L0007958		0	0.23510E-06	475432.2	3746282.5	475.3	0.00	3.95
0.47	YES							
L0007959		0	0.23510E-06	475439.4	3746281.6	475.0	0.00	3.95
0.47	YES							
L0007960		0	0.23510E-06	475446.4	3746286.4	474.9	0.00	3.95
0.47	YES							
L0007961		0	0.23510E-06	475453.4	3746291.2	474.8	0.00	3.95
0.47	YES							
L0007962		0	0.23510E-06	475460.2	3746296.1	474.6	0.00	3.95
0.47	YES							
L0007963		0	0.23510E-06	475459.6	3746304.2	474.5	0.00	3.95
0.47	YES							
L0007964		0	0.23510E-06	475468.1	3746303.9	474.2	0.00	3.95
0.47	YES							
L0007965		0	0.23510E-06	475476.4	3746302.3	474.2	0.00	3.95
0.47	YES							
L0007966		0	0.23510E-06	475476.9	3746294.8	474.4	0.00	3.95
0.47	YES							
L0007967		0	0.23510E-06	475476.3	3746286.3	474.6	0.00	3.95
0.47	YES							
L0007968		0	0.23510E-06	475476.3	3746277.8	474.8	0.00	3.95
0.47	YES							
L0007969		0	0.23510E-06	475476.3	3746269.3	474.9	0.00	3.95
0.47	YES							
L0007970		0	0.23510E-06	475476.2	3746260.8	474.9	0.00	3.95
0.47	YES							
L0007971		0	0.23510E-06	475475.9	3746252.3	475.0	0.00	3.95
0.47	YES							
L0007972		0	0.23510E-06	475469.4	3746248.9	475.1	0.00	3.95
0.47	YES							
L0007973		0	0.23510E-06	475461.1	3746246.9	475.4	0.00	3.95
0.47	YES							
L0007974		0	0.23510E-06	475452.7	3746246.1	475.6	0.00	3.95
0.47	YES							
L0007975		0	0.23510E-06	475444.2	3746245.5	475.9	0.00	3.95
0.47	YES							
L0007976		0	0.23510E-06	475435.7	3746244.8	476.0	0.00	3.95
0.47	YES							
L0007977		0	0.23510E-06	475427.6	3746246.6	476.1	0.00	3.95
0.47	YES							
L0007978		0	0.23510E-06	475420.8	3746250.1	476.0	0.00	3.95

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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*** AERMET - VERSION 14134 *** ***

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0007979		0	0.23510E-06	475422.2	3746258.5	475.9	0.00	3.95
0.47	YES							
L0007980		0	0.23510E-06	475424.2	3746266.7	475.7	0.00	3.95
0.47	YES							
L0007981		0	0.23510E-06	475428.1	3746274.2	475.5	0.00	3.95
0.47	YES							
L0007982		0	0.23510E-06	475426.2	3746282.5	475.5	0.00	3.95
0.47	YES							
L0007983		0	0.23510E-06	475420.4	3746288.3	475.7	0.00	3.95
0.47	YES							
L0007984		0	0.23510E-06	475415.7	3746295.4	475.8	0.00	3.95
0.47	YES							
L0007985		0	0.23510E-06	475408.0	3746298.0	476.1	0.00	3.95
0.47	YES							
L0007986		0	0.23510E-06	475399.5	3746298.6	476.4	0.00	3.95
0.47	YES							
L0007987		0	0.23510E-06	475391.0	3746298.8	476.6	0.00	3.95
0.47	YES							
L0007988		0	0.23510E-06	475382.5	3746299.3	476.9	0.00	3.95
0.47	YES							
L0007989		0	0.23510E-06	475374.1	3746300.7	477.2	0.00	3.95
0.47	YES							
L0007990		0	0.23510E-06	475365.8	3746302.0	477.5	0.00	3.95
0.47	YES							
L0007991		0	0.23510E-06	475357.3	3746303.2	477.8	0.00	3.95
0.47	YES							
L0007992		0	0.23510E-06	475348.9	3746304.3	478.0	0.00	3.95
0.47	YES							
L0007993		0	0.23510E-06	475340.5	3746305.4	478.1	0.00	3.95
0.47	YES							
L0007994		0	0.23510E-06	475332.1	3746306.5	478.1	0.00	3.95

CO

0.47	YES							
L0007995		0	0.23510E-06	475323.6	3746306.9	478.1	0.00	3.95
0.47	YES							
L0007996		0	0.23510E-06	475315.1	3746306.9	478.4	0.00	3.95
0.47	YES							
L0007997		0	0.23510E-06	475306.6	3746306.9	478.9	0.00	3.95
0.47	YES							
L0007998		0	0.23510E-06	475298.1	3746306.9	479.5	0.00	3.95
0.47	YES							
L0007999		0	0.23510E-06	475289.6	3746306.9	480.0	0.00	3.95
0.47	YES							
L0008000		0	0.23510E-06	475281.1	3746306.9	480.3	0.00	3.95
0.47	YES							
L0008001		0	0.23510E-06	475272.6	3746306.6	480.6	0.00	3.95
0.47	YES							
L0008002		0	0.23510E-06	475264.1	3746306.2	480.9	0.00	3.95
0.47	YES							
L0008003		0	0.23510E-06	475255.6	3746305.8	481.2	0.00	3.95
0.47	YES							
L0008004		0	0.23510E-06	475247.1	3746305.5	481.4	0.00	3.95
0.47	YES							
L0008005		0	0.23510E-06	475238.6	3746305.1	481.7	0.00	3.95
0.47	YES							
L0008006		0	0.23510E-06	475230.1	3746304.6	482.0	0.00	3.95
0.47	YES							
L0008007		0	0.23510E-06	475221.6	3746304.2	482.3	0.00	3.95
0.47	YES							
L0008008		0	0.23510E-06	475213.2	3746302.9	482.6	0.00	3.95
0.47	YES							
L0008009		0	0.23510E-06	475204.9	3746302.5	482.8	0.00	3.95
0.47	YES							
L0008010		0	0.23510E-06	475196.5	3746304.0	483.1	0.00	3.95
0.47	YES							
L0008011		0	0.23510E-06	475188.1	3746305.5	483.4	0.00	3.95
0.47	YES							
L0008012		0	0.23510E-06	475179.9	3746304.5	483.7	0.00	3.95
0.47	YES							
L0008013		0	0.23510E-06	475171.6	3746302.4	483.9	0.00	3.95
0.47	YES							
L0008014		0	0.23510E-06	475163.3	3746300.7	484.4	0.00	3.95
0.47	YES							
L0008015		0	0.23510E-06	475154.9	3746300.4	484.9	0.00	3.95
0.47	YES							
L0008016		0	0.23510E-06	475146.4	3746300.7	485.3	0.00	3.95
0.47	YES							
L0008017		0	0.23510E-06	475137.9	3746301.1	485.8	0.00	3.95
0.47	YES							
L0008018		0	0.23510E-06	475129.5	3746299.8	486.1	0.00	3.95

