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1                AERMOD PRIME - (DATED 23132 )

                AERMODPrMSPx VERSION
                (C) COPYRIGHT 1998-2022, Trinity Consultants

Run Began on 6/19/2025 at 11:25:16

** BREEZE AERMOD
** Trinity Consultants
** VERSION 12.1

CO STARTING
CO TITLEONE      Pittsburg Substation Total PM2.5 Uncontrolled
CO MODELOPT      DFAULT CONC NODRYDPLT NOWETDPLT
CO RUNORNOT      RUN
CO AVERTIME       ANNUAL
CO POLLUTID       PM25
CO FLAGPOLE       1.5
CO FINISHED

SO STARTING
SO ELEVUNIT       METERS
SO LOCATION       A8TFX004 AREAPOLY 596712.5 4210727.3 0
** SRCDESCR       Pittsburg Substation
SO SRCPARAM       A8TFX004 2.68E-07 3 21 1
SO AREAVERT       A8TFX004 596712.5 4210727.3 596672 4210686.8 596660 4210647.1 596691.8 4210616.9
SO AREAVERT       A8TFX004 596717.2 4210547.8 596731.5 4210550.2 596811.8 4210318.1 597030.3 4210248.2
SO AREAVERT       A8TFX004 597039.8 4210255.4 597049.4 4210256.2 597097.9 4210318.1 597109.8 4210347.5
SO AREAVERT       A8TFX004 597030.3 4210575.6 596972.3 4210593.1 596973.9 4210607.4 596961.2 4210612.9
SO AREAVERT       A8TFX004 596962.8 4210618.5 596814.2 4210663.8 596746.6 4210725.8 596721.2 4210720.2
SO AREAVERT       A8TFX004 596712.5 4210727.3
SO SRCGROUP       ALL
SO FINISHED

RE STARTING
RE ELEVUNIT       METERS
RE DISCCART       597162.1 4210087.3 0 0 1.5
** SENSITIV
** RCPDESCR       R3
RE DISCCART       597153.6 4210266.3 0 0 1.5
** SENSITIV
** RCPDESCR       R4
RE DISCCART       597359.2 4210518.5 0 0 1.5
** SENSITIV
** RCPDESCR       R5
RE FINISHED

ME STARTING
ME SURFFILE       "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTSB~1\DOW_2017.SFC"
** SURFFILE       "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTSB~1\DOW_2017.SFC"
ME PROFFILE       "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTSB~1\DOW_2017.PFL"
** PROFFILE       "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTSB~1\DOW_2017.PFL"
ME SURFDATA       23254 2017
ME UAIRDATA       23230 2017
ME SITEDATA       2803 2017
ME PROFBASE       1 METERS
ME FINISHED

OU STARTING
OU FILEFORM       FIX
OU PLOTFILE       ANNUAL ALL ALL`ANNUAL.plt 10000
OU FINISHED

** *****
** It is recommended that the user not edit any data below this line
** *****

** AMPTYPE
** AMPDATUM       -1
** AMPZONE        -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION      UTM
** DATUM           WGE
** UNITS           METER
** ZONE            11
** HEMISPHERE       N
** ORIGINLON       0
** ORIGINLAT       0
** PARALLEL1       0
** PARALLEL2       0
** AZIMUTH         0
** SCALEFACT       0
** FALSEEAST       0
** FALSENORTH      0

** POSTFMT         UNIFORM

```

** TEMPLATE UserDefined
** AERMODEXE AERMOD_BREEZE_23132_64.EXE
** AERMAPEXE AERMAP_EPA_18081_64.EXE

*** 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 *****
MX W403 57 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 23132 *** ** Pittsburg Substaiton Total PM2.5 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** ** *** 11:25:16
PAGE 1

*** MODELOPTs: RegDFault CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses RURAL Dispersion Only.
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM25

**Note that special processing requirements apply for the 24-hour PM2.5 NAAQS - check available guidance.
Model will process user-specified ranks of high 24-hour values averaged across the number of years modeled, and
the multi-year average of individual ANNUAL values, averaged across the number of years modeled.

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s); 1 Source Group(s); and 3 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE 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) = 1.00 ; 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: aermod.inp
**Output Print File: aermod.out

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE		AIRCRAFT
			X (METERS)	Y (METERS)						SCALAR	VARY BY	
A8TFX004	0	0.26800E-06	596712.5	4210727.3	0.0	3.00	21	1.00	NO			NO

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

SRCGROUP ID	SOURCE IDs
-------------	------------

