

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/15/2016 Time: 4:58:14 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_CO_1_FIRST.DTA

Output File - F:\premier\model\PREMIER_CO_1_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Carbon Monoxide (CO) / Minimum Speed Scenario *** 16:58:18
PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT 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 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_CO_1_FIRST.DTA

**Output Print File: PREMIER_CO_1_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_CO_1_FIRST.SUM

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Minimum Speed Scenario *** 16:58:18
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	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	EMISSION RATE VARY BY
N_M_1	0	0.72700E-01	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	0	0.72700E-01	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	0	0.72700E-01	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	0	0.72700E-01	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	0	0.72700E-01	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	0	0.72700E-01	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	0	0.72700E-01	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	0	0.72700E-01	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	0	0.72700E-01	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	0	0.72700E-01	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	0	0.72700E-01	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	0	0.72700E-01	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	0	0.72700E-01	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	0	0.73700E-01	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	0	0.73700E-01	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	0	0.73700E-01	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	0	0.73700E-01	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	0	0.73700E-01	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	0	0.73700E-01	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	0	0.73700E-01	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	0	0.73700E-01	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	0	0.73700E-01	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	0	0.73700E-01	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	0	0.73700E-01	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	0	0.73700E-01	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	0	0.15500E-02	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	0	0.15500E-02	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	0	0.15500E-02	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	0	0.15500E-02	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	0	0.15500E-02	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	0	0.15500E-02	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	0	0.15500E-02	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	0	0.15500E-02	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	0	0.15500E-02	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	0	0.15500E-02	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	0	0.15500E-02	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	0	0.15500E-02	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	0	0.15500E-02	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	0	0.15500E-02	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	0	0.15500E-02	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier

*** 03/15/16

*** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Minimum Speed Scenario

*** 16:58:18

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	SY (METERS)	SZ (METERS)	URBAN SOURCE SCALAR VARY BY
S_ON_V_16	0	0.15500E-02	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES
S_ON_V_17	0	0.15500E-02	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES
S_ON_V_18	0	0.15500E-02	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES
S_ON_V_19	0	0.15500E-02	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES
S_ON_V_20	0	0.15500E-02	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES
S_ON_V_21	0	0.15500E-02	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES
N_OFF_O_1	0	0.60700E-02	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES
N_OFF_O_2	0	0.60700E-02	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_3	0	0.60700E-02	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES
N_OFF_O_4	0	0.60700E-02	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_5	0	0.60700E-02	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES
N_OFF_O_6	0	0.60700E-02	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_7	0	0.60700E-02	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_8	0	0.60700E-02	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_9	0	0.60700E-02	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES
N_OFF_O_10	0	0.60700E-02	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES
S_OFF_V_1	0	0.82100E-03	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_2	0	0.82100E-03	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_3	0	0.82100E-03	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_4	0	0.82100E-03	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_5	0	0.82100E-03	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES
S_OFF_V_6	0	0.82100E-03	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES

S_OFF_V_7	0	0.82100E-03	379224.0	3782697.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_8	0	0.82100E-03	379228.8	3782692.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_9	0	0.82100E-03	379233.8	3782688.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_10	0	0.82100E-03	379238.7	3782683.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_11	0	0.82100E-03	379243.5	3782679.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_12	0	0.82100E-03	379248.1	3782674.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_13	0	0.82100E-03	379252.5	3782668.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_14	0	0.82100E-03	379256.8	3782663.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_15	0	0.82100E-03	379261.9	3782659.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_16	0	0.82100E-03	379266.5	3782655.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_17	0	0.82100E-03	379272.1	3782650.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_18	0	0.82100E-03	379277.3	3782646.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_19	0	0.82100E-03	379282.6	3782642.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_20	0	0.82100E-03	379288.0	3782638.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_21	0	0.82100E-03	379293.4	3782634.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_22	0	0.82100E-03	379299.1	3782631.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_23	0	0.82100E-03	379304.1	3782626.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_24	0	0.82100E-03	379308.8	3782621.4	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** ** Carbon Monoxide (CO) / Minimum Speed Scenario *** 16:58:18
 PAGE 4
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
-----------	-------------	---------------------------	------------	------------	---------------------	-------------------------	-------------------	-------------------	-----------------------------

S_OFF_V_25	0	0.82100E-03	379311.3	3782615.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_26	0	0.82100E-03	379308.1	3782609.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_27	0	0.82100E-03	379304.1	3782604.0	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** ** Carbon Monoxide (CO) / Minimum Speed Scenario *** 16:58:18
 PAGE 5
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 , S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 , S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 , N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 , S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Minimum Speed Scenario *** 16:58:18
PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Minimum Speed Scenario *** 16:58:18
PAGE 7

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5); (379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5); (379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5); (379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5); (379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5); (379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5); (379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5); (379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5); (379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5); (379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5); (379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5); (379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5); (379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY JDY HR HO U* W* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALBEDO REF WS WD HT REF TA HT

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	ZO	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.56	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	21.7	-9.000	-9.000	-9.000	53.	-999.	-999999.0	0.53	1.00	0.33	999.00	999.	-9.0	282.5	5.5			
08	01	01	1	10	70.5	-9.000	-9.000	-9.000	144.	-999.	-999999.0	0.53	1.00	0.25	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	11	105.7	-9.000	-9.000	-9.000	340.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	12	124.1	-9.000	-9.000	-9.000	559.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	13	124.3	-9.000	-9.000	-9.000	709.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	297.0	5.5			
08	01	01	1	14	104.3	-9.000	-9.000	-9.000	755.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	15	68.8	-9.000	-9.000	-9.000	786.	-999.	-999999.0	0.53	1.00	0.26	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	16	19.1	-9.000	-9.000	-9.000	792.	-999.	-999999.0	0.53	1.00	0.34	999.00	999.	-9.0	292.0	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.61	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Minimum Speed Scenario *** 16:58:18
 PAGE 10
 **MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
 N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
 S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
 S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

379544.00	3782628.00	102.42801 (10093024)	379534.00	3782638.00	102.75266 (10121916)
379544.00	3782638.00	100.11936 (10121916)	379554.00	3782638.00	98.18458 (10092720)
379524.00	3782648.00	104.61336 (10121916)	379534.00	3782648.00	101.42117 (10121916)
379544.00	3782648.00	98.35319 (10121916)	379554.00	3782648.00	95.35621 (10121916)
379564.00	3782648.00	93.33810 (10092720)	379514.00	3782658.00	107.63361 (10121916)
379524.00	3782658.00	103.73950 (10121916)	379534.00	3782658.00	100.03185 (10121916)
379544.00	3782658.00	96.59575 (10121916)	379554.00	3782658.00	93.37721 (10121916)
379564.00	3782658.00	90.28289 (10121916)	379574.00	3782658.00	87.93393 (10092701)
379504.00	3782668.00	111.07867 (10121916)	379514.00	3782668.00	106.97932 (10121916)
379524.00	3782668.00	102.70351 (10121916)	379534.00	3782668.00	98.62725 (10121916)
379544.00	3782668.00	94.89099 (10121916)	379554.00	3782668.00	91.47366 (10121916)
379564.00	3782668.00	88.28390 (10121916)	379574.00	3782668.00	85.22164 (10121916)
379584.00	3782668.00	84.29835 (10100819)	379494.00	3782678.00	113.60468 (10121916)
379504.00	3782678.00	110.15245 (10121916)	379514.00	3782678.00	105.95175 (10121916)
379524.00	3782678.00	101.50899 (10121916)	379534.00	3782678.00	97.21174 (10121916)
379544.00	3782678.00	93.25543 (10121916)	379554.00	3782678.00	89.66901 (10121916)
379564.00	3782678.00	86.38509 (10121916)	379574.00	3782678.00	83.30421 (10121916)
379584.00	3782678.00	81.52996 (10010817)	379594.00	3782678.00	80.91706 (10010817)
379484.00	3782688.00	114.46448 (10121916)	379494.00	3782688.00	112.09993 (10121916)
379504.00	3782688.00	108.70300 (10121916)	379514.00	3782688.00	104.58406 (10121916)
379524.00	3782688.00	100.15187 (10121916)	379534.00	3782688.00	95.77483 (10121916)
379544.00	3782688.00	91.68715 (10121916)	379554.00	3782688.00	87.97167 (10121916)
379564.00	3782688.00	84.60020 (10121916)	379574.00	3782688.00	81.49037 (10121916)
379584.00	3782688.00	78.84112 (10052921)	379484.00	3782698.00	112.47872 (10121916)
379494.00	3782698.00	110.08882 (10121916)	379504.00	3782698.00	106.84505 (10121916)
379514.00	3782698.00	102.92568 (10121916)	379524.00	3782698.00	98.63543 (10121916)
379534.00	3782698.00	94.30070 (10121916)	379544.00	3782698.00	90.17169 (10121916)
379554.00	3782698.00	86.37724 (10121916)	379564.00	3782698.00	82.93524 (10121916)
379574.00	3782698.00	79.79204 (10121916)	379494.00	3782708.00	107.72950 (10121916)
379504.00	3782708.00	104.68602 (10121916)	379514.00	3782708.00	101.03086 (10121916)
379524.00	3782708.00	96.97118 (10121916)	379534.00	3782708.00	92.77591 (10121916)
379544.00	3782708.00	88.68961 (10121916)	379554.00	3782708.00	84.87276 (10121916)
379564.00	3782708.00	81.38635 (10121916)	379504.00	3782718.00	102.31815 (10121916)
379514.00	3782718.00	98.95468 (10121916)	379524.00	3782718.00	95.17656 (10121916)
379534.00	3782718.00	91.19082 (10121916)	379544.00	3782718.00	87.21953 (10121916)
379554.00	3782718.00	83.43750 (10121916)	379514.00	3782728.00	96.74587 (10121916)
379524.00	3782728.00	93.27273 (10121916)	379534.00	3782728.00	89.54232 (10121916)
379544.00	3782728.00	85.74321 (10121916)	379524.00	3782738.00	91.28371 (10121916)
379534.00	3782738.00	87.83334 (10121916)			

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Minimum Speed Scenario *** 16:58:18

PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 114.46448 ON 10121916: AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC

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

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 662 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 3 Calm Hours Identified

A Total of 348 Missing Hours Identified (3.97 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/15/2016 Time: 5:05:09 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_CO_8_FIRST.DTA

Output File - F:\premier\model\PREMIER_CO_8_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Average Speed Scenario *** 17:05:10
PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT 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 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 8-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_CO_8_FIRST.DTA

**Output Print File: PREMIER_CO_8_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_CO_8_FIRST.SUM

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Average Speed Scenario *** 17:05:10
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION SCALAR	EMISSION VARY BY
N_M_1	0	0.42800E-01	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	0	0.42800E-01	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	0	0.42800E-01	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	0	0.42800E-01	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	0	0.42800E-01	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	0	0.42800E-01	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	0	0.42800E-01	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	0	0.42800E-01	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	0	0.42800E-01	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	0	0.42800E-01	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	0	0.42800E-01	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	0	0.42800E-01	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	0	0.42800E-01	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	0	0.44000E-01	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	0	0.44000E-01	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	0	0.44000E-01	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	0	0.44000E-01	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	0	0.44000E-01	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	0	0.44000E-01	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	0	0.44000E-01	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	0	0.44000E-01	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	0	0.44000E-01	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	0	0.44000E-01	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	0	0.44000E-01	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	0	0.44000E-01	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	0	0.15500E-02	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	0	0.15500E-02	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	0	0.15500E-02	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	0	0.15500E-02	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	0	0.15500E-02	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	0	0.15500E-02	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	0	0.15500E-02	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	0	0.15500E-02	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	0	0.15500E-02	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	0	0.15500E-02	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	0	0.15500E-02	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	0	0.15500E-02	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	0	0.15500E-02	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	0	0.15500E-02	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	0	0.15500E-02	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier

03/15/16

*** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Average Speed Scenario

17:05:10

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	SY (METERS)	SZ (METERS)	URBAN SOURCE SCALAR VARY BY
S_ON_V_16	0	0.15500E-02	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES
S_ON_V_17	0	0.15500E-02	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES
S_ON_V_18	0	0.15500E-02	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES
S_ON_V_19	0	0.15500E-02	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES
S_ON_V_20	0	0.15500E-02	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES
S_ON_V_21	0	0.15500E-02	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES
N_OFF_O_1	0	0.60700E-02	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES
N_OFF_O_2	0	0.60700E-02	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_3	0	0.60700E-02	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES
N_OFF_O_4	0	0.60700E-02	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_5	0	0.60700E-02	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES
N_OFF_O_6	0	0.60700E-02	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_7	0	0.60700E-02	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_8	0	0.60700E-02	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_9	0	0.60700E-02	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES
N_OFF_O_10	0	0.60700E-02	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES
S_OFF_V_1	0	0.82100E-03	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_2	0	0.82100E-03	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_3	0	0.82100E-03	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_4	0	0.82100E-03	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_5	0	0.82100E-03	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES
S_OFF_V_6	0	0.82100E-03	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES

S_OFF_V_7 0 0.82100E-03 379224.0 3782697.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_8 0 0.82100E-03 379228.8 3782692.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_9 0 0.82100E-03 379233.8 3782688.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_10 0 0.82100E-03 379238.7 3782683.8 175.0 0.00 3.12 2.18 YES
 S_OFF_V_11 0 0.82100E-03 379243.5 3782679.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_12 0 0.82100E-03 379248.1 3782674.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_13 0 0.82100E-03 379252.5 3782668.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_14 0 0.82100E-03 379256.8 3782663.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_15 0 0.82100E-03 379261.9 3782659.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_16 0 0.82100E-03 379266.5 3782655.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_17 0 0.82100E-03 379272.1 3782650.4 175.0 0.00 3.12 2.18 YES
 S_OFF_V_18 0 0.82100E-03 379277.3 3782646.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_19 0 0.82100E-03 379282.6 3782642.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_20 0 0.82100E-03 379288.0 3782638.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_21 0 0.82100E-03 379293.4 3782634.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_22 0 0.82100E-03 379299.1 3782631.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_23 0 0.82100E-03 379304.1 3782626.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_24 0 0.82100E-03 379308.8 3782621.4 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** ** Carbon Monoxide (CO) / Average Speed Scenario *** 17:05:10
 PAGE 4
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE RELEASE (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE	EMMISSION RATE SCALAR	VARY BY
-----------	-------------	----------------------------	------------	------------	-----------------------	-----------------------	-------------------	-------------------	---------------------	-----------------------	---------

S_OFF_V_25 0 0.82100E-03 379311.3 3782615.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_26 0 0.82100E-03 379308.1 3782609.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_27 0 0.82100E-03 379304.1 3782604.0 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** ** Carbon Monoxide (CO) / Average Speed Scenario *** 17:05:10
 PAGE 5
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 , S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 , S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 , N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 , S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Carbon Monoxide (CO) / Average Speed Scenario *** 17:05:10
PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Carbon Monoxide (CO) / Average Speed Scenario *** 17:05:10
PAGE 7

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5); (379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5); (379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5); (379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5); (379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5); (379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5); (379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5); (379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5); (379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5); (379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5); (379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5); (379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5); (379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY JDY HR HO U* W* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALBEDO REF WS WD HT REF TA HT

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	ZO	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.56	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	21.7	-9.000	-9.000	-9.000	53.	-999.	-999999.0	0.53	1.00	0.33	999.00	999.	-9.0	282.5	5.5			
08	01	01	1	10	70.5	-9.000	-9.000	-9.000	144.	-999.	-999999.0	0.53	1.00	0.25	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	11	105.7	-9.000	-9.000	-9.000	340.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	12	124.1	-9.000	-9.000	-9.000	559.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	13	124.3	-9.000	-9.000	-9.000	709.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	297.0	5.5			
08	01	01	1	14	104.3	-9.000	-9.000	-9.000	755.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	15	68.8	-9.000	-9.000	-9.000	786.	-999.	-999999.0	0.53	1.00	0.26	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	16	19.1	-9.000	-9.000	-9.000	792.	-999.	-999999.0	0.53	1.00	0.34	999.00	999.	-9.0	292.0	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.61	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Average Speed Scenario *** 17:05:10

PAGE 10

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

379544.00	3782628.00	56.78588	(08021708)	379534.00	3782638.00	57.74690	(08021708)
379544.00	3782638.00	54.82758	(08021708)	379554.00	3782638.00	52.07652	(08021708)
379524.00	3782648.00	58.54782	(08021708)	379534.00	3782648.00	55.64283	(08021708)
379544.00	3782648.00	52.89709	(08021708)	379554.00	3782648.00	50.30830	(08021708)
379564.00	3782648.00	47.87123	(08021708)	379514.00	3782658.00	59.17197	(08021708)
379524.00	3782658.00	56.30102	(08021708)	379534.00	3782658.00	53.57829	(08021708)
379544.00	3782658.00	51.00352	(08021708)	379554.00	3782658.00	48.57335	(08021708)
379564.00	3782658.00	46.28241	(08021708)	379574.00	3782658.00	44.12422	(08021708)
379504.00	3782668.00	59.60610	(08021708)	379514.00	3782668.00	56.78883	(08021708)
379524.00	3782668.00	54.10716	(08021708)	379534.00	3782668.00	51.56275	(08021708)
379544.00	3782668.00	49.15404	(08021708)	379554.00	3782668.00	46.87728	(08021708)
379564.00	3782668.00	44.72737	(08021708)	379574.00	3782668.00	42.69838	(08021708)
379584.00	3782668.00	40.78412	(08021808)	379494.00	3782678.00	59.84135	(08021708)
379504.00	3782678.00	57.09640	(08021708)	379514.00	3782678.00	54.47341	(08021708)
379524.00	3782678.00	51.97567	(08021708)	379534.00	3782678.00	49.60330	(08021708)
379544.00	3782678.00	47.35413	(08021708)	379554.00	3782678.00	45.22449	(08021708)
379564.00	3782678.00	43.20972	(08021708)	379574.00	3782678.00	41.30466	(08021808)
379584.00	3782678.00	39.50370	(08021808)	379594.00	3782678.00	37.80120	(08021808)
379484.00	3782688.00	59.87376	(08021708)	379494.00	3782688.00	57.21799	(08021708)
379504.00	3782688.00	54.67008	(08021708)	379514.00	3782688.00	52.23462	(08021708)
379524.00	3782688.00	49.91314	(08021708)	379534.00	3782688.00	47.70495	(08021708)
379544.00	3782688.00	45.60779	(08021708)	379554.00	3782688.00	43.61826	(08021708)
379564.00	3782688.00	41.73233	(08021808)	379574.00	3782688.00	39.94540	(08021808)
379584.00	3782688.00	38.25265	(08021808)	379484.00	3782698.00	57.15215	(08021708)
379494.00	3782698.00	54.69393	(08021708)	379504.00	3782698.00	52.33501	(08021708)
379514.00	3782698.00	50.07810	(08021708)	379524.00	3782698.00	47.92379	(08021708)
379534.00	3782698.00	45.87107	(08021708)	379544.00	3782698.00	43.91778	(08021708)
379554.00	3782698.00	42.06102	(08021808)	379564.00	3782698.00	40.29723	(08021808)
379574.00	3782698.00	38.62247	(08021808)	379494.00	3782708.00	52.27556	(08021708)
379504.00	3782708.00	50.09555	(08021708)	379514.00	3782708.00	48.00700	(08021708)
379524.00	3782708.00	46.01002	(08021708)	379534.00	3782708.00	44.10359	(08021708)
379544.00	3782708.00	42.28585	(08021808)	379554.00	3782708.00	40.55428	(08021808)
379564.00	3782708.00	38.90582	(08021808)	379504.00	3782718.00	47.95345	(08021708)
379514.00	3782718.00	46.02252	(08021708)	379524.00	3782718.00	44.17281	(08021708)
379534.00	3782718.00	42.40344	(08021808)	379544.00	3782718.00	40.71284	(08021808)
379554.00	3782718.00	39.09883	(08021808)	379514.00	3782728.00	44.12445	(08021708)
379524.00	3782728.00	42.41205	(08021808)	379534.00	3782728.00	40.77061	(08021808)
379544.00	3782728.00	39.19881	(08021808)	379524.00	3782738.00	40.72677	(08021808)
379534.00	3782738.00	39.20434	(08021808)				

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Carbon Monoxide (CO) / Average Speed Scenario *** 17:05:10
 PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 59.87376 ON 08021708: AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 238 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 4 Calm Hours Identified

A Total of 234 Missing Hours Identified (2.66 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/14/2016 Time: 5:49:37 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_DPM_CHRONIC_FIRST.DTA

Output File - F:\premier\model\PREMIER_DPM_CHRONIC_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40

PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 97 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates ANNUAL Averages Only

**This Run Includes: 97 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 97 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 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_DPM_CHRONIC_FIRST.DTA

**Output Print File: PREMIER_DPM_CHRONIC_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_DPM_CHRONIC_FIRST.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	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	EMISSION RATE VARY BY
N_M_1	2	0.65500E-04	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	2	0.65500E-04	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	2	0.65500E-04	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	2	0.65500E-04	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	2	0.65500E-04	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	2	0.65500E-04	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	2	0.65500E-04	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	2	0.65500E-04	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	2	0.65500E-04	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	2	0.65500E-04	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	2	0.65500E-04	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	2	0.65500E-04	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	2	0.65500E-04	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	2	0.67200E-04	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	2	0.67200E-04	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	2	0.67200E-04	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	2	0.67200E-04	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	2	0.67200E-04	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	2	0.67200E-04	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	2	0.67200E-04	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	2	0.67200E-04	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	2	0.67200E-04	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	2	0.67200E-04	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	2	0.67200E-04	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	2	0.67200E-04	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	2	0.22500E-05	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	2	0.22500E-05	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	2	0.22500E-05	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	2	0.22500E-05	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	2	0.22500E-05	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	2	0.22500E-05	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	2	0.22500E-05	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	2	0.22500E-05	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	2	0.22500E-05	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	2	0.22500E-05	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	2	0.22500E-05	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	2	0.22500E-05	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	2	0.22500E-05	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	2	0.22500E-05	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	2	0.22500E-05	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

