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PACSCON
Client Centric | Geo-Environmentally Focused

4517 George Road, Suite 220
Tampa, FL 33634

December 30, 2022

Ms. Amber Igoe, CHMM
Environmental Consultant
Hazardous Waste Program and Permitting
2600 Blair Stone Rd MS 4560
Florida Department of Environmental Protection
Tallahassee, FL 32399

Subject: **PERMIT MODIFICATION REQUEST**
US Ecology Tampa, Inc.
7202 East 8th Avenue, Tampa, FL 33619
EPA Facility ID #FLD 981 932 494
Hazardous Waste Operating Permit #34875-HO-16
Solid Waste Operating Permit #34875-SO-15
PACSCON No. 2022-1654

Dear Ms. Igoe:

Pursuant to our past discussions and communications with the **Florida Department of Environmental Protection** (FDEP or Department), **PACSCON GeoEnvironmental, Inc.** (PACSCON) in coordination with **US Ecology Tampa, Inc.** (USE) is requesting certain modifications to their existing combined facility operating permit as discussed further in this correspondence.

Consistent with previous modification requests approved by the Department in 2021, the proposed modifications discussed herein are anticipated to increase operational efficiency at the facility due to significantly increased business volume through the pandemic. Based on the substantial modification demonstration completed in support of this permit modification request and discussed herein, it has been determined by USE that the proposed modifications are not considered substantial as defined under subsection 62-730.182(4), Florida Administrative Code (F.A.C.). In accordance with Section 62-730.292, F.A.C., PACSCON will complete public notice of the proposed modifications upon receipt of the Department's notice of intent to modify.

A series of five (5) figures supporting the modification narrative are attached hereto (see **Figures**). The required executed FDEP hazardous waste application forms and supporting information are provided in **Attachment A**. Additionally, a check in the amount of $5,000 for the moderate (Class 2) permit modification fee will be provided directly to the Department.

SUBSTANTIAL MODIFICATION DEMONSTRATION

Since the USE hazardous waste treatment, storage, or disposal facility (TSDF) does not comply with the location standards in Section 403.7211, Florida Standards (F.S.), an evaluation was completed by PACSCON and USE at the Department's request to demonstrate that the modifications proposed herein are not "substantial" in accordance with subsection 62-730.182(3). A Site Location Map and an Overall Facility Layout Plan are attached hereto as **Figures 1 and 2**, respectively.

As defined in subsection 62-730.182(4), F.A.C., a substantial modification means any change in operations, structures, or permit conditions, at a permitted TSDF, or any changes to the transfer facility notification submitted to the Department in accordance with subsection 62-730.171(2), F.A.C., which is reasonably expected to lead to a substantial increase in the potential impact, or risk of impact, from a release at that facility, as further clarified in 62-730.182(4)(a) and (b). Regarding 62-730.182(4)(a), F.A.C., the PACSCON team completed worst-case scenario air contaminant modeling in general accordance with subsection 62-730.182(5), F.A.C. The results of this modeling, as discussed below in this section, demonstrate that there will not be a substantial increase in the potential impact from a release at the USE facility. Further, regarding 62-730.182(4)(b), F.A.C., while an increase in the volume of hazardous waste managed at the USE facility is proposed, it should be noted that the facility is compliant with the conditions of subsection 62-730.182(7)(a) through (o), F.A.C. Compliance with these conditions is demonstrated through the documentation provided in volumes 1 and 2 of the comprehensive application, dated April 6, 2019, prepared in support of the latest renewal of the USE facility's consolidated operating permit.

The PACSCON team completed worst-case release scenario airborne contaminant modeling as required in subsection 62-730.182(5). The parameters and conditions used in developing the model for the USE facility were consistent with the air dispersion modeling protocol presented to the FDEP Waste Management Division in July 2022 and subsequent clarifying discussions held with the Department in September 2022, specifically:

- The PACSCON team completed a comprehensive review of the legacy treatment/stabilization activities conducted at the USE facility which resulted in the identification of five (5) potential compounds of concern (COCs) demonstrating the potential to generate off-site airborne impacts.
- For each of these COCs, emissions factors were developed for subsequent use with the AERMOD dispersion model. The model was then used to predict short-term and long-term

impacts of the resulting COCs at off-site receptors surrounding and extending outward two (2) kilometers from the USE facility boundary.

- The resulting modeled impacts were then directly compared with applicable target reference levels from various regulatory lists, as applicable, for both short-term and long-term exposure modes.
- The modeling and risk analysis results demonstrate that the project appears to substantially comply with applicable target reference levels for the studied COCs.

A comprehensive *Airborne Contaminant Risk Assessment Report* discussing the methodology, results, and conclusions of these activities is provided as **Attachment B** hereto.

Compliance with requirements of subsection 62-730.182(6), F.A.C., have been demonstrated through the documentation, data, and analyses provided in volumes 1 and 2 of the comprehensive application, dated April 6, 2019, prepared in support of the latest renewal of the USE facility's consolidated operating permit.

In summary, based on this demonstration the modifications proposed herein are not considered by USE to be substantial in nature. USE acknowledges that except for the construction of the new consumer products consolidation platform approved in your e-mail, dated December 16, 2022, none of the proposed modifications will be implemented at the facility until the Department approves this demonstration and the permit modification request.

REQUESTED FACILITY MODIFICATIONS

The locations of the proposed modifications to the combined facility permit being requested by USE are indicated on **Figure 3** attached hereto and discussed individually below:

Modification 1 – Increase Waste Processing Building Storage Capacity
(Permit Page 36 of 57, Part II Subpart B1, Condition 26 and Table at end of Part II Subpart B1 located on Page 39 of 57)

To increase operational efficiency and throughput of the hazardous waste treatment process completed within the Waste Processing Building (WPB), or Solid Waste Management Unit (SWMU) 7, USE proposes to increase the approved storage capacity on the floor within this structure. Specifically, USE proposes to double stack containers in the designated storage area within the WPB (see **Figure 3**) thereby effectively doubling the storage capacity in this area from 4,950 to 9,900 gallons (or from 90 to 180 55-gallon drums) of hazardous waste (waste codes D002, D004 through D011, and K062) for up to 365 days.

Refer to the Substantial Modification Determination narrative above and the *Airborne Contaminant Risk Assessment Report* provided as **Attachment B** for comprehensive details regarding the worst-case scenario air dispersion modeling and air contaminant risk assessment

completed by the PACSCON team in support of this proposed modification.

Modification 2 – Increase Facility Inbound Staging Volume
(Permit Page 35 of 57, Part II Subpart B1, Condition 18)

USE requests approval to double the authorized unloaded (inbound) staging volume in the Inbound/Outbound (I/O) Staging Area (SWMU 11) from 10,000 to 20,000 gallons (see **Figure 3**). At the request of USE, the Department confirmed in an e-mail, dated July 14, 2022, that the currently authorized I/O Staging Area volume of 10,000 gallons is separate and exclusive from and not included in the total authorized USE facility-wide hazardous waste storage capacity as specified on the table on page 39 of 57 of the combined operating permit at the end of Part II Subpart B1.

This requested modification is necessary to accommodate the significantly increased business volume experienced at the facility during the pandemic. It is anticipated by USE that this business volume will be sustained and further expanded post-pandemic.

Modification 3 – Consolidation Platform Construction & RUNI Screw Compactor Unit Installation
(Permit Page 38 of 57, Part II Subpart B1, Condition 31 and Table at end of Part II Subpart B1 located on Page 39 of 57)

As discussed previously with the Department, USE would like to transition the retail waste/household hazardous waste (HHW) processing area pilot program located on the Orient Road property to a permanent operation at the facility designated the consumer products consolidation platform (see **Figures 2 and 3**). Examples of wastes to be processed in this area will include, but not necessarily be limited to paints, thinners, solvents, pesticides, herbicides, fertilizers, pool chemicals, motor oil, greases, hydraulic oils, acidic and caustic cleaners, and personal care products such as soaps, hair care, etc. USE is requesting approval from the Department to reconfigure the facility's operations to accommodate this increased business, which as discussed above is anticipated to be sustained and further expanded post pandemic.

A direct result of the increased business is that floor space within Bay 1 on the north side of the Container Storage Building (CSB) has been significantly constrained through the increased volume of retail waste and HHW received at the facility. This constraint has had a ripple effect throughout the CSB and facility operations overall. As a solution, under the pilot program USE moved these waste processing and recontainerization operations to the paved area immediately west of the CSB (see **Figure 4**). The processing and recontainerization operations were completed directly on a flatbed trailer that was staged on the asphalt paved area on a temporary basis during the pilot program. This pilot operation has been so successful that it has become a model of sorts for other facilities across the USE network.