CO

0.47 YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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*** AERMET - VERSION 14134 ***
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ELEV URBAN

**MODELOPTs: RegDFAULT CONC

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0008019		0	0.23510E-06	475126.6	3746292.1	486.1	0.00	3.95
0.47	YES							
L0008020		0	0.23510E-06	475126.6	3746283.7	486.0	0.00	3.95
0.47	YES							
L0008021		0	0.23510E-06	475127.6	3746275.3	485.8	0.00	3.95
0.47	YES							
L0008022		0	0.23510E-06	475128.0	3746266.8	485.6	0.00	3.95
0.47	YES							
L0008023		0	0.43760E-06	475031.7	3746317.3	489.6	0.00	3.95
0.47	YES							
L0008024		0	0.43760E-06	475032.2	3746308.8	489.6	0.00	3.95
0.47	YES							
L0008025		0	0.43760E-06	475028.9	3746303.9	489.7	0.00	3.95
0.47	YES							
L0008026		0	0.43760E-06	475020.4	3746304.0	490.0	0.00	3.95
0.47	YES							
L0008027		0	0.43760E-06	475011.9	3746304.1	490.3	0.00	3.95
0.47	YES							
L0008028		0	0.43760E-06	475003.4	3746304.1	490.6	0.00	3.95
0.47	YES							
L0008029		0	0.43760E-06	474994.9	3746304.2	490.8	0.00	3.95
0.47	YES							
L0008030		0	0.43760E-06	474986.4	3746304.2	491.1	0.00	3.95
0.47	YES							
L0008031		0	0.43760E-06	474977.9	3746304.3	491.4	0.00	3.95
0.47	YES							
L0008032		0	0.43760E-06	474969.4	3746304.3	491.7	0.00	3.95

CO

0.47	YES							
L0008033		0	0.43760E-06	474960.9	3746304.4	492.0	0.00	3.95
0.47	YES							
L0008034		0	0.43760E-06	474952.4	3746304.4	492.5	0.00	3.95
0.47	YES							
L0008035		0	0.43760E-06	474943.9	3746304.5	493.0	0.00	3.95
0.47	YES							
L0008036		0	0.43760E-06	474935.4	3746304.5	493.5	0.00	3.95
0.47	YES							
L0008037		0	0.43760E-06	474926.9	3746304.6	493.8	0.00	3.95
0.47	YES							
L0008038		0	0.43760E-06	474918.4	3746304.6	493.8	0.00	3.95
0.47	YES							
L0008039		0	0.43760E-06	474909.9	3746304.7	493.8	0.00	3.95
0.47	YES							
L0008040		0	0.43760E-06	474901.4	3746304.8	493.8	0.00	3.95
0.47	YES							
L0008041		0	0.43760E-06	474892.9	3746304.8	494.1	0.00	3.95
0.47	YES							
L0008042		0	0.43760E-06	474884.4	3746304.9	494.4	0.00	3.95
0.47	YES							
L0008043		0	0.43760E-06	474875.9	3746304.9	494.6	0.00	3.95
0.47	YES							
L0008044		0	0.43760E-06	474867.4	3746305.0	495.0	0.00	3.95
0.47	YES							
L0008045		0	0.43760E-06	474858.9	3746305.0	495.6	0.00	3.95
0.47	YES							
L0008046		0	0.43760E-06	474850.4	3746305.1	496.1	0.00	3.95
0.47	YES							
L0008047		0	0.43760E-06	474841.9	3746305.1	496.7	0.00	3.95
0.47	YES							
L0008048		0	0.43760E-06	474833.4	3746305.2	497.1	0.00	3.95
0.47	YES							
L0008049		0	0.43760E-06	474824.9	3746305.2	497.4	0.00	3.95
0.47	YES							
L0008050		0	0.43760E-06	474816.4	3746305.3	497.8	0.00	3.95
0.47	YES							
L0008051		0	0.43760E-06	474807.9	3746305.3	498.1	0.00	3.95
0.47	YES							
L0008052		0	0.43760E-06	474799.4	3746305.4	498.4	0.00	3.95
0.47	YES							
L0008053		0	0.43760E-06	474790.9	3746305.5	498.6	0.00	3.95
0.47	YES							
L0008054		0	0.43760E-06	474782.4	3746305.5	498.9	0.00	3.95
0.47	YES							
L0008055		0	0.43760E-06	474773.9	3746305.6	499.6	0.00	3.95
0.47	YES							
L0008056		0	0.43760E-06	474765.4	3746305.6	500.5	0.00	3.95

CO

0.47 YES
L0008057 0 0.43760E-06 474756.9 3746305.7 501.3 0.00 3.95

0.47 YES
L0008058 0 0.43760E-06 474752.3 3746301.9 501.8 0.00 3.95

0.47 YES
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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*** AERMET - VERSION 14134 *** ***
*** 09:57:56

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**MODELOPTs: RegDFault CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								