☐ *** AERMOD - VERSION 15181 *** Premier

03/14/16

*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario

17:49:40

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	SY (METERS)	SZ (METERS)	URBAN SOURCE SCALAR VARY BY
S_ON_V_16	2	0.22500E-05	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES
S_ON_V_17	2	0.22500E-05	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES
S_ON_V_18	2	0.22500E-05	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES
S_ON_V_19	2	0.22500E-05	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES
S_ON_V_20	2	0.22500E-05	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES
S_ON_V_21	2	0.22500E-05	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES
N_OFF_O_1	2	0.86600E-05	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES
N_OFF_O_2	2	0.86600E-05	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_3	2	0.86600E-05	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES
N_OFF_O_4	2	0.86600E-05	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_5	2	0.86600E-05	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES
N_OFF_O_6	2	0.86600E-05	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_7	2	0.86600E-05	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_8	2	0.86600E-05	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_9	2	0.86600E-05	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES
N_OFF_O_10	2	0.86600E-05	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES
S_OFF_V_1	2	0.12100E-05	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_2	2	0.12100E-05	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_3	2	0.12100E-05	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_4	2	0.12100E-05	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_5	2	0.12100E-05	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES
S_OFF_V_6	2	0.12100E-05	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES

S_OFF_V_7 2 0.12100E-05 379224.0 3782697.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_8 2 0.12100E-05 379228.8 3782692.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_9 2 0.12100E-05 379233.8 3782688.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_10 2 0.12100E-05 379238.7 3782683.8 175.0 0.00 3.12 2.18 YES
 S_OFF_V_11 2 0.12100E-05 379243.5 3782679.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_12 2 0.12100E-05 379248.1 3782674.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_13 2 0.12100E-05 379252.5 3782668.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_14 2 0.12100E-05 379256.8 3782663.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_15 2 0.12100E-05 379261.9 3782659.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_16 2 0.12100E-05 379266.5 3782655.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_17 2 0.12100E-05 379272.1 3782650.4 175.0 0.00 3.12 2.18 YES
 S_OFF_V_18 2 0.12100E-05 379277.3 3782646.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_19 2 0.12100E-05 379282.6 3782642.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_20 2 0.12100E-05 379288.0 3782638.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_21 2 0.12100E-05 379293.4 3782634.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_22 2 0.12100E-05 379299.1 3782631.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_23 2 0.12100E-05 379304.1 3782626.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_24 2 0.12100E-05 379308.8 3782621.4 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
 PAGE 4
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	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
-----------	-------------	---------------------------	------------	------------	---------------------	-------------------------	-------------------	-------------------	--------------	----------------------	---------

S_OFF_V_25 2 0.12100E-05 379311.3 3782615.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_26 2 0.12100E-05 379308.1 3782609.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_27 2 0.12100E-05 379304.1 3782604.0 175.0 0.00 3.12 2.18 YES
 RR_1 2 0.43600E-04 379560.9 3782333.2 175.0 0.00 17.01 2.68 YES HROFDY
 RR_2 2 0.43600E-04 379530.3 3782354.0 175.0 0.00 17.01 2.68 YES HROFDY
 RR_3 2 0.43600E-04 379500.7 3782375.1 175.0 0.00 17.01 2.68 YES HROFDY
 RR_4 2 0.43600E-04 379471.5 3782397.2 175.0 0.00 17.01 2.68 YES HROFDY
 RR_5 2 0.43600E-04 379441.9 3782419.7 175.0 0.00 17.01 2.68 YES HROFDY
 RR_6 2 0.43600E-04 379412.4 3782441.0 175.0 0.00 17.01 2.68 YES HROFDY
 RR_7 2 0.43600E-04 379383.4 3782463.5 175.0 0.00 17.01 2.68 YES HROFDY
 RR_8 2 0.43600E-04 379355.0 3782486.3 175.0 0.00 17.01 2.68 YES HROFDY
 RR_9 2 0.43600E-04 379326.5 3782508.8 175.0 0.00 17.01 2.68 YES HROFDY
 RR_10 2 0.43600E-04 379297.9 3782531.1 175.0 0.00 17.01 2.68 YES HROFDY
 RR_11 2 0.43600E-04 379269.3 3782554.6 175.0 0.00 17.01 2.68 YES HROFDY
 RR_12 2 0.43600E-04 379241.4 3782578.1 175.0 0.00 17.01 2.68 YES HROFDY
 RR_13 2 0.43600E-04 379214.1 3782601.7 175.0 0.00 17.01 2.68 YES HROFDY
 RR_14 2 0.43600E-04 379186.1 3782625.8 175.0 0.00 17.01 2.68 YES HROFDY

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
 PAGE 5
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 ,

N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
 S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
 S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
 S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
 S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
 N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
 S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
 S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
 S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
 S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 , RR_1 , RR_2 , RR_3 , RR_4 , RR_5 ,
 RR_6 , RR_7 , RR_8 , RR_9 , RR_10 , RR_11 , RR_12 , RR_13 ,
 RR_14 ,

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
 PAGE 6
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
----------	-----------	------------

9862049.	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 ,	N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 , S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 , S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 , N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 , S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 , S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 , S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 , S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 , RR_1 , RR_2 , RR_3 , RR_4 , RR_5 , RR_6 , RR_7 , RR_8 , RR_9 , RR_10 , RR_11 , RR_12 , RR_13 ,
----------	--	---

RR_14 ,
*** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 7
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 8
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =

2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario

*** 17:49:40

PAGE 9

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 10
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 11
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario

17:49:40

PAGE 12

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario

*** 17:49:40

PAGE 13

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =

2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario

*** 17:49:40

PAGE 14

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =

2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

*** SOURCE ID = S_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =

2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

*** SOURCE ID = S_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =

2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario

*** 17:49:40

PAGE 15

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 16
**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 17
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario

17:49:40

PAGE 19

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40

PAGE 20

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 21
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 22
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario

*** 17:49:40

PAGE 23

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 24
**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 25
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 26
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 27
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 28
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 29
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40

PAGE 30

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 31
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 32
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_22 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 33
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_23 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_24 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_25 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 34
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_26 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_27 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.96400, 0.03600,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

*** SOURCE ID = RR_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40

PAGE 35

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = RR_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = RR_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = RR_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40

PAGE 36

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = RR_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = RR_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = RR_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 37
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = RR_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = RR_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = RR_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 38
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = RR_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = RR_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = RR_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 39

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = RR_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.92000, 0.08000,

PARTICLE DIAMETER (MICRONS) =
2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 40

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT 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 = RR_1 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.30000E+01
7	.40000E+01	8	.90000E+01	9	.70000E+01	10	.70000E+01	11	.20000E+01	12	.30000E+01
13	.30000E+01	14	.20000E+01	15	.20000E+01	16	.90000E+01	17	.50000E+01	18	.40000E+01
19	.40000E+01	20	.40000E+01	21	.20000E+01	22	.20000E+01	23	.00000E+00	24	.00000E+00

SOURCE ID = RR_2 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.30000E+01
7	.40000E+01	8	.90000E+01	9	.70000E+01	10	.70000E+01	11	.20000E+01	12	.30000E+01
13	.30000E+01	14	.20000E+01	15	.20000E+01	16	.90000E+01	17	.50000E+01	18	.40000E+01
19	.40000E+01	20	.40000E+01	21	.20000E+01	22	.20000E+01	23	.00000E+00	24	.00000E+00

SOURCE ID = RR_3 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.30000E+01
7	.40000E+01	8	.90000E+01	9	.70000E+01	10	.70000E+01	11	.20000E+01	12	.30000E+01
13	.30000E+01	14	.20000E+01	15	.20000E+01	16	.90000E+01	17	.50000E+01	18	.40000E+01
19	.40000E+01	20	.40000E+01	21	.20000E+01	22	.20000E+01	23	.00000E+00	24	.00000E+00

SOURCE ID = RR_4 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	.30000E+01
7	.40000E+01	8	.90000E+01	9	.70000E+01	10	.70000E+01	11	.20000E+01	12	.30000E+01

13 .30000E+01 14 .20000E+01 15 .20000E+01 16 .90000E+01 17 .50000E+01 18 .40000E+01
19 .40000E+01 20 .40000E+01 21 .20000E+01 22 .20000E+01 23 .00000E+00 24 .00000E+00

SOURCE ID = RR_5 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .30000E+01
7 .40000E+01 8 .90000E+01 9 .70000E+01 10 .70000E+01 11 .20000E+01 12 .30000E+01
13 .30000E+01 14 .20000E+01 15 .20000E+01 16 .90000E+01 17 .50000E+01 18 .40000E+01
19 .40000E+01 20 .40000E+01 21 .20000E+01 22 .20000E+01 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 41
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT 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 = RR_6 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .30000E+01
7 .40000E+01 8 .90000E+01 9 .70000E+01 10 .70000E+01 11 .20000E+01 12 .30000E+01
13 .30000E+01 14 .20000E+01 15 .20000E+01 16 .90000E+01 17 .50000E+01 18 .40000E+01
19 .40000E+01 20 .40000E+01 21 .20000E+01 22 .20000E+01 23 .00000E+00 24 .00000E+00

SOURCE ID = RR_7 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .30000E+01
7 .40000E+01 8 .90000E+01 9 .70000E+01 10 .70000E+01 11 .20000E+01 12 .30000E+01
13 .30000E+01 14 .20000E+01 15 .20000E+01 16 .90000E+01 17 .50000E+01 18 .40000E+01
19 .40000E+01 20 .40000E+01 21 .20000E+01 22 .20000E+01 23 .00000E+00 24 .00000E+00

SOURCE ID = RR_8 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .30000E+01
7 .40000E+01 8 .90000E+01 9 .70000E+01 10 .70000E+01 11 .20000E+01 12 .30000E+01
13 .30000E+01 14 .20000E+01 15 .20000E+01 16 .90000E+01 17 .50000E+01 18 .40000E+01
19 .40000E+01 20 .40000E+01 21 .20000E+01 22 .20000E+01 23 .00000E+00 24 .00000E+00

SOURCE ID = RR_9 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .30000E+01
7 .40000E+01 8 .90000E+01 9 .70000E+01 10 .70000E+01 11 .20000E+01 12 .30000E+01
13 .30000E+01 14 .20000E+01 15 .20000E+01 16 .90000E+01 17 .50000E+01 18 .40000E+01
19 .40000E+01 20 .40000E+01 21 .20000E+01 22 .20000E+01 23 .00000E+00 24 .00000E+00

SOURCE ID = RR_10 ; SOURCE TYPE = VOLUME :

1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6 .30000E+01
7 .40000E+01 8 .90000E+01 9 .70000E+01 10 .70000E+01 11 .20000E+01 12 .30000E+01
13 .30000E+01 14 .20000E+01 15 .20000E+01 16 .90000E+01 17 .50000E+01 18 .40000E+01
19 .40000E+01 20 .40000E+01 21 .20000E+01 22 .20000E+01 23 .00000E+00 24 .00000E+00

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 42
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT 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 = RR_11 ; SOURCE TYPE = VOLUME :

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .3000E+01
7 .4000E+01 8 .9000E+01 9 .7000E+01 10 .7000E+01 11 .2000E+01 12 .3000E+01
13 .3000E+01 14 .2000E+01 15 .2000E+01 16 .9000E+01 17 .5000E+01 18 .4000E+01
19 .4000E+01 20 .4000E+01 21 .2000E+01 22 .2000E+01 23 .0000E+00 24 .0000E+00

SOURCE ID = RR_12 ; SOURCE TYPE = VOLUME :

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .3000E+01
7 .4000E+01 8 .9000E+01 9 .7000E+01 10 .7000E+01 11 .2000E+01 12 .3000E+01
13 .3000E+01 14 .2000E+01 15 .2000E+01 16 .9000E+01 17 .5000E+01 18 .4000E+01
19 .4000E+01 20 .4000E+01 21 .2000E+01 22 .2000E+01 23 .0000E+00 24 .0000E+00

SOURCE ID = RR_13 ; SOURCE TYPE = VOLUME :

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .3000E+01
7 .4000E+01 8 .9000E+01 9 .7000E+01 10 .7000E+01 11 .2000E+01 12 .3000E+01
13 .3000E+01 14 .2000E+01 15 .2000E+01 16 .9000E+01 17 .5000E+01 18 .4000E+01
19 .4000E+01 20 .4000E+01 21 .2000E+01 22 .2000E+01 23 .0000E+00 24 .0000E+00

SOURCE ID = RR_14 ; SOURCE TYPE = VOLUME :

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .3000E+01
7 .4000E+01 8 .9000E+01 9 .7000E+01 10 .7000E+01 11 .2000E+01 12 .3000E+01
13 .3000E+01 14 .2000E+01 15 .2000E+01 16 .9000E+01 17 .5000E+01 18 .4000E+01
19 .4000E+01 20 .4000E+01 21 .2000E+01 22 .2000E+01 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40
PAGE 43

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5); (379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5); (379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5); (379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5); (379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5); (379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5); (379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5); (379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5); (379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5); (379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5); (379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5); (379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5); (379574.0, 3782668.0, 175.0, 175.0, 16.5);
(379584.0, 3782668.0, 175.0, 175.0, 16.5); (379494.0, 3782678.0, 175.0, 175.0, 16.5);
(379504.0, 3782678.0, 175.0, 175.0, 16.5); (379514.0, 3782678.0, 175.0, 175.0, 16.5);
(379524.0, 3782678.0, 175.0, 175.0, 16.5); (379534.0, 3782678.0, 175.0, 175.0, 16.5);
(379544.0, 3782678.0, 175.0, 175.0, 16.5); (379554.0, 3782678.0, 175.0, 175.0, 16.5);
(379564.0, 3782678.0, 175.0, 175.0, 16.5); (379574.0, 3782678.0, 175.0, 175.0, 16.5);
(379584.0, 3782678.0, 175.0, 175.0, 16.5); (379594.0, 3782678.0, 175.0, 175.0, 16.5);
(379484.0, 3782688.0, 175.0, 175.0, 16.5); (379494.0, 3782688.0, 175.0, 175.0, 16.5);
(379504.0, 3782688.0, 175.0, 175.0, 16.5); (379514.0, 3782688.0, 175.0, 175.0, 16.5);


```

-----
08 01 01 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 0.56 999.00 999. -9. 281.4 6.*** -9.00 999. 992. 0
08 01 01 09 21.7 -9.000 -9.000 -9.000 53. -999. -999999.0 0.53 1.00 0.33 999.00 999. -9. 282.5 6.*** -9.00 999. 992. 0
08 01 01 10 70.5 -9.000 -9.000 -9.000 144. -999. -999999.0 0.53 1.00 0.25 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 11 105.7 -9.000 -9.000 -9.000 340. -999. -999999.0 0.53 1.00 0.22 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 12 124.1 -9.000 -9.000 -9.000 559. -999. -999999.0 0.53 1.00 0.21 999.00 999. -9. 294.9 6.*** -9.00 999. 992. 0
08 01 01 13 124.3 -9.000 -9.000 -9.000 709. -999. -999999.0 0.53 1.00 0.21 999.00 999. -9. 297.0 6.*** -9.00 999. 992. 0
08 01 01 14 104.3 -9.000 -9.000 -9.000 755. -999. -999999.0 0.53 1.00 0.22 999.00 999. -9. 294.2 6.*** -9.00 999. 992. 0
08 01 01 15 68.8 -9.000 -9.000 -9.000 786. -999. -999999.0 0.53 1.00 0.26 999.00 999. -9. 293.8 6.*** -9.00 999. 992. 0
08 01 01 16 19.1 -9.000 -9.000 -9.000 792. -999. -999999.0 0.53 1.00 0.34 999.00 999. -9. 292.0 6.*** -9.00 999. 992. 0
08 01 01 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 0.61 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 288.8 6.*** -9.00 999. 992. 0
08 01 01 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 287.0 6.*** -9.00 999. 992. 0
08 01 01 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -999999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0

```

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** *** Particulates (Diesel) / Average Speed Scenario *** 17:49:40

PAGE 46

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
 N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
 S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
 S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
379544.00	3782628.00	0.03707	379534.00	3782638.00	0.03744
379544.00	3782638.00	0.03601	379554.00	3782638.00	0.03462
379524.00	3782648.00	0.03774	379534.00	3782648.00	0.03633
379544.00	3782648.00	0.03496	379554.00	3782648.00	0.03363
379564.00	3782648.00	0.03234	379514.00	3782658.00	0.03797
379524.00	3782658.00	0.03659	379534.00	3782658.00	0.03524
379544.00	3782658.00	0.03392	379554.00	3782658.00	0.03265
379564.00	3782658.00	0.03142	379574.00	3782658.00	0.03023
379504.00	3782668.00	0.03812	379514.00	3782668.00	0.03677
379524.00	3782668.00	0.03544	379534.00	3782668.00	0.03415
379544.00	3782668.00	0.03290	379554.00	3782668.00	0.03169

379564.00	3782668.00	0.03051	379574.00	3782668.00	0.02938
379584.00	3782668.00	0.02828	379494.00	3782678.00	0.03820
379504.00	3782678.00	0.03688	379514.00	3782678.00	0.03559
379524.00	3782678.00	0.03432	379534.00	3782678.00	0.03309
379544.00	3782678.00	0.03190	379554.00	3782678.00	0.03074
379564.00	3782678.00	0.02962	379574.00	3782678.00	0.02854
379584.00	3782678.00	0.02750	379594.00	3782678.00	0.02649
379484.00	3782688.00	0.03820	379494.00	3782688.00	0.03692
379504.00	3782688.00	0.03566	379514.00	3782688.00	0.03443
379524.00	3782688.00	0.03322	379534.00	3782688.00	0.03205
379544.00	3782688.00	0.03092	379554.00	3782688.00	0.02982
379564.00	3782688.00	0.02875	379574.00	3782688.00	0.02772
379584.00	3782688.00	0.02673	379484.00	3782698.00	0.03689
379494.00	3782698.00	0.03567	379504.00	3782698.00	0.03447
379514.00	3782698.00	0.03330	379524.00	3782698.00	0.03215
379534.00	3782698.00	0.03104	379544.00	3782698.00	0.02996
379554.00	3782698.00	0.02891	379564.00	3782698.00	0.02790
379574.00	3782698.00	0.02692	379494.00	3782708.00	0.03444
379504.00	3782708.00	0.03330	379514.00	3782708.00	0.03219
379524.00	3782708.00	0.03111	379534.00	3782708.00	0.03005
379544.00	3782708.00	0.02903	379554.00	3782708.00	0.02803
379564.00	3782708.00	0.02707	379504.00	3782718.00	0.03217
379514.00	3782718.00	0.03112	379524.00	3782718.00	0.03009
379534.00	3782718.00	0.02909	379544.00	3782718.00	0.02812
379554.00	3782718.00	0.02718	379514.00	3782728.00	0.03008
379524.00	3782728.00	0.02911	379534.00	3782728.00	0.02816
379544.00	3782728.00	0.02724	379524.00	3782738.00	0.02816
379534.00	3782738.00	0.02726			

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40

PAGE 47

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

NETWORK

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

ALL	1ST HIGHEST VALUE IS	0.03820 AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC
	2ND HIGHEST VALUE IS	0.03820 AT (379494.00, 3782678.00, 175.00, 175.00, 16.50) DC
	3RD HIGHEST VALUE IS	0.03812 AT (379504.00, 3782668.00, 175.00, 175.00, 16.50) DC
	4TH HIGHEST VALUE IS	0.03797 AT (379514.00, 3782658.00, 175.00, 175.00, 16.50) DC
	5TH HIGHEST VALUE IS	0.03774 AT (379524.00, 3782648.00, 175.00, 175.00, 16.50) DC
	6TH HIGHEST VALUE IS	0.03744 AT (379534.00, 3782638.00, 175.00, 175.00, 16.50) DC
	7TH HIGHEST VALUE IS	0.03707 AT (379544.00, 3782628.00, 175.00, 175.00, 16.50) DC
	8TH HIGHEST VALUE IS	0.03692 AT (379494.00, 3782688.00, 175.00, 175.00, 16.50) DC
	9TH HIGHEST VALUE IS	0.03689 AT (379484.00, 3782698.00, 175.00, 175.00, 16.50) DC
	10TH HIGHEST VALUE IS	0.03688 AT (379504.00, 3782678.00, 175.00, 175.00, 16.50) DC

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

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** ** Particulates (Diesel) / Average Speed Scenario *** 17:49:40

PAGE 48

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)

A Total of 0 Warning Message(s)

A Total of 1275 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 13 Calm Hours Identified

A Total of 1262 Missing Hours Identified (2.88 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/15/2016 Time: 5:12:24 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_NO2_1_FIRST.DTA

Output File - F:\premier\model\PREMIER_NO2_1_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** 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 *****
CO W271 18 COCARD: O3FILE w/o O3VALs; full conv for hrs with miss O3

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26
PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM 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 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:

1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Ozone Limiting Method (OLM) Used for NO₂ Conversion with an Equilibrium NO₂/NO_x Ratio of 0.900 and with 1 OLMGROUP(s)
7. Urban Roughness Length of 1.0 Meter Used.