Under a permanent configuration, USE will use a semipermanent loading dock product manufactured by Dockzilla. The loading dock is semipermanent in the sense that the sections of

the dock engineered for the USE facility are essentially portable but will be deployed in such a manner as they will be a permanent consolidation platform solution as shown on **Figure 4**. The consolidation platform will be anchored to monolithically poured concrete foundations and is manufactured of heavy-duty diamond plate treated with a marine grade epoxy for traction. The consolidation platform will be 60 feet long by 16 feet wide and will contain four truck loading docks and a set of stairs on the west side and another loading dock and a 30-foot-long by 8-foot-wide drive ramp on the east side. The consolidation platform will be covered from the elements and sun using a canopy that will be permanently mounted to poured in place concrete footings. The canopy will have a maximum peak height of ±29 feet and will accommodate a maximum anticipated internal equipment clear hit of ±23 feet. It is anticipated that the cover of the canopy will be removable during periods of severe weather.

To contain any incidental spills or releases that may occur during processing operations, the entire footprint of the consolidation platform will be secondarily contained at ground surface using either concrete curbing or drive-over spill containment berms, as appropriate. The concrete foundations and curbing installed at the USE facility will be treated with an additive, Xypex Admix C-500/C-500 NF, which consists of Portland cement, silica sand and various active, proprietary chemicals that are added to the concrete mix at the time of batching. The active chemicals in the additive react with the moisture in fresh concrete and with the byproducts of cement hydration to cause a catalytic reaction that generates a non-soluble crystalline formation throughout the pores and capillary tracts of the concrete which permanently seals the concrete and prevents the penetration of water and other liquids from any direction.

Consistent with the pilot program, box trucks or trailers transporting retail waste or HHW to the consumer products consolidation platform will backup directly to the loading docks to offload and/or these materials will be brought to this area from the CSB using a forklift or other type of acceptable transport method. Popup containments will be deployed underneath the unloading areas to contain any incidental spills or releases that might happen during transfer operations. Following the completion of processing or recontainerization activities, containers will be placed back inside the CSB for storage when processing is complete.

Operational experience gained during the pilot program has indicated that it will be necessary to store a maximum of up to 2,000 gallons on the consumer products consolidation platform. A portion of the 50,000-gallon storage capacity for the CSB, Improved Secondary Containment Area (ISCA) within the CSB, and the I/O Staging Area will be reallocated to this platform to account for the 2,000 gallons of storage proposed at this location. This reallocation is noted in the Total Existing & Proposed Hazardous Waste Storage Capacities documentation provided in support of the executed FDEP forms attached hereto (see **Attachment A**). At no time will the authorized 50,000-gallon storage capacity be exceeded.

As illustrated on **Figure 4**, USE also proposes to install a new RUNI SK370 screw compactor unit and conveyor system integral with the new consumer products consolidation platform and

canopy. According to the manufacturer, the RUNI SK370 is a big, heavy duty, versatile machine that compacts a large variety of different materials, including difficult jobs that other machines can't handle. It will primarily be used at the USE facility for processing containers of retail herbicides and pesticides and compacted dunnage. The discharge, toxic liquids, and reject materials from the screw compactor will be contained in an IBC tote the contents of which will be managed (recontainerized) on the adjacent consolidation platform when full. Use of the screw compactor will greatly increase the efficiency of drum pour ups that typically take 30 minutes when completed manually but will take less than 5 minutes using this machine. The use of this machine will also increase safety by avoiding the need to manually cut bottles during drum pour ups and minimize the potential for spills versus manual processing. The RUNI screw compactor will be permanently mounted to poured in place concrete footings and its operational footprint will be secondarily contained at ground surface using either concrete curbing or drive-over spill containment berms, as appropriate, to contain incidental spills or releases.

Given the potential concern regarding air emissions generated through the use of the screw compactor, USE engaged Trinity Consultants, Inc. (Trinity) to complete an air permitting and regulatory evaluation related to the use of this new proposed unit at the facility. Based on Trinity's evaluation, which was presented in a Technical Memorandum dated May 9, 2022, the proposed operation of this unit at the USE facility is exempt from air permitting, as the proposed activities fall under the Generic Emission Unit Exemption requirements included under Rule 62-210.300(3)(b)1, F.A.C. At the Department's request, Trinity's referenced Technical Memorandum was provided previously and, as such, is not included herein.

Rainwater accumulated in the containment areas or pop-up containments in the footprint of the consumer products consolidation platform and screw compactor will be visually inspected for signs of impact, such as discoloration, turbidity or suspended solids, foam, an oil sheen, or other obvious indicators of potential pollution prior to draining. If there are no obvious indicators of potential pollution in the rainwater it will be drained directly from the containments to the surface. Rainwater possessing obvious indicators of potential pollution will not be drained directly to the surface and will be addressed using absorbents or other applicable means until the indicator has been removed prior to draining, or the rainwater will be pumped out of the containments and placed into the facility process. At the discretion of facility management, any potentially impacted rainwater in the containments may also be pumped out and transported offsite for proper disposal.

As previously discussed with the Department, the new consumer products consolidation platform will be designated SWMU 20, and the new screw compactor will be designated SWMU 21 as illustrated on **Figure 5**.

CLOSING

We trust that the Department will find this permit modification request submittal complete and

sufficient. Should you have any questions or need anything further to complete your review of this submittal, please do not hesitate to contact Chris Poole at (813) 447-9433, or via e-mail at cpoole@pacscon.com, or Ken Dean at (813) 319-3433, or via e-mail at ken.dean@usecology.com.

We sincerely appreciate your continued assistance with this permit modification request.

Sincerely,

PACSCON

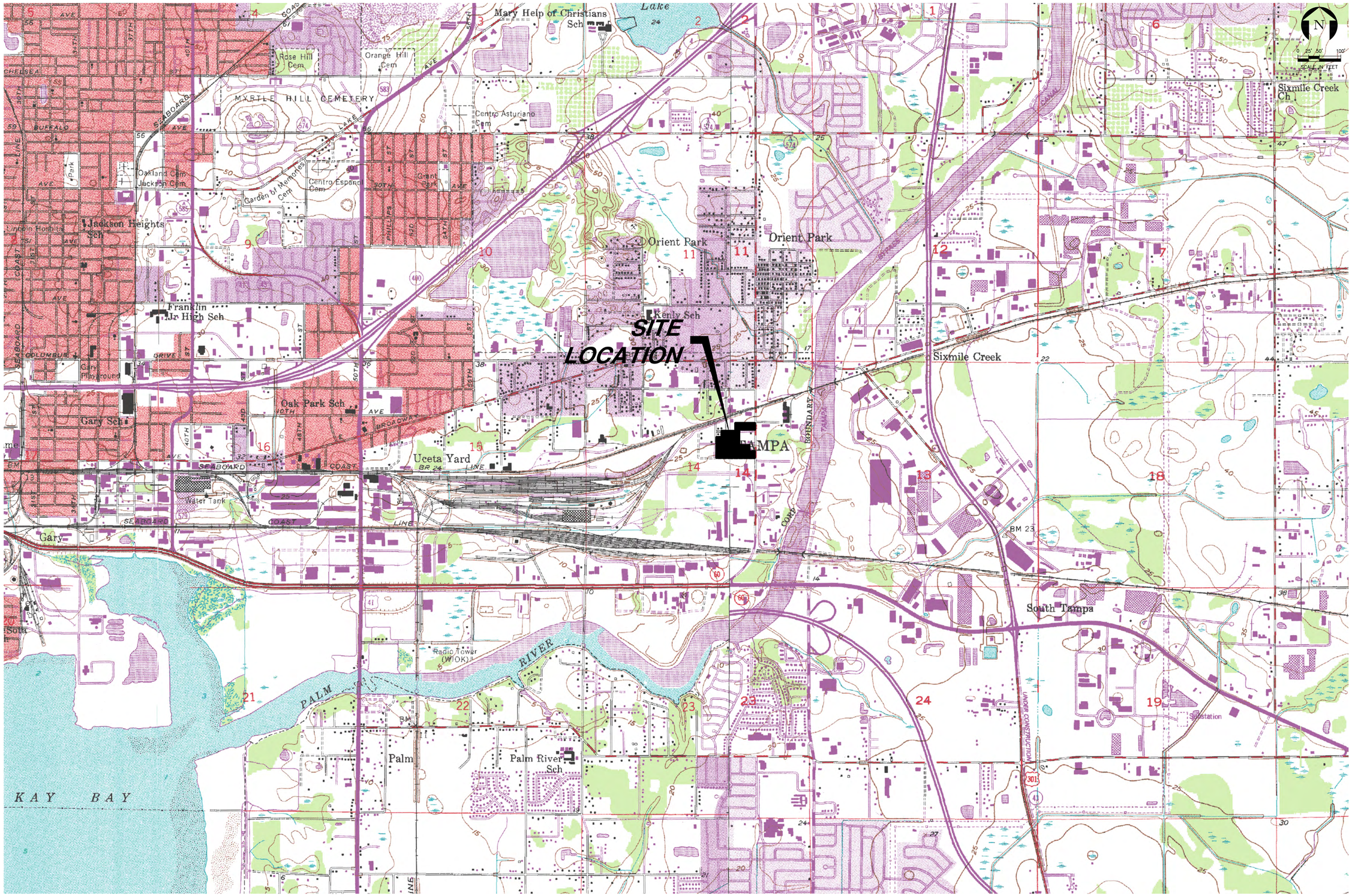
F.J. "Paco" Amram, P.E.
Senior Engineer

Christopher B. Poole, PG, CPG
President | Founding Principal

Attachments: Figures
Attachment A – Executed Forms & Supporting Information
Attachment B – Airborne Contaminant Risk Assessment Report

ec: Ken Dean – USE Tampa
Don Locke – USE Tampa
Dean Barcenas – 3Leaf Solutions

FIGURES



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4517 GEORGE ROAD, SUITE 220
TAMPA, FLORIDA 33634
ENGINEERING CERTIFICATION OF AUTHORIZATION: 32162
PHONE: (844) 772-2726 E-MAIL: INFO@PACSCON.COM