L0008059	0	0.43760E-06	474752.3	3746293.4	501.8	0.00	3.95
0.47 YES							
L0008060	0	0.43760E-06	474752.3	3746284.9	501.8	0.00	3.95
0.47 YES							
L0008061	0	0.43760E-06	474752.4	3746276.4	501.8	0.00	3.95
0.47 YES							
L0008062	0	0.43760E-06	474752.4	3746267.9	501.8	0.00	3.95
0.47 YES							
L0008063	0	0.43760E-06	474752.4	3746259.4	501.8	0.00	3.95
0.47 YES							
L0008064	0	0.43760E-06	474757.9	3746255.2	501.4	0.00	3.95
0.47 YES							
L0008065	0	0.43760E-06	474766.2	3746253.2	500.9	0.00	3.95
0.47 YES							
L0008066	0	0.43760E-06	474774.4	3746251.2	500.3	0.00	3.95
0.47 YES							
L0008067	0	0.43760E-06	474782.7	3746249.2	499.8	0.00	3.95
0.47 YES							
L0008068	0	0.43760E-06	474789.1	3746250.2	499.4	0.00	3.95
0.47 YES							
L0008069	0	0.43760E-06	474791.0	3746258.5	499.1	0.00	3.95
0.47 YES							
L0008070	0	0.43760E-06	474793.0	3746266.8	498.8	0.00	3.95

CO

0.47	YES							
L0008071		0	0.43760E-06	474794.9	3746275.1	498.6	0.00	3.95
0.47	YES							
L0008072		0	0.43760E-06	474796.8	3746283.3	498.4	0.00	3.95
0.47	YES							
L0008073		0	0.18590E-06	475031.7	3746317.3	489.6	0.00	3.95
0.47	YES							
L0008074		0	0.18590E-06	475032.2	3746308.8	489.6	0.00	3.95
0.47	YES							
L0008075		0	0.18590E-06	475028.9	3746303.9	489.7	0.00	3.95
0.47	YES							
L0008076		0	0.18590E-06	475020.4	3746304.0	490.0	0.00	3.95
0.47	YES							
L0008077		0	0.18590E-06	475011.9	3746304.1	490.3	0.00	3.95
0.47	YES							
L0008078		0	0.18590E-06	475003.4	3746304.1	490.6	0.00	3.95
0.47	YES							
L0008079		0	0.18590E-06	474994.9	3746304.2	490.8	0.00	3.95
0.47	YES							
L0008080		0	0.18590E-06	474986.4	3746304.2	491.1	0.00	3.95
0.47	YES							
L0008081		0	0.18590E-06	474977.9	3746304.3	491.4	0.00	3.95
0.47	YES							
L0008082		0	0.18590E-06	474969.4	3746304.3	491.7	0.00	3.95
0.47	YES							
L0008083		0	0.18590E-06	474960.9	3746304.4	492.0	0.00	3.95
0.47	YES							
L0008084		0	0.18590E-06	474952.4	3746304.4	492.5	0.00	3.95
0.47	YES							
L0008085		0	0.18590E-06	474943.9	3746304.5	493.0	0.00	3.95
0.47	YES							
L0008086		0	0.18590E-06	474935.4	3746304.5	493.5	0.00	3.95
0.47	YES							
L0008087		0	0.18590E-06	474926.9	3746304.6	493.8	0.00	3.95
0.47	YES							
L0008088		0	0.18590E-06	474918.4	3746304.6	493.8	0.00	3.95
0.47	YES							
L0008089		0	0.18590E-06	474909.9	3746304.7	493.8	0.00	3.95
0.47	YES							
L0008090		0	0.18590E-06	474901.4	3746304.8	493.8	0.00	3.95
0.47	YES							
L0008091		0	0.18590E-06	474892.9	3746304.8	494.1	0.00	3.95
0.47	YES							
L0008092		0	0.18590E-06	474884.4	3746304.9	494.4	0.00	3.95
0.47	YES							
L0008093		0	0.18590E-06	474875.9	3746304.9	494.6	0.00	3.95
0.47	YES							
L0008094		0	0.18590E-06	474867.4	3746305.0	495.0	0.00	3.95

CO

0.47	YES	L0008095	0	0.18590E-06	474858.9	3746305.0	495.6	0.00	3.95
0.47	YES	L0008096	0	0.18590E-06	474850.4	3746305.1	496.1	0.00	3.95
0.47	YES	L0008097	0	0.18590E-06	474841.9	3746305.1	496.7	0.00	3.95
0.47	YES	L0008098	0	0.18590E-06	474833.4	3746305.2	497.1	0.00	3.95

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						
L0008099		0	0.18590E-06	474824.9	3746305.2	497.4	0.00	3.95	
0.47	YES	L0008100	0	0.18590E-06	474816.4	3746305.3	497.8	0.00	3.95
0.47	YES	L0008101	0	0.18590E-06	474807.9	3746305.3	498.1	0.00	3.95
0.47	YES	L0008102	0	0.18590E-06	474799.4	3746305.4	498.4	0.00	3.95
0.47	YES	L0008103	0	0.18590E-06	474790.9	3746305.5	498.6	0.00	3.95
0.47	YES	L0008104	0	0.18590E-06	474782.4	3746305.5	498.9	0.00	3.95
0.47	YES	L0008105	0	0.18590E-06	474773.9	3746305.6	499.6	0.00	3.95
0.47	YES	L0008106	0	0.18590E-06	474765.4	3746305.6	500.5	0.00	3.95
0.47	YES	L0008107	0	0.18590E-06	474756.9	3746305.7	501.3	0.00	3.95
0.47	YES	L0008108	0	0.18590E-06	474752.3	3746301.9	501.8	0.00	3.95