```
*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
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[illegible]

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

```
*** MODELOPTs:  RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

Surface file:	C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTS	Met Version:	18081
Profile file:	C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTS		
Surface format:	FREE		
Profile format:	FREE		
Surface station no.:	23254	Upper air station no.:	23230
Name:	UNKNOWN	Name:	UNKNOWN
Year:	2017	Year:	2017

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	
17	01	01	1	01	-6.0	0.077	-9.000	-9.000	-999.	51.	6.9	0.06	0.30	1.00	2.00	68.	10.0	278.9	2.1	
17	01	01	1	02	-12.2	0.215	-9.000	-9.000	-999.	240.	73.6	0.19	0.30	1.00	2.50	260.	10.0	280.8	2.1	
17	01	01	1	03	-17.9	0.318	-9.000	-9.000	-999.	430.	161.7	0.19	0.30	1.00	3.40	246.	10.0	282.4	2.1	
17	01	01	1	04	-11.1	0.130	-9.000	-9.000	-999.	149.	18.0	0.19	0.30	1.00	2.20	238.	10.0	281.9	2.1	
17	01	01	1	05	-3.4	0.062	-9.000	-9.000	-999.	42.	6.2	0.06	0.30	1.00	1.60	75.	10.0	278.8	2.1	
17	01	01	1	06	-1.6	0.046	-9.000	-9.000	-999.	24.	5.7	0.06	0.30	1.00	1.20	47.	10.0	277.0	2.1	
17	01	01	1	07	-1.6	0.046	-9.000	-9.000	-999.	24.	5.7	0.06	0.30	1.00	1.20	68.	10.0	276.5	2.1	
17	01	01	1	08	-1.9	0.042	-9.000	-9.000	-999.	21.	3.7	0.06	0.30	0.74	1.10	69.	10.0	276.6	2.1	
17	01	01	1	09	1.9	0.137	0.177	0.005	102.	122.	-120.3	0.06	0.30	0.38	1.70	78.	10.0	277.9	2.1	
17	01	01	1	10	17.9	0.176	0.677	0.008	624.	177.	-27.4	0.06	0.30	0.26	2.00	47.	10.0	278.9	2.1	
17	01	01	1	11	27.4	0.232	0.849	0.018	807.	268.	-41.2	0.06	0.30	0.21	2.70	22.	10.0	281.4	2.1	
17	01	01	1	12	57.9	0.476	1.165	0.019	987.	788.	-167.9	0.19	0.30	0.20	4.50	273.	10.0	283.4	2.1	
17	01	01	1	13	58.6	0.610	1.207	0.011	1084.	1142.	-349.0	0.19	0.30	0.19	5.90	259.	10.0	283.8	2.1	
17	01	01	1	14	55.1	0.580	1.184	0.019	1087.	1062.	-319.0	0.19	0.30	0.20	5.60	271.	10.0	284.5	2.1	
17	01	01	1	15	37.5	0.537	1.042	0.019	1088.	947.	-371.5	0.19	0.30	0.24	5.20	262.	10.0	285.4	2.1	
17	01	01	1	16	11.9	0.479	0.710	0.019	1089.	800.	-835.9	0.19	0.30	0.32	4.70	251.	10.0	285.4	2.1	
17	01	01	1	17	-30.0	0.309	-9.000	-9.000	-999.	436.	88.6	0.19	0.30	0.57	3.50	226.	10.0	284.1	2.1	
17	01	01	1	18	-29.6	0.263	-9.000	-9.000	-999.	324.	55.2	0.19	0.30	1.00	3.20	236.	10.0	282.6	2.1	
17	01	01	1	19	-42.7	0.395	-9.000	-9.000	-999.	596.	130.4	0.19	0.30	1.00	3.30	246.	10.0	281.5	2.1	
17	01	01	1	20	-38.2	0.447	-9.000	-9.000	-999.	717.	211.0	0.19	0.30	1.00	4.70	238.	10.0	281.4	2.1	
17	01	01	1	21	-29.8	0.349	-9.000	-9.000	-999.	501.	128.5	0.19	0.30	1.00	3.80	240.	10.0	281.4	2.1	

17	01	01	1	22	-24.1	0.425	-9.000	-9.000	-999.	664.	287.4	0.19	0.30	1.00	4.40	238.	10.0	281.0	2.1
17	01	01	1	23	-18.6	0.217	-9.000	-9.000	-999.	283.	49.6	0.19	0.30	1.00	2.70	225.	10.0	280.6	2.1
17	01	01	1	24	-2.3	0.055	-9.000	-9.000	-999.	93.	6.4	0.03	0.30	1.00	1.60	220.	10.0	280.1	2.1

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
17	01	01	01	2.1	0	-999.	-99.00	279.0	999.0	-99.00	-99.00
17	01	01	01	10.0	1	68.	2.00	-999.0	23.9	-99.00	0.77

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

*** AERMOD - VERSION 23132 *** Pittsburg Substaiton Total PM2.5 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** 11:25:16
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A8TFX004 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597162.10	4210087.30	0.19633	597153.60	4210266.30	0.74034
597359.20	4210518.50	0.69934			

*** AERMOD - VERSION 23132 *** Pittsburg Substaiton Total PM2.5 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** 11:25:16
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 0.74034 AT (597153.60, 4210266.30, 0.00, 0.00, 1.50)	SR		
	2ND HIGHEST VALUE IS 0.69934 AT (597359.20, 4210518.50, 0.00, 0.00, 1.50)	SR		
	3RD HIGHEST VALUE IS 0.19633 AT (597162.10, 4210087.30, 0.00, 0.00, 1.50)	SR		