SITE LOCATION MAP

US ECOLOGY TAMPA, INC.
7202 EAST 8TH AVENUE
TAMPA, FLORIDA 33619

PROJECT No. 2022-1654
FIGURE 1 of 5

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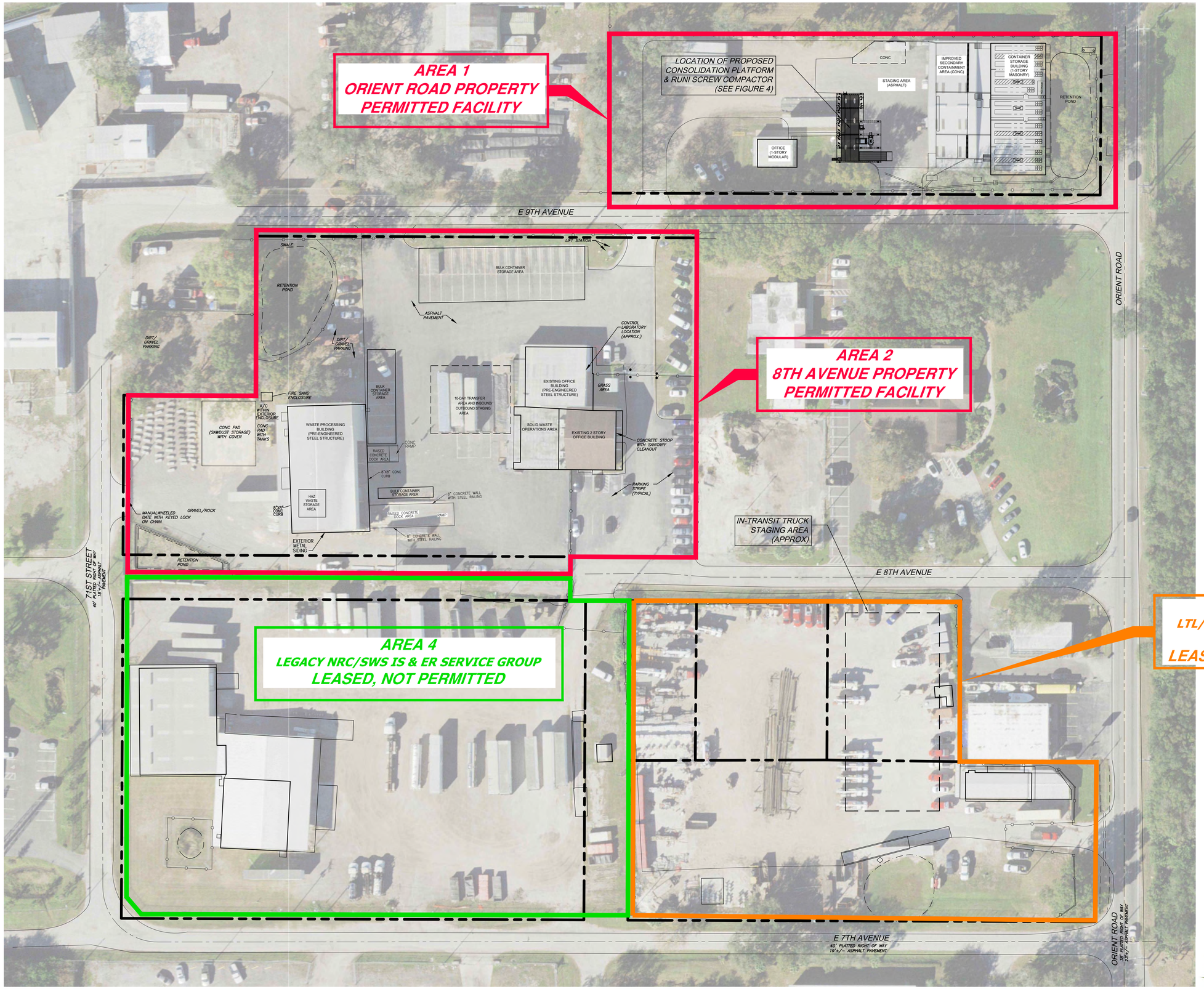

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OVERALL FACILITY LAYOUT PLAN
US ECOLOGY TAMPA, INC.
7202 EAST 8TH AVENUE
TAMPA, FLORIDA 33619

PROJECT No. 2022-1654

FIGURE 2 of 5

PACSCON
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LOCATION OF PROPOSED CONSOLIDATION PLATFORM & RUNI SCREW COMPACTOR (SEE FIGURE 4)

MODIFICATION #3 LOCATION SEE FIG. 4

CONC
STAGING AREA (ASPHALT)
IMPROVED SECONDARY CONTAINMENT AREA (CONC)
CONTAINER STORAGE BUILDING (1-STORY MASONRY)
RESTROOM
RETENTION POND
OFFICE (1-STORY MODULAR)

E 9TH AVENUE

ORIENT ROAD

SWALE
RETENTION POND
DIRT/ GRAVEL PARKING
LIFT STATION
BULK CONTAINER STORAGE AREA SEE CONFIGURATION DETAIL ON THIS SHEET
ASPHALT PAVEMENT
MODIFICATION #2 LOCATION
CONTROL LABORATORY LOCATION (APPROX.)
GRASS AREA
EXISTING OFFICE BUILDING (PRE-ENGINEERED STEEL STRUCTURE)
10-DAY TRANSFER AREA AND INBOUND/ OUTBOUND STAGING AREA
SOLID WASTE OPERATIONS AREA
EXISTING 2 STORY OFFICE BUILDING
CONCRETE STOOP WITH SANITARY CLEANOUT
PARKING STRIPE (TYPICAL)
FIRE SAND ENCLOSURE
A/C WITHIN EXTERIOR ENCLOSURE
CONC PAD (SAWDUST STORAGE) WITH COVER
CONC PAD WITH TANKS
WASTE PROCESSING BUILDING (PRE-ENGINEERED STEEL STRUCTURE)
BULK CONTAINER STORAGE AREA
RAISED CONCRETE DOCK AREA
CONC RAMP
8"X8" CONC CURB
MODIFICATION #1 LOCATION
BULK CONTAINER STORAGE AREA
8" CONCRETE WALL WITH STEEL RAILING
HAZ WASTE STORAGE AREA
RAISED CONCRETE DOCK AREA
RAMP
8"X8" CONC CURB
MANUAL/WHEELED GATE WITH KEYED LOCK ON CHAIN
GRAVEL/ROCK
EXTERIOR METAL SIDING
RETENTION POND
IN-TRANSIT TRUCK STAGING AREA (APPROX)
E 8TH AVENUE

BCSA 20A STORAGE CONFIGURATION DETAIL

NOTE:
DUMP TRAILERS AND 20 YARD ROLL-OFF CONTAINERS MAY BE STORED IN BCSA'S PENDING OFF-SITE TRANSPORT.

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PERMITTED FACILITY LAYOUT PLAN
US ECOLOGY TAMPA, INC.
7202 EAST 8TH AVENUE
TAMPA, FLORIDA 33619

PROJECT No. 2022-1654
FIGURE 3 of 5

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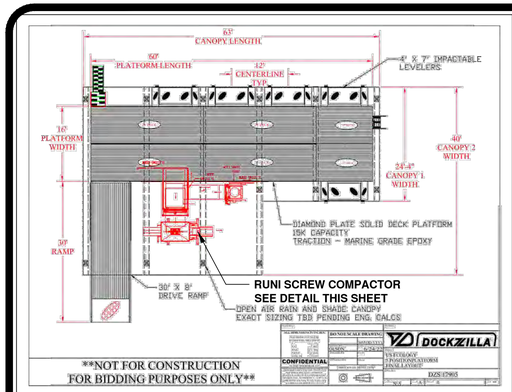

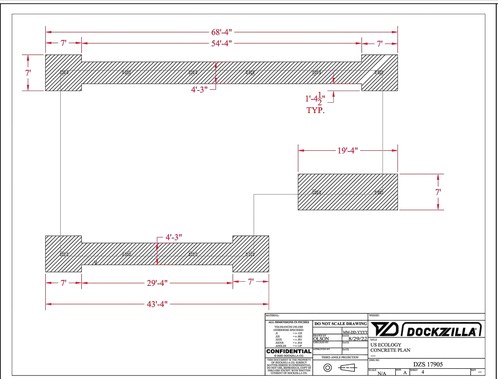

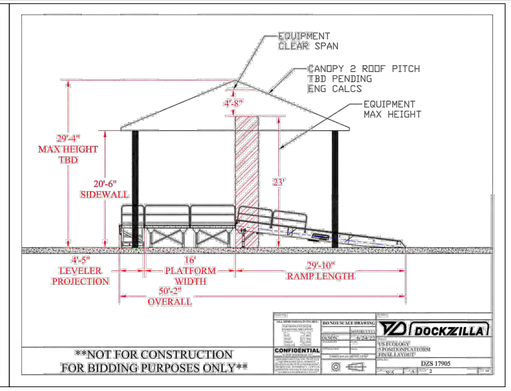

RUNI SK370 SCREW COMPACTOR
(RENDERING FOR INFORMATION PURPOSES ONLY)