CO

0.47	YES							
L0008109		0	0.18590E-06	474752.3	3746293.4	501.8	0.00	3.95
0.47	YES							
L0008110		0	0.18590E-06	474752.3	3746284.9	501.8	0.00	3.95
0.47	YES							
L0008111		0	0.18590E-06	474752.4	3746276.4	501.8	0.00	3.95
0.47	YES							
L0008112		0	0.18590E-06	474752.4	3746267.9	501.8	0.00	3.95
0.47	YES							
L0008113		0	0.18590E-06	474752.4	3746259.4	501.8	0.00	3.95
0.47	YES							
L0008114		0	0.18590E-06	474757.9	3746255.2	501.4	0.00	3.95
0.47	YES							
L0008115		0	0.18590E-06	474766.2	3746253.2	500.9	0.00	3.95
0.47	YES							
L0008116		0	0.18590E-06	474774.4	3746251.2	500.3	0.00	3.95
0.47	YES							
L0008117		0	0.18590E-06	474782.7	3746249.2	499.8	0.00	3.95
0.47	YES							
L0008118		0	0.18590E-06	474789.1	3746250.2	499.4	0.00	3.95
0.47	YES							
L0008119		0	0.18590E-06	474791.0	3746258.5	499.1	0.00	3.95
0.47	YES							
L0008120		0	0.18590E-06	474793.0	3746266.8	498.8	0.00	3.95
0.47	YES							
L0008121		0	0.18590E-06	474794.9	3746275.1	498.6	0.00	3.95
0.47	YES							
L0008122		0	0.18590E-06	474796.8	3746283.3	498.4	0.00	3.95

0.47 YES
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREA SOURCE DATA ***

Y-DIM	ORIENT.	NUMBER	EMISSION	COORD (SW CORNER)	BASE	RELEASE	X-DIM
OF AREA	OF AREA	INIT.	URBAN	EMISSION	ELEV.	HEIGHT	OF AREA
ID	CATS.	(METERS)	(GRAMS/SEC	SCALAR	(METERS)	(METERS)	(METERS)
(METERS)	(DEG.)	(METERS)	SOURCE	VARY	(METERS)	(METERS)	(METERS)
			/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)
				BY			

C0

AREA1	0	0.64259E-07	475113.7	3745988.1	487.4	3.90	59.08
255.83	0.34	1.80	YES				
AREA2	0	0.47949E-07	475380.9	3745968.9	478.6	3.90	75.77
267.30	0.26	1.80	YES				

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT OF VERTS.
SZ	SOURCE	SCALAR VARY				
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	BY					

PAREA1	0	0.50603E-07	474745.4	3746238.0	502.5	3.90	9
1.80	YES						
PAREA2	0	0.72843E-07	475006.4	3746235.2	490.4	3.90	9
1.80	YES						

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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	L0007659 , L0007660 , L0007661 , L0007662 , L0007663 ,
L0007664	, L0007665 , L0007666 ,

			CO			
L0007672	L0007667 , L0007673	L0007668 , L0007674	L0007669 ,	L0007670	L0007671	,
L0007680	L0007675 , L0007681	L0007676 , L0007682	L0007677 ,	L0007678	L0007679	,
L0007688	L0007683 , L0007689	L0007684 , L0007690	L0007685 ,	L0007686	L0007687	,
L0007696	L0007691 , L0007697	L0007692 , L0007698	L0007693 ,	L0007694	L0007695	,
L0007704	L0007699 , L0007705	L0007700 , L0007706	L0007701 ,	L0007702	L0007703	,
L0007712	L0007707 , L0007713	L0007708 , L0007714	L0007709 ,	L0007710	L0007711	,
L0007720	L0007715 , L0007721	L0007716 , L0007722	L0007717 ,	L0007718	L0007719	,
L0007728	L0007723 , L0007729	L0007724 , L0007730	L0007725 ,	L0007726	L0007727	,
L0007736	L0007731 , L0007737	L0007732 , L0007738	L0007733 ,	L0007734	L0007735	,
L0007744	L0007739 , L0007745	L0007740 , L0007746	L0007741 ,	L0007742	L0007743	,
L0007752	L0007747 , L0007753	L0007748 , L0007754	L0007749 ,	L0007750	L0007751	,
L0007760	L0007755 , L0007761	L0007756 , L0007762	L0007757 ,	L0007758	L0007759	,
L0007768	L0007763 , L0007769	L0007764 , L0007770	L0007765 ,	L0007766	L0007767	,
L0007776	L0007771 , L0007777	L0007772 , L0007778	L0007773 ,	L0007774	L0007775	,
L0007784	L0007779 , L0007785	L0007780 , L0007786	L0007781 ,	L0007782	L0007783	,
L0007792	L0007787 , L0007793	L0007788 , L0007794	L0007789 ,	L0007790	L0007791	,

CO
L0007800 , L0007795 , L0007796 , L0007797 , L0007798 , L0007799 ,
, L0007801 , L0007802 , ,
L0007808 , L0007803 , L0007804 , L0007805 , L0007806 , L0007807 ,
, L0007809 , L0007810 , ,
L0007816 , L0007811 , L0007812 , L0007813 , L0007814 , L0007815 ,
, L0007817 , L0007818 , ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0007824	L0007819	, L0007820	, L0007821	, L0007822	, L0007823	,
	, L0007825	, L0007826	,			
L0007832	L0007827	, L0007828	, L0007829	, L0007830	, L0007831	,
	, L0007833	, L0007834	,			
L0007840	L0007835	, L0007836	, L0007837	, L0007838	, L0007839	,
	, L0007841	, L0007842	,			
L0007848	L0007843	, L0007844	, L0007845	, L0007846	, L0007847	,
	, L0007849	, L0007850	,			
L0007856	L0007851	, L0007852	, L0007853	, L0007854	, L0007855	,
	, L0007857	, L0007858	,			
L0007864	L0007859	, L0007860	, L0007861	, L0007862	, L0007863	,
	, L0007865	, L0007866	,			
L0007872	L0007867	, L0007868	, L0007869	, L0007870	, L0007871	,
	, L0007873	, L0007874	,			
L0007880	L0007875	, L0007876	, L0007877	, L0007878	, L0007879	,
	, L0007881	, L0007882	,			