	4TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	5TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	6TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	7TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	8TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	9TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	10TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			

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

*** AERMOD - VERSION 23132 *** Pittsburg Substaiton Total PM2.5 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** 11:25:16
PAGE 8

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

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

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

A Total of 0 Fatal Error Message(s)
A Total of 3 Warning Message(s)
A Total of 221 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 43 Calm Hours Identified

A Total of 178 Missing Hours Identified (2.03 Percent)

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

***** WARNING MESSAGES *****
MX W403 57 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W403 1 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W481 8785 MAIN: Data Remaining After End of Year. Number of Hours= 24

*** AERMOD Finishes Successfully ***

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1                AERMOD PRIME - (DATED 23132 )

                AERMODPrMSPx VERSION
                (C) COPYRIGHT 1998-2022, Trinity Consultants

Run Began on 6/19/2025 at 11:26:19

** BREEZE AERMOD
** Trinity Consultants
** VERSION 12.1

CO STARTING
CO TITLEONE      Pittsburg Substation Total PM2.5 Controlled
CO MODELOPT      DFAULT CONC NODRYDPLT NOWETDPLT
CO RUNORNOT      RUN
CO AVERTIME       ANNUAL
CO POLLUTID       PM25
CO FLAGPOLE       1.5
CO FINISHED

SO STARTING
SO ELEVUNIT       METERS
SO LOCATION       A8TFX004 AREAPOLY 596712.5 4210727.3 0
** SRCDESCR       Pittsburg Substation
SO SRCPARAM       A8TFX004 8.57E-08 3 21 1
SO AREAVERT       A8TFX004 596712.5 4210727.3 596672 4210686.8 596660 4210647.1 596691.8 4210616.9
SO AREAVERT       A8TFX004 596717.2 4210547.8 596731.5 4210550.2 596811.8 4210318.1 597030.3 4210248.2
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SO AREAVERT       A8TFX004 596962.8 4210618.5 596814.2 4210663.8 596746.6 4210725.8 596721.2 4210720.2
SO AREAVERT       A8TFX004 596712.5 4210727.3
SO SRCGROUP       ALL
SO FINISHED

RE STARTING
RE ELEVUNIT       METERS
RE DISCCART       597162.1 4210087.3 0 0 1.5
** SENSITIV
** RCPDESCR       R3
RE DISCCART       597153.6 4210266.3 0 0 1.5
** SENSITIV
** RCPDESCR       R4
RE DISCCART       597359.2 4210518.5 0 0 1.5
** SENSITIV
** RCPDESCR       R5
RE FINISHED

ME STARTING
ME SURFFILE       "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTSB~1\DOW_2017.SFC"
** SURFFILE       "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTSB~1\DOW_2017.SFC"
ME PROFFILE       "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTSB~1\DOW_2017.PFL"
** PROFFILE       "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTSB~1\DOW_2017.PFL"
ME SURFDATA       23254 2017
ME UAIRDATA       23230 2017
ME SITEDATA       2803 2017
ME PROFBASE       1 METERS
ME FINISHED

OU STARTING
OU FILEFORM       FIX
OU PLOTFILE       ANNUAL ALL ALL`ANNUAL.plt 10000
OU FINISHED

** *****
** It is recommended that the user not edit any data below this line
** *****

** AMPTYPE
** AMPDATUM       -1
** AMPZONE        -1
** AMPHEMISPHERE

** PROJECTIONWKT
PROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]]
** PROJECTION      UTM
** DATUM           WGE
** UNITS           METER
** ZONE            11
** HEMISPHERE       N
** ORIGINLON       0
** ORIGINLAT       0
** PARALLEL1       0
** PARALLEL2       0
** AZIMUTH         0
** SCALEFACT       0
** FALSEEAST       0
** FALSENORTH      0

** POSTFMT         UNIFORM