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STAGING AREA
IMPROVED SECONDARY CONTAINMENT AREA
CONTAINER STORAGE BUILDING
MAN GATE WITH KEYED LOCK ON CHAIN
6'CLF
CONCRETE
ASPHALT
COVERED CONCRETE
TRENCH DRAIN
BAY 1A
BAY 1B
BAY 2
BAY 3A
BAY 3B
SUMP
RESTROOM
LOCATION OF PROPOSED CONSOLIDATION PLATFORM & RUNI SCREW COMPACTOR (SEE INSET DETAILS)
SPEED BUMP
SUBSURFACE PIPE
PAINT CAN CRUSHER
TRENCH DRAIN
STAIRS
RAMP
CONC
CARBON AND SAND FILTER
TRENCH DRAIN
GRATE INLET
GRATE INLET 6'CLF
JUNCTION BOX
DRUM CRUSHER/ RAG COMPACTOR
TOP OF BANK
DITCH
EDGE OF PAVEMENT
ORIENT ROAD
E 9TH AVENUE

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ORIENT RD. PROPERTY LAYOUT PLAN
US ECOLOGY TAMPA, INC.
7202 EAST 8TH AVENUE
TAMPA, FLORIDA 33619

PROJECT No. 2022-1654
FIGURE 4 of 5

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This PACSCON drawing is only for Environmental permitting through FDEP/EPC, and Not for Construction permitting.

SWMU INDEX:

1. CONTAINER STORAGE AREA/5 SUMPS (CONTAINER STORAGE BUILDING)
2. LOADING/UNLOADING DOCKS (IMPROVED SECONDARY CONTAINMENT AREA)
3. STORMWATER RETENTION POND
4. FILTER PRESS (CERTIFIED CLOSED ON 10/31/2013)
5. MUNICIPAL WASTE DUMPSTER (LOCATION MAY VARY WITHIN GENERAL AREA INDICATED)
6. STORMWATER PRE-TREATMENT UNIT
7. WASTE PROCESSING BUILDING (HAZARDOUS AND NON-HAZARDOUS WASTE)
8. UNIVERSAL WASTE BATTERY STORAGE AREA
9. PAINT CAN CRUSHING AREA

SWMU INDEX con't:

10. ROLL-OFF STORAGE AREA (SOLID WASTE OPERATIONS AREA)
11. 10-DAY TRANSFER & INBOUND/OUTBOUND STAGING AREA
12. USED OIL FACILITY
13. SATELLITE ACCUMULATION AREA
14. PARTS WASHER
15. ADDITIONAL STORMWATER RETENTION POND
16. UNIVERSAL WASTE LAMP STORAGE AREA
17. AEROSOL CAN CRUSHING AREA (REMOVED AND SCRAPPED CIRCA 2010)
18. DRUM CRUSHING AREA
19. OIL-WATER SEPARATOR TANK/SYSTEM (NEVER INSTALLED)
20. BULK CONTAINER STORAGE AREAS (A THRU C)
21. CONSOLIDATION PLATFORM (PROPOSED)
22. RUNI SCREW COMPACTOR (PROPOSED)

E 9TH AVENUE
E 8TH AVENUE
ORIENT ROAD
SWALE
LIFT STATION
RETENTION POND
DIRT/ GRAVEL PARKING
ASPHALT PAVEMENT
CONTROL LABORATORY LOCATION (APPROX.)
FIRE SAND ENCLOSURE
A/C WITHIN EXTERIOR ENCLOSURE
CONC PAD (SAWDUST STORAGE) WITH COVER
CONC PAD WITH TANKS
WASTE PROCESSING BUILDING (PRE-ENGINEERED STEEL STRUCTURE)
HAZ WASTE STORAGE AREA
BULK CONTAINER STORAGE AREA
10-DAY TRANSFER AREA AND INBOUND/ OUTBOUND STAGING AREA
EXISTING OFFICE BUILDING (PRE-ENGINEERED STEEL STRUCTURE)
GRASS AREA
SOLID WASTE OPERATIONS AREA
EXISTING 2 STORY OFFICE BUILDING
CONCRETE STOOP WITH SANITARY CLEANOUT
PARKING STRIPE (TYPICAL)
RAISED CONCRETE DOCK AREA
CONC RAMP
8"X8" CONC CURB
8" CONCRETE WALL WITH STEEL RAILING
RAMP
EXTERIOR METAL SIDING
MANUAL WHEELED GATE WITH KEYED LOCK ON CHAIN
GRAVEL/ROCK
CONC
STAGING AREA (ASPHALT)
IMPROVED SECONDARY CONTAINMENT AREA (CONC)
CONTAINER STORAGE BUILDING (1-STORY MASONRY)
RETENTION POND
OFFICE (1-STORY MODULAR)
RESTROOM

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SOLID WASTE MANAGEMENT UNITS
US ECOLOGY TAMPA, INC.
7202 EAST 8TH AVENUE
TAMPA, FLORIDA 33619

PROJECT No. 2022-1654
FIGURE 5 of 5

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ATTACHMENT A

Executed Forms & Supporting Information

APPLICATION FOR A HAZARDOUS WASTE PERMIT
PART I – GENERAL
TO BE COMPLETED BY ALL APPLICANTS

Please Type or Print

A. General Information [40 CFR Part 270.13 (a)]

1. Type of Facility in accordance with Part 270.13(a)
   - ☑ TREATMENT
     - ☑ Tanks ☐ Piles ☐ Surface Impoundment
     - ☐ Incineration ☐ Containment Building
     - ☐ Boiler / Industrial Furnace Type of Unit _____
     - ☐ Miscellaneous Unit Type of Unit _____
   - ☑ STORAGE
     - ☑ Containers ☐ Tanks ☐ Piles
     - ☐ Surface Impoundment ☐ Containment Building
     - ☐ Miscellaneous Unit Type of Unit _____
   - ☐ DISPOSAL
     - ☐ Landfill ☐ Land Treatment ☐ Surface Impoundment
     - ☐ Miscellaneous Units Type of Unit _____

2. Type of application [40 CFR Part 270.13 (a)]:
   - ☐ Construction Permit
   - ☐ Operation Permit
   - ☑ Construction & Operation Permit
   - ☐ Research, Development & Demonstration (RD&D) Permit
   - ☐ Postclosure Permit
   - ☐ Clean Closure Plan
   - ☐ Subpart H Remedial Action Plan
   - ☐ Corrective Action

3. Revision Number: 00

4. Date Current Operation Began, or is expected to begin: 07 / 01 / 1990

5. Facility Name [40 CFR Part 270.13 (b)] US Ecology Tampa, Inc.

6. EPA/DEP I.D. No. FLD981932494

7. Facility Location or Street Address [40 CFR Part 270.13 (b)] 2002 North Orient Road, Tampa, FL 33619

8. Facility Mailing Address 7202 East 8th Avenue
   Street or P.O. Box
   Tampa FL 33619
   City State Zip

9. Contact Person Ken Dean Telephone (813) 319-3433

   Title EHS Compliance Manager

   Mailing Address 7202 East 8th Avenue
   Street or P.O. Box
   Tampa FL 33619
   City State Zip

Contact E-mail ken.dean@usecology.com

10. Operator Name [40 CFR Part 270.13 (d)] Don Locke

Telephone (813) 319-3410

Mailing Address 7202 East 8th Avenue
Street or P.O. Box

Tampa | FL | 33619
City | State | Zip

Operator E-mail don.locke@usecology.com

11. Facility owner's name [40 CFR Part 270.13 (e)] Don Locke

Telephone (813) 319-3410

Mailing address 7202 East 8th Avenue
Street or P.O. Box

Tampa | FL | 33619
City | State | Zip

E-mail address don.locke@usecology.com

12. Legal structure [40 CFR Part 270.13 (d)]

☑ Corporation ☐ Non-profit corporation ☐ Partnership ☐ Individual
☐ Local government ☐ State government ☐ Federal government ☐ Other

13. If an individual, partnership, or business is operating under an assumed name, specify the county and state where the name is registered.

County N/A State N/A

14. If the legal structure is a corporation, indicate the state of incorporation.

State of Incorporation Michigan

15. If the legal structure is an individual or partnership, list the owners.

Name N/A

Address N/A
Street or P.O. Box | City | State | Zip

Name N/A

Address N/A
Street or P.O. Box | City | State | Zip

16. Site Ownership Status

☑ Owned ☐ To be purchased ☐ To be leased _____ years
☐ Presently leased; the expiration date of the lease is ____/____/_____.