			CO			
L0007884	PAREA1 , L0007885	, PAREA2 , L0007886	, AREA1 ,	, AREA2	, L0007883	,
L0007892	L0007887 , L0007893	, L0007888 , L0007894	, L0007889 ,	, L0007890	, L0007891	,
L0007900	L0007895 , L0007901	, L0007896 , L0007902	, L0007897 ,	, L0007898	, L0007899	,
L0007908	L0007903 , L0007909	, L0007904 , L0007910	, L0007905 ,	, L0007906	, L0007907	,
L0007916	L0007911 , L0007917	, L0007912 , L0007918	, L0007913 ,	, L0007914	, L0007915	,
L0007924	L0007919 , L0007925	, L0007920 , L0007926	, L0007921 ,	, L0007922	, L0007923	,
L0007932	L0007927 , L0007933	, L0007928 , L0007934	, L0007929 ,	, L0007930	, L0007931	,
L0007940	L0007935 , L0007941	, L0007936 , L0007942	, L0007937 ,	, L0007938	, L0007939	,
L0007948	L0007943 , L0007949	, L0007944 , L0007950	, L0007945 ,	, L0007946	, L0007947	,
L0007956	L0007951 , L0007957	, L0007952 , L0007958	, L0007953 ,	, L0007954	, L0007955	,
L0007964	L0007959 , L0007965	, L0007960 , L0007966	, L0007961 ,	, L0007962	, L0007963	,
L0007972	L0007967 , L0007973	, L0007968 , L0007974	, L0007969 ,	, L0007970	, L0007971	,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

CO

L0007980	L0007975 , L0007981	, L0007976 , L0007982	, L0007977 ,	, L0007978	, L0007979	,
L0007988	L0007983 , L0007989	, L0007984 , L0007990	, L0007985 ,	, L0007986	, L0007987	,
L0007996	L0007991 , L0007997	, L0007992 , L0007998	, L0007993 ,	, L0007994	, L0007995	,
L0008004	L0007999 , L0008005	, L0008000 , L0008006	, L0008001 ,	, L0008002	, L0008003	,
L0008012	L0008007 , L0008013	, L0008008 , L0008014	, L0008009 ,	, L0008010	, L0008011	,
L0008020	L0008015 , L0008021	, L0008016 , L0008022	, L0008017 ,	, L0008018	, L0008019	,
L0008028	L0008023 , L0008029	, L0008024 , L0008030	, L0008025 ,	, L0008026	, L0008027	,
L0008036	L0008031 , L0008037	, L0008032 , L0008038	, L0008033 ,	, L0008034	, L0008035	,
L0008044	L0008039 , L0008045	, L0008040 , L0008046	, L0008041 ,	, L0008042	, L0008043	,
L0008052	L0008047 , L0008053	, L0008048 , L0008054	, L0008049 ,	, L0008050	, L0008051	,
L0008060	L0008055 , L0008061	, L0008056 , L0008062	, L0008057 ,	, L0008058	, L0008059	,
L0008068	L0008063 , L0008069	, L0008064 , L0008070	, L0008065 ,	, L0008066	, L0008067	,
L0008076	L0008071 , L0008077	, L0008072 , L0008078	, L0008073 ,	, L0008074	, L0008075	,
L0008084	L0008079 , L0008085	, L0008080 , L0008086	, L0008081 ,	, L0008082	, L0008083	,
L0008092	L0008087 , L0008093	, L0008088 , L0008094	, L0008089 ,	, L0008090	, L0008091	,

CO
 L0008100 , L0008095 , L0008096 , L0008097 , L0008098 , L0008099 ,
 , L0008101 , L0008102 , ,
 L0008108 , L0008103 , L0008104 , L0008105 , L0008106 , L0008107 ,
 , L0008109 , L0008110 , ,
 L0008116 , L0008111 , L0008112 , L0008113 , L0008114 , L0008115 ,
 , L0008117 , L0008118 , ,
 L0008119 , L0008120 , L0008121 , L0008122 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0007663 L0007666	2100516. L0007664	L0007659 , L0007660 , L0007661 , L0007662 , L0007665 ,
L0007672	L0007667 L0007673	L0007667 , L0007668 , L0007669 , L0007670 , L0007671 , L0007674 ,
L0007680	L0007675 L0007681	L0007675 , L0007676 , L0007677 , L0007678 , L0007679 , L0007682 ,
L0007688	L0007683 L0007689	L0007683 , L0007684 , L0007685 , L0007686 , L0007687 , L0007690 ,
L0007696	L0007691 L0007697	L0007691 , L0007692 , L0007693 , L0007694 , L0007695 , L0007698 ,
L0007704	L0007699 L0007705	L0007699 , L0007700 , L0007701 , L0007702 , L0007703 , L0007706 ,
L0007712	L0007707 L0007713	L0007707 , L0007708 , L0007709 , L0007710 , L0007711 , L0007714 ,

CO

L0007720 , L0007715 , L0007716 , L0007717 , L0007718 , L0007719 ,
, L0007721 , L0007722 , ,

L0007728 , L0007723 , L0007724 , L0007725 , L0007726 , L0007727 ,
, L0007729 , L0007730 , ,

L0007736 , L0007731 , L0007732 , L0007733 , L0007734 , L0007735 ,
, L0007737 , L0007738 , ,

L0007744 , L0007739 , L0007740 , L0007741 , L0007742 , L0007743 ,
, L0007745 , L0007746 , ,

L0007752 , L0007747 , L0007748 , L0007749 , L0007750 , L0007751 ,
, L0007753 , L0007754 , ,

L0007760 , L0007755 , L0007756 , L0007757 , L0007758 , L0007759 ,
, L0007761 , L0007762 , ,

L0007768 , L0007763 , L0007764 , L0007765 , L0007766 , L0007767 ,
, L0007769 , L0007770 , ,

L0007776 , L0007771 , L0007772 , L0007773 , L0007774 , L0007775 ,
, L0007777 , L0007778 , ,

L0007784 , L0007779 , L0007780 , L0007781 , L0007782 , L0007783 ,
, L0007785 , L0007786 , ,

L0007792 , L0007787 , L0007788 , L0007789 , L0007790 , L0007791 ,
, L0007793 , L0007794 , ,

L0007800 , L0007795 , L0007796 , L0007797 , L0007798 , L0007799 ,
, L0007801 , L0007802 , ,

L0007808 , L0007803 , L0007804 , L0007805 , L0007806 , L0007807 ,
, L0007809 , L0007810 , ,

L0007816 , L0007811 , L0007812 , L0007813 , L0007814 , L0007815 ,
, L0007817 , L0007818 , ,

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
Operational LST\PM25\PM25.isc *** 01/29/16
*** AERMET - VERSION 14134 ***
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**MODELOPTs: RegDEFAULT CONC PAGE 20
ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

