

```

1                AERMOD PRIME - (DATED 23132 )

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

Run Began on 6/19/2025 at 10:44:30

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

CO STARTING
CO TITLEONE    Pittsburg Substation DPM PM10 Uncontrolled
CO MODELOPT    DFAULT CONC NODRYDPLT NOWETDPLT
CO RUNORNOT    RUN
CO AVERTIME    ANNUAL
CO POLLUTID    PM10
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 1.24E-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
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\DOW_2017.SFC"
** SURFFILE    "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\DOW_2017.SFC"
ME PROFFILE    "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\DOW_2017.PFL"
** PROFFILE    "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\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 DPM PM10 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** *** *** 10:44:30
PAGE 1

*** MODELOPTs: RegDEFAULT 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: PM10

**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

▲ *** AERMOD - VERSION 23132 *** *** Pittsburg Substaiton DPM PM10 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** *** *** 10:44:30
PAGE 2

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

SOURCE ID	NUMBER PART.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
A8TFX004	0	0.12400E-07	596712.5	4210727.3	0.0	3.00	21	1.00	NO		NO
*** AERMOD - VERSION	23132	***	***	Pittsburg	Substaiton	DPM	PM10	Uncontrolled		***	06/19/25
*** AERMET - VERSION	18081	***	***							***	10:44:30
*** MODELOPTs:	RegDEFAULT	CONC	ELEV	FLGPOL	NODRYDPLT	NOWETDPLT	RURAL	SigA	Data		PAGE 3

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

```

ALL      A8TFX004      ,
^ *** AERMOD - VERSION 23132 *** *** Pittsburg Substaiton DPM PM10 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** *** *** 10:44:30
*** MODELOPTS: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 4

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[illegible]

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

```

1.54, 3.09, 5.14, 8.23, 10.80,
^ *** AERMOD - VERSION 23132 *** *** Pittsburgh Substaiton DPM PM10 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** *** *** 10:44:30
*** MODELOPTS: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 5

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Surface file: C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C-1\061825\AERMOD\DOW_2017.SFC
Profile file: C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C-1\061825\AERMOD\DOW_2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23254
Name: UNKNOWN
Year: 2017
Upper air station no.: 23230
Name: UNKNOWN
Year: 2017

```

First 24 hours of scalar data				1999												2000											
YR	MO	DAY	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	1.287	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	1.084	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																									

First hour of profile data

YR	MO	DAY	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 DPM PM10 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** *** 10:44:30
PAGE 6

*** 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 PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597162.10	4210087.30	0.00908	597153.60	4210266.30	0.03425
597359.20	4210518.50	0.03236			

*** AERMOD - VERSION 23132 *** *** Pittsburg Substaiton DPM PM10 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** *** 10:44:30
PAGE 7

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

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

** CONC OF PM10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 0.03425 AT (597153.60, 4210266.30, 0.00, 0.00, 1.50)	SR		
	2ND HIGHEST VALUE IS 0.03236 AT (597359.20, 4210518.50, 0.00, 0.00, 1.50)	SR		
	3RD HIGHEST VALUE IS 0.00908 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 DPM PM10 Uncontrolled *** 06/19/25
*** AERMET - VERSION 18081 *** *** 10:44:30
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 ***

1 AERMOD PRIME - (DATED 23132)
AERMODPrMSPx VERSION
(C) COPYRIGHT 1998-2022, Trinity Consultants

Run Began on 6/19/2025 at 10:45:56

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

CO STARTING
CO TITLEONE Pittsburg Substaiton DPM PM10 Controlled
CO MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT
CO RUNORNOT RUN
CO AVERTIME ANNUAL
CO POLLUTID PM10
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 8.1E-09 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\DOW_2017.SFC"
** SURFFILE "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\DOW_2017.SFC"
ME PROFFILE "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\DOW_2017.PFL"
** PROFFILE "C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\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 DPM PM10 Controlled *** 06/19/25
*** AERMET - VERSION 18081 *** *** *** 10:45:56
*** MODELPTS: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 1

*** 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: PM10

**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

▲ *** AERMOD - VERSION 23132 *** *** Pittsburg Substaiton DPM PM10 Controlled *** 06/19/25
*** AERMET - VERSION 18081 *** *** *** 10:45:56
*** MODELPTS: RegDEFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 2

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	AREA Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
A8TFX004	0	0.81000E-08	596712.5	4210727.3	0.0	3.00	21	1.00	NO		NO
*** AERMOT - VERSION 21312 *** *** AERMOT - VERSION 18081 ***											
Pittsburg Substaiton DPM PM10 Controlled *** ***											
*** MODELPTS: RegFAULT CONC ELEV FLGPOL NODRYDPLT NOWETDPLT RURAL SigA Data *** ***											

SRCGROUP ID	SOURCE IDs
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*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

[illegible]

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

```

1.54, 3.09, 5.14, 8.23, 10.80,
*** AERMOD - VERSION 23132 *** *** Pittsburgh Substation DPM PM10 Controlled ***
*** AERMET - VERSION 18081 *** *** ***
*** MODELOPTS: RegDEFAULT CONC ELEV FLGPOL NODRYPLT NOWETDPLT RURAL SigA Data
06/19/25
10:45:56
PAGE 5

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Surface file:  C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\DOW_2017.SFC           Met Version:  18081
Profile file:  C:\Users\ryan\MYDRIV~1.COM\CI777F~1\24-99C~1\061825\AERMOD\DOW_2017.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23254                               Upper air station no.: 23230
Name: UNKNOWNN                                           Name: UNKNOWNN
Year: 2017                                                Year: 2017

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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	887.	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	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	-														

First hour of profile data

YR	MO	DAY	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 Substation DPM PM10 Controlled *** 06/19/25
*** AERMET - VERSION 18081 *** *** 10:45:56
PAGE 6

*** 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 PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
597162.10	4210087.30	0.00593	597153.60	4210266.30	0.02238
597359.20	4210518.50	0.02114			

*** AERMOD - VERSION 23132 *** *** Pittsburg Substation DPM PM10 Controlled *** 06/19/25
*** AERMET - VERSION 18081 *** *** 10:45:56
PAGE 7

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

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

** CONC OF PM10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 0.02238 AT (597153.60, 4210266.30, 0.00, 0.00, 1.50)	SR		
	2ND HIGHEST VALUE IS 0.02114 AT (597359.20, 4210518.50, 0.00, 0.00, 1.50)	SR		
	3RD HIGHEST VALUE IS 0.00593 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 Substation DPM PM10 Controlled *** 06/19/25
*** AERMET - VERSION 18081 *** *** 10:45:56
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 ***