If leased, indicate land owner's name. _____

Address _____
Street or P.O. Box City State Zip

E-mail address _____

17. Name of Engineer Francisco J. "Paco" Amram, P.E. Registration No. 45133

Address 4517 George Road, Suite 220, Tampa, FL 33634
Street or P.O. Box City State Zip

Associated with: PACSCON GeoEnvironmental, Inc.

18. Is the facility located on Tribal land [40 CFR Part 270.13 (f)]? ☐ Yes ☑ No

19. Existing or pending environmental permits (attach a separate sheet, if necessary): [40 CFR Part 270.13 (k)]

NAME OF PERMIT	AGENCY	PERMIT NUMBER	DATE ISSUED	EXPIRATION DATE
See Attached	See Attached	See Attached	See Attached	See Attached

B. Site Information [40 CFR Part 270.13 (b)]

1. The facility is located in Hillsborough county.

The nearest community to the facility is Tampa.

Latitude 27 Deg. 57 Min. 44.95 Sec. N Longitude 82 Deg. 22 Min. 26.17 Sec. W

Method and datum Facility Center on Google Earth

2. The area of the facility site is 4.46 (MOL) acres.

3. Attach a scale drawing and photographs of the facility showing the location of all past, present, and future treatment, storage and disposal areas. Include photographs and the locations of all Solid Waste Management Units and Areas of Concern. Also, show the hazardous wastes traffic pattern including estimated volume and control [40 CFR Part 270.13 (h)].

4. Attach a topographic map which shows all the features indicated in the instructions for this part.

5. Is the facility located in a 100-year flood plain? ☐ Yes ☑ No

6. The facility complies with the wellhead protection requirements of Chapter 62-521, F.A.C.

☑ Yes ☐ No

C. Land Use Information

1. The present zoning of the site is IH - Industrial Heavy.

2. If a zoning change is needed, what should the new zoning be? N/A.

D. Operating Information

1. Is waste generated on-site? ☑ Yes ☐ No

2. List the NAICS codes (5 to 6 digits) [40 CFR Part 270.13 (c)] 562111 562112

   562211 562219

3. Use the codes and units provided in the instructions to complete the following table. Specify [40 CFR Part 270.13 (i and j)]:

   a. Each process used for treating, storing or disposing of hazardous waste (including design capacities) at the facility, and;

   b. The hazardous waste(s) listed or designated in 40 CFR Part 261, including the annual quantities, to be treated, stored, or disposed by each process at the facility.

PROCESS CODE	PROCESS DESIGN CAPACITY AND UNITS OF MEASURE	HAZARDOUS WASTE CODE	ANNUAL QUANITY OF HAZARDOUS WASTE AND UNITS OF MEASURE
See Attached	See Attached	See Attached	See Attached

4. A brief description of the facility [40 CFR Part 270.13 (m)]:

   The USE Tampa facility is a permitted non-hazardous and hazardous waste storage and treatment facility and a registered hazardous waste transporter with a State-registered (on-site) transfer facility. No on-site disposal occurs at the USE facility.

5. For hazardous debris, a description of the debris category(ies) and contaminant category(ies) to be treated, stored or disposed of at the facility [40 CFR Part 270.13 (n)]:

   N/A

P. Information Regarding Potential Releases from Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs)

Facility Name US Ecology Tampa, Inc.

EPA/DEP I.D. No. FLD981932494

Facility location Tampa, FL
City State

1. Are any of the following (SWMUs or AOCs), existing or closed at your facility?

A SWMU is a discernible unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Such units include all areas at a facility where solid wastes have been routinely and systematically released, as described in the July 27,1990 Federal Register (55 FR 30798). The SWMU list in this form does not include all types of SWMUs. These are examples of the more common types of units. If you have a different type of SWMU, mark "yes" under "other".

AOCs are indiscernible units at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid or hazardous waste. Examples of AOCs include areas where loading and unloading of chemicals may have occurred or an area of contamination with no known source.

Do not include hazardous waste units that are currently being permitted in your Part B Application.

Landfill	☐ Yes	☑ No
Surface impoundment	☐ Yes	☑ No
Land farm	☐ Yes	☑ No
Waste pile	☐ Yes	☑ No
Incinerator	☐ Yes	☑ No
Storage tank	☐ Yes	☑ No
Container storage area	☑ Yes	☐ No
Injection wells	☐ Yes	☑ No
Wastewater treatment units	☐ Yes	☑ No
Transfer station	☑ Yes	☐ No
Waste recycling operations	☑ Yes	☐ No
Land treatment facility	☐ Yes	☑ No
Boiler/industrial furnace	☐ Yes	☑ No
Satellite accumulation areas	☑ Yes	☐ No
Less than 90-day storage units	☐ Yes	☑ No
Stormwater retention ponds	☑ Yes	☐ No
Septic tanks	☐ Yes	☑ No
Used oil/oil filter collection units	☑ Yes	☐ No
Aerosol can/drum crushers	☑ Yes	☐ No
On-ground areas, pits, ditches	☐ Yes	☑ No
Other (units not listed above)	☐ Yes	☑ No

2. For each "yes" answer in one (1.) above, on separate sheet(s) of paper:

   a. Describe the wastes that were stored, treated or disposed of in each unit, and whether the wastes would be considered hazardous wastes or hazardous constituents under RCRA. (Hazardous wastes are those identified in 40 CFR Part 261. Hazardous constituents are those listed in Appendix VIII of 40 CFR Part 261.) Include any available data on quantities or volumes of wastes disposed of and the dates of disposal.

   b. Describe each unit, type of unit including construction details, capacity, dimensions (supply any available drawings), and location at the facility on the topographic map provided under 40 CFR 270.14(b)(19). Provide a site plan, if available, and the dates of operation of the unit [40 CFR 270.14(d)(1)]. If the information has previously been submitted formally to the Department, references to the documents and or summary tables may be submitted to meet this requirement.

   c. Include a copy of federal, state and local permits or authorizations for SWMUs that may be permitted under other environmental programs.

3. For each unit described in two (2.) above, and for each hazardous waste unit in your Part B application [40 CFR 270.14(d)(2)], on separate sheet(s) of paper, provide available data on all prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the past or may still be occurring. If the data has previously been submitted formally to the Department, references to the documents and or summary tables may be submitted to meet this requirement. Provide the following information for each SWMU/AOC:

   a. Date of release
   b. Estimated or known quantity or volume of waste released
   c. Location of the release
   d. Describe the nature of the release (i.e., spill, overflow, ruptured pipe or tank, etc.).

4. Provide, for each unit, all available analytical data that describes the nature and extent of the environmental contamination due to the releases described in three (3.) above, on separate sheet(s) of paper. Focus on the concentrations of hazardous wastes or constituents present in contaminated media (e.g., soil, sediment, surface water and groundwater) [40 CFR 270.14(d)(3)]. If the information has previously been submitted formally to the Department, references to the documents and or summary tables may be submitted to meet this requirement.

Refer to Section 2.2 of the 2019 permit application for a discussion regarding the facility details and background, including figures that cover all areas of facility operations. Refer to the following specific application sections for detailed discussion about the units checked above: Container Storage Area - Section 2.3.1; Transfer Station - Sections 2.3.2 & 2.3.3; Waste Recycling Operations - Section 2.3.4; Hazardous Waste Treatment Tank (Other) - Sections 2.3.4 , 2.4.5 & 11.0.

APPLICATION FOR A HAZARDOUS WASTE FACILITY PERMIT
CERTIFICATION
TO BE COMPLETED BY ALL APPLICANTS

Signature and Certification

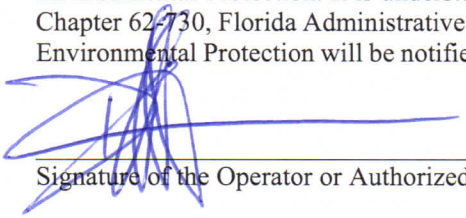
Facility Name US Ecology Tampa, Inc.

EPA/DEP I.D. No. FLD981932494

The following certifications must be included with the submittal of an application for a hazardous waste authorization. The certifications must be signed by the owner of a sole proprietorship; or by a general partner of a partnership; or by a principal executive officer of at least the level of vice president of a corporation or business association, or by a duly authorized representative of that person. If the same person is a facility operator, facility owner, and real property owner, that person can cross out and initial the signature blocks under "1. Facility Operator" and "2. Facility Owner," and add the words "Facility Owner and Operator" at the line "Signature of the Land Owner or Authorized Representative."

1. Facility Operator

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Further, I agree to comply with the provisions of Chapter 403, Florida Statutes, and all rules of the Department of Environmental Protection. It is understood that the permit is only transferable in accordance with Chapter 62-730, Florida Administrative Code (F.A.C.), and, if granted a permit, the Department of Environmental Protection will be notified prior to the sale or legal transfer of the permitted facility.