CO

URBAN ID -----	URBAN POP -----	SOURCE IDs -----				
L0007824	L0007819 , L0007825	, L0007820 , L0007826	, L0007821 ,	, L0007822	, L0007823	,
L0007832	L0007827 , L0007833	, L0007828 , L0007834	, L0007829 ,	, L0007830	, L0007831	,
L0007840	L0007835 , L0007841	, L0007836 , L0007842	, L0007837 ,	, L0007838	, L0007839	,
L0007848	L0007843 , L0007849	, L0007844 , L0007850	, L0007845 ,	, L0007846	, L0007847	,
L0007856	L0007851 , L0007857	, L0007852 , L0007858	, L0007853 ,	, L0007854	, L0007855	,
L0007864	L0007859 , L0007865	, L0007860 , L0007866	, L0007861 ,	, L0007862	, L0007863	,
L0007872	L0007867 , L0007873	, L0007868 , L0007874	, L0007869 ,	, L0007870	, L0007871	,
L0007880	L0007875 , L0007881	, L0007876 , L0007882	, L0007877 ,	, L0007878	, L0007879	,
L0007884	PAREA1 , L0007885	, PAREA2 , L0007886	, AREA1 ,	, AREA2	, L0007883	,
L0007892	L0007887 , L0007893	, L0007888 , L0007894	, L0007889 ,	, L0007890	, L0007891	,
L0007900	L0007895 , L0007901	, L0007896 , L0007902	, L0007897 ,	, L0007898	, L0007899	,
L0007908	L0007903 , L0007909	, L0007904 , L0007910	, L0007905 ,	, L0007906	, L0007907	,
L0007916	L0007911 , L0007917	, L0007912 , L0007918	, L0007913 ,	, L0007914	, L0007915	,
L0007924	L0007919 , L0007925	, L0007920 , L0007926	, L0007921 ,	, L0007922	, L0007923	,

CO

L0007932 L0007927 , L0007928 , L0007929 , L0007930 , L0007931 ,
 , L0007933 , L0007934 ,

L0007940 L0007935 , L0007936 , L0007937 , L0007938 , L0007939 ,
 , L0007941 , L0007942 ,

L0007948 L0007943 , L0007944 , L0007945 , L0007946 , L0007947 ,
 , L0007949 , L0007950 ,

L0007956 L0007951 , L0007952 , L0007953 , L0007954 , L0007955 ,
 , L0007957 , L0007958 ,

L0007964 L0007959 , L0007960 , L0007961 , L0007962 , L0007963 ,
 , L0007965 , L0007966 ,

L0007972 L0007967 , L0007968 , L0007969 , L0007970 , L0007971 ,
 , L0007973 , L0007974 ,

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
 Operational LST\PM25\PM25.isc *** 01/29/16
 *** AERMET - VERSION 14134 *** ***
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**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0007980	L0007975 , L0007981	L0007976 , L0007977 , L0007978 , L0007979
L0007988	L0007983 , L0007989	L0007984 , L0007985 , L0007986 , L0007987
L0007996	L0007991 , L0007997	L0007992 , L0007993 , L0007994 , L0007995
L0008004	L0007999 , L0008005	L0008000 , L0008001 , L0008002 , L0008003
L0008012	L0008007 , L0008013	L0008008 , L0008009 , L0008010 , L0008011

CO

L0008020 L0008015 , L0008016 , L0008017 , L0008018 , L0008019 ,
 , L0008021 , L0008022 ,

L0008028 L0008023 , L0008024 , L0008025 , L0008026 , L0008027 ,
 , L0008029 , L0008030 ,

L0008036 L0008031 , L0008032 , L0008033 , L0008034 , L0008035 ,
 , L0008037 , L0008038 ,

L0008044 L0008039 , L0008040 , L0008041 , L0008042 , L0008043 ,
 , L0008045 , L0008046 ,

L0008052 L0008047 , L0008048 , L0008049 , L0008050 , L0008051 ,
 , L0008053 , L0008054 ,

L0008060 L0008055 , L0008056 , L0008057 , L0008058 , L0008059 ,
 , L0008061 , L0008062 ,

L0008068 L0008063 , L0008064 , L0008065 , L0008066 , L0008067 ,
 , L0008069 , L0008070 ,

L0008076 L0008071 , L0008072 , L0008073 , L0008074 , L0008075 ,
 , L0008077 , L0008078 ,

L0008084 L0008079 , L0008080 , L0008081 , L0008082 , L0008083 ,
 , L0008085 , L0008086 ,

L0008092 L0008087 , L0008088 , L0008089 , L0008090 , L0008091 ,
 , L0008093 , L0008094 ,

L0008100 L0008095 , L0008096 , L0008097 , L0008098 , L0008099 ,
 , L0008101 , L0008102 ,

L0008108 L0008103 , L0008104 , L0008105 , L0008106 , L0008107 ,
 , L0008109 , L0008110 ,

L0008116 L0008111 , L0008112 , L0008113 , L0008114 , L0008115 ,
 , L0008117 , L0008118 ,

L0008119 , L0008120 , L0008121 , L0008122 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\KnoxBP\KnoxBP
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 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