**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: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

**This Run Includes OZONE Values for a Single Sector
HOURLY OZONE Values are Available

**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)
Model Outputs External File(s) of Maximum Daily 1-hr Values by Year (MXDYBYR 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_NO2_1_FIRST.DTA

**Output Print File: PREMIER_NO2_1_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_NO2_1_FIRST.SUM

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26

PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

*** VOLUME SOURCE DATA ***

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

N_M_1	0	0.23300E-01	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES	
N_M_2	0	0.23300E-01	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES	
N_M_3	0	0.23300E-01	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES	
N_M_4	0	0.23300E-01	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES	
N_M_5	0	0.23300E-01	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES	
N_M_6	0	0.23300E-01	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES	
N_M_7	0	0.23300E-01	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES	
N_M_8	0	0.23300E-01	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES	
N_M_9	0	0.23300E-01	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES	
N_M_10	0	0.23300E-01	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES	
N_M_11	0	0.23300E-01	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES	
N_M_12	0	0.23300E-01	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES	
N_M_13	0	0.23300E-01	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES	
S_M_1	0	0.23600E-01	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES	
S_M_2	0	0.23600E-01	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES	
S_M_3	0	0.23600E-01	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES	
S_M_4	0	0.23600E-01	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES	
S_M_5	0	0.23600E-01	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES	
S_M_6	0	0.23600E-01	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES	
S_M_7	0	0.23600E-01	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES	
S_M_8	0	0.23600E-01	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES	
S_M_9	0	0.23600E-01	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES	
S_M_10	0	0.23600E-01	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES	
S_M_11	0	0.23600E-01	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES	
S_M_12	0	0.23600E-01	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES	
S_ON_V_1	0	0.39000E-03	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES	
S_ON_V_2	0	0.39000E-03	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES	
S_ON_V_3	0	0.39000E-03	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES	
S_ON_V_4	0	0.39000E-03	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES	
S_ON_V_5	0	0.39000E-03	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES	
S_ON_V_6	0	0.39000E-03	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES	
S_ON_V_7	0	0.39000E-03	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES	
S_ON_V_8	0	0.39000E-03	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES	
S_ON_V_9	0	0.39000E-03	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES	
S_ON_V_10	0	0.39000E-03	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES	
S_ON_V_11	0	0.39000E-03	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES	
S_ON_V_12	0	0.39000E-03	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES	
S_ON_V_13	0	0.39000E-03	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES	
S_ON_V_14	0	0.39000E-03	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES	
S_ON_V_15	0	0.39000E-03	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES	

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

*** VOLUME SOURCE DATA ***

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

S_ON_V_16	0	0.39000E-03	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES
S_ON_V_17	0	0.39000E-03	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES
S_ON_V_18	0	0.39000E-03	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES
S_ON_V_19	0	0.39000E-03	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES
S_ON_V_20	0	0.39000E-03	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES
S_ON_V_21	0	0.39000E-03	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES
N_OFF_O_1	0	0.22600E-02	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES
N_OFF_O_2	0	0.22600E-02	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_3	0	0.22600E-02	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES
N_OFF_O_4	0	0.22600E-02	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_5	0	0.22600E-02	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES
N_OFF_O_6	0	0.22600E-02	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_7	0	0.22600E-02	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_8	0	0.22600E-02	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_9	0	0.22600E-02	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES
N_OFF_O_10	0	0.22600E-02	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES
S_OFF_V_1	0	0.30500E-03	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_2	0	0.30500E-03	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_3	0	0.30500E-03	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_4	0	0.30500E-03	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_5	0	0.30500E-03	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES
S_OFF_V_6	0	0.30500E-03	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES
S_OFF_V_7	0	0.30500E-03	379224.0	3782697.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_8	0	0.30500E-03	379228.8	3782692.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_9	0	0.30500E-03	379233.8	3782688.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_10	0	0.30500E-03	379238.7	3782683.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_11	0	0.30500E-03	379243.5	3782679.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_12	0	0.30500E-03	379248.1	3782674.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_13	0	0.30500E-03	379252.5	3782668.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_14	0	0.30500E-03	379256.8	3782663.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_15	0	0.30500E-03	379261.9	3782659.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_16	0	0.30500E-03	379266.5	3782655.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_17	0	0.30500E-03	379272.1	3782650.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_18	0	0.30500E-03	379277.3	3782646.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_19	0	0.30500E-03	379282.6	3782642.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_20	0	0.30500E-03	379288.0	3782638.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_21	0	0.30500E-03	379293.4	3782634.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_22	0	0.30500E-03	379299.1	3782631.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_23	0	0.30500E-03	379304.1	3782626.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_24	0	0.30500E-03	379308.8	3782621.4	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** *** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26

PAGE 4

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

*** VOLUME SOURCE DATA ***

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

S_OFF_V_25 0 0.30500E-03 379311.3 3782615.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_26 0 0.30500E-03 379308.1 3782609.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_27 0 0.30500E-03 379304.1 3782604.0 175.0 0.00 3.12 2.18 YES
 *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26
 PAGE 5
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

 ALL N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 ,
 N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
 S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
 S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
 S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
 S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
 N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
 S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
 S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
 S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
 S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26
 PAGE 6
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

*** SOURCE IDs DEFINING OLM SOURCE GROUPS ***
 *** FOR COMBINING PLUMES ***

OLMGROUP ID SOURCE IDs

 GROUP1 N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 ,
 N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
 S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
 S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
 S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
 S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,

N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
 S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
 S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
 S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
 S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier 03/15/16
 *** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario 17:12:26
 PAGE 7
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
 N_M_8 ,
 N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
 S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
 S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
 S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
 S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
 N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
 S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
 S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
 S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
 S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier 03/15/16
 *** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario 17:12:26
 PAGE 8
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

*** IN-STACK NO2 RATIOS FOR OLM/PVMRM OPTIONS ***

SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO	SOURCE_ID	NO2_RATIO
N_M_1	0.160	N_M_2	0.160	N_M_3	0.160	N_M_4	0.160
N_M_5	0.160	N_M_6	0.160	N_M_7	0.160	N_M_8	0.160
N_M_9	0.160	N_M_10	0.160	N_M_11	0.160	N_M_12	0.160
N_M_13	0.160	S_M_1	0.160	S_M_2	0.160	S_M_3	0.160
S_M_4	0.160	S_M_5	0.160	S_M_6	0.160	S_M_7	0.160
S_M_8	0.160	S_M_9	0.160	S_M_10	0.160	S_M_11	0.160
S_M_12	0.160	S_ON_V_1	0.160	S_ON_V_2	0.160	S_ON_V_3	0.160

S_ON_V_4	0.160	S_ON_V_5	0.160	S_ON_V_6	0.160	S_ON_V_7	0.160
S_ON_V_8	0.160	S_ON_V_9	0.160	S_ON_V_10	0.160	S_ON_V_11	0.160
S_ON_V_12	0.160	S_ON_V_13	0.160	S_ON_V_14	0.160	S_ON_V_15	0.160
S_ON_V_16	0.160	S_ON_V_17	0.160	S_ON_V_18	0.160	S_ON_V_19	0.160
S_ON_V_20	0.160	S_ON_V_21	0.160	N_OFF_O_1	0.160	N_OFF_O_2	0.160
N_OFF_O_3	0.160	N_OFF_O_4	0.160	N_OFF_O_5	0.160	N_OFF_O_6	0.160
N_OFF_O_7	0.160	N_OFF_O_8	0.160	N_OFF_O_9	0.160	N_OFF_O_10	0.160
S_OFF_V_1	0.160	S_OFF_V_2	0.160	S_OFF_V_3	0.160	S_OFF_V_4	0.160
S_OFF_V_5	0.160	S_OFF_V_6	0.160	S_OFF_V_7	0.160	S_OFF_V_8	0.160
S_OFF_V_9	0.160	S_OFF_V_10	0.160	S_OFF_V_11	0.160	S_OFF_V_12	0.160
S_OFF_V_13	0.160	S_OFF_V_14	0.160	S_OFF_V_15	0.160	S_OFF_V_16	0.160
S_OFF_V_17	0.160	S_OFF_V_18	0.160	S_OFF_V_19	0.160	S_OFF_V_20	0.160
S_OFF_V_21	0.160	S_OFF_V_22	0.160	S_OFF_V_23	0.160	S_OFF_V_24	0.160
S_OFF_V_25	0.160	S_OFF_V_26	0.160	S_OFF_V_27	0.160		

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26

PAGE 9

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5);	(379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5);	(379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5);	(379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5);	(379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5);	(379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5);	(379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5);	(379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5);	(379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5);	(379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5);	(379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5);	(379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5);	(379574.0, 3782668.0, 175.0, 175.0, 16.5);
(379584.0, 3782668.0, 175.0, 175.0, 16.5);	(379494.0, 3782678.0, 175.0, 175.0, 16.5);
(379504.0, 3782678.0, 175.0, 175.0, 16.5);	(379514.0, 3782678.0, 175.0, 175.0, 16.5);
(379524.0, 3782678.0, 175.0, 175.0, 16.5);	(379534.0, 3782678.0, 175.0, 175.0, 16.5);
(379544.0, 3782678.0, 175.0, 175.0, 16.5);	(379554.0, 3782678.0, 175.0, 175.0, 16.5);
(379564.0, 3782678.0, 175.0, 175.0, 16.5);	(379574.0, 3782678.0, 175.0, 175.0, 16.5);
(379584.0, 3782678.0, 175.0, 175.0, 16.5);	(379594.0, 3782678.0, 175.0, 175.0, 16.5);
(379484.0, 3782688.0, 175.0, 175.0, 16.5);	(379494.0, 3782688.0, 175.0, 175.0, 16.5);
(379504.0, 3782688.0, 175.0, 175.0, 16.5);	(379514.0, 3782688.0, 175.0, 175.0, 16.5);
(379524.0, 3782688.0, 175.0, 175.0, 16.5);	(379534.0, 3782688.0, 175.0, 175.0, 16.5);
(379544.0, 3782688.0, 175.0, 175.0, 16.5);	(379554.0, 3782688.0, 175.0, 175.0, 16.5);
(379564.0, 3782688.0, 175.0, 175.0, 16.5);	(379574.0, 3782688.0, 175.0, 175.0, 16.5);
(379584.0, 3782688.0, 175.0, 175.0, 16.5);	(379484.0, 3782698.0, 175.0, 175.0, 16.5);
(379494.0, 3782698.0, 175.0, 175.0, 16.5);	(379504.0, 3782698.0, 175.0, 175.0, 16.5);
(379514.0, 3782698.0, 175.0, 175.0, 16.5);	(379524.0, 3782698.0, 175.0, 175.0, 16.5);
(379534.0, 3782698.0, 175.0, 175.0, 16.5);	(379544.0, 3782698.0, 175.0, 175.0, 16.5);
(379554.0, 3782698.0, 175.0, 175.0, 16.5);	(379564.0, 3782698.0, 175.0, 175.0, 16.5);
(379574.0, 3782698.0, 175.0, 175.0, 16.5);	(379494.0, 3782708.0, 175.0, 175.0, 16.5);
(379504.0, 3782708.0, 175.0, 175.0, 16.5);	(379514.0, 3782708.0, 175.0, 175.0, 16.5);
(379524.0, 3782708.0, 175.0, 175.0, 16.5);	(379534.0, 3782708.0, 175.0, 175.0, 16.5);
(379544.0, 3782708.0, 175.0, 175.0, 16.5);	(379554.0, 3782708.0, 175.0, 175.0, 16.5);
(379564.0, 3782708.0, 175.0, 175.0, 16.5);	(379504.0, 3782718.0, 175.0, 175.0, 16.5);
(379514.0, 3782718.0, 175.0, 175.0, 16.5);	(379524.0, 3782718.0, 175.0, 175.0, 16.5);
(379534.0, 3782718.0, 175.0, 175.0, 16.5);	(379544.0, 3782718.0, 175.0, 175.0, 16.5);
(379554.0, 3782718.0, 175.0, 175.0, 16.5);	(379514.0, 3782728.0, 175.0, 175.0, 16.5);
(379524.0, 3782728.0, 175.0, 175.0, 16.5);	(379534.0, 3782728.0, 175.0, 175.0, 16.5);
(379544.0, 3782728.0, 175.0, 175.0, 16.5);	(379524.0, 3782738.0, 175.0, 175.0, 16.5);

(379534.0, 3782738.0, 175.0, 175.0, 16.5);
☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26
PAGE 10
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

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

1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2010 1 1 1
AND END DATE: 2010 12 31 24

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 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26
PAGE 11
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

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

Surface file: burk8.sfc Met Version: 14134
Profile file: burk8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2008 Year: 2008

First 24 hours of scalar data

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	ZO	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.56	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	21.7	-9.000	-9.000	-9.000	53.	-999.	-999999.0	0.53	1.00	0.33	999.00	999.	-9.0	282.5	5.5			
08	01	01	1	10	70.5	-9.000	-9.000	-9.000	144.	-999.	-999999.0	0.53	1.00	0.25	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	11	105.7	-9.000	-9.000	-9.000	340.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	12	124.1	-9.000	-9.000	-9.000	559.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	13	124.3	-9.000	-9.000	-9.000	709.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	297.0	5.5			
08	01	01	1	14	104.3	-9.000	-9.000	-9.000	755.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	294.2	5.5			

08 01 01 1 15 68.8 -9.000 -9.000 -9.000 786. -999. -99999.0 0.53 1.00 0.26 999.00 999. -9.0 293.8 5.5
08 01 01 1 16 19.1 -9.000 -9.000 -9.000 792. -999. -99999.0 0.53 1.00 0.34 999.00 999. -9.0 292.0 5.5
08 01 01 1 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.61 999.00 999. -9.0 290.9 5.5
08 01 01 1 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 288.8 5.5
08 01 01 1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 287.0 5.5
08 01 01 1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 286.4 5.5
08 01 01 1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 284.9 5.5
08 01 01 1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 284.9 5.5
08 01 01 1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 284.9 5.5
08 01 01 1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 284.9 5.5

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00
08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26

PAGE 12

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

*** THE 1ST-HIGHEST MAX DAILY 1-HR AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** 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
379544.00	3782628.00	29.87905	379534.00	3782638.00	29.62426
379544.00	3782638.00	28.86702	379554.00	3782638.00	28.64545
379524.00	3782648.00	30.17895	379534.00	3782648.00	29.24688
379544.00	3782648.00	28.35892	379554.00	3782648.00	27.49541
379564.00	3782648.00	27.16922	379514.00	3782658.00	31.10348
379524.00	3782658.00	29.94835	379534.00	3782658.00	28.85804
379544.00	3782658.00	27.85692	379554.00	3782658.00	26.92566
379564.00	3782658.00	26.03351	379574.00	3782658.00	25.58432
379504.00	3782668.00	32.16511	379514.00	3782668.00	30.94457
379524.00	3782668.00	29.67332	379534.00	3782668.00	28.46880
379544.00	3782668.00	27.37386	379554.00	3782668.00	26.38018
379564.00	3782668.00	25.45772	379574.00	3782668.00	24.75588
379584.00	3782668.00	24.56241	379494.00	3782678.00	32.94315
379504.00	3782678.00	31.92339	379514.00	3782678.00	30.67416
379524.00	3782678.00	29.35231	379534.00	3782678.00	28.07867
379544.00	3782678.00	26.91385	379554.00	3782678.00	25.86589
379564.00	3782678.00	24.91258	379574.00	3782678.00	24.02209
379584.00	3782678.00	23.75059	379594.00	3782678.00	23.57337
379484.00	3782688.00	33.21258	379494.00	3782688.00	32.52578
379504.00	3782688.00	31.52391	379514.00	3782688.00	30.30079
379524.00	3782688.00	28.98228	379534.00	3782688.00	27.68284
379544.00	3782688.00	26.47529	379554.00	3782688.00	25.38497
379564.00	3782688.00	24.40226	379574.00	3782688.00	23.50072
379584.00	3782688.00	22.98231	379484.00	3782698.00	32.65122
379494.00	3782698.00	31.95606	379504.00	3782698.00	31.00067
379514.00	3782698.00	29.83860	379524.00	3782698.00	28.56318

379534.00	3782698.00	27.27537	379544.00	3782698.00	26.05288
379554.00	3782698.00	24.93556	379564.00	3782698.00	23.92842
379574.00	3782698.00	23.01412	379494.00	3782708.00	31.28102
379504.00	3782708.00	30.38575	379514.00	3782708.00	29.30365
379524.00	3782708.00	28.09793	379534.00	3782708.00	26.85147
379544.00	3782708.00	25.64000	379554.00	3782708.00	24.51319
379564.00	3782708.00	23.48963	379504.00	3782718.00	29.70678
379514.00	3782718.00	28.71247	379524.00	3782718.00	27.59164
379534.00	3782718.00	26.40788	379544.00	3782718.00	25.22971
379554.00	3782718.00	24.11117	379514.00	3782728.00	28.07984
379524.00	3782728.00	27.05073	379534.00	3782728.00	25.94352
379544.00	3782728.00	24.81623	379524.00	3782738.00	26.48255
379534.00	3782738.00	25.45929			

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26

PAGE 13

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM URBAN

*** THE SUMMARY OF MAXIMUM 1ST-HIGHEST MAX DAILY 1-HR RESULTS AVERAGED OVER 1 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	33.21258 AT (379484.00, 3782688.00, 175.00, 175.00, 16.50)	DC
	2ND HIGHEST VALUE IS	32.94315 AT (379494.00, 3782678.00, 175.00, 175.00, 16.50)	DC
	3RD HIGHEST VALUE IS	32.65122 AT (379484.00, 3782698.00, 175.00, 175.00, 16.50)	DC
	4TH HIGHEST VALUE IS	32.52578 AT (379494.00, 3782688.00, 175.00, 175.00, 16.50)	DC
	5TH HIGHEST VALUE IS	32.16511 AT (379504.00, 3782668.00, 175.00, 175.00, 16.50)	DC
	6TH HIGHEST VALUE IS	31.95606 AT (379494.00, 3782698.00, 175.00, 175.00, 16.50)	DC
	7TH HIGHEST VALUE IS	31.92339 AT (379504.00, 3782678.00, 175.00, 175.00, 16.50)	DC
	8TH HIGHEST VALUE IS	31.52391 AT (379504.00, 3782688.00, 175.00, 175.00, 16.50)	DC
	9TH HIGHEST VALUE IS	31.28102 AT (379494.00, 3782708.00, 175.00, 175.00, 16.50)	DC
	10TH HIGHEST VALUE IS	31.10348 AT (379514.00, 3782658.00, 175.00, 175.00, 16.50)	DC

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Nitrogen Dioxide (NO2) / Minimum Speed Scenario *** 17:12:26

PAGE 14

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT OLM 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 662 Informational Message(s)

 A Total of 8760 Hours Were Processed

 A Total of 3 Calm Hours Identified

 A Total of 348 Missing Hours Identified (3.97 Percent)

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

***** WARNING MESSAGES *****
CO W271 18 COCARD: O3FILE w/o O3VALs; full conv for hrs with miss O3

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/14/2016 Time: 5:12:58 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_PM2.5_24_FIRST.DTA

Output File - F:\premier\model\PREMIER_PM2.5_24_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01

PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_PM2.5_24_FIRST.DTA

**Output Print File: PREMIER_PM2.5_24_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_PM2.5_24_FIRST.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	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	EMISSION RATE VARY BY
N_M_1	2	0.13900E-02	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	2	0.13900E-02	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	2	0.13900E-02	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	2	0.13900E-02	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	2	0.13900E-02	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	2	0.13900E-02	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	2	0.13900E-02	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	2	0.13900E-02	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	2	0.13900E-02	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	2	0.13900E-02	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	2	0.13900E-02	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	2	0.13900E-02	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	2	0.13900E-02	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	2	0.14200E-02	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	2	0.14200E-02	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	2	0.14200E-02	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	2	0.14200E-02	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	2	0.14200E-02	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	2	0.14200E-02	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	2	0.14200E-02	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	2	0.14200E-02	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	2	0.14200E-02	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	2	0.14200E-02	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	2	0.14200E-02	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	2	0.14200E-02	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	2	0.23700E-04	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	2	0.23700E-04	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	2	0.23700E-04	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	2	0.23700E-04	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	2	0.23700E-04	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	2	0.23700E-04	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	2	0.23700E-04	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	2	0.23700E-04	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	2	0.23700E-04	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	2	0.23700E-04	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	2	0.23700E-04	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	2	0.23700E-04	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	2	0.23700E-04	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	2	0.23700E-04	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	2	0.23700E-04	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

☐ *** AERMOD - VERSION 15181 *** Premier

03/14/16

*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario

17:13:01

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE (METERS)	EMISSION RATE SCALAR VARY BY
S_ON_V_16	2	0.23700E-04	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES	
S_ON_V_17	2	0.23700E-04	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES	
S_ON_V_18	2	0.23700E-04	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES	
S_ON_V_19	2	0.23700E-04	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES	
S_ON_V_20	2	0.23700E-04	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES	
S_ON_V_21	2	0.23700E-04	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES	
N_OFF_O_1	2	0.77000E-04	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES	
N_OFF_O_2	2	0.77000E-04	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_3	2	0.77000E-04	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES	
N_OFF_O_4	2	0.77000E-04	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_5	2	0.77000E-04	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES	
N_OFF_O_6	2	0.77000E-04	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_7	2	0.77000E-04	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_8	2	0.77000E-04	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_9	2	0.77000E-04	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES	
N_OFF_O_10	2	0.77000E-04	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES	
S_OFF_V_1	2	0.10400E-04	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_2	2	0.10400E-04	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES	
S_OFF_V_3	2	0.10400E-04	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_4	2	0.10400E-04	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES	
S_OFF_V_5	2	0.10400E-04	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES	
S_OFF_V_6	2	0.10400E-04	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES	