Signature of the Operator or Authorized Representative*

Don Locke / General Manager

Name and Title (Please type or print)

Date December 19, 2022 E-mail address don.locke@usecology.com

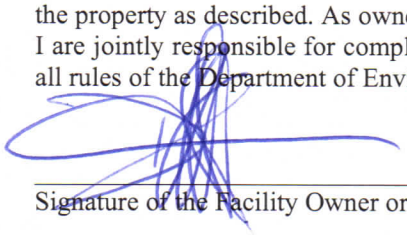
Telephone (813) 319-3410

*** Attach a letter of authorization**

DEP Form 62-730.900(2)(d), incorporated in Rule 62-730.220(2)(a), F.A.C., Effective Date: 12/2019

2. Facility Owner

This is to certify that I understand this application is submitted for the purpose of obtaining a permit to construct, operate, or conduct remedial activities at a hazardous waste management facility on the property as described. As owner of the facility, I understand fully that the facility operator and I are jointly responsible for compliance with the provisions of Chapter 403, Florida Statutes, and all rules of the Department of Environmental Protection.



Signature of the Facility Owner or Authorized Representative*

Don Locke / General Manager

Name and Title (Please type or print)

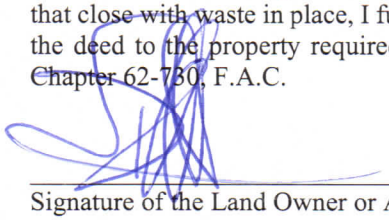
Date December 19, 2022 E-mail address don.locke@usecology.com

Telephone (813) 319-3410

*** Attach a letter of authorization**

3. Land Owner

This is to certify that I, as land owner, understand that this application is submitted for the purpose of obtaining a permit for the construction, operation, postclosure or corrective actions of a hazardous waste management facility on the property as described. For hazardous waste facilities that close with waste in place, I further understand that I am responsible for providing the notice in the deed to the property required by 40 CFR 264.119 and 265.119, as adopted by reference in Chapter 62-730, F.A.C.



Signature of the Land Owner or Authorized Representative*

Don Locke / General Manager

Name and Title (Please type or print)

Date December 19, 2022 E-mail address don.locke@usecology.com

Telephone (813) 319-3410

*** Attach a letter of authorization**

4. Professional Engineer Registered in Florida

Complete this certification when required to do so by Chapter 471, F.S., or when not exempted by Rule 62-730.220(9), F.A.C.

This is to certify that the engineering features of this hazardous waste management facility have been designed or examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgement, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and rules of the Department of Environmental Protection.

Signature

Francisco J. "Paco" Amram, P.E.
Name (please type)

Florida Registration Number 45133

Mailing Address 4517 George Road, Suite 220
Street or P.O. Box

Tampa | FL | 33634
City | State | Zip

Date ~~December~~ JAN. 16, 2023 E-mail address pamram@pacscon.com

Telephone (813) 503-6319

(PLEASE AFFIX SEAL) Signature + Seal also cover the Figures 1 to 5 in the submittal.

FRANCISCO JOSE AMRAM LICENSE No. 45133 STATE OF FLORIDA PROFESSIONAL ENGINEER

1-16-23

5. Professional Geologist Registered in Florida

Complete this certification when required to do so by Chapter 492, F.S., or when not exempted by Rule 62-730.220(10), F.A.C.

This is to certify that the interpretations of geology at this hazardous waste management facility have been examined by me, and the interpretations conform to sound geological principles. In my professional judgement, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and the rules of the Department of Environmental Protection.

_____
Signature

NOT APPLICABLE
_____
Name (please type)

Florida Registration Number _____

Mailing Address _____
Street or P.O. Box

_____
City State Zip

Date _____ E-mail address _____

Telephone (____) _____

(PLEASE AFFIX SEAL)

US ecology

101 S. Capitol Blvd., Suite 1000, Boise, ID. 83702
800.590.5220 208.331.7900

August 24, 2018

Subject: Delegation of Signing Authority

To whom it may concern:

As a Responsible Corporate Officer of US Ecology Tampa, Inc., I due hereby delegate to the Director of Operations, General Manager or Facility Manager with day-to-day operational authority of the respective company's facility, the authority of signing letters, reports, applications and forms or other required documents requested or required by governmental agencies on behalf of US Ecology Tampa, Inc..

Sincerely,

Simon Bell
Vice President
US Ecology Tampa, Inc.

US Ecology Tampa, Inc. Environmental Permit List			
Permit	**Permit #**	**Agency**	**Expiration Date**
EPA ID #	FLD981932494	FDEP	N/A
EPA STORM WATER NOI MULTI-SECTOR	FLR05E179-005	FDEP	7/10/2026
SOLID WASTE PERMIT	34757-SO-015	FDEP	4/1/2024
MERCURY STORAGE & TRANSPORTER	FLD981932494	FDEP	3/1/2023
HAZARDOUS WASTE TRANSPORTER	FLD981932494	FDEP	6/30/2023
TAMPA PORT AUTHORITY WASTE OIL	N/A	TPA	9/30/2023
WASTE TIRE COLLECTOR	44633	FDEP	4/1/2023
USED OIL COLLECTION & TRANSPORTER	FLD981932494	FDEP	6/30/2023
BROWARD CO. WASTE TRANSPORTER	WT-22-0004	DNRP	2/28/2024
HAZARDOUS WASTE PERMIT (TSDF)	34875-HO-016	FDEP	4/1/2024

US Ecology Tampa, Inc.

PERMITTED HAZARDOUS WASTE CODES

CHARACTERISTIC WASTE

D001 D002 D003 D004 D005 D006 D007 D008 D009 D010 D011 D012 D013 D014 D015 D016 D017 D018
D019 D020 D021 D022 D023 D024 D025 D026 D027 D028 D029 D030 D031 D032 D033 D034 D035 D036
D037 D038 D039 D040 D041 D042 D043

HAZARDOUS WASTE FROM NON-SPECIFIC SOURCES

F001 F002 F003 F004 F005 F006 F007 F008 F009 F010 F011 F012 F019 F020 F021 F022 F023 F024
F025 F026 F027 F028 F032 F034 F035 F037 F038 F039

HAZARDOUS WASTE FROM SPECIFIC SOURCES

K001 K002 K003 K004 K005 K006 K007 K008 K009 K010 K011 K013 K014 K015 K016 K017 K018 K019
K020 K021 K022 K023 K024 K025 K026 K027 K028 K029 K030 K031 K032 K033 K034 K035 K036 K037
K038 K039 K040 K041 K042 K043 K044 K045 K046 K047 K048 K049 K050 K051 K052 K060 K061 K062
K069 K071 K073 K083 K084 K085 K086 K087 K088 K093 K094 K095 K096 K097 K098 K099 K100 K101
K102 K103 K104 K105 K106 K107 K108 K109 K110 K111 K112 K113 K114 K115 K116 K117 K118 K123
K124 K125 K126 K131 K132 K136 K141 K142 K143 K144 K145 K147 K148 K149 K150 K151 K161

DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES AND SPILL RESIDUES THEREOF

P001 P002 P003 P004 P005 P006 P007 P008 P009 P010 P011 P012 P013 P014 P015 P016 P017 P018
P020 P021 P022 P023 P024 P026 P027 P028 P029 P030 P031 P033 P034 P036 P037 P038 P039 P040
P041 P042 P043 P044 P045 P046 P047 P048 P049 P050 P051 P054 P056 P057 P058 P059 P060 P062
P063 P064 P065 P066 P067 P068 P069 P070 P071 P072 P073 P074 P075 P076 P077 P078 P081 P082
P084 P085 P087 P088 P089 P092 P093 P094 P095 P096 P097 P098 P099 P101 P102 P103 P104 P105
P106 P108 P109 P110 P111 P112 P113 P114 P115 P116 P118 P119 P120 P121 P122 P123 P127 P128
P185 P188 P189 P190 P191 P192 P194 P196 P197 P198 P199 P201 P202 P203 P204 P205

U001 U002 U003 U004 U005 U006 U007 U008 U009 U010 U011 U012 U014 U015 U016 U017 U018 U019
U020 U021 U022 U023 U024 U025 U026 U027 U028 U029 U030 U031 U032 U033 U034 U035 U036 U037
U038 U039 U041 U042 U043 U044 U045 U046 U047 U048 U049 U050 U051 U052 U053 U055 U056 U057
U058 U059 U060 U061 U062 U063 U064 U066 U067 U068 U069 U070 U071 U072 U073 U074 U075 U076
U077 U078 U079 U080 U081 U082 U083 U084 U085 U086 U087 U088 U089 U090 U091 U092 U093 U094
U095 U096 U097 U098 U099 U101 U102 U103 U105 U106 U107 U108 U109 U110 U111 U112 U113 U114
U115 U116 U117 U118 U119 U120 U121 U122 U123 U124 U125 U126 U127 U128 U129 U130 U131 U132
U133 U134 U135 U136 U137 U138 U140 U141 U142 U143 U144 U145 U146 U147 U148 U149 U150 U151
U152 U153 U154 U155 U156 U157 U158 U159 U160 U161 U162 U163 U164 U165 U166 U167 U168 U169
U170 U171 U172 U173 U174 U176 U177 U178 U179 U180 U181 U182 U183 U184 U185 U186 U187 U188
U189 U190 U191 U192 U193 U194 U196 U197 U200 U201 U203 U204 U205 U206 U207 U208 U209 U210
U211 U213 U214 U215 U216 U217 U218 U219 U220 U221 U222 U223 U225 U226 U227 U228 U234 U235
U236 U237 U238 U239 U240 U243 U244 U246 U247 U248 U249 U271 U278 U279 U280 U328 U353 U359
U364 U367 U372 U373 U387 U389 U394 U395 U404 U409 U410 U411

US ECOLOGY TAMPA, INC.