CO

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

(474747.9, 3745949.7, 510.2, 517.0, 0.0); (474784.6,
3745949.7, 504.4, 521.0, 0.0);
(474821.2, 3745949.7, 500.6, 523.0, 0.0); (474857.9,
3745949.7, 499.4, 517.0, 0.0);
(474894.6, 3745949.7, 498.2, 498.2, 0.0); (474931.2,
3745949.7, 496.0, 496.0, 0.0);
(474967.9, 3745949.7, 494.7, 494.7, 0.0); (475004.6,
3745949.7, 493.0, 493.0, 0.0);
(475041.3, 3745949.7, 489.9, 489.9, 0.0); (475077.9,
3745949.7, 487.2, 487.2, 0.0);
(475114.6, 3745949.7, 486.9, 486.9, 0.0); (475151.3,
3745949.7, 486.4, 486.4, 0.0);
(475187.9, 3745949.7, 486.4, 486.4, 0.0); (475224.6,
3745949.7, 483.6, 483.6, 0.0);
(475261.3, 3745949.7, 482.0, 482.0, 0.0); (475298.0,
3745949.7, 480.7, 480.7, 0.0);
(475334.6, 3745949.7, 479.5, 479.5, 0.0); (475371.3,
3745949.7, 478.3, 478.3, 0.0);
(475408.0, 3745949.7, 478.0, 478.0, 0.0); (475444.6,
3745949.7, 476.0, 476.0, 0.0);
(475481.3, 3745949.7, 475.6, 475.6, 0.0); (474747.9,
3745959.5, 510.2, 517.0, 0.0);
(474784.6, 3745959.5, 504.1, 523.0, 0.0); (474821.2,
3745959.5, 500.3, 523.0, 0.0);
(474857.9, 3745959.5, 498.9, 519.0, 0.0); (474894.6,
3745959.5, 497.5, 497.5, 0.0);
(474931.2, 3745959.5, 495.6, 495.6, 0.0); (474967.9,
3745959.5, 494.4, 494.4, 0.0);
(475004.6, 3745959.5, 492.7, 492.7, 0.0); (475041.3,
3745959.5, 489.8, 489.8, 0.0);
(475077.9, 3745959.5, 487.4, 487.4, 0.0); (475114.6,
3745959.5, 486.9, 486.9, 0.0);
(475151.3, 3745959.5, 486.9, 486.9, 0.0); (475187.9,
3745959.5, 486.5, 486.5, 0.0);
(475224.6, 3745959.5, 483.8, 483.8, 0.0); (475261.3,
3745959.5, 482.3, 482.3, 0.0);
(475298.0, 3745959.5, 481.1, 481.1, 0.0); (475334.6,
3745959.5, 479.8, 479.8, 0.0);
(475371.3, 3745959.5, 478.6, 478.6, 0.0); (475408.0,
3745959.5, 478.0, 478.0, 0.0);
(475444.6, 3745959.5, 476.3, 476.3, 0.0); (475481.3,
3745959.5, 475.6, 475.6, 0.0);
(475854.1, 3746316.7, 466.2, 466.2, 0.0); (475863.3,
3746274.2, 466.2, 466.2, 0.0);

CO

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,

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

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

Surface file: ..\..\SRA24_Met Data\peri8.sfc Met Version: 14134 Profile file: ..\..\SRA24_Met Data\peri8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3190 Upper air station no.: 3190 Name: UNKNOWN Name: UNKNOWN Year: 2007 Year: 2007

Table with 14 columns: YR, MO, DY, JDY, HR, H0, U*, W*, DT/DZ, ZICNV, ZIMCH, M-O, LEN, Z0, BOWEN. It contains 5 rows of meteorological data for the first 24 hours of scalar data.

CO													
07	01	01	1	05	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00
1.00		0.50		282.	9.1	278.8	5.5						
07	01	01	1	06	-0.6	0.026	-9.000	-9.000	-999.	10.	2.6	0.19	1.00
1.00		0.50		96.	9.1	277.5	5.5						
07	01	01	1	07	-0.5	0.026	-9.000	-9.000	-999.	10.	3.0	0.19	1.00
1.00		0.50		129.	9.1	278.1	5.5						
07	01	01	1	08	-0.4	0.026	-9.000	-9.000	-999.	10.	3.7	0.19	1.00
0.54		0.50		99.	9.1	277.5	5.5						
07	01	01	1	09	27.8	0.091	0.542	0.005	196.	66.	-2.3	0.19	1.00
0.33		0.50		133.	9.1	278.1	5.5						
07	01	01	1	10	76.9	0.104	1.050	0.005	516.	81.	-1.3	0.19	1.00
0.26		0.50		174.	9.1	281.4	5.5						
07	01	01	1	11	110.0	0.109	1.374	0.009	810.	87.	-1.0	0.19	1.00
0.23		0.50		95.	9.1	284.9	5.5						
07	01	01	1	12	125.7	0.201	1.589	0.018	1095.	216.	-5.5	0.19	1.00
0.22		1.30		94.	9.1	288.1	5.5						
07	01	01	1	13	121.7	0.287	1.641	0.022	1248.	369.	-16.6	0.19	1.00
0.22		2.20		24.	9.1	291.4	5.5						
07	01	01	1	14	102.8	0.414	1.559	0.021	1265.	639.	-59.1	0.19	1.00
0.23		3.60		13.	9.1	292.5	5.5						
07	01	01	1	15	69.9	0.619	1.374	0.021	1276.	1169.	-291.2	0.19	1.00
0.27		5.80		318.	9.1	292.0	5.5						
07	01	01	1	16	16.8	0.607	0.856	0.021	1277.	1135.	-1137.8	0.19	1.00
0.36		5.80		329.	9.1	291.4	5.5						
07	01	01	1	17	-42.2	0.437	-9.000	-9.000	-999.	720.	169.3	0.19	1.00
0.64		4.50		333.	9.1	289.9	5.5						
07	01	01	1	18	-18.5	0.353	-9.000	-9.000	-999.	510.	204.1	0.19	1.00
1.00		3.60		305.	9.1	288.8	5.5						
07	01	01	1	19	-42.3	0.437	-9.000	-9.000	-999.	692.	168.7	0.19	1.00
1.00		4.50		276.	9.1	287.5	5.5						
07	01	01	1	20	-32.3	0.334	-9.000	-9.000	-999.	470.	98.6	0.19	1.00
1.00		3.60		323.	9.1	287.5	5.5						
07	01	01	1	21	-36.7	0.380	-9.000	-9.000	-999.	562.	128.3	0.19	1.00
1.00		4.00		322.	9.1	288.1	5.5						
07	01	01	1	22	-45.6	0.434	-9.000	-9.000	-999.	685.	153.6	0.19	1.00
1.00		4.50		30.	9.1	288.1	5.5						
07	01	01	1	23	-39.7	0.377	-9.000	-9.000	-999.	557.	115.4	0.19	1.00
1.00		4.00		343.	9.1	287.0	5.5						
07	01	01	1	24	-7.7	0.093	-9.000	-9.000	-999.	215.	9.1	0.19	1.00
1.00		1.80		155.	9.1	283.8	5.5						