S_OFF_V_7 2 0.10400E-04 379224.0 3782697.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_8 2 0.10400E-04 379228.8 3782692.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_9 2 0.10400E-04 379233.8 3782688.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_10 2 0.10400E-04 379238.7 3782683.8 175.0 0.00 3.12 2.18 YES
 S_OFF_V_11 2 0.10400E-04 379243.5 3782679.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_12 2 0.10400E-04 379248.1 3782674.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_13 2 0.10400E-04 379252.5 3782668.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_14 2 0.10400E-04 379256.8 3782663.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_15 2 0.10400E-04 379261.9 3782659.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_16 2 0.10400E-04 379266.5 3782655.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_17 2 0.10400E-04 379272.1 3782650.4 175.0 0.00 3.12 2.18 YES
 S_OFF_V_18 2 0.10400E-04 379277.3 3782646.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_19 2 0.10400E-04 379282.6 3782642.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_20 2 0.10400E-04 379288.0 3782638.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_21 2 0.10400E-04 379293.4 3782634.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_22 2 0.10400E-04 379299.1 3782631.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_23 2 0.10400E-04 379304.1 3782626.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_24 2 0.10400E-04 379308.8 3782621.4 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
 PAGE 4
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE RELEASE (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR	EMISSION RATE VARY BY
-----------	-------------	---------------------------	------------	------------	-----------------------	-----------------------	-------------------	-------------------	---------------------	-----------------------

S_OFF_V_25 2 0.10400E-04 379311.3 3782615.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_26 2 0.10400E-04 379308.1 3782609.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_27 2 0.10400E-04 379304.1 3782604.0 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
 PAGE 5
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 , S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 , S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 , N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 , S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 6
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 7
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 8
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 9

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 10

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 11
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =

1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 12
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/14/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 15
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 16
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 17
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 18
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario

*** 17:13:01

PAGE 19

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario

*** 17:13:01

PAGE 20

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =

1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

*** SOURCE ID = S_ON_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =

1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

*** SOURCE ID = S_ON_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =

1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario

*** 17:13:01

PAGE 21

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_ON_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario

*** 17:13:01

PAGE 22

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01

PAGE 23

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01

PAGE 24

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 25
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier 03/14/16
*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 26
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 27
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 28
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** ** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 29
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 30
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario

*** 17:13:01

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_22 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/14/16

*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario

*** 17:13:01

PAGE 33

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_23 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_24 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_25 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 34
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_26 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_27 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.37850, 0.62150,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
PAGE 35
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5);	(379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5);	(379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5);	(379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5);	(379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5);	(379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5);	(379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5);	(379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5);	(379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5);	(379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5);	(379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5);	(379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5);	(379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALB REF WS WD HT REF TA HT IPCOD PRATE RH SFCP CCVR

08 01 01 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.56 999.00 999. -9. 281.4 6.*** -9.00 999. 992. 0
08 01 01 09 21.7 -9.000 -9.000 -9.000 53. -999. -99999.0 0.53 1.00 0.33 999.00 999. -9. 282.5 6.*** -9.00 999. 992. 0
08 01 01 10 70.5 -9.000 -9.000 -9.000 144. -999. -99999.0 0.53 1.00 0.25 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 11 105.7 -9.000 -9.000 -9.000 340. -999. -99999.0 0.53 1.00 0.22 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 12 124.1 -9.000 -9.000 -9.000 559. -999. -99999.0 0.53 1.00 0.21 999.00 999. -9. 294.9 6.*** -9.00 999. 992. 0
08 01 01 13 124.3 -9.000 -9.000 -9.000 709. -999. -99999.0 0.53 1.00 0.21 999.00 999. -9. 297.0 6.*** -9.00 999. 992. 0
08 01 01 14 104.3 -9.000 -9.000 -9.000 755. -999. -99999.0 0.53 1.00 0.22 999.00 999. -9. 294.2 6.*** -9.00 999. 992. 0
08 01 01 15 68.8 -9.000 -9.000 -9.000 786. -999. -99999.0 0.53 1.00 0.26 999.00 999. -9. 293.8 6.*** -9.00 999. 992. 0
08 01 01 16 19.1 -9.000 -9.000 -9.000 792. -999. -99999.0 0.53 1.00 0.34 999.00 999. -9. 292.0 6.*** -9.00 999. 992. 0
08 01 01 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.61 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 288.8 6.*** -9.00 999. 992. 0
08 01 01 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 287.0 6.*** -9.00 999. 992. 0
08 01 01 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

*** AERMOD - VERSION 15181 *** Premier *** 03/14/16
*** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01

PAGE 38

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

379544.00	3782628.00	1.14736	(08021624)	379534.00	3782638.00	1.16356	(08021624)
379544.00	3782638.00	1.10333	(08021624)	379554.00	3782638.00	1.04688	(08021624)
379524.00	3782648.00	1.17657	(08021624)	379534.00	3782648.00	1.11684	(08021624)
379544.00	3782648.00	1.06072	(08021624)	379554.00	3782648.00	1.00803	(08021624)
379564.00	3782648.00	0.95856	(08021624)	379514.00	3782658.00	1.18619	(08021624)
379524.00	3782658.00	1.12731	(08021624)	379534.00	3782658.00	1.07182	(08021624)
379544.00	3782658.00	1.01959	(08021624)	379554.00	3782658.00	0.97046	(08021624)
379564.00	3782658.00	0.92424	(08021624)	379574.00	3782658.00	0.88077	(08021624)
379504.00	3782668.00	1.19231	(08021624)	379514.00	3782668.00	1.13459	(08021624)
379524.00	3782668.00	1.08004	(08021624)	379534.00	3782668.00	1.02854	(08021624)
379544.00	3782668.00	0.97998	(08021624)	379554.00	3782668.00	0.93419	(08021624)
379564.00	3782668.00	0.89105	(08021624)	379574.00	3782668.00	0.85037	(08021624)
379584.00	3782668.00	0.81202	(08021624)	379494.00	3782678.00	1.19489	(08021624)
379504.00	3782678.00	1.13861	(08021624)	379514.00	3782678.00	1.08527	(08021624)
379524.00	3782678.00	1.03477	(08021624)	379534.00	3782678.00	0.98702	(08021624)
379544.00	3782678.00	0.94189	(08021624)	379554.00	3782678.00	0.89926	(08021624)
379564.00	3782678.00	0.85899	(08021624)	379574.00	3782678.00	0.82094	(08021624)
379584.00	3782678.00	0.78498	(08021624)	379594.00	3782678.00	0.75099	(08021624)
379484.00	3782688.00	1.19392	(08021624)	379494.00	3782688.00	1.13935	(08021624)
379504.00	3782688.00	1.08747	(08021624)	379514.00	3782688.00	1.03822	(08021624)
379524.00	3782688.00	0.99151	(08021624)	379534.00	3782688.00	0.94725	(08021624)
379544.00	3782688.00	0.90533	(08021624)	379554.00	3782688.00	0.86565	(08021624)
379564.00	3782688.00	0.82807	(08021624)	379574.00	3782688.00	0.79249	(08021624)
379584.00	3782688.00	0.75878	(08021624)	379484.00	3782698.00	1.13685	(08021624)
379494.00	3782698.00	1.08665	(08021624)	379504.00	3782698.00	1.03886	(08021624)
379514.00	3782698.00	0.99340	(08021624)	379524.00	3782698.00	0.95021	(08021624)
379534.00	3782698.00	0.90920	(08021624)	379544.00	3782698.00	0.87028	(08021624)
379554.00	3782698.00	0.83333	(08021624)	379564.00	3782698.00	0.79827	(08021624)
379574.00	3782698.00	0.76500	(08021624)	379494.00	3782708.00	1.03672	(08021624)
379504.00	3782708.00	0.99271	(08021624)	379514.00	3782708.00	0.95077	(08021624)
379524.00	3782708.00	0.91084	(08021624)	379534.00	3782708.00	0.87284	(08021624)
379544.00	3782708.00	0.83669	(08021624)	379554.00	3782708.00	0.80230	(08021624)
379564.00	3782708.00	0.76959	(08021624)	379504.00	3782718.00	0.94893	(08021624)
379514.00	3782718.00	0.91024	(08021624)	379524.00	3782718.00	0.87332	(08021624)
379534.00	3782718.00	0.83810	(08021624)	379544.00	3782718.00	0.80452	(08021624)
379554.00	3782718.00	0.77251	(08021624)	379514.00	3782728.00	0.87172	(08021624)
379524.00	3782728.00	0.83757	(08021624)	379534.00	3782728.00	0.80493	(08021624)
379544.00	3782728.00	0.77373	(08021624)	379524.00	3782738.00	0.80352	(08021624)
379534.00	3782738.00	0.77326	(08021624)				

*** AERMOD - VERSION 15181 *** Premier *** 03/14/16
 *** AERMET - VERSION 14134 *** Particulates (PM2.5) / Average Speed Scenario *** 17:13:01
 PAGE 39

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 1.19489 ON 08021624: AT (379494.00, 3782678.00, 175.00, 175.00, 16.50) DC

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

*** AERMOD - VERSION 15181 *** Premier *** 03/14/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 238 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 4 Calm Hours Identified

A Total of 234 Missing Hours Identified (2.66 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/20/2016 Time: 12:48:51 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_PM10_24_FIRST.DTA

Output File - F:\premier\model\PREMIER_PM10_24_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario *** 12:48:53

PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_PM10_24_FIRST.DTA

**Output Print File: PREMIER_PM10_24_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_PM10_24_FIRST.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:48:53

PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR	EMISSION RATE VARY BY
N_M_1	3	0.42200E-02	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	3	0.42200E-02	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	3	0.42200E-02	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	3	0.42200E-02	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	3	0.42200E-02	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	3	0.42200E-02	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	3	0.42200E-02	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	3	0.42200E-02	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	3	0.42200E-02	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	3	0.42200E-02	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	3	0.42200E-02	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	3	0.42200E-02	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	3	0.42200E-02	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	3	0.43400E-02	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	3	0.43400E-02	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	3	0.43400E-02	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	3	0.43400E-02	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	3	0.43400E-02	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	3	0.43400E-02	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	3	0.43400E-02	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	3	0.43400E-02	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	3	0.43400E-02	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	3	0.43400E-02	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	3	0.43400E-02	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	3	0.43400E-02	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	3	0.68300E-04	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	3	0.68300E-04	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	3	0.68300E-04	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	3	0.68300E-04	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	3	0.68300E-04	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	3	0.68300E-04	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	3	0.68300E-04	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	3	0.68300E-04	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	3	0.68300E-04	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	3	0.68300E-04	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	3	0.68300E-04	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	3	0.68300E-04	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	3	0.68300E-04	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	3	0.68300E-04	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	3	0.68300E-04	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
S_ON_V_16	3	0.68300E-04	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES
S_ON_V_17	3	0.68300E-04	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES
S_ON_V_18	3	0.68300E-04	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES
S_ON_V_19	3	0.68300E-04	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES
S_ON_V_20	3	0.68300E-04	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES
S_ON_V_21	3	0.68300E-04	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES
N_OFF_O_1	3	0.18700E-03	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES
N_OFF_O_2	3	0.18700E-03	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_3	3	0.18700E-03	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES
N_OFF_O_4	3	0.18700E-03	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_5	3	0.18700E-03	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES
N_OFF_O_6	3	0.18700E-03	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_7	3	0.18700E-03	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_8	3	0.18700E-03	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_9	3	0.18700E-03	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES
N_OFF_O_10	3	0.18700E-03	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES
S_OFF_V_1	3	0.25200E-04	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_2	3	0.25200E-04	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_3	3	0.25200E-04	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_4	3	0.25200E-04	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_5	3	0.25200E-04	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES
S_OFF_V_6	3	0.25200E-04	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES

S_OFF_V_7 3 0.25200E-04 379224.0 3782697.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_8 3 0.25200E-04 379228.8 3782692.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_9 3 0.25200E-04 379233.8 3782688.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_10 3 0.25200E-04 379238.7 3782683.8 175.0 0.00 3.12 2.18 YES
 S_OFF_V_11 3 0.25200E-04 379243.5 3782679.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_12 3 0.25200E-04 379248.1 3782674.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_13 3 0.25200E-04 379252.5 3782668.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_14 3 0.25200E-04 379256.8 3782663.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_15 3 0.25200E-04 379261.9 3782659.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_16 3 0.25200E-04 379266.5 3782655.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_17 3 0.25200E-04 379272.1 3782650.4 175.0 0.00 3.12 2.18 YES
 S_OFF_V_18 3 0.25200E-04 379277.3 3782646.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_19 3 0.25200E-04 379282.6 3782642.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_20 3 0.25200E-04 379288.0 3782638.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_21 3 0.25200E-04 379293.4 3782634.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_22 3 0.25200E-04 379299.1 3782631.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_23 3 0.25200E-04 379304.1 3782626.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_24 3 0.25200E-04 379308.8 3782621.4 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
 *** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:48:53
 PAGE 4
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
-----------	-------------	---------------------------	------------	------------	---------------------	-------------------------	-------------------	-------------------	-----------------------------

S_OFF_V_25 3 0.25200E-04 379311.3 3782615.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_26 3 0.25200E-04 379308.1 3782609.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_27 3 0.25200E-04 379304.1 3782604.0 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
 *** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:48:53
 PAGE 5
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 , S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 , S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 , N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 , S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario *** 12:48:53
PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario *** 12:48:53
PAGE 7

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 8

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 9

*** 03/20/16
*** 12:48:53

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 10

*** 03/20/16
*** 12:48:53

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =

1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 12

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 15

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 17

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 19

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario
PAGE 20
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** 03/20/16
*** 12:48:53

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario
PAGE 21
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** 03/20/16
*** 12:48:53

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 22

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 23

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 24

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 25

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 26

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:48:53

PAGE 27

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:48:53

PAGE 28

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 29

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 30

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_22 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 33

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_23 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_24 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_25 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 34

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_26 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_27 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 35

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5);	(379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5);	(379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5);	(379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5);	(379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5);	(379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5);	(379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5);	(379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5);	(379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5);	(379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5);	(379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5);	(379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5);	(379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALB REF WS WD HT REF TA HT IPCOD PRATE RH SFCP CCVR

08 01 01 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.56 999.00 999. -9. 281.4 6.*** -9.00 999. 992. 0
08 01 01 09 21.7 -9.000 -9.000 -9.000 53. -999. -99999.0 0.53 1.00 0.33 999.00 999. -9. 282.5 6.*** -9.00 999. 992. 0
08 01 01 10 70.5 -9.000 -9.000 -9.000 144. -999. -99999.0 0.53 1.00 0.25 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 11 105.7 -9.000 -9.000 -9.000 340. -999. -99999.0 0.53 1.00 0.22 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 12 124.1 -9.000 -9.000 -9.000 559. -999. -99999.0 0.53 1.00 0.21 999.00 999. -9. 294.9 6.*** -9.00 999. 992. 0
08 01 01 13 124.3 -9.000 -9.000 -9.000 709. -999. -99999.0 0.53 1.00 0.21 999.00 999. -9. 297.0 6.*** -9.00 999. 992. 0
08 01 01 14 104.3 -9.000 -9.000 -9.000 755. -999. -99999.0 0.53 1.00 0.22 999.00 999. -9. 294.2 6.*** -9.00 999. 992. 0
08 01 01 15 68.8 -9.000 -9.000 -9.000 786. -999. -99999.0 0.53 1.00 0.26 999.00 999. -9. 293.8 6.*** -9.00 999. 992. 0
08 01 01 16 19.1 -9.000 -9.000 -9.000 792. -999. -99999.0 0.53 1.00 0.34 999.00 999. -9. 292.0 6.*** -9.00 999. 992. 0
08 01 01 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.61 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 288.8 6.*** -9.00 999. 992. 0
08 01 01 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 287.0 6.*** -9.00 999. 992. 0
08 01 01 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:48:53

PAGE 38

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

379544.00	3782628.00	3.15011	(08021624)	379534.00	3782638.00	3.19416	(08021624)
379544.00	3782638.00	3.02397	(08021624)	379554.00	3782638.00	2.86457	(08021624)
379524.00	3782648.00	3.22923	(08021624)	379534.00	3782648.00	3.06055	(08021624)
379544.00	3782648.00	2.90218	(08021624)	379554.00	3782648.00	2.75357	(08021624)
379564.00	3782648.00	2.61414	(08021624)	379514.00	3782658.00	3.25488	(08021624)
379524.00	3782658.00	3.08867	(08021624)	379534.00	3782658.00	2.93214	(08021624)
379544.00	3782658.00	2.78490	(08021624)	379554.00	3782658.00	2.64647	(08021624)
379564.00	3782658.00	2.51633	(08021624)	379574.00	3782658.00	2.39402	(08021624)
379504.00	3782668.00	3.27086	(08021624)	379514.00	3782668.00	3.10793	(08021624)
379524.00	3782668.00	2.95408	(08021624)	379534.00	3782668.00	2.80895	(08021624)
379544.00	3782668.00	2.67217	(08021624)	379554.00	3782668.00	2.54331	(08021624)
379564.00	3782668.00	2.42194	(08021624)	379574.00	3782668.00	2.30759	(08021624)
379584.00	3782668.00	2.19984	(08021624)	379494.00	3782678.00	3.27708	(08021624)
379504.00	3782678.00	3.11819	(08021624)	379514.00	3782678.00	2.96776	(08021624)
379524.00	3782678.00	2.82547	(08021624)	379534.00	3782678.00	2.69101	(08021624)
379544.00	3782678.00	2.56402	(08021624)	379554.00	3782678.00	2.44414	(08021624)
379564.00	3782678.00	2.33095	(08021624)	379574.00	3782678.00	2.22408	(08021624)
379584.00	3782678.00	2.12315	(08021624)	379594.00	3782678.00	2.02781	(08021624)
379484.00	3782688.00	3.27358	(08021624)	379494.00	3782688.00	3.11946	(08021624)
379504.00	3782688.00	2.97310	(08021624)	379514.00	3782688.00	2.83430	(08021624)
379524.00	3782688.00	2.70278	(08021624)	379534.00	3782688.00	2.57825	(08021624)
379544.00	3782688.00	2.46039	(08021624)	379554.00	3782688.00	2.34886	(08021624)
379564.00	3782688.00	2.24334	(08021624)	379574.00	3782688.00	2.14348	(08021624)
379584.00	3782688.00	2.04897	(08021624)	379484.00	3782698.00	3.11186	(08021624)
379494.00	3782698.00	2.97018	(08021624)	379504.00	3782698.00	2.83544	(08021624)
379514.00	3782698.00	2.70741	(08021624)	379524.00	3782698.00	2.58587	(08021624)
379534.00	3782698.00	2.47056	(08021624)	379544.00	3782698.00	2.36117	(08021624)
379554.00	3782698.00	2.25744	(08021624)	379564.00	3782698.00	2.15906	(08021624)
379574.00	3782698.00	2.06577	(08021624)	379494.00	3782708.00	2.82898	(08021624)
379504.00	3782708.00	2.70495	(08021624)	379514.00	3782708.00	2.58688	(08021624)
379524.00	3782708.00	2.47458	(08021624)	379534.00	3782708.00	2.36779	(08021624)
379544.00	3782708.00	2.26627	(08021624)	379554.00	3782708.00	2.16978	(08021624)
379564.00	3782708.00	2.07807	(08021624)	379504.00	3782718.00	2.58134	(08021624)
379514.00	3782718.00	2.47247	(08021624)	379524.00	3782718.00	2.36868	(08021624)
379534.00	3782718.00	2.26977	(08021624)	379544.00	3782718.00	2.17552	(08021624)
379554.00	3782718.00	2.08575	(08021624)	379514.00	3782728.00	2.36387	(08021624)
379524.00	3782728.00	2.26793	(08021624)	379534.00	3782728.00	2.17628	(08021624)
379544.00	3782728.00	2.08878	(08021624)	379524.00	3782738.00	2.17208	(08021624)
379534.00	3782738.00	2.08716	(08021624)				

*** AERMOD - VERSION 15181 ***
*** Premier
*** 03/20/16
*** AERMET - VERSION 14134 ***
*** Particulates / Average Speed Scenario
*** 12:48:53

PAGE 39

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 3.27708 ON 08021624: AT (379494.00, 3782678.00, 175.00, 175.00, 16.50) DC

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

*** AERMOD - VERSION 15181 ***
*** Premier
*** 03/20/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 238 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 4 Calm Hours Identified

A Total of 234 Missing Hours Identified (2.66 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/20/2016 Time: 12:38:14 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_PM10_24_SECOND.DTA

Output File - F:\premier\model\PREMIER_PM10_24_SECOND.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:38:18

PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_PM10_24_SECOND.DTA

**Output Print File: PREMIER_PM10_24_SECOND.LST

**File for Summary of Results: F:\premier\model\PREMIER_PM10_24_SECOND.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:38:18
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	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	EMISSION RATE VARY BY
N_M_1	3	0.42200E-02	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	3	0.42200E-02	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	3	0.42200E-02	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	3	0.42200E-02	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	3	0.42200E-02	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	3	0.42200E-02	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	3	0.42200E-02	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	3	0.42200E-02	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	3	0.42200E-02	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	3	0.42200E-02	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	3	0.42200E-02	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	3	0.42200E-02	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	3	0.42200E-02	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	3	0.43400E-02	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	3	0.43400E-02	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	3	0.43400E-02	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	3	0.43400E-02	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	3	0.43400E-02	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	3	0.43400E-02	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	3	0.43400E-02	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	3	0.43400E-02	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	3	0.43400E-02	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	3	0.43400E-02	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	3	0.43400E-02	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	3	0.43400E-02	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	3	0.68300E-04	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	3	0.68300E-04	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	3	0.68300E-04	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	3	0.68300E-04	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	3	0.68300E-04	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	3	0.68300E-04	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	3	0.68300E-04	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	3	0.68300E-04	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	3	0.68300E-04	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	3	0.68300E-04	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	3	0.68300E-04	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	3	0.68300E-04	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	3	0.68300E-04	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	3	0.68300E-04	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	3	0.68300E-04	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
S_ON_V_16	3	0.68300E-04	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES
S_ON_V_17	3	0.68300E-04	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES
S_ON_V_18	3	0.68300E-04	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES
S_ON_V_19	3	0.68300E-04	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES
S_ON_V_20	3	0.68300E-04	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES
S_ON_V_21	3	0.68300E-04	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES
N_OFF_O_1	3	0.18700E-03	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES
N_OFF_O_2	3	0.18700E-03	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_3	3	0.18700E-03	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES
N_OFF_O_4	3	0.18700E-03	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_5	3	0.18700E-03	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES
N_OFF_O_6	3	0.18700E-03	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_7	3	0.18700E-03	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_8	3	0.18700E-03	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_9	3	0.18700E-03	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES
N_OFF_O_10	3	0.18700E-03	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES
S_OFF_V_1	3	0.25200E-04	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_2	3	0.25200E-04	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_3	3	0.25200E-04	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_4	3	0.25200E-04	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_5	3	0.25200E-04	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES
S_OFF_V_6	3	0.25200E-04	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES

S_OFF_V_7 3 0.25200E-04 379224.0 3782697.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_8 3 0.25200E-04 379228.8 3782692.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_9 3 0.25200E-04 379233.8 3782688.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_10 3 0.25200E-04 379238.7 3782683.8 175.0 0.00 3.12 2.18 YES
 S_OFF_V_11 3 0.25200E-04 379243.5 3782679.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_12 3 0.25200E-04 379248.1 3782674.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_13 3 0.25200E-04 379252.5 3782668.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_14 3 0.25200E-04 379256.8 3782663.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_15 3 0.25200E-04 379261.9 3782659.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_16 3 0.25200E-04 379266.5 3782655.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_17 3 0.25200E-04 379272.1 3782650.4 175.0 0.00 3.12 2.18 YES
 S_OFF_V_18 3 0.25200E-04 379277.3 3782646.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_19 3 0.25200E-04 379282.6 3782642.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_20 3 0.25200E-04 379288.0 3782638.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_21 3 0.25200E-04 379293.4 3782634.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_22 3 0.25200E-04 379299.1 3782631.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_23 3 0.25200E-04 379304.1 3782626.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_24 3 0.25200E-04 379308.8 3782621.4 175.0 0.00 3.12 2.18 YES

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/20/16
 *** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario *** 12:38:18
 PAGE 4
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE RELEASE (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR	VARY BY
-----------	-------------	---------------------------	------------	------------	-----------------------	-----------------------	-------------------	-------------------	--------------	----------------------	---------

S_OFF_V_25 3 0.25200E-04 379311.3 3782615.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_26 3 0.25200E-04 379308.1 3782609.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_27 3 0.25200E-04 379304.1 3782604.0 175.0 0.00 3.12 2.18 YES

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/20/16
 *** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario *** 12:38:18
 PAGE 5
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 , S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 , S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 , N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 , S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario *** 12:38:18
PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario *** 12:38:18
PAGE 7

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 8

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 9

*** 03/20/16
*** 12:38:18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 10

*** 03/20/16
*** 12:38:18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =

1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 12

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 15

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 16
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** 03/20/16
*** 12:38:18

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 17
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** 03/20/16
*** 12:38:18

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 19

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:38:18

PAGE 20

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:38:18

PAGE 21

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 22

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 23

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 24

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 25

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 26

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:38:18

PAGE 27

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:38:18

PAGE 28

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 29

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 30

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:38:18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_22 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 33

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_23 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_24 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_25 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 34

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_26 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_27 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 35

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 19.5);	(379534.0, 3782638.0, 175.0, 175.0, 19.5);
(379544.0, 3782638.0, 175.0, 175.0, 19.5);	(379554.0, 3782638.0, 175.0, 175.0, 19.5);
(379524.0, 3782648.0, 175.0, 175.0, 19.5);	(379534.0, 3782648.0, 175.0, 175.0, 19.5);
(379544.0, 3782648.0, 175.0, 175.0, 19.5);	(379554.0, 3782648.0, 175.0, 175.0, 19.5);
(379564.0, 3782648.0, 175.0, 175.0, 19.5);	(379514.0, 3782658.0, 175.0, 175.0, 19.5);
(379524.0, 3782658.0, 175.0, 175.0, 19.5);	(379534.0, 3782658.0, 175.0, 175.0, 19.5);
(379544.0, 3782658.0, 175.0, 175.0, 19.5);	(379554.0, 3782658.0, 175.0, 175.0, 19.5);
(379564.0, 3782658.0, 175.0, 175.0, 19.5);	(379574.0, 3782658.0, 175.0, 175.0, 19.5);
(379504.0, 3782668.0, 175.0, 175.0, 19.5);	(379514.0, 3782668.0, 175.0, 175.0, 19.5);
(379524.0, 3782668.0, 175.0, 175.0, 19.5);	(379534.0, 3782668.0, 175.0, 175.0, 19.5);
(379544.0, 3782668.0, 175.0, 175.0, 19.5);	(379554.0, 3782668.0, 175.0, 175.0, 19.5);
(379564.0, 3782668.0, 175.0, 175.0, 19.5);	(379574.0, 3782668.0, 175.0, 175.0, 19.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALB REF WS WD HT REF TA HT IPCOD PRATE RH SFCP CCVR

08 01 01 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.56 999.00 999. -9. 281.4 6.*** -9.00 999. 992. 0
08 01 01 09 21.7 -9.000 -9.000 -9.000 53. -999. -99999.0 0.53 1.00 0.33 999.00 999. -9. 282.5 6.*** -9.00 999. 992. 0
08 01 01 10 70.5 -9.000 -9.000 -9.000 144. -999. -99999.0 0.53 1.00 0.25 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 11 105.7 -9.000 -9.000 -9.000 340. -999. -99999.0 0.53 1.00 0.22 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 12 124.1 -9.000 -9.000 -9.000 559. -999. -99999.0 0.53 1.00 0.21 999.00 999. -9. 294.9 6.*** -9.00 999. 992. 0
08 01 01 13 124.3 -9.000 -9.000 -9.000 709. -999. -99999.0 0.53 1.00 0.21 999.00 999. -9. 297.0 6.*** -9.00 999. 992. 0
08 01 01 14 104.3 -9.000 -9.000 -9.000 755. -999. -99999.0 0.53 1.00 0.22 999.00 999. -9. 294.2 6.*** -9.00 999. 992. 0
08 01 01 15 68.8 -9.000 -9.000 -9.000 786. -999. -99999.0 0.53 1.00 0.26 999.00 999. -9. 293.8 6.*** -9.00 999. 992. 0
08 01 01 16 19.1 -9.000 -9.000 -9.000 792. -999. -99999.0 0.53 1.00 0.34 999.00 999. -9. 292.0 6.*** -9.00 999. 992. 0
08 01 01 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.61 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 288.8 6.*** -9.00 999. 992. 0
08 01 01 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 287.0 6.*** -9.00 999. 992. 0
08 01 01 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:38:18

PAGE 38

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

379544.00	3782628.00	2.70393	(08021624)	379534.00	3782638.00	2.73830	(08021624)
379544.00	3782638.00	2.61737	(08021624)	379554.00	3782638.00	2.50119	(08021624)
379524.00	3782648.00	2.76588	(08021624)	379534.00	3782648.00	2.64650	(08021624)
379544.00	3782648.00	2.53149	(08021624)	379554.00	3782648.00	2.42112	(08021624)
379564.00	3782648.00	2.31544	(08021624)	379514.00	3782658.00	2.78643	(08021624)
379524.00	3782658.00	2.66915	(08021624)	379534.00	3782658.00	2.55583	(08021624)
379544.00	3782658.00	2.44679	(08021624)	379554.00	3782658.00	2.34219	(08021624)
379564.00	3782658.00	2.24206	(08021624)	379574.00	3782658.00	2.14642	(08021624)
379504.00	3782668.00	2.79978	(08021624)	379514.00	3782668.00	2.68506	(08021624)
379524.00	3782668.00	2.57393	(08021624)	379534.00	3782668.00	2.46670	(08021624)
379544.00	3782668.00	2.36360	(08021624)	379554.00	3782668.00	2.26470	(08021624)
379564.00	3782668.00	2.17001	(08021624)	379574.00	3782668.00	2.07949	(08021624)
379584.00	3782668.00	1.99303	(08021624)	379494.00	3782678.00	2.80582	(08021624)
379504.00	3782678.00	2.69409	(08021624)	379514.00	3782678.00	2.58561	(08021624)
379524.00	3782678.00	2.48066	(08021624)	379534.00	3782678.00	2.37949	(08021624)
379544.00	3782678.00	2.28221	(08021624)	379554.00	3782678.00	2.18888	(08021624)
379564.00	3782678.00	2.09945	(08021624)	379574.00	3782678.00	2.01387	(08021624)
379584.00	3782678.00	1.93206	(08021624)	379594.00	3782678.00	1.85391	(08021624)
379484.00	3782688.00	2.80455	(08021624)	379494.00	3782688.00	2.69623	(08021624)
379504.00	3782688.00	2.59079	(08021624)	379514.00	3782688.00	2.48855	(08021624)
379524.00	3782688.00	2.38972	(08021624)	379534.00	3782688.00	2.29446	(08021624)
379544.00	3782688.00	2.20285	(08021624)	379554.00	3782688.00	2.11488	(08021624)
379564.00	3782688.00	2.03052	(08021624)	379574.00	3782688.00	1.94970	(08021624)
379584.00	3782688.00	1.87235	(08021624)	379484.00	3782698.00	2.69153	(08021624)
379494.00	3782698.00	2.58950	(08021624)	379504.00	3782698.00	2.49032	(08021624)
379514.00	3782698.00	2.39421	(08021624)	379524.00	3782698.00	2.30134	(08021624)
379534.00	3782698.00	2.21181	(08021624)	379544.00	3782698.00	2.12564	(08021624)
379554.00	3782698.00	2.04283	(08021624)	379564.00	3782698.00	1.96332	(08021624)
379574.00	3782698.00	1.88707	(08021624)	379494.00	3782708.00	2.48603	(08021624)
379504.00	3782708.00	2.39298	(08021624)	379514.00	3782708.00	2.30284	(08021624)
379524.00	3782708.00	2.21572	(08021624)	379534.00	3782708.00	2.13167	(08021624)
379544.00	3782708.00	2.05071	(08021624)	379554.00	3782708.00	1.97282	(08021624)
379564.00	3782708.00	1.89795	(08021624)	379504.00	3782718.00	2.29895	(08021624)
379514.00	3782718.00	2.21455	(08021624)	379524.00	3782718.00	2.13293	(08021624)
379534.00	3782718.00	2.05411	(08021624)	379544.00	3782718.00	1.97810	(08021624)
379554.00	3782718.00	1.90489	(08021624)	379514.00	3782728.00	2.12941	(08021624)
379524.00	3782728.00	2.05301	(08021624)	379534.00	3782728.00	1.97915	(08021624)
379544.00	3782728.00	1.90784	(08021624)	379524.00	3782738.00	1.97598	(08021624)
379534.00	3782738.00	1.90681	(08021624)				

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
 *** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:38:18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 2.80582 ON 08021624: AT (379494.00, 3782678.00, 175.00, 175.00, 19.50) DC

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

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 238 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 4 Calm Hours Identified

A Total of 234 Missing Hours Identified (2.66 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/20/2016 Time: 12:18:23 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_PM10_A_FIRST.DTA

Output File - F:\premier\model\PREMIER_PM10_A_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:18:37

PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates ANNUAL Averages Only

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_PM10_A_FIRST.DTA

**Output Print File: PREMIER_PM10_A_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_PM10_A_FIRST.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:18:37

PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	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	EMISSION RATE VARY BY
N_M_1	3	0.42200E-02	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	3	0.42200E-02	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	3	0.42200E-02	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	3	0.42200E-02	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	3	0.42200E-02	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	3	0.42200E-02	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	3	0.42200E-02	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	3	0.42200E-02	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	3	0.42200E-02	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	3	0.42200E-02	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	3	0.42200E-02	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	3	0.42200E-02	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	3	0.42200E-02	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	3	0.43400E-02	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	3	0.43400E-02	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	3	0.43400E-02	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	3	0.43400E-02	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	3	0.43400E-02	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	3	0.43400E-02	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	3	0.43400E-02	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	3	0.43400E-02	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	3	0.43400E-02	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	3	0.43400E-02	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	3	0.43400E-02	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	3	0.43400E-02	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	3	0.68300E-04	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	3	0.68300E-04	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	3	0.68300E-04	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	3	0.68300E-04	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	3	0.68300E-04	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	3	0.68300E-04	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	3	0.68300E-04	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	3	0.68300E-04	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	3	0.68300E-04	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	3	0.68300E-04	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	3	0.68300E-04	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	3	0.68300E-04	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	3	0.68300E-04	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	3	0.68300E-04	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	3	0.68300E-04	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
S_ON_V_16	3	0.68300E-04	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES
S_ON_V_17	3	0.68300E-04	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES
S_ON_V_18	3	0.68300E-04	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES
S_ON_V_19	3	0.68300E-04	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES
S_ON_V_20	3	0.68300E-04	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES
S_ON_V_21	3	0.68300E-04	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES
N_OFF_O_1	3	0.18700E-03	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES
N_OFF_O_2	3	0.18700E-03	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_3	3	0.18700E-03	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES
N_OFF_O_4	3	0.18700E-03	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_5	3	0.18700E-03	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES
N_OFF_O_6	3	0.18700E-03	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_7	3	0.18700E-03	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_8	3	0.18700E-03	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_9	3	0.18700E-03	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES
N_OFF_O_10	3	0.18700E-03	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES
S_OFF_V_1	3	0.25200E-04	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_2	3	0.25200E-04	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_3	3	0.25200E-04	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_4	3	0.25200E-04	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_5	3	0.25200E-04	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES
S_OFF_V_6	3	0.25200E-04	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES

S_OFF_V_7 3 0.25200E-04 379224.0 3782697.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_8 3 0.25200E-04 379228.8 3782692.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_9 3 0.25200E-04 379233.8 3782688.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_10 3 0.25200E-04 379238.7 3782683.8 175.0 0.00 3.12 2.18 YES
 S_OFF_V_11 3 0.25200E-04 379243.5 3782679.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_12 3 0.25200E-04 379248.1 3782674.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_13 3 0.25200E-04 379252.5 3782668.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_14 3 0.25200E-04 379256.8 3782663.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_15 3 0.25200E-04 379261.9 3782659.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_16 3 0.25200E-04 379266.5 3782655.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_17 3 0.25200E-04 379272.1 3782650.4 175.0 0.00 3.12 2.18 YES
 S_OFF_V_18 3 0.25200E-04 379277.3 3782646.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_19 3 0.25200E-04 379282.6 3782642.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_20 3 0.25200E-04 379288.0 3782638.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_21 3 0.25200E-04 379293.4 3782634.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_22 3 0.25200E-04 379299.1 3782631.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_23 3 0.25200E-04 379304.1 3782626.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_24 3 0.25200E-04 379308.8 3782621.4 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
 *** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:18:37
 PAGE 4
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
-----------	-------------	---------------------------	------------	------------	---------------------	-------------------------	-------------------	-------------------	-----------------------------

S_OFF_V_25 3 0.25200E-04 379311.3 3782615.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_26 3 0.25200E-04 379308.1 3782609.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_27 3 0.25200E-04 379304.1 3782604.0 175.0 0.00 3.12 2.18 YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/20/16
 *** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario *** 12:18:37
 PAGE 5
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 , S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 , S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 , N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 , S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario *** 12:18:37
PAGE 6
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario *** 12:18:37
PAGE 7
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 8

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 9

*** 03/20/16
*** 12:18:37

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 10

*** 03/20/16
*** 12:18:37

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_M_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =

1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 12

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_M_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 15

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_M_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 16
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** 03/20/16
*** 12:18:37

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario
PAGE 17
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** 03/20/16
*** 12:18:37

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 18

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =

0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 19

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:18:37

PAGE 20

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:18:37

PAGE 21

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_ON_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 22

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_ON_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 23

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 24

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 25

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = N_OFF_O_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = N_OFF_O_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_1 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 26

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_2 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_3 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_4 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:18:37

PAGE 27

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_5 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_6 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_7 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 03/20/16
*** 12:18:37

PAGE 28

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_8 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_9 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_10 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** ** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** ** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 29

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_11 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_12 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_13 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 30

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_14 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_15 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_16 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_17 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_18 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_19 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_20 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =

2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_21 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_22 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 33

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_23 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_24 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_25 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 34

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** SOURCE PARTICULATE/GAS DATA ***

*** SOURCE ID = S_OFF_V_26 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

*** SOURCE ID = S_OFF_V_27 ; SOURCE TYPE = VOLUME ***

MASS FRACTION =
0.07870, 0.12920, 0.79220,

PARTICLE DIAMETER (MICRONS) =
1.00000, 2.50000, 10.00000,

PARTICLE DENSITY (G/CM**3) =
2.30000, 2.30000, 2.30000,

☐ *** AERMOD - VERSION 15181 *** *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 35

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5);	(379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5);	(379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5);	(379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5);	(379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5);	(379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5);	(379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5);	(379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5);	(379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5);	(379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5);	(379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5);	(379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5);	(379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY HR H0 U* W* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALB REF WS WD HT REF TA HT IPCOD PRATE RH SFCP CCVR

08 01 01 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 280.9 6.*** -9.00 999. 992. 0
08 01 01 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 279.2 6.*** -9.00 999. 992. 0
08 01 01 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 278.8 6.*** -9.00 999. 992. 0
08 01 01 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.56 999.00 999. -9. 281.4 6.*** -9.00 999. 992. 0
08 01 01 09 21.7 -9.000 -9.000 -9.000 53. -999. -99999.0 0.53 1.00 0.33 999.00 999. -9. 282.5 6.*** -9.00 999. 992. 0
08 01 01 10 70.5 -9.000 -9.000 -9.000 144. -999. -99999.0 0.53 1.00 0.25 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 11 105.7 -9.000 -9.000 -9.000 340. -999. -99999.0 0.53 1.00 0.22 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 12 124.1 -9.000 -9.000 -9.000 559. -999. -99999.0 0.53 1.00 0.21 999.00 999. -9. 294.9 6.*** -9.00 999. 992. 0
08 01 01 13 124.3 -9.000 -9.000 -9.000 709. -999. -99999.0 0.53 1.00 0.21 999.00 999. -9. 297.0 6.*** -9.00 999. 992. 0
08 01 01 14 104.3 -9.000 -9.000 -9.000 755. -999. -99999.0 0.53 1.00 0.22 999.00 999. -9. 294.2 6.*** -9.00 999. 992. 0
08 01 01 15 68.8 -9.000 -9.000 -9.000 786. -999. -99999.0 0.53 1.00 0.26 999.00 999. -9. 293.8 6.*** -9.00 999. 992. 0
08 01 01 16 19.1 -9.000 -9.000 -9.000 792. -999. -99999.0 0.53 1.00 0.34 999.00 999. -9. 292.0 6.*** -9.00 999. 992. 0
08 01 01 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 0.61 999.00 999. -9. 290.9 6.*** -9.00 999. 992. 0
08 01 01 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 288.8 6.*** -9.00 999. 992. 0
08 01 01 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 287.0 6.*** -9.00 999. 992. 0
08 01 01 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 286.4 6.*** -9.00 999. 992. 0
08 01 01 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0
08 01 01 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9. 284.9 6.*** -9.00 999. 992. 0

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/20/16

*** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario

*** 12:18:37

PAGE 38

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC

379544.00	3782628.00	1.33838	379534.00	3782638.00	1.35460
379544.00	3782638.00	1.30252	379554.00	3782638.00	1.25155
379524.00	3782648.00	1.36798	379534.00	3782648.00	1.31655
379544.00	3782648.00	1.26613	379554.00	3782648.00	1.21693
379564.00	3782648.00	1.16913	379514.00	3782658.00	1.37849
379524.00	3782658.00	1.32785	379534.00	3782658.00	1.27812
379544.00	3782658.00	1.22952	379554.00	3782658.00	1.18220
379564.00	3782658.00	1.13631	379574.00	3782658.00	1.09193
379504.00	3782668.00	1.38617	379514.00	3782668.00	1.33646
379524.00	3782668.00	1.28755	379534.00	3782668.00	1.23967
379544.00	3782668.00	1.19299	379554.00	3782668.00	1.14762
379564.00	3782668.00	1.10367	379574.00	3782668.00	1.06119
379584.00	3782668.00	1.02024	379494.00	3782678.00	1.39094
379504.00	3782678.00	1.34236	379514.00	3782678.00	1.29444
379524.00	3782678.00	1.24742	379534.00	3782678.00	1.20150
379544.00	3782678.00	1.15679	379554.00	3782678.00	1.11339
379564.00	3782678.00	1.07138	379574.00	3782678.00	1.03080
379584.00	3782678.00	0.99169	379594.00	3782678.00	0.95406
379484.00	3782688.00	1.39261	379494.00	3782688.00	1.34541
379504.00	3782688.00	1.29871	379514.00	3782688.00	1.25275
379524.00	3782688.00	1.20774	379534.00	3782688.00	1.16382
379544.00	3782688.00	1.12111	379554.00	3782688.00	1.07969
379564.00	3782688.00	1.03960	379574.00	3782688.00	1.00089
379584.00	3782688.00	0.96358	379484.00	3782698.00	1.34548
379494.00	3782698.00	1.30023	379504.00	3782698.00	1.25555
379514.00	3782698.00	1.21166	379524.00	3782698.00	1.16871
379534.00	3782698.00	1.12683	379544.00	3782698.00	1.08612
379554.00	3782698.00	1.04664	379564.00	3782698.00	1.00845
379574.00	3782698.00	0.97156	379494.00	3782708.00	1.25574
379504.00	3782708.00	1.21316	379514.00	3782708.00	1.17137
379524.00	3782708.00	1.13050	379534.00	3782708.00	1.09065
379544.00	3782708.00	1.05192	379554.00	3782708.00	1.01436
379564.00	3782708.00	0.97801	379504.00	3782718.00	1.17173
379514.00	3782718.00	1.13204	379524.00	3782718.00	1.09322
379534.00	3782718.00	1.05538	379544.00	3782718.00	1.01859
379554.00	3782718.00	0.98289	379514.00	3782728.00	1.09378
379524.00	3782728.00	1.05698	379534.00	3782728.00	1.02108
379544.00	3782728.00	0.98617	379524.00	3782738.00	1.02180
379534.00	3782738.00	0.98780			