```

** TEMPLATE UserDefined
** AERMODEXE AERMOD_BREEZE_23132_64.EXE
** AERMAPEXE AERMAP_EPA_18081_64.EXE

*** 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 *****
MX W403 57 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 23132 *** ** Pittsburg Substaiton Total PM2.5 Controlled *** 06/19/25
*** AERMET - VERSION 18081 *** ** *** 11:26:19
PAGE 1

*** MODELOPTs: RegDFault CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses RURAL Dispersion Only.
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM25

**Note that special processing requirements apply for the 24-hour PM2.5 NAAQS - check available guidance.
Model will process user-specified ranks of high 24-hour values averaged across the number of years modeled, and
the multi-year average of individual ANNUAL values, averaged across the number of years modeled.

**Model Calculates ANNUAL Averages Only

**This Run Includes: 1 Source(s); 1 Source Group(s); and 3 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 18081

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE 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) = 1.00 ; 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: aermod.inp
**Output Print File: aermod.out

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*** MODELOPTs:      RegDFault  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X Y (METERS) (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
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SRCGROUP ID	SOURCE IDs
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*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
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[illegible]

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

```
*** MODELOPTs:  RegDFAULT  CONC  ELEV  FLGPOL  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

Surface file:	C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTS	Met Version:	18081
Profile file:	C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\PITTSB~1\AERMOD\PITTS		
Surface format:	FREE		
Profile format:	FREE		
Surface station no.:	23254	Upper air station no.:	23230
Name:	UNKNOWN	Name:	UNKNOWN
Year:	2017	Year:	2017

First 24 hours of scalar data																				
YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNMZ	ZVMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
17	01	01	1	01	-6.0	0.077	-9.000	-9.000	-999.	51.	6.9	0.06	0.30	1.00	2.00	68.	10.0	278.9	2.1	
17	01	01	1	02	-12.2	0.215	-9.000	-9.000	-999.	240.	73.6	0.19	0.30	1.00	2.50	260.	10.0	280.8	2.1	
17	01	01	1	03	-17.9	0.318	-9.000	-9.000	-999.	430.	161.7	0.19	0.30	1.00	3.40	246.	10.0	282.4	2.1	
17	01	01	1	04	-11.1	0.130	-9.000	-9.000	-999.	149.	18.0	0.19	0.30	1.00	2.20	238.	10.0	281.9	2.1	
17	01	01	1	05	-3.4	0.062	-9.000	-9.000	-999.	42.	6.2	0.06	0.30	1.00	1.60	75.	10.0	278.8	2.1	
17	01	01	1	06	-1.6	0.046	-9.000	-9.000	-999.	24.	5.7	0.06	0.30	1.00	1.20	47.	10.0	277.0	2.1	
17	01	01	1	07	-1.6	0.046	-9.000	-9.000	-999.	24.	5.7	0.06	0.30	1.00	1.20	68.	10.0	276.5	2.1	
17	01	01	1	08	-1.9	0.042	-9.000	-9.000	-999.	21.	3.7	0.06	0.30	0.74	1.10	69.	10.0	276.6	2.1	
17	01	01	1	09	1.9	0.137	0.177	0.005	102.	122.	-120.3	0.06	0.30	0.38	1.70	78.	10.0	277.9	2.1	
17	01	01	1	10	17.9	0.176	0.677	0.008	624.	177.	-27.4	0.06	0.30	0.26	2.00	47.	10.0	278.9	2.1	
17	01	01	1	11	27.4	0.232	0.849	0.018	807.	268.	-41.2	0.06	0.30	0.21	2.70	22.	10.0	281.4	2.1	
17	01	01	1	12	57.9	0.476	1.165	0.019	987.	788.	-167.9	0.19	0.30	0.20	4.50	273.	10.0	283.4	2.1	