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
07	01	01	01	5.5	0	-999.	-99.00	279.9	99.0	-99.00	-99.00
07	01	01	01	9.1	1	133.	0.50	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

CO
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 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0007659 , L0007660
 , L0007661 , L0007662 , L0007663 ,
 L0007664 , L0007665 , L0007666 , L0007667 , L0007668
 , L0007669 , L0007670 , L0007671 ,
 L0007672 , L0007673 , L0007674 , L0007675 , L0007676
 , L0007677 , L0007678 , L0007679 ,
 L0007680 , L0007681 , L0007682 , L0007683 , L0007684
 , L0007685 , L0007686 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_2.5 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
474747.90	3745949.70	0.18174	(07110624)	474784.57
3745949.70	0.27643	(08032324)		
474821.24	3745949.70	0.41304	(09050424)	474857.91
3745949.70	0.32761	(09050424)		
474894.58	3745949.70	0.21566	(07051124)	474931.25
3745949.70	0.22598	(07120924)		
474967.92	3745949.70	0.26947	(07061824)	475004.59
3745949.70	0.35402	(08032324)		
475041.26	3745949.70	0.46363	(09050424)	475077.93
3745949.70	0.43069	(09050424)		
475114.60	3745949.70	0.39192	(07122924)	475151.27
3745949.70	0.54166	(09050424)		
475187.94	3745949.70	0.46575	(09050424)	475224.61
3745949.70	0.30141	(09121024)		
475261.28	3745949.70	0.25780	(07112624)	475297.95
3745949.70	0.23651	(07112624)		
475334.62	3745949.70	0.23448	(07112624)	475371.29
3745949.70	0.29292	(07110624)		
475407.96	3745949.70	0.42266	(09050424)	475444.63

CO

3745949.70	0.53259	(09050424)		
475481.30	3745949.70	0.32073	(09050424)	474747.90
3745959.54	0.19399	(07110624)		
474784.57	3745959.54	0.31291	(08032324)	474821.24
3745959.54	0.47825	(09050424)		
474857.91	3745959.54	0.33804	(09050424)	474894.58
3745959.54	0.22366	(07051124)		
474931.25	3745959.54	0.22962	(07051124)	474967.92
3745959.54	0.28718	(07061824)		
475004.59	3745959.54	0.39785	(08032324)	475041.26
3745959.54	0.54668	(09050424)		
475077.93	3745959.54	0.45691	(09050424)	475114.60
3745959.54	0.43130	(07122924)		
475151.27	3745959.54	0.62124	(09050424)	475187.94
3745959.54	0.49427	(09050424)		
475224.61	3745959.54	0.30906	(07112624)	475261.28
3745959.54	0.26600	(07112624)		
475297.95	3745959.54	0.23997	(07112624)	475334.62
3745959.54	0.23774	(07112624)		
475371.29	3745959.54	0.33589	(07110624)	475407.96
3745959.54	0.51303	(09050424)		
475444.63	3745959.54	0.61263	(09050424)	475481.30
3745959.54	0.32736	(07101424)		
475854.15	3746316.72	0.04942	(09082524)	475863.29
3746274.18	0.05089	(09082524)		
474664.93	3746299.89	0.23422	(07021324)	474662.05
3746153.15	0.21889	(07122824)		
474663.49	3746227.96	0.25368	(07122824)	474771.38
3745956.06	0.25893	(08032324)		
474870.65	3745958.94	0.27031	(09050424)	474997.25
3745954.62	0.35280	(07110624)		
475493.57	3746291.26	0.22140m	(10020924)	475487.82
3746194.87	0.34706	(09112024)		
475489.25	3746118.62	0.36973	(08020224)	475487.82
3746026.55	0.37800	(07110824)		
475487.82	3745983.39	0.33969	(07110824)	475983.57
3745850.62	0.05122	(07102724)		
475666.25	3746386.09	0.08355m	(09021024)	475458.03
3746392.70	0.14863m	(10020924)		
475552.78	3746390.49	0.11483m	(09021024)	475922.95
3746380.58	0.03907	(09111524)		
475680.57	3746815.75	0.04657	(08122224)	475845.83
3746556.85	0.04454	(09113024)		
475854.15	3746316.72	0.04942	(09082524)	475863.29
3746274.18	0.05089	(09082524)		

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CO
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**MODELOPTs: RegDEFAULT CONC PAGE 26
ELEV URBAN

*** THE SUMMARY OF HIGHEST 24-HR

RESULTS ***

** CONC OF PM_{2.5} IN MICROGRAMS/M**3
**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
ALL HIGH 1ST HIGH VALUE IS 3745959.54, 486.89, 486.89,	0.62124 0.00)	DC	ON 09050424: AT (475151.27,	

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

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**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 1895 Informational Message(s)
A Total of 43824 Hours Were Processed
A Total of 90 Calm Hours Identified
A Total of 1805 Missing Hours Identified (4.12 Percent)

CO

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

***** WARNING MESSAGES *****
ME W531 1294 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for
SURFDATA

*** AERMOD Finishes Successfully ***