*** AERMOD - VERSION 15181 *** Premier *** 03/20/16
 *** AERMET - VERSION 14134 *** Particulates / Average Speed Scenario *** 12:18:37
 PAGE 39

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

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

NETWORK

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
ALL	1.39261	AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC
	1.39094	AT (379494.00, 3782678.00, 175.00, 175.00, 16.50) DC
	1.38617	AT (379504.00, 3782668.00, 175.00, 175.00, 16.50) DC
	1.37849	AT (379514.00, 3782658.00, 175.00, 175.00, 16.50) DC
	1.36798	AT (379524.00, 3782648.00, 175.00, 175.00, 16.50) DC
	1.35460	AT (379534.00, 3782638.00, 175.00, 175.00, 16.50) DC
	1.34548	AT (379484.00, 3782698.00, 175.00, 175.00, 16.50) DC
	1.34541	AT (379494.00, 3782688.00, 175.00, 175.00, 16.50) DC

9TH HIGHEST VALUE IS 1.34236 AT (379504.00, 3782678.00, 175.00, 175.00, 16.50) DC
10TH HIGHEST VALUE IS 1.33838 AT (379544.00, 3782628.00, 175.00, 175.00, 16.50) DC

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

☐ *** AERMOD - VERSION 15181 *** *** Premier *** 03/20/16
*** AERMET - VERSION 14134 *** *** Particulates / Average Speed Scenario *** 12:18:37
PAGE 40
**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL DRYDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 311 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 2 Calm Hours Identified

A Total of 71 Missing Hours Identified (0.81 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/15/2016 Time: 4:35:59 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_TOG_DIESEL_1_FIRST.DTA

Output File - F:\premier\model\PREMIER_TOG_DIESEL_1_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Minimum Speed Scenario *** 16:36:01
PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT 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 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_TOG_DIESEL_1_FIRST.DTA

**Output Print File: PREMIER_TOG_DIESEL_1_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_TOG_DIESEL_1_FIRST.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Total Organic Gases (Diesel) / Minimum Speed Scenario *** 16:36:01
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR	EMISSION RATE VARY BY
N_M_1	0	0.30300E-03	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	0	0.30300E-03	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	0	0.30300E-03	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	0	0.30300E-03	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	0	0.30300E-03	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	0	0.30300E-03	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	0	0.30300E-03	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	0	0.30300E-03	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	0	0.30300E-03	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	0	0.30300E-03	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	0	0.30300E-03	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	0	0.30300E-03	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	0	0.30300E-03	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	0	0.30700E-03	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	0	0.30700E-03	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	0	0.30700E-03	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	0	0.30700E-03	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	0	0.30700E-03	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	0	0.30700E-03	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	0	0.30700E-03	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	0	0.30700E-03	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	0	0.30700E-03	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	0	0.30700E-03	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	0	0.30700E-03	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	0	0.30700E-03	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	0	0.19300E-05	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	0	0.19300E-05	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	0	0.19300E-05	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	0	0.19300E-05	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	0	0.19300E-05	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	0	0.19300E-05	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	0	0.19300E-05	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	0	0.19300E-05	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	0	0.19300E-05	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	0	0.19300E-05	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	0	0.19300E-05	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	0	0.19300E-05	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	0	0.19300E-05	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	0	0.19300E-05	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	0	0.19300E-05	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Minimum Speed Scenario *** 16:36:01

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE (METERS)	SCALAR VARY BY
S_ON_V_16	0	0.19300E-05	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES	
S_ON_V_17	0	0.19300E-05	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES	
S_ON_V_18	0	0.19300E-05	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES	
S_ON_V_19	0	0.19300E-05	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES	
S_ON_V_20	0	0.19300E-05	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES	
S_ON_V_21	0	0.19300E-05	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES	
N_OFF_O_1	0	0.34200E-04	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES	
N_OFF_O_2	0	0.34200E-04	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_3	0	0.34200E-04	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES	
N_OFF_O_4	0	0.34200E-04	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_5	0	0.34200E-04	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES	
N_OFF_O_6	0	0.34200E-04	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_7	0	0.34200E-04	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_8	0	0.34200E-04	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_9	0	0.34200E-04	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES	
N_OFF_O_10	0	0.34200E-04	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES	
S_OFF_V_1	0	0.47800E-05	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_2	0	0.47800E-05	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES	
S_OFF_V_3	0	0.47800E-05	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_4	0	0.47800E-05	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES	
S_OFF_V_5	0	0.47800E-05	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES	
S_OFF_V_6	0	0.47800E-05	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES	

S_OFF_V_7	0	0.47800E-05	379224.0	3782697.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_8	0	0.47800E-05	379228.8	3782692.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_9	0	0.47800E-05	379233.8	3782688.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_10	0	0.47800E-05	379238.7	3782683.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_11	0	0.47800E-05	379243.5	3782679.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_12	0	0.47800E-05	379248.1	3782674.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_13	0	0.47800E-05	379252.5	3782668.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_14	0	0.47800E-05	379256.8	3782663.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_15	0	0.47800E-05	379261.9	3782659.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_16	0	0.47800E-05	379266.5	3782655.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_17	0	0.47800E-05	379272.1	3782650.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_18	0	0.47800E-05	379277.3	3782646.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_19	0	0.47800E-05	379282.6	3782642.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_20	0	0.47800E-05	379288.0	3782638.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_21	0	0.47800E-05	379293.4	3782634.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_22	0	0.47800E-05	379299.1	3782631.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_23	0	0.47800E-05	379304.1	3782626.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_24	0	0.47800E-05	379308.8	3782621.4	175.0	0.00	3.12	2.18	YES

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** ** Total Organic Gases (Diesel) / Minimum Speed Scenario *** 16:36:01

PAGE 4

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
-----------	-------------	---------------------------	------------	------------	---------------------	-------------------------	-------------------	-------------------	-----------------------------

S_OFF_V_25	0	0.47800E-05	379311.3	3782615.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_26	0	0.47800E-05	379308.1	3782609.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_27	0	0.47800E-05	379304.1	3782604.0	175.0	0.00	3.12	2.18	YES

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** ** Total Organic Gases (Diesel) / Minimum Speed Scenario *** 16:36:01

PAGE 5

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Minimum Speed Scenario *** 16:36:01
PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Minimum Speed Scenario *** 16:36:01
PAGE 7

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5); (379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5); (379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5); (379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5); (379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5); (379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5); (379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5); (379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5); (379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5); (379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5); (379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5); (379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5); (379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY JDY HR HO U* W* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALBEDO REF WS WD HT REF TA HT

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	ZO	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.56	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	21.7	-9.000	-9.000	-9.000	53.	-999.	-999999.0	0.53	1.00	0.33	999.00	999.	-9.0	282.5	5.5			
08	01	01	1	10	70.5	-9.000	-9.000	-9.000	144.	-999.	-999999.0	0.53	1.00	0.25	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	11	105.7	-9.000	-9.000	-9.000	340.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	12	124.1	-9.000	-9.000	-9.000	559.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	13	124.3	-9.000	-9.000	-9.000	709.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	297.0	5.5			
08	01	01	1	14	104.3	-9.000	-9.000	-9.000	755.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	15	68.8	-9.000	-9.000	-9.000	786.	-999.	-999999.0	0.53	1.00	0.26	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	16	19.1	-9.000	-9.000	-9.000	792.	-999.	-999999.0	0.53	1.00	0.34	999.00	999.	-9.0	292.0	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.61	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

☐ *** AERMOD - VERSION 15181 *** Premier

*** 03/15/16

*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Minimum Speed Scenario

*** 16:36:01

PAGE 10

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,

N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,

S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,

S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

379544.00	3782628.00	0.43784	(10093024)	379534.00	3782638.00	0.42740	(10121916)
379544.00	3782638.00	0.42174	(10092720)	379554.00	3782638.00	0.41986	(10092720)
379524.00	3782648.00	0.43498	(10121916)	379534.00	3782648.00	0.42184	(10121916)
379544.00	3782648.00	0.40930	(10121916)	379554.00	3782648.00	0.40190	(10092720)
379564.00	3782648.00	0.39715	(10092720)	379514.00	3782658.00	0.44822	(10121916)
379524.00	3782658.00	0.43171	(10121916)	379534.00	3782658.00	0.41617	(10121916)
379544.00	3782658.00	0.40195	(10121916)	379554.00	3782658.00	0.38871	(10121916)
379564.00	3782658.00	0.37835	(10092701)	379574.00	3782658.00	0.37383	(10100819)
379504.00	3782668.00	0.46363	(10121916)	379514.00	3782668.00	0.44613	(10121916)
379524.00	3782668.00	0.42784	(10121916)	379534.00	3782668.00	0.41056	(10121916)
379544.00	3782668.00	0.39491	(10121916)	379554.00	3782668.00	0.38075	(10121916)
379564.00	3782668.00	0.36759	(10121916)	379574.00	3782668.00	0.36232	(10100819)
379584.00	3782668.00	0.35948	(10100819)	379494.00	3782678.00	0.47485	(10121916)
379504.00	3782678.00	0.46038	(10121916)	379514.00	3782678.00	0.44241	(10121916)
379524.00	3782678.00	0.42333	(10121916)	379534.00	3782678.00	0.40497	(10121916)
379544.00	3782678.00	0.38825	(10121916)	379554.00	3782678.00	0.37326	(10121916)
379564.00	3782678.00	0.35964	(10121916)	379574.00	3782678.00	0.34976	(10010817)
379584.00	3782678.00	0.34752	(10010817)	379594.00	3782678.00	0.34494	(10010817)
379484.00	3782688.00	0.47855	(10121916)	379494.00	3782688.00	0.46903	(10121916)
379504.00	3782688.00	0.45477	(10121916)	379514.00	3782688.00	0.43717	(10121916)
379524.00	3782688.00	0.41810	(10121916)	379534.00	3782688.00	0.39932	(10121916)
379544.00	3782688.00	0.38192	(10121916)	379554.00	3782688.00	0.36627	(10121916)
379564.00	3782688.00	0.35221	(10121916)	379574.00	3782688.00	0.33931	(10121916)
379584.00	3782688.00	0.33654	(10052921)	379484.00	3782698.00	0.47067	(10121916)
379494.00	3782698.00	0.46094	(10121916)	379504.00	3782698.00	0.44733	(10121916)
379514.00	3782698.00	0.43059	(10121916)	379524.00	3782698.00	0.41215	(10121916)
379534.00	3782698.00	0.39351	(10121916)	379544.00	3782698.00	0.37585	(10121916)
379554.00	3782698.00	0.35977	(10121916)	379564.00	3782698.00	0.34532	(10121916)
379574.00	3782698.00	0.33223	(10121916)	379494.00	3782708.00	0.45129	(10121916)
379504.00	3782708.00	0.43851	(10121916)	379514.00	3782708.00	0.42293	(10121916)
379524.00	3782708.00	0.40550	(10121916)	379534.00	3782708.00	0.38745	(10121916)
379544.00	3782708.00	0.36992	(10121916)	379554.00	3782708.00	0.35367	(10121916)
379564.00	3782708.00	0.33895	(10121916)	379504.00	3782718.00	0.42873	(10121916)
379514.00	3782718.00	0.41443	(10121916)	379524.00	3782718.00	0.39823	(10121916)
379534.00	3782718.00	0.38109	(10121916)	379544.00	3782718.00	0.36403	(10121916)
379554.00	3782718.00	0.34788	(10121916)	379514.00	3782728.00	0.40530	(10121916)
379524.00	3782728.00	0.39044	(10121916)	379534.00	3782728.00	0.37441	(10121916)
379544.00	3782728.00	0.35809	(10121916)	379524.00	3782738.00	0.38224	(10121916)
379534.00	3782738.00	0.36744	(10121916)				

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Minimum Speed Scenario *** 16:36:01

PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 0.47855 ON 10121916: AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 662 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 3 Calm Hours Identified

A Total of 348 Missing Hours Identified (3.97 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/15/2016 Time: 4:48:09 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_TOG_DIESEL_8_FIRST.DTA

Output File - F:\premier\model\PREMIER_TOG_DIESEL_8_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11
PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT 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 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 8-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_TOG_DIESEL_8_FIRST.DTA

**Output Print File: PREMIER_TOG_DIESEL_8_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_TOG_DIESEL_8_FIRST.SUM

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR	EMISSION RATE VARY BY
N_M_1	0	0.32900E-04	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	0	0.32900E-04	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	0	0.32900E-04	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	0	0.32900E-04	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	0	0.32900E-04	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	0	0.32900E-04	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	0	0.32900E-04	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	0	0.32900E-04	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	0	0.32900E-04	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	0	0.32900E-04	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	0	0.32900E-04	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	0	0.32900E-04	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	0	0.32900E-04	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	0	0.33800E-04	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	0	0.33800E-04	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	0	0.33800E-04	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	0	0.33800E-04	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	0	0.33800E-04	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	0	0.33800E-04	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	0	0.33800E-04	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	0	0.33800E-04	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	0	0.33800E-04	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	0	0.33800E-04	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	0	0.33800E-04	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	0	0.33800E-04	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	0	0.19300E-05	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	0	0.19300E-05	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	0	0.19300E-05	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	0	0.19300E-05	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	0	0.19300E-05	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	0	0.19300E-05	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	0	0.19300E-05	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	0	0.19300E-05	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	0	0.19300E-05	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	0	0.19300E-05	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	0	0.19300E-05	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	0	0.19300E-05	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	0	0.19300E-05	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	0	0.19300E-05	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	0	0.19300E-05	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	SY (METERS)	SZ (METERS)	URBAN EMISSION RATE (METERS)	SCALAR VARY BY
S_ON_V_16	0	0.19300E-05	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES	
S_ON_V_17	0	0.19300E-05	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES	
S_ON_V_18	0	0.19300E-05	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES	
S_ON_V_19	0	0.19300E-05	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES	
S_ON_V_20	0	0.19300E-05	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES	
S_ON_V_21	0	0.19300E-05	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES	
N_OFF_O_1	0	0.34200E-04	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES	
N_OFF_O_2	0	0.34200E-04	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_3	0	0.34200E-04	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES	
N_OFF_O_4	0	0.34200E-04	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_5	0	0.34200E-04	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES	
N_OFF_O_6	0	0.34200E-04	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_7	0	0.34200E-04	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_8	0	0.34200E-04	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_9	0	0.34200E-04	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES	
N_OFF_O_10	0	0.34200E-04	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES	
S_OFF_V_1	0	0.47800E-05	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_2	0	0.47800E-05	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES	
S_OFF_V_3	0	0.47800E-05	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_4	0	0.47800E-05	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES	
S_OFF_V_5	0	0.47800E-05	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES	
S_OFF_V_6	0	0.47800E-05	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES	

S_OFF_V_7	0	0.47800E-05	379224.0	3782697.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_8	0	0.47800E-05	379228.8	3782692.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_9	0	0.47800E-05	379233.8	3782688.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_10	0	0.47800E-05	379238.7	3782683.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_11	0	0.47800E-05	379243.5	3782679.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_12	0	0.47800E-05	379248.1	3782674.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_13	0	0.47800E-05	379252.5	3782668.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_14	0	0.47800E-05	379256.8	3782663.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_15	0	0.47800E-05	379261.9	3782659.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_16	0	0.47800E-05	379266.5	3782655.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_17	0	0.47800E-05	379272.1	3782650.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_18	0	0.47800E-05	379277.3	3782646.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_19	0	0.47800E-05	379282.6	3782642.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_20	0	0.47800E-05	379288.0	3782638.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_21	0	0.47800E-05	379293.4	3782634.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_22	0	0.47800E-05	379299.1	3782631.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_23	0	0.47800E-05	379304.1	3782626.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_24	0	0.47800E-05	379308.8	3782621.4	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11

PAGE 4

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
-----------	-------------	---------------------------	------------	------------	---------------------	-------------------------	-------------------	-------------------	-----------------------------

S_OFF_V_25	0	0.47800E-05	379311.3	3782615.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_26	0	0.47800E-05	379308.1	3782609.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_27	0	0.47800E-05	379304.1	3782604.0	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11

PAGE 5

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 , S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 , S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 , N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 , S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11
PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11
PAGE 7

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5); (379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5); (379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5); (379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5); (379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5); (379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5); (379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5); (379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5); (379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5); (379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5); (379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5); (379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5); (379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY JDY HR HO U* W* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALBEDO REF WS WD HT REF TA HT

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	ZO	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.56	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	21.7	-9.000	-9.000	-9.000	53.	-999.	-999999.0	0.53	1.00	0.33	999.00	999.	-9.0	282.5	5.5			
08	01	01	1	10	70.5	-9.000	-9.000	-9.000	144.	-999.	-999999.0	0.53	1.00	0.25	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	11	105.7	-9.000	-9.000	-9.000	340.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	12	124.1	-9.000	-9.000	-9.000	559.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	13	124.3	-9.000	-9.000	-9.000	709.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	297.0	5.5			
08	01	01	1	14	104.3	-9.000	-9.000	-9.000	755.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	15	68.8	-9.000	-9.000	-9.000	786.	-999.	-999999.0	0.53	1.00	0.26	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	16	19.1	-9.000	-9.000	-9.000	792.	-999.	-999999.0	0.53	1.00	0.34	999.00	999.	-9.0	292.0	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.61	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11

PAGE 10

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

379544.00	3782628.00	0.07307	(08022024)	379534.00	3782638.00	0.07322	(08022024)
379544.00	3782638.00	0.06931	(08022024)	379554.00	3782638.00	0.06564	(08022024)
379524.00	3782648.00	0.07442	(08021708)	379534.00	3782648.00	0.06998	(08021708)
379544.00	3782648.00	0.06585	(08021708)	379554.00	3782648.00	0.06202	(08021708)
379564.00	3782648.00	0.05865	(08022024)	379514.00	3782658.00	0.07632	(08021708)
379524.00	3782658.00	0.07186	(08021708)	379534.00	3782658.00	0.06768	(08021708)
379544.00	3782658.00	0.06379	(08021708)	379554.00	3782658.00	0.06017	(08021708)
379564.00	3782658.00	0.05681	(08021708)	379574.00	3782658.00	0.05468	(08040308)
379504.00	3782668.00	0.07783	(08021708)	379514.00	3782668.00	0.07342	(08021708)
379524.00	3782668.00	0.06925	(08021708)	379534.00	3782668.00	0.06534	(08021708)
379544.00	3782668.00	0.06168	(08021708)	379554.00	3782668.00	0.05828	(08021708)
379564.00	3782668.00	0.05512	(08021708)	379574.00	3782668.00	0.05344	(08040308)
379584.00	3782668.00	0.05273	(08040308)	379494.00	3782678.00	0.07891	(08021708)
379504.00	3782678.00	0.07459	(08021708)	379514.00	3782678.00	0.07049	(08021708)
379524.00	3782678.00	0.06662	(08021708)	379534.00	3782678.00	0.06298	(08021708)
379544.00	3782678.00	0.05957	(08021708)	379554.00	3782678.00	0.05639	(08021708)
379564.00	3782678.00	0.05342	(08021708)	379574.00	3782678.00	0.05162	(08040308)
379584.00	3782678.00	0.05097	(08040308)	379594.00	3782678.00	0.05025	(08040308)
379484.00	3782688.00	0.07951	(08021708)	379494.00	3782688.00	0.07535	(08021708)
379504.00	3782688.00	0.07137	(08021708)	379514.00	3782688.00	0.06758	(08021708)
379524.00	3782688.00	0.06400	(08021708)	379534.00	3782688.00	0.06062	(08021708)
379544.00	3782688.00	0.05745	(08021708)	379554.00	3782688.00	0.05449	(08021708)
379564.00	3782688.00	0.05171	(08021708)	379574.00	3782688.00	0.04938	(08040308)
379584.00	3782688.00	0.04880	(08040308)	379484.00	3782698.00	0.07567	(08021708)
379494.00	3782698.00	0.07186	(08021708)	379504.00	3782698.00	0.06821	(08021708)
379514.00	3782698.00	0.06472	(08021708)	379524.00	3782698.00	0.06142	(08021708)
379534.00	3782698.00	0.05830	(08021708)	379544.00	3782698.00	0.05536	(08021708)
379554.00	3782698.00	0.05260	(08021708)	379564.00	3782698.00	0.05001	(08021708)
379574.00	3782698.00	0.04827	(08110124)	379494.00	3782708.00	0.06847	(08021708)
379504.00	3782708.00	0.06513	(08021708)	379514.00	3782708.00	0.06193	(08021708)
379524.00	3782708.00	0.05890	(08021708)	379534.00	3782708.00	0.05602	(08021708)
379544.00	3782708.00	0.05330	(08021708)	379554.00	3782708.00	0.05074	(08021708)
379564.00	3782708.00	0.04851	(08121624)	379504.00	3782718.00	0.06215	(08021708)
379514.00	3782718.00	0.05923	(08021708)	379524.00	3782718.00	0.05644	(08021708)
379534.00	3782718.00	0.05380	(08021708)	379544.00	3782718.00	0.05128	(08021708)
379554.00	3782718.00	0.04962	(08121624)	379514.00	3782728.00	0.05662	(08021708)
379524.00	3782728.00	0.05407	(08021708)	379534.00	3782728.00	0.05164	(08021708)
379544.00	3782728.00	0.05007	(08121624)	379524.00	3782738.00	0.05179	(08021708)
379534.00	3782738.00	0.05000	(08121624)				