17	01	01	1	13	58.6	0.610	1.207	0.011	1084.	1142.	-349.0	0.19	0.30	0.19	5.90	259.	10.0	283.8	2.1	
17	01	01	1	14	55.1	0.580	1.184	0.019	1087.	1062.	-319.0	0.19	0.30	0.20	5.60	271.	10.0	284.5	2.1	
17	01	01	1	15	37.5	0.537	1.042	0.019	1088.	947.	-371.5	0.19	0.30	0.24	5.20	262.	10.0	285.4	2.1	
17	01	01	1	16	11.9	0.479	0.702	0.019	1089.	800.	-835.9	0.19	0.30	0.32	4.70	251.	10.0	285.4	2.1	
17	01	01	1	17	-30.0	0.309	-9.000	-9.000	-999.	436.	88.6	0.19	0.30	0.57	3.50	226.	10.0	284.1	2.1	
17	01	01	1	18	-29.6	0.263	-9.000	-9.000	-999.	324.	55.2	0.19	0.30	1.00	3.20	236.	10.0	282.6	2.1	
17	01	01	1	19	-42.7	0.395	-9.000	-9.000	-999.	596.	130.4	0.19	0.30	1.00	4.30	246.	10.0	281.5	2.1	
17	01	01	1	20	-38.2	0.447	-9.000	-9.000	-999.	717.	211.0	0.19	0.30	1.00	4.70	238.	10.0	281.4	2.1	
17	01	01	1	21	-29.8	0.349	-9.000	-9.000	-999.	501.	128.5	0.19	0.30	1.00	3.80	240.	10.0	281.4	2.1	

17 01 01 1 22 -24.1 0.425 -9.000 -9.000 -999. 664. 287.4 0.19 0.30 1.00 4.40 238. 10.0 281.0 2.1
17 01 01 1 23 -18.6 0.217 -9.000 -9.000 -999. 283. 49.6 0.19 0.30 1.00 2.70 225. 10.0 280.6 2.1
17 01 01 1 24 -2.3 0.055 -9.000 -9.000 -999. 93. 6.4 0.03 0.30 1.00 1.60 220. 10.0 280.1 2.1

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
17 01 01 01 2.1 0 -999. -99.00 279.0 999.0 -99.00 -99.00
17 01 01 01 10.0 1 68. 2.00 -999.0 23.9 -99.00 0.77

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

▲ *** AERMOD - VERSION 23132 *** *** Pittsburg Substaiton Total PM2.5 Controlled *** 06/19/25
*** AERMET - VERSION 18081 *** *** 11:26:19
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): A8TFX004 ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597162.10	4210087.30	0.06278	597153.60	4210266.30	0.23674
597359.20	4210518.50	0.22363			

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*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM25 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 0.23674 AT (597153.60, 4210266.30, 0.00, 0.00, 1.50)	SR		
	2ND HIGHEST VALUE IS 0.22363 AT (597359.20, 4210518.50, 0.00, 0.00, 1.50)	SR		
	3RD HIGHEST VALUE IS 0.06278 AT (597162.10, 4210087.30, 0.00, 0.00, 1.50)	SR		
	4TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	5TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	6TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	7TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	8TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	9TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			
	10TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)			

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

▲ *** AERMOD - VERSION 23132 *** *** Pittsburg Substaiton Total PM2.5 Controlled *** 06/19/25
*** AERMET - VERSION 18081 *** *** 11:26:19
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data

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

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

A Total of 0 Fatal Error Message(s)
A Total of 3 Warning Message(s)
A Total of 221 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 43 Calm Hours Identified

A Total of 178 Missing Hours Identified (2.03 Percent)

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

***** WARNING MESSAGES *****
MX W403 57 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W403 1 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data
MX W481 8785 MAIN: Data Remaining After End of Year. Number of Hours= 24

*** AERMOD Finishes Successfully ***