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Total Organic Gases (Diesel) / Average Speed Scenario *** 16:48:11
 PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 0.07951 ON 08021708: AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 238 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 4 Calm Hours Identified

A Total of 234 Missing Hours Identified (2.66 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/15/2016 Time: 4:16:41 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_TOG_GAS_1_FIRST.DTA

Output File - F:\premier\model\PREMIER_TOG_GAS_1_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43
PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT 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 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:

1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_TOG_GAS_1_FIRST.DTA

**Output Print File: PREMIER_TOG_GAS_1_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_TOG_GAS_1_FIRST.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43

PAGE 2

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE RELEASE ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE SCALAR	EMISSION RATE VARY BY
N_M_1	0	0.38100E-03	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES	
N_M_2	0	0.38100E-03	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES	
N_M_3	0	0.38100E-03	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES	
N_M_4	0	0.38100E-03	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES	
N_M_5	0	0.38100E-03	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES	
N_M_6	0	0.38100E-03	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES	

N_M_7	0	0.38100E-03	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES
N_M_8	0	0.38100E-03	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES
N_M_9	0	0.38100E-03	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES
N_M_10	0	0.38100E-03	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES
N_M_11	0	0.38100E-03	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES
N_M_12	0	0.38100E-03	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES
N_M_13	0	0.38100E-03	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES
S_M_1	0	0.38600E-03	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES
S_M_2	0	0.38600E-03	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	0	0.38600E-03	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	0	0.38600E-03	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	0	0.38600E-03	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	0	0.38600E-03	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	0	0.38600E-03	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	0	0.38600E-03	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	0	0.38600E-03	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	0	0.38600E-03	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	0	0.38600E-03	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	0	0.38600E-03	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	0	0.44000E-05	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	0	0.44000E-05	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	0	0.44000E-05	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	0	0.44000E-05	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	0	0.44000E-05	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	0	0.44000E-05	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	0	0.44000E-05	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	0	0.44000E-05	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	0	0.44000E-05	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	0	0.44000E-05	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	0	0.44000E-05	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	0	0.44000E-05	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	0	0.44000E-05	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	0	0.44000E-05	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	0	0.44000E-05	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

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

S_ON_V_16	0	0.44000E-05	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES
S_ON_V_17	0	0.44000E-05	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES
S_ON_V_18	0	0.44000E-05	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES
S_ON_V_19	0	0.44000E-05	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES
S_ON_V_20	0	0.44000E-05	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES
S_ON_V_21	0	0.44000E-05	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES
N_OFF_O_1	0	0.49800E-04	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES
N_OFF_O_2	0	0.49800E-04	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_3	0	0.49800E-04	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES
N_OFF_O_4	0	0.49800E-04	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES

N_OFF_O_5	0	0.49800E-04	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES
N_OFF_O_6	0	0.49800E-04	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES
N_OFF_O_7	0	0.49800E-04	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_8	0	0.49800E-04	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES
N_OFF_O_9	0	0.49800E-04	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES
N_OFF_O_10	0	0.49800E-04	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES
S_OFF_V_1	0	0.67300E-05	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_2	0	0.67300E-05	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_3	0	0.67300E-05	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_4	0	0.67300E-05	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_5	0	0.67300E-05	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES
S_OFF_V_6	0	0.67300E-05	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES
S_OFF_V_7	0	0.67300E-05	379224.0	3782697.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_8	0	0.67300E-05	379228.8	3782692.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_9	0	0.67300E-05	379233.8	3782688.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_10	0	0.67300E-05	379238.7	3782683.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_11	0	0.67300E-05	379243.5	3782679.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_12	0	0.67300E-05	379248.1	3782674.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_13	0	0.67300E-05	379252.5	3782668.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_14	0	0.67300E-05	379256.8	3782663.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_15	0	0.67300E-05	379261.9	3782659.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_16	0	0.67300E-05	379266.5	3782655.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_17	0	0.67300E-05	379272.1	3782650.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_18	0	0.67300E-05	379277.3	3782646.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_19	0	0.67300E-05	379282.6	3782642.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_20	0	0.67300E-05	379288.0	3782638.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_21	0	0.67300E-05	379293.4	3782634.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_22	0	0.67300E-05	379299.1	3782631.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_23	0	0.67300E-05	379304.1	3782626.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_24	0	0.67300E-05	379308.8	3782621.4	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43

PAGE 4

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	CATS.	NUMBER EMISSION RATE (GRAMS/SEC)	BASE PART.	RELEASE X (METERS)	INIT. Y (METERS)	INIT. Z (METERS)	URBAN EMISSION RATE SCALAR	EMISSION RATE VARY BY
-----------	-------	----------------------------------	------------	--------------------	------------------	------------------	----------------------------	-----------------------

S_OFF_V_25	0	0.67300E-05	379311.3	3782615.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_26	0	0.67300E-05	379308.1	3782609.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_27	0	0.67300E-05	379304.1	3782604.0	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43

PAGE 5

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-------------	------------

ALL N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43

PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16

1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111
1111111111 1111111111 1111111111 1111111111 1111111111

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2010 1 1 1
AND END DATE: 2010 12 31 24

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 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43
PAGE 9

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

Surface file: burk8.sfc Met Version: 14134
Profile file: burk8.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 0 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2008 Year: 2008

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.56	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	21.7	-9.000	-9.000	-9.000	53.	-999.	-999999.0	0.53	1.00	0.33	999.00	999.	-9.0	282.5	5.5			
08	01	01	1	10	70.5	-9.000	-9.000	-9.000	144.	-999.	-999999.0	0.53	1.00	0.25	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	11	105.7	-9.000	-9.000	-9.000	340.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	12	124.1	-9.000	-9.000	-9.000	559.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	13	124.3	-9.000	-9.000	-9.000	709.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	297.0	5.5			
08	01	01	1	14	104.3	-9.000	-9.000	-9.000	755.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	15	68.8	-9.000	-9.000	-9.000	786.	-999.	-999999.0	0.53	1.00	0.26	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	16	19.1	-9.000	-9.000	-9.000	792.	-999.	-999999.0	0.53	1.00	0.34	999.00	999.	-9.0	292.0	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.61	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			

08 01 01 1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 284.9 5.5
 08 01 01 1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 284.9 5.5
 08 01 01 1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0 0.53 1.00 1.00 999.00 999. -9.0 284.9 5.5

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
 08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00
 08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43

PAGE 10

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
 N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
 S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
 S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)
379544.00	3782628.00	0.55920 (10093024)	379534.00	3782638.00	0.53934 (10092720)
379544.00	3782638.00	0.53883 (10092720)	379554.00	3782638.00	0.53632 (10092720)
379524.00	3782648.00	0.55137 (10121916)	379534.00	3782648.00	0.53309 (10121916)
379544.00	3782648.00	0.51694 (10092720)	379554.00	3782648.00	0.51202 (10092720)
379564.00	3782648.00	0.50586 (10092720)	379514.00	3782658.00	0.57221 (10121916)
379524.00	3782658.00	0.54861 (10121916)	379534.00	3782658.00	0.52693 (10121916)
379544.00	3782658.00	0.50761 (10121916)	379554.00	3782658.00	0.49010 (10121916)
379564.00	3782658.00	0.48172 (10092701)	379574.00	3782658.00	0.47801 (10100819)
379504.00	3782668.00	0.59627 (10121916)	379514.00	3782668.00	0.57111 (10121916)
379524.00	3782668.00	0.54513 (10121916)	379534.00	3782668.00	0.52096 (10121916)
379544.00	3782668.00	0.49952 (10121916)	379554.00	3782668.00	0.48056 (10121916)
379564.00	3782668.00	0.46514 (10100819)	379574.00	3782668.00	0.46211 (10100819)
379584.00	3782668.00	0.45849 (10100819)	379494.00	3782678.00	0.61400 (10121916)
379504.00	3782678.00	0.59331 (10121916)	379514.00	3782678.00	0.56775 (10121916)
379524.00	3782678.00	0.54077 (10121916)	379534.00	3782678.00	0.51508 (10121916)
379544.00	3782678.00	0.49202 (10121916)	379554.00	3782678.00	0.47174 (10121916)
379564.00	3782678.00	0.45370 (10121916)	379574.00	3782678.00	0.44594 (10010817)
379584.00	3782678.00	0.44312 (10010817)	379594.00	3782678.00	0.43987 (10010817)
379484.00	3782688.00	0.62073 (10121916)	379494.00	3782688.00	0.60726 (10121916)
379504.00	3782688.00	0.58710 (10121916)	379514.00	3782688.00	0.56223 (10121916)
379524.00	3782688.00	0.53538 (10121916)	379534.00	3782688.00	0.50909 (10121916)
379544.00	3782688.00	0.48500 (10121916)	379554.00	3782688.00	0.46366 (10121916)
379564.00	3782688.00	0.44483 (10121916)	379574.00	3782688.00	0.43129 (10052921)
379584.00	3782688.00	0.42948 (10052921)	379484.00	3782698.00	0.61097 (10121916)
379494.00	3782698.00	0.59739 (10121916)	379504.00	3782698.00	0.57830 (10121916)
379514.00	3782698.00	0.55480 (10121916)	379524.00	3782698.00	0.52890 (10121916)
379534.00	3782698.00	0.50283 (10121916)	379544.00	3782698.00	0.47831 (10121916)
379554.00	3782698.00	0.45625 (10121916)	379564.00	3782698.00	0.43673 (10121916)
379574.00	3782698.00	0.41935 (10121916)	379494.00	3782708.00	0.58534 (10121916)

379504.00	3782708.00	0.56756	(10121916)	379514.00	3782708.00	0.54578	(10121916)
379524.00	3782708.00	0.52137	(10121916)	379534.00	3782708.00	0.49615	(10121916)
379544.00	3782708.00	0.47178	(10121916)	379554.00	3782708.00	0.44938	(10121916)
379564.00	3782708.00	0.42935	(10121916)	379504.00	3782718.00	0.55543	(10121916)
379514.00	3782718.00	0.53551	(10121916)	379524.00	3782718.00	0.51289	(10121916)
379534.00	3782718.00	0.48896	(10121916)	379544.00	3782718.00	0.46523	(10121916)
379554.00	3782718.00	0.44289	(10121916)	379514.00	3782728.00	0.52429	(10121916)
379524.00	3782728.00	0.50359	(10121916)	379534.00	3782728.00	0.48125	(10121916)
379544.00	3782728.00	0.45853	(10121916)	379524.00	3782738.00	0.49363	(10121916)
379534.00	3782738.00	0.47303	(10121916)				

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43

PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 0.62073 ON 10121916: AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Minimum Speed Scenario *** 16:16:43

PAGE 12

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 662 Informational Message(s)

 A Total of 8760 Hours Were Processed

 A Total of 3 Calm Hours Identified

 A Total of 348 Missing Hours Identified (3.97 Percent)

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

***** WARNING MESSAGES *****
 *** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/15/2016 Time: 4:24:22 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_TOG_GAS_8_FIRST.DTA

Output File - F:\premier\model\PREMIER_TOG_GAS_8_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24
PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT 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 83 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

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

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 8-HR

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_TOG_GAS_8_FIRST.DTA

**Output Print File: PREMIER_TOG_GAS_8_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_TOG_GAS_8_FIRST.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	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	EMISSION RATE VARY BY
N_M_1	0	0.14500E-03	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	0	0.14500E-03	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	0	0.14500E-03	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	0	0.14500E-03	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	0	0.14500E-03	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	0	0.14500E-03	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	0	0.14500E-03	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	0	0.14500E-03	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	0	0.14500E-03	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	0	0.14500E-03	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	0	0.14500E-03	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	0	0.14500E-03	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	0	0.14500E-03	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	0	0.14900E-03	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	0	0.14900E-03	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	0	0.14900E-03	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	0	0.14900E-03	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	0	0.14900E-03	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	0	0.14900E-03	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	0	0.14900E-03	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	0	0.14900E-03	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	0	0.14900E-03	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	0	0.14900E-03	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	0	0.14900E-03	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	0	0.14900E-03	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	0	0.44000E-05	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	0	0.44000E-05	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	0	0.44000E-05	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	0	0.44000E-05	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	0	0.44000E-05	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	0	0.44000E-05	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	0	0.44000E-05	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	0	0.44000E-05	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	0	0.44000E-05	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	0	0.44000E-05	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	0	0.44000E-05	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	0	0.44000E-05	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	0	0.44000E-05	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	0	0.44000E-05	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	0	0.44000E-05	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE (METERS)	EMISSION RATE SCALAR VARY BY
S_ON_V_16	0	0.44000E-05	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES	
S_ON_V_17	0	0.44000E-05	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES	
S_ON_V_18	0	0.44000E-05	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES	
S_ON_V_19	0	0.44000E-05	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES	
S_ON_V_20	0	0.44000E-05	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES	
S_ON_V_21	0	0.44000E-05	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES	
N_OFF_O_1	0	0.49800E-04	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES	
N_OFF_O_2	0	0.49800E-04	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_3	0	0.49800E-04	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES	
N_OFF_O_4	0	0.49800E-04	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_5	0	0.49800E-04	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES	
N_OFF_O_6	0	0.49800E-04	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_7	0	0.49800E-04	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_8	0	0.49800E-04	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_9	0	0.49800E-04	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES	
N_OFF_O_10	0	0.49800E-04	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES	
S_OFF_V_1	0	0.67300E-05	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_2	0	0.67300E-05	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES	
S_OFF_V_3	0	0.67300E-05	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_4	0	0.67300E-05	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES	
S_OFF_V_5	0	0.67300E-05	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES	
S_OFF_V_6	0	0.67300E-05	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES	

S_OFF_V_7	0	0.67300E-05	379224.0	3782697.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_8	0	0.67300E-05	379228.8	3782692.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_9	0	0.67300E-05	379233.8	3782688.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_10	0	0.67300E-05	379238.7	3782683.8	175.0	0.00	3.12	2.18	YES
S_OFF_V_11	0	0.67300E-05	379243.5	3782679.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_12	0	0.67300E-05	379248.1	3782674.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_13	0	0.67300E-05	379252.5	3782668.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_14	0	0.67300E-05	379256.8	3782663.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_15	0	0.67300E-05	379261.9	3782659.0	175.0	0.00	3.12	2.18	YES
S_OFF_V_16	0	0.67300E-05	379266.5	3782655.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_17	0	0.67300E-05	379272.1	3782650.4	175.0	0.00	3.12	2.18	YES
S_OFF_V_18	0	0.67300E-05	379277.3	3782646.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_19	0	0.67300E-05	379282.6	3782642.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_20	0	0.67300E-05	379288.0	3782638.3	175.0	0.00	3.12	2.18	YES
S_OFF_V_21	0	0.67300E-05	379293.4	3782634.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_22	0	0.67300E-05	379299.1	3782631.1	175.0	0.00	3.12	2.18	YES
S_OFF_V_23	0	0.67300E-05	379304.1	3782626.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_24	0	0.67300E-05	379308.8	3782621.4	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24

PAGE 4

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
-----------	-------------	---------------------------	------------	------------	---------------------	-------------------------	-------------------	-------------------	-----------------------------

S_OFF_V_25	0	0.67300E-05	379311.3	3782615.5	175.0	0.00	3.12	2.18	YES
S_OFF_V_26	0	0.67300E-05	379308.1	3782609.7	175.0	0.00	3.12	2.18	YES
S_OFF_V_27	0	0.67300E-05	379304.1	3782604.0	175.0	0.00	3.12	2.18	YES

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24

PAGE 5

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 ,
 N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
 S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
 S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
 S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
 S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
 N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
 S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24
PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24
PAGE 7

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5); (379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5); (379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5); (379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5); (379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5); (379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5); (379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5); (379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5); (379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5); (379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5); (379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5); (379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5); (379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface file: burk8.sfc

Met Version: 14134

Profile file: burk8.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR MO DY JDY HR HO U* W* DT/DZ ZICNV ZIMCH M-O LEN ZO BOWEN ALBEDO REF WS WD HT REF TA HT

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	ZO	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.56	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	21.7	-9.000	-9.000	-9.000	53.	-999.	-999999.0	0.53	1.00	0.33	999.00	999.	-9.0	282.5	5.5			
08	01	01	1	10	70.5	-9.000	-9.000	-9.000	144.	-999.	-999999.0	0.53	1.00	0.25	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	11	105.7	-9.000	-9.000	-9.000	340.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	12	124.1	-9.000	-9.000	-9.000	559.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	13	124.3	-9.000	-9.000	-9.000	709.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	297.0	5.5			
08	01	01	1	14	104.3	-9.000	-9.000	-9.000	755.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	15	68.8	-9.000	-9.000	-9.000	786.	-999.	-999999.0	0.53	1.00	0.26	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	16	19.1	-9.000	-9.000	-9.000	792.	-999.	-999999.0	0.53	1.00	0.34	999.00	999.	-9.0	292.0	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.61	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08 01 01 01 5.5 0 -999. -99.00 281.0 99.0 -99.00 -99.00

08 01 01 01 9.1 1 -999. -99.00 -999.0 99.0 -99.00 -99.00

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24

PAGE 10

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M) CONC (YYMMDDHH)

379544.00	3782628.00	0.21872	(08022024)	379534.00	3782638.00	0.22117	(08021708)
379544.00	3782638.00	0.20931	(08021708)	379554.00	3782638.00	0.19915	(08022024)
379524.00	3782648.00	0.22540	(08021708)	379534.00	3782648.00	0.21350	(08021708)
379544.00	3782648.00	0.20232	(08021708)	379554.00	3782648.00	0.19183	(08021708)
379564.00	3782648.00	0.18202	(08021708)	379514.00	3782658.00	0.22887	(08021708)
379524.00	3782658.00	0.21704	(08021708)	379534.00	3782658.00	0.20587	(08021708)
379544.00	3782658.00	0.19536	(08021708)	379554.00	3782658.00	0.18550	(08021708)
379564.00	3782658.00	0.17626	(08021708)	379574.00	3782658.00	0.16760	(08021708)
379504.00	3782668.00	0.23148	(08021708)	379514.00	3782668.00	0.21983	(08021708)
379524.00	3782668.00	0.20877	(08021708)	379534.00	3782668.00	0.19833	(08021708)
379544.00	3782668.00	0.18849	(08021708)	379554.00	3782668.00	0.17924	(08021708)
379564.00	3782668.00	0.17055	(08021708)	379574.00	3782668.00	0.16239	(08021708)
379584.00	3782668.00	0.15474	(08021808)	379494.00	3782678.00	0.23315	(08021708)
379504.00	3782678.00	0.22179	(08021708)	379514.00	3782678.00	0.21094	(08021708)
379524.00	3782678.00	0.20065	(08021708)	379534.00	3782678.00	0.19091	(08021708)
379544.00	3782678.00	0.18173	(08021708)	379554.00	3782678.00	0.17307	(08021708)
379564.00	3782678.00	0.16492	(08021708)	379574.00	3782678.00	0.15726	(08021808)
379584.00	3782678.00	0.15005	(08021808)	379594.00	3782678.00	0.14634	(08040308)
379484.00	3782688.00	0.23383	(08021708)	379494.00	3782688.00	0.22285	(08021708)
379504.00	3782688.00	0.21232	(08021708)	379514.00	3782688.00	0.20227	(08021708)
379524.00	3782688.00	0.19272	(08021708)	379534.00	3782688.00	0.18367	(08021708)
379544.00	3782688.00	0.17511	(08021708)	379554.00	3782688.00	0.16702	(08021708)
379564.00	3782688.00	0.15940	(08021708)	379574.00	3782688.00	0.15221	(08021808)
379584.00	3782688.00	0.14543	(08021808)	379484.00	3782698.00	0.22300	(08021708)
379494.00	3782698.00	0.21287	(08021708)	379504.00	3782698.00	0.20315	(08021708)
379514.00	3782698.00	0.19386	(08021708)	379524.00	3782698.00	0.18502	(08021708)
379534.00	3782698.00	0.17662	(08021708)	379544.00	3782698.00	0.16866	(08021708)
379554.00	3782698.00	0.16112	(08021708)	379564.00	3782698.00	0.15399	(08021808)
379574.00	3782698.00	0.14725	(08021808)	379494.00	3782708.00	0.20326	(08021708)
379504.00	3782708.00	0.19431	(08021708)	379514.00	3782708.00	0.18574	(08021708)
379524.00	3782708.00	0.17757	(08021708)	379534.00	3782708.00	0.16979	(08021708)
379544.00	3782708.00	0.16239	(08021708)	379554.00	3782708.00	0.15537	(08021808)
379564.00	3782708.00	0.14872	(08021808)	379504.00	3782718.00	0.18582	(08021708)
379514.00	3782718.00	0.17793	(08021708)	379524.00	3782718.00	0.17038	(08021708)
379534.00	3782718.00	0.16318	(08021708)	379544.00	3782718.00	0.15632	(08021808)
379554.00	3782718.00	0.14979	(08021808)	379514.00	3782728.00	0.17044	(08021708)
379524.00	3782728.00	0.16348	(08021708)	379534.00	3782728.00	0.15682	(08021808)
379544.00	3782728.00	0.15046	(08021808)	379524.00	3782738.00	0.15685	(08021808)
379534.00	3782738.00	0.15070	(08021808)				

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 16:24:24
 PAGE 11

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

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

ALL HIGH 1ST HIGH VALUE IS 0.23383 ON 08021708: AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC

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

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 238 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 4 Calm Hours Identified

A Total of 234 Missing Hours Identified (2.66 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***

**BEE-Line Software: BEEST Suite (Version 11.02) data input file
** Model: AERMOD.EXE Input File Creation Date: 3/15/2016 Time: 2:42:37 PM
NO ECHO

BEE-Line AERMOD "BEEST" Version ****

Input File - F:\premier\model\PREMIER_TOG_GAS_CHRONIC_FIRST.DTA

Output File - F:\premier\model\PREMIER_TOG_GAS_CHRONIC_FIRST.LST

Met File - F:\premier\metdata\burk8.sfc

*** SETUP Finishes Successfully ***

☐ *** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40
PAGE 1

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT 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 83 Source(s),
for Total of 1 Urban Area(s):

Urban Population = 9862049.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:

1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates ANNUAL Averages Only

**This Run Includes: 83 Source(s); 1 Source Group(s); and 77 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 83 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 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) = 175.00 ; 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.

**Input Runstream File: PREMIER_TOG_GAS_CHRONIC_FIRST.DTA

**Output Print File: PREMIER_TOG_GAS_CHRONIC_FIRST.LST

**File for Summary of Results: F:\premier\model\PREMIER_TOG_GAS_CHRONIC_FIRST.SUM

*** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40
PAGE 2

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR	EMISSION RATE VARY BY
N_M_1	0	0.14500E-03	379574.7	3782332.8	175.0	2.13	22.68	2.89	YES		
N_M_2	0	0.14500E-03	379560.8	3782380.0	175.0	2.44	22.68	2.89	YES		
N_M_3	0	0.14500E-03	379539.8	3782424.1	175.0	2.74	22.68	2.89	YES		
N_M_4	0	0.14500E-03	379517.9	3782467.4	175.0	2.13	22.68	2.89	YES		
N_M_5	0	0.14500E-03	379491.6	3782508.8	175.0	1.52	22.68	2.89	YES		
N_M_6	0	0.14500E-03	379461.8	3782547.8	175.0	0.91	22.68	2.89	YES		
N_M_7	0	0.14500E-03	379428.3	3782582.2	175.0	0.00	22.68	2.89	YES		
N_M_8	0	0.14500E-03	379391.8	3782614.8	175.0	0.00	22.68	2.89	YES		
N_M_9	0	0.14500E-03	379353.7	3782645.6	175.0	0.00	22.68	2.89	YES		
N_M_10	0	0.14500E-03	379314.9	3782675.0	175.0	0.00	22.68	2.89	YES		
N_M_11	0	0.14500E-03	379276.7	3782704.4	175.0	0.00	22.68	2.89	YES		
N_M_12	0	0.14500E-03	379237.1	3782733.1	175.0	0.00	22.68	2.89	YES		
N_M_13	0	0.14500E-03	379198.5	3782762.3	175.0	0.00	22.68	2.89	YES		
S_M_1	0	0.14900E-03	379184.4	3782746.3	175.0	0.00	22.68	2.89	YES		

S_M_2	0	0.14900E-03	379232.8	3782716.3	175.0	0.00	22.68	2.89	YES
S_M_3	0	0.14900E-03	379261.8	3782686.2	175.0	0.00	22.68	2.89	YES
S_M_4	0	0.14900E-03	379300.0	3782656.7	175.0	0.00	22.68	2.89	YES
S_M_5	0	0.14900E-03	379338.8	3782626.1	175.0	0.00	22.68	2.89	YES
S_M_6	0	0.14900E-03	379376.3	3782595.1	175.0	0.00	22.68	2.89	YES
S_M_7	0	0.14900E-03	379411.7	3782562.3	175.0	0.00	22.68	2.89	YES
S_M_8	0	0.14900E-03	379444.5	3782525.8	175.0	0.30	22.68	2.89	YES
S_M_9	0	0.14900E-03	379471.9	3782486.0	175.0	0.61	22.68	2.89	YES
S_M_10	0	0.14900E-03	379496.6	3782443.4	175.0	0.91	22.68	2.89	YES
S_M_11	0	0.14900E-03	379518.0	3782399.9	175.0	1.22	22.68	2.89	YES
S_M_12	0	0.14900E-03	379534.8	3782354.2	175.0	1.52	22.68	2.89	YES
S_ON_V_1	0	0.44000E-05	379316.4	3782597.1	175.0	0.00	3.54	2.20	YES
S_ON_V_2	0	0.44000E-05	379321.8	3782602.7	175.0	0.00	3.54	2.20	YES
S_ON_V_3	0	0.44000E-05	379329.5	3782603.5	175.0	0.00	3.54	2.20	YES
S_ON_V_4	0	0.44000E-05	379336.8	3782600.8	175.0	0.00	3.54	2.20	YES
S_ON_V_5	0	0.44000E-05	379343.2	3782596.9	175.0	0.00	3.54	2.20	YES
S_ON_V_6	0	0.44000E-05	379349.2	3782592.7	175.0	0.00	3.54	2.20	YES
S_ON_V_7	0	0.44000E-05	379355.2	3782587.6	175.0	0.00	3.54	2.20	YES
S_ON_V_8	0	0.44000E-05	379361.2	3782583.3	175.0	0.00	3.54	2.20	YES
S_ON_V_9	0	0.44000E-05	379367.0	3782578.4	175.0	0.00	3.54	2.20	YES
S_ON_V_10	0	0.44000E-05	379373.3	3782573.6	175.0	0.00	3.54	2.20	YES
S_ON_V_11	0	0.44000E-05	379379.3	3782568.8	175.0	0.00	3.54	2.20	YES
S_ON_V_12	0	0.44000E-05	379384.9	3782564.0	175.0	0.00	3.54	2.20	YES
S_ON_V_13	0	0.44000E-05	379390.7	3782559.3	175.0	0.00	3.54	2.20	YES
S_ON_V_14	0	0.44000E-05	379396.6	3782554.5	175.0	0.00	3.54	2.20	YES
S_ON_V_15	0	0.44000E-05	379402.8	3782549.7	175.0	0.00	3.54	2.20	YES

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40

PAGE 3

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC) (METERS)	BASE X (METERS)	RELEASE Y (METERS)	INIT. ELEV. (METERS)	INIT. HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN EMISSION RATE (METERS)	SCALAR VARY BY
S_ON_V_16	0	0.44000E-05	379408.6	3782545.1	175.0	0.00	3.54	2.20	YES	
S_ON_V_17	0	0.44000E-05	379414.6	3782540.2	175.0	0.00	3.54	2.20	YES	
S_ON_V_18	0	0.44000E-05	379420.6	3782535.3	175.0	0.00	3.54	2.20	YES	
S_ON_V_19	0	0.44000E-05	379426.5	3782530.8	175.0	0.00	3.54	2.20	YES	
S_ON_V_20	0	0.44000E-05	379432.0	3782525.9	175.0	0.00	3.54	2.20	YES	
S_ON_V_21	0	0.44000E-05	379437.8	3782520.2	175.0	0.00	3.54	2.20	YES	
N_OFF_O_1	0	0.49800E-04	379457.6	3782571.4	175.0	0.00	7.66	2.34	YES	
N_OFF_O_2	0	0.49800E-04	379446.8	3782584.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_3	0	0.49800E-04	379435.2	3782595.8	175.0	0.00	7.66	2.34	YES	
N_OFF_O_4	0	0.49800E-04	379423.5	3782607.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_5	0	0.49800E-04	379412.1	3782619.1	175.0	0.00	7.66	2.34	YES	
N_OFF_O_6	0	0.49800E-04	379399.5	3782630.0	175.0	0.00	7.66	2.34	YES	
N_OFF_O_7	0	0.49800E-04	379386.9	3782640.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_8	0	0.49800E-04	379373.9	3782650.3	175.0	0.00	7.66	2.34	YES	
N_OFF_O_9	0	0.49800E-04	379361.4	3782660.6	175.0	0.00	7.66	2.34	YES	
N_OFF_O_10	0	0.49800E-04	379348.3	3782671.4	175.0	0.00	7.66	2.34	YES	
S_OFF_V_1	0	0.67300E-05	379194.3	3782724.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_2	0	0.67300E-05	379199.2	3782720.0	175.0	0.00	3.12	2.18	YES	
S_OFF_V_3	0	0.67300E-05	379204.4	3782715.4	175.0	0.00	3.12	2.18	YES	
S_OFF_V_4	0	0.67300E-05	379209.2	3782710.8	175.0	0.00	3.12	2.18	YES	
S_OFF_V_5	0	0.67300E-05	379214.0	3782706.2	175.0	0.00	3.12	2.18	YES	
S_OFF_V_6	0	0.67300E-05	379218.9	3782701.6	175.0	0.00	3.12	2.18	YES	

S_OFF_V_7 0 0.67300E-05 379224.0 3782697.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_8 0 0.67300E-05 379228.8 3782692.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_9 0 0.67300E-05 379233.8 3782688.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_10 0 0.67300E-05 379238.7 3782683.8 175.0 0.00 3.12 2.18 YES
 S_OFF_V_11 0 0.67300E-05 379243.5 3782679.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_12 0 0.67300E-05 379248.1 3782674.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_13 0 0.67300E-05 379252.5 3782668.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_14 0 0.67300E-05 379256.8 3782663.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_15 0 0.67300E-05 379261.9 3782659.0 175.0 0.00 3.12 2.18 YES
 S_OFF_V_16 0 0.67300E-05 379266.5 3782655.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_17 0 0.67300E-05 379272.1 3782650.4 175.0 0.00 3.12 2.18 YES
 S_OFF_V_18 0 0.67300E-05 379277.3 3782646.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_19 0 0.67300E-05 379282.6 3782642.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_20 0 0.67300E-05 379288.0 3782638.3 175.0 0.00 3.12 2.18 YES
 S_OFF_V_21 0 0.67300E-05 379293.4 3782634.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_22 0 0.67300E-05 379299.1 3782631.1 175.0 0.00 3.12 2.18 YES
 S_OFF_V_23 0 0.67300E-05 379304.1 3782626.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_24 0 0.67300E-05 379308.8 3782621.4 175.0 0.00 3.12 2.18 YES

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40

PAGE 4

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE SCALAR VARY BY
-----------	-------------	---------------------------	------------	------------	---------------------	-------------------------	-------------------	-------------------	-----------------------------

S_OFF_V_25 0 0.67300E-05 379311.3 3782615.5 175.0 0.00 3.12 2.18 YES
 S_OFF_V_26 0 0.67300E-05 379308.1 3782609.7 175.0 0.00 3.12 2.18 YES
 S_OFF_V_27 0 0.67300E-05 379304.1 3782604.0 175.0 0.00 3.12 2.18 YES

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16

*** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40

PAGE 5

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 , N_M_8 ,
 N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
 S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
 S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
 S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
 S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
 N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
 S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,

S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40
PAGE 6

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

URBAN ID URBAN POP SOURCE IDs

9862049. N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 , N_M_6 , N_M_7 ,
N_M_8 ,
N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 , S_M_1 , S_M_2 , S_M_3 ,
S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 , S_M_9 , S_M_10 , S_M_11 ,
S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , S_ON_V_4 , S_ON_V_5 , S_ON_V_6 , S_ON_V_7 ,
S_ON_V_8 , S_ON_V_9 , S_ON_V_10 , S_ON_V_11 , S_ON_V_12 , S_ON_V_13 , S_ON_V_14 , S_ON_V_15 ,
S_ON_V_16 , S_ON_V_17 , S_ON_V_18 , S_ON_V_19 , S_ON_V_20 , S_ON_V_21 , N_OFF_O_1 , N_OFF_O_2 ,
N_OFF_O_3 , N_OFF_O_4 , N_OFF_O_5 , N_OFF_O_6 , N_OFF_O_7 , N_OFF_O_8 , N_OFF_O_9 , N_OFF_O_10 ,
S_OFF_V_1 , S_OFF_V_2 , S_OFF_V_3 , S_OFF_V_4 , S_OFF_V_5 , S_OFF_V_6 , S_OFF_V_7 , S_OFF_V_8 ,
S_OFF_V_9 , S_OFF_V_10 , S_OFF_V_11 , S_OFF_V_12 , S_OFF_V_13 , S_OFF_V_14 , S_OFF_V_15 , S_OFF_V_16 ,
S_OFF_V_17 , S_OFF_V_18 , S_OFF_V_19 , S_OFF_V_20 , S_OFF_V_21 , S_OFF_V_22 , S_OFF_V_23 , S_OFF_V_24 ,
S_OFF_V_25 , S_OFF_V_26 , S_OFF_V_27 ,

*** AERMOD - VERSION 15181 *** Premier *** 03/15/16
*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40
PAGE 7

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

(379544.0, 3782628.0, 175.0, 175.0, 16.5); (379534.0, 3782638.0, 175.0, 175.0, 16.5);
(379544.0, 3782638.0, 175.0, 175.0, 16.5); (379554.0, 3782638.0, 175.0, 175.0, 16.5);
(379524.0, 3782648.0, 175.0, 175.0, 16.5); (379534.0, 3782648.0, 175.0, 175.0, 16.5);
(379544.0, 3782648.0, 175.0, 175.0, 16.5); (379554.0, 3782648.0, 175.0, 175.0, 16.5);
(379564.0, 3782648.0, 175.0, 175.0, 16.5); (379514.0, 3782658.0, 175.0, 175.0, 16.5);
(379524.0, 3782658.0, 175.0, 175.0, 16.5); (379534.0, 3782658.0, 175.0, 175.0, 16.5);
(379544.0, 3782658.0, 175.0, 175.0, 16.5); (379554.0, 3782658.0, 175.0, 175.0, 16.5);
(379564.0, 3782658.0, 175.0, 175.0, 16.5); (379574.0, 3782658.0, 175.0, 175.0, 16.5);
(379504.0, 3782668.0, 175.0, 175.0, 16.5); (379514.0, 3782668.0, 175.0, 175.0, 16.5);
(379524.0, 3782668.0, 175.0, 175.0, 16.5); (379534.0, 3782668.0, 175.0, 175.0, 16.5);
(379544.0, 3782668.0, 175.0, 175.0, 16.5); (379554.0, 3782668.0, 175.0, 175.0, 16.5);
(379564.0, 3782668.0, 175.0, 175.0, 16.5); (379574.0, 3782668.0, 175.0, 175.0, 16.5);

Surface format: FREE

Profile format: FREE

Surface station no.: 0

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2008

Year: 2008

First 24 hours of scalar data

YR	MO	DY	JDY	HR	HO	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	ZO	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	279.2	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	278.8	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.56	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	21.7	-9.000	-9.000	-9.000	53.	-999.	-999999.0	0.53	1.00	0.33	999.00	999.	-9.0	282.5	5.5			
08	01	01	1	10	70.5	-9.000	-9.000	-9.000	144.	-999.	-999999.0	0.53	1.00	0.25	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	11	105.7	-9.000	-9.000	-9.000	340.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	12	124.1	-9.000	-9.000	-9.000	559.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	294.9	5.5			
08	01	01	1	13	124.3	-9.000	-9.000	-9.000	709.	-999.	-999999.0	0.53	1.00	0.21	999.00	999.	-9.0	297.0	5.5			
08	01	01	1	14	104.3	-9.000	-9.000	-9.000	755.	-999.	-999999.0	0.53	1.00	0.22	999.00	999.	-9.0	294.2	5.5			
08	01	01	1	15	68.8	-9.000	-9.000	-9.000	786.	-999.	-999999.0	0.53	1.00	0.26	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	16	19.1	-9.000	-9.000	-9.000	792.	-999.	-999999.0	0.53	1.00	0.34	999.00	999.	-9.0	292.0	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	0.61	999.00	999.	-9.0	290.9	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	288.8	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	286.4	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-999999.0	0.53	1.00	1.00	999.00	999.	-9.0	284.9	5.5			

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	281.0	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

☐ *** AERMOD - VERSION 15181 *** ** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40

PAGE 10

**MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): N_M_1 , N_M_2 , N_M_3 , N_M_4 , N_M_5 ,
 N_M_6 , N_M_7 , N_M_8 , N_M_9 , N_M_10 , N_M_11 , N_M_12 , N_M_13 ,
 S_M_1 , S_M_2 , S_M_3 , S_M_4 , S_M_5 , S_M_6 , S_M_7 , S_M_8 ,
 S_M_9 , S_M_10 , S_M_11 , S_M_12 , S_ON_V_1 , S_ON_V_2 , S_ON_V_3 , ... ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
379544.00	3782628.00	0.06186	379534.00	3782638.00	0.06288
379544.00	3782638.00	0.06036	379554.00	3782638.00	0.05792
379524.00	3782648.00	0.06378	379534.00	3782648.00	0.06127

379544.00	3782648.00	0.05883	379554.00	3782648.00	0.05646
379564.00	3782648.00	0.05419	379514.00	3782658.00	0.06455
379524.00	3782658.00	0.06205	379534.00	3782658.00	0.05962
379544.00	3782658.00	0.05726	379554.00	3782658.00	0.05499
379564.00	3782658.00	0.05279	379574.00	3782658.00	0.05069
379504.00	3782668.00	0.06519	379514.00	3782668.00	0.06271
379524.00	3782668.00	0.06029	379534.00	3782668.00	0.05794
379544.00	3782668.00	0.05568	379554.00	3782668.00	0.05350
379564.00	3782668.00	0.05139	379574.00	3782668.00	0.04938
379584.00	3782668.00	0.04744	379494.00	3782678.00	0.06570
379504.00	3782678.00	0.06324	379514.00	3782678.00	0.06084
379524.00	3782678.00	0.05852	379534.00	3782678.00	0.05627
379544.00	3782678.00	0.05409	379554.00	3782678.00	0.05200
379564.00	3782678.00	0.04999	379574.00	3782678.00	0.04806
379584.00	3782678.00	0.04621	379594.00	3782678.00	0.04444
379484.00	3782688.00	0.06606	379494.00	3782688.00	0.06364
379504.00	3782688.00	0.06127	379514.00	3782688.00	0.05897
379524.00	3782688.00	0.05674	379534.00	3782688.00	0.05459
379544.00	3782688.00	0.05251	379554.00	3782688.00	0.05052
379564.00	3782688.00	0.04860	379574.00	3782688.00	0.04676
379584.00	3782688.00	0.04499	379484.00	3782698.00	0.06389
379494.00	3782698.00	0.06157	379504.00	3782698.00	0.05931
379514.00	3782698.00	0.05711	379524.00	3782698.00	0.05498
379534.00	3782698.00	0.05293	379544.00	3782698.00	0.05095
379554.00	3782698.00	0.04904	379564.00	3782698.00	0.04722
379574.00	3782698.00	0.04546	379494.00	3782708.00	0.05951
379504.00	3782708.00	0.05736	379514.00	3782708.00	0.05527
379524.00	3782708.00	0.05324	379534.00	3782708.00	0.05129
379544.00	3782708.00	0.04940	379554.00	3782708.00	0.04759
379564.00	3782708.00	0.04585	379504.00	3782718.00	0.05544
379514.00	3782718.00	0.05345	379524.00	3782718.00	0.05153
379534.00	3782718.00	0.04967	379544.00	3782718.00	0.04788
379554.00	3782718.00	0.04616	379514.00	3782728.00	0.05167
379524.00	3782728.00	0.04985	379534.00	3782728.00	0.04809
379544.00	3782728.00	0.04640	379524.00	3782738.00	0.04821
379534.00	3782738.00	0.04655			

*** AERMOT - VERSION 15181 *** ** Premier *** 03/15/16
 *** AERMET - VERSION 14134 *** ** Total Organic Gases (Gasoline) / Average Speed Scenario *** 14:42:40
 PAGE 11
 **MODELOPTs: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGHEST VALUE IS 0.06606 AT (379484.00, 3782688.00, 175.00, 175.00, 16.50) DC	
	2ND HIGHEST VALUE IS 0.06570 AT (379494.00, 3782678.00, 175.00, 175.00, 16.50) DC	
	3RD HIGHEST VALUE IS 0.06519 AT (379504.00, 3782668.00, 175.00, 175.00, 16.50) DC	
	4TH HIGHEST VALUE IS 0.06455 AT (379514.00, 3782658.00, 175.00, 175.00, 16.50) DC	
	5TH HIGHEST VALUE IS 0.06389 AT (379484.00, 3782698.00, 175.00, 175.00, 16.50) DC	
	6TH HIGHEST VALUE IS 0.06378 AT (379524.00, 3782648.00, 175.00, 175.00, 16.50) DC	
	7TH HIGHEST VALUE IS 0.06364 AT (379494.00, 3782688.00, 175.00, 175.00, 16.50) DC	
	8TH HIGHEST VALUE IS 0.06324 AT (379504.00, 3782678.00, 175.00, 175.00, 16.50) DC	
	9TH HIGHEST VALUE IS 0.06288 AT (379534.00, 3782638.00, 175.00, 175.00, 16.50) DC	
	10TH HIGHEST VALUE IS 0.06271 AT (379514.00, 3782668.00, 175.00, 175.00, 16.50) DC	

*** RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR

DC = DISCCART

DP = DISCPOLR

*** AERMOD - VERSION 15181 *** Premier

*** 03/15/16

*** AERMET - VERSION 14134 *** Total Organic Gases (Gasoline) / Average Speed Scenario

*** 14:42:40

PAGE 12

**MODELOPTS: NonDEFAULT CONC FLAT FLGPOL NODRYDPLT NOWETDPLT URBAN

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

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

A Total of 0 Fatal Error Message(s)

A Total of 0 Warning Message(s)

A Total of 1275 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 13 Calm Hours Identified

A Total of 1262 Missing Hours Identified (2.88 Percent)

***** FATAL ERROR MESSAGES *****

*** NONE ***

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

*** NONE ***

*** AERMOD Finishes Successfully ***