Summary of Characteristic and Listed Hazardous Wastes

Process Code	Process Design Capacity and Units of Measure	Hazardous Waste Code(s)	Annual Quantity of Hazardous Waste (Gallons)[2]
S01	*The permitted maximum capacity of 50,000 gallons is not exceeded at any time.*	D001	1,267,993
S01		D002	1,065,555
S01		D003	97,978
S01		"D" Characteristic Wastes D004 - D043	991,067
S01		"F" Listed Wastes	609,875
S01		"P" Listed Wastes	26,640
S01		"K" Listed Wastes	8,000
S01		"U" Listed Wastes	80,211
		TOTAL =	4,147,319
T21[1]		"D" Characteristic Wastes to be treated will include only D002 and D004 through D011	1,010,590
T21[1]		K062	2,000
		TOTAL =	1,012,590

Notes:
1 - Chemical fixation/solidification/stabilization in the treatment tank.
2 - Based on volume of waste received during CY 2017.

Total Existing and Proposed Hazardous Waste Storage Capacities

Existing Permitted Capacity[3]	
Container Storage Building (CSB) Bay 1	20,000 Gallons[4,5]
Container Storage Building (CSB) Bay 2	10,000 Gallons[4,5]
Container Storage Building (CSB) Bay 3	20,000 Gallons[4,5]
Improved Secondary Containment Area (ISCA)	10,000 Gallons[4]
Inbound/Outbound Staging Area (I/O)	10,000 Gallons[4]
Waste Processing Building (WPB)	4,950 gallons
10-Day Transfer Area	20,000 Gallons or 100 Cubic Yards
Bulk Container Stroage Areas	800 Cubic Yards
Unloaded Waste Inbound Capacity	10,000 Gallons

Proposed Permitted Capacity[6]	
Increased WPB Storage Capacity	4,950 Gallons
Consumer Products Consolidation Platform (CP2) Storage Capacity	2,000 Gallons[4]
Increased Unloaded Waste Inbound Capacity	10,000 Gallons

Notes:
3 - Total Existing Authorized Hazardous Waste Storage Capacity is 74,950 gallons + 800 Cubic Yards
4 - Provided the permitted maximum capacity of 50,000 gallons is not exceeded at any time.
5 - Each bay may contain hazardous wastes with any of the USE Tampa permitted waste codes. The hazardous waste is segregated into separate bays (and containment) by hazard class and compatibility, not by waste code.
6 - Total Proposed Hazardous Waste Storage Capacity is 79,900 gallons + 800 Cubic Yards

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(4), F.A.C.

Form Title: Application to Construct, Operate, or Modify a Waste Processing Facility

Effective Date: February 15, 2015

Incorporated in Rule: 62-701.710(2), F.A.C.

APPLICATION TO CONSTRUCT, OPERATE, OR MODIFY A WASTE PROCESSING FACILITY

GENERAL REQUIREMENT: Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes (F.S.) and in accordance with Florida Administrative Code (F.A.C.) Chapter 62-701. A permit application shall be submitted in accordance with the requirements of Rule 62-701.320(5)(a), F.A.C., to the Department District Office having jurisdiction over the facility. The appropriate fee in accordance with subsection 62-701.315(4), F.A.C., shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP). Complete appropriate sections for the type of facility for which application is made and include all additional information, drawings, and reports necessary to evaluate the facility.

Please Type or Print in Ink

A. GENERAL INFORMATION

1. Type of facility (check all that apply):

■ Transfer Station:

☐ C&D ☐ Class III ☐ Class I

☐ Other Describe: _____

☐ Materials Recovery Facility:

☐ C&D Recycling ☐ Class III MRF ☐ Class I MRF

☐ Other Describe: _____

■ Other Facility That Processes But Does Not Dispose Of Solid Waste On-Site:

☐ Storage, Processing or Disposal for Combustion Facilities (not addressed in another permit)

■ Other Describe: Volume reduction, segregation, and repackaging

NOTE: C&D Disposal facilities that also recycle C&D, shall apply on DEP FORM 62-701.900(6), F.A.C.

2. Type of application:

☐ Construction/Operation

■ Operation without Additional Construction

3. Classification of application:

☐ New ☐ Substantial Modification

☐ Renewal ■ Intermediate Modification

☐ Minor Modification

4. Facility name: US Ecology Tampa, Inc.

5. DEP ID number: SWD/29/44633 County: Hillsborough

6. Facility location (main entrance): 2002 Orient Road, Tampa, FL 33619

7. Location coordinates:

Section: 14 Township: 29 South Range: 19 East

Latitude: 27 ° 57 ' 44.2 " Longitude: 82 ° 22 ' 27.6 "

Datum: WGS84 Coordinate Method: Facility Center on Google Earth

Collected by: Christopher Poole Company/Affiliation: PACSCON GeoEnvironmental, Inc.

8. Applicant name (operating authority): US Ecology Tampa, Inc.

Mailing address: 7202 East 8th Avenue, Tampa, FL 33619
Street or P.O. Box City State Zip

Contact person: Ken Dean Telephone: (813) 319-3433

Title: EHS Compliance Manager ken.dean@usecology.com
E-Mail address (if available)

9. Authorized agent/Consultant: PACSCON GeoEnvironmental, Inc.

Mailing address: 4517 George Road, Suite 220, Tampa, FL 33634
Street or P.O. Box City State Zip

Contact person: Christopher Poole Telephone: (813) 447-9433

Title: President cpoole@pacscon.com
E-Mail address (if available)

10. Landowner (if different than applicant): N/A

Mailing address: _____
Street or P.O. Box City State Zip

Contact person: _____ Telephone: (_____)_____

_____
E-Mail address (if available)

11. Cities, towns and areas to be served: Southeastern United States

12. Date site will be ready to be inspected for completion: N/A

13. Estimated costs:

Total Construction: $ N/A Closing Costs: $ N/A

14. Anticipated construction starting and completion dates:

From: N/A To: N/A

15. Expected volume of waste to be received: 10.7 yds^3/day 8.9 tons/day

16. Provide a brief description of the operations planned for this facility: Segregation and processing of solid waste for transfer to off-site disposal and recycling facilities.

B. ADDITIONAL INFORMATION

Please attach the following reports or documentation as required.

1. Provide a description of the operation of the facility that shall include (62-701.710(2)(a), F.A.C.):
   a. The types of materials, i.e., wastes, recyclable materials or recovered materials, to be managed or processed;
   b. The expected daily average and maximum weights or volumes of materials to be managed or processed;
   c. How the materials will be managed or processed;
   d. How the materials will flow through the facility including locations of the loading, unloading, sorting, processing and storage areas;
   e. The types of equipment that will be used;
   f. The maximum time materials will be stored at the facility;
   g. The maximum amounts of wastes, recyclable materials, and recovered materials that will be stored at the facility at any one time; and
   h. The expected disposition of materials after leaving the facility.

2. Attach a site plan, signed and sealed by a professional engineer registered under Chapter 471, F.S., with a scale not greater than 200 feet to the inch, which shows the facility location, total acreage of the site, and any other relevant features such as water bodies or wetlands on or within 200 feet of the site, potable water wells on or within 500 feet of the site (62-701.710(2)(b), F.A.C.).

3. Provide a boundary survey and legal description of the property (62-701.710(2)(c), F.A.C.).

4. Provide a construction plan, including engineering calculations, that describes how the applicant will comply with the design requirements of subsection 62-701.710(3), F.A.C. (62-701.710(2)(d), F.A.C.).

5. Provide an operation plan that describes how the applicant will comply with subsection 62-701.710(4), F.A.C. and the recordkeeping requirements of subsection 62-701.710(8), F.A.C. (62-701.710(2)(e), F.A.C.).

6. Provide a closure plan that describes how the applicant will comply with subsection 62-701.710(6), F.A.C. (62-701.710(2)(f), F.A.C.).

7. Provide a contingency plan that describes how the applicant will comply with subsection 62-701.320(16), F.A.C. (62-701.710(2)(g), F.A.C.).

8. Unless exempted by subparagraph 62-701.710(1)(d)1., F.A.C., provide the financial assurance documentation required by subsection 62-701.710(7), F.A.C. (62-701.710(2)(h), F.A.C.).

9. Provide a history and description of any enforcement actions by the applicant described in subsection 62-701.320(3), F.A.C. relating to solid waste management facilities in Florida. (62-701.710(2), F.A.C. and 62-701.320(7)(i), F.A.C.)

10. Provide documentation that the applicant either owns the property or has legal authorization from the property owner to use the site for a waste processing facility (62-701.710(2), F.A.C. and 62-701.320(7)(g), F.A.C.)

C. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

1. Applicant:

The undersigned applicant or authorized representative of US Ecology Tampa, Inc.

is aware that statements made in this form and attached information are an application for a Solid Waste Processing Facility Permit from the Florida Department of Environmental Protection and certifies that the information in this application is true, correct and complete to the best of his/her knowledge and belief. Further, the undersigned agrees to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the Permit is not transferable, and the Department will be notified prior to the sale or legal transfer of the permitted facility.

Signature of Applicant or Agent

Don Locke / General Manager
Name and Title (please type)

don.locke@usecology.com
E-Mail address (if available)

7202 East 8th Avenue
Mailing Address

Tampa, FL 33619
City, State, Zip Code

(813) 319-3410
Telephone Number

December 19, 2022
Date

Attach letter of authorization if agent is not a governmental official, owner, or corporate officer.

2. Professional Engineer registered in Florida (or Public Officer if authorized under Sections 403.707 and 403.7075, Florida Statutes):

This is to certify that the engineering features of this waste processing facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a set of instructions of proper maintenance and operation of the facility.

Signature

Francisco J. "Paco" Amram, P.E. / Senior Engineer
Name and Title (please type)

45133
Florida Registration Number
(please affix seal)

4517 George Road, Suite 220
Mailing Address

Tampa, FL 33634
City, State, Zip Code

pamram@pacscon.com
E-Mail address (if available)

(813) 503-6319
Telephone Number

~~December ___, 2022~~ JAN. 16, 2023
Date

FRANCISCO JOSE' AMRAM ★ LICENSE No. 45133 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

1/16/23

US ecology

101 S. Capitol Blvd., Suite 1000, Boise, ID. 83702
800.590.5220 208.331.7900

August 24, 2018

Subject: Delegation of Signing Authority

To whom it may concern:

As a Responsible Corporate Officer of US Ecology Tampa, Inc., I due hereby delegate to the Director of Operations, General Manager or Facility Manager with day-to-day operational authority of the respective company's facility, the authority of signing letters, reports, applications and forms or other required documents requested or required by governmental agencies on behalf of US Ecology Tampa, Inc..

Sincerely,

Simon Bell
Vice President
US Ecology Tampa, Inc.

PACSCON

Client Centric | Geo-Environmentally Focused

ATTACHMENT B

Airborne Contaminant Risk Assessment Report

AIRBORNE CONTAMINANT
RISK ASSESSMENT REPORT

PREPARED FOR:

US Ecology Tampa, Inc.

7202 East 8th Avenue

Tampa, FL 33619

PREPARED BY:

PACSCON GeoEnvironmental, Inc. &

3Leaf Solutions, LLC

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EXECUTIVE SUMMARY

US Ecology Tampa, Inc. (USE) applied to the Florida Department of Environmental Protection's (FDEP) Waste Management Division to modify Hazardous Waste Permit Number: 34875-HO-16, for the facility located at 7202 East 8th Avenue, Tampa, Florida.

This report is being submitted as a supplement to the modification package, and addresses the potential off-site risks to human health associated with the potential inhalation of airborne contaminants resulting from the stabilization processing of characteristic and listed hazardous wastes in a hazardous waste treatment tank located within SWMU-7 of the facility. The incoming hazardous wastes streams that are stabilized in this process *may* include constituents that are classified by the EPA and/or the FDEP as air toxics or carcinogens. As there may be a potential for these constituents to become airborne on the basis of the nature of the treatment process, a concomitant potential for an off-site ambient air impact also exists.

These so-called Compounds of Concern (COCs) are the focus of this assessment which characterizes the off-site impacts for significant COCs that are processed at the hazardous waste treatment tank. The risk assessment reviews the byproducts from the stabilization of the hazardous wastes for which Target Levels, as defined in the EPA document *Dose-Response Assessment for Assessing Health Risks Associated with Exposure to Hazardous Air Pollutants*, are provided.

To predict off-site impacts, the AERMOD model was used to estimate potential 1-hour, 8-hour, 24-hour, and annual average impacts of the resulting COCs at off-site receptors that surround the USE facility. These impacts were then compared with applicable target levels. In addition, special emphasis was also applied to assessing off-site impacts at the Orient Road Jail facility due to the elevated population density of that specific receptor and proximity to the source.

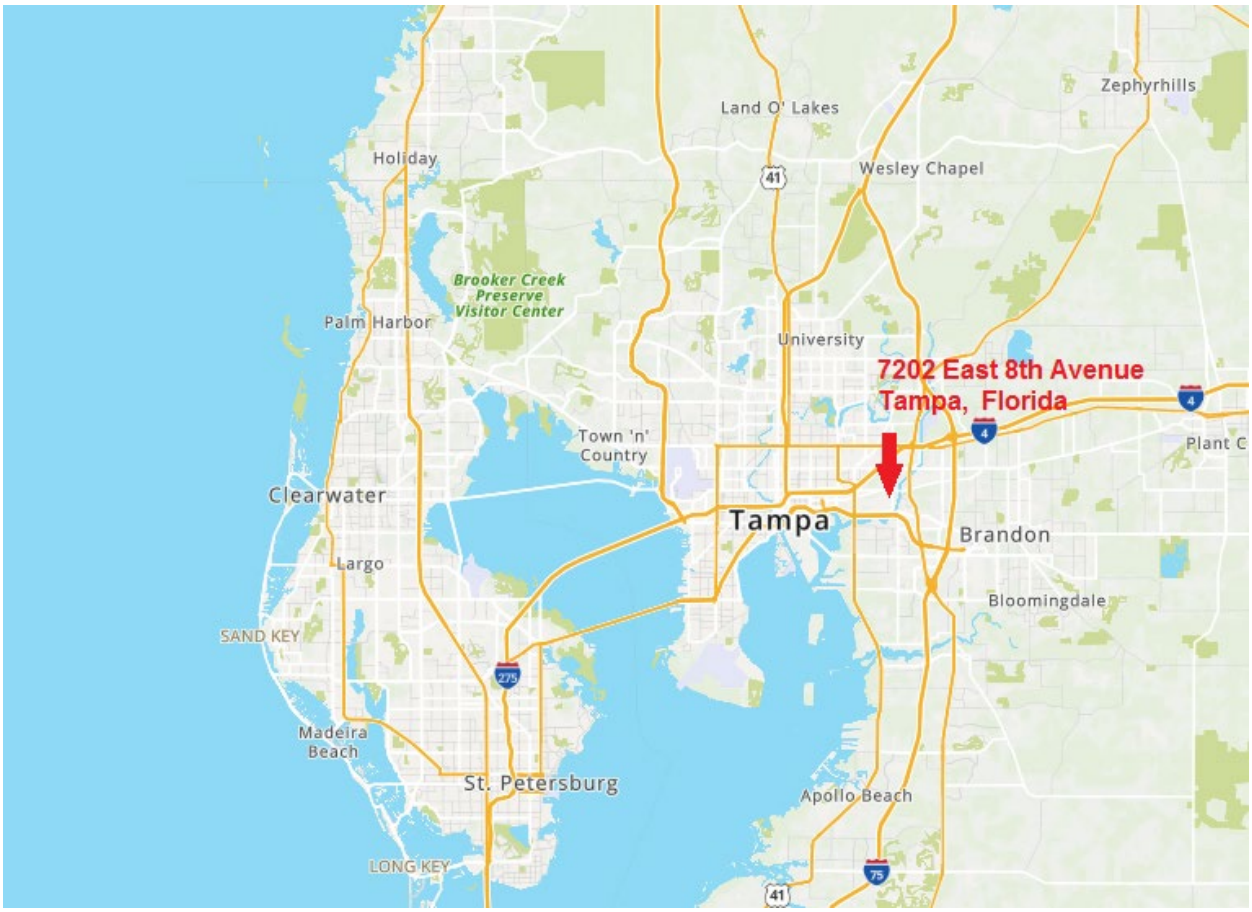
The modeling and risk analysis results demonstrate that the project complies with applicable Target Levels for the identified constituents of concern.

INTRODUCTION

US Ecology Tampa Inc. (USE), Facility ID FLD 981 932 494, applied to the Florida Department of Environmental Protection's (FDEP) Waste Management Division to modify Hazardous Waste Operating Permit: 34875-HO-16. This report is being submitted as a supplement to the Application Package, addressing the risks to human health as a result of the potential inhalation of airborne contaminants associated with the stabilization of hazardous wastes in a hazardous waste treatment tank located at SWMU-7 of the facility.

USE is located at 7202 East 8th Avenue, Tampa, Hillsborough County, Florida. The site vicinity location map of the facility is shown in Figure 1 provided on the next page.

Figure 1- Site Vicinity Map- US Ecology-Tampa, Inc.



Characteristic (D004-D011) and listed hazardous wastes (K062) are treated in an open hazardous waste treatment tank in a process which stabilizes the material in a manner such that the resulting processed mixture no longer exhibits the characteristics of hazardous waste and meets Land Disposal Restrictions requirements. This tank is located in the Waste Processing Building as part of SWMU-7. Its location is illustrated on the Site Plot Plan which is provided on the next page as Figure 2.

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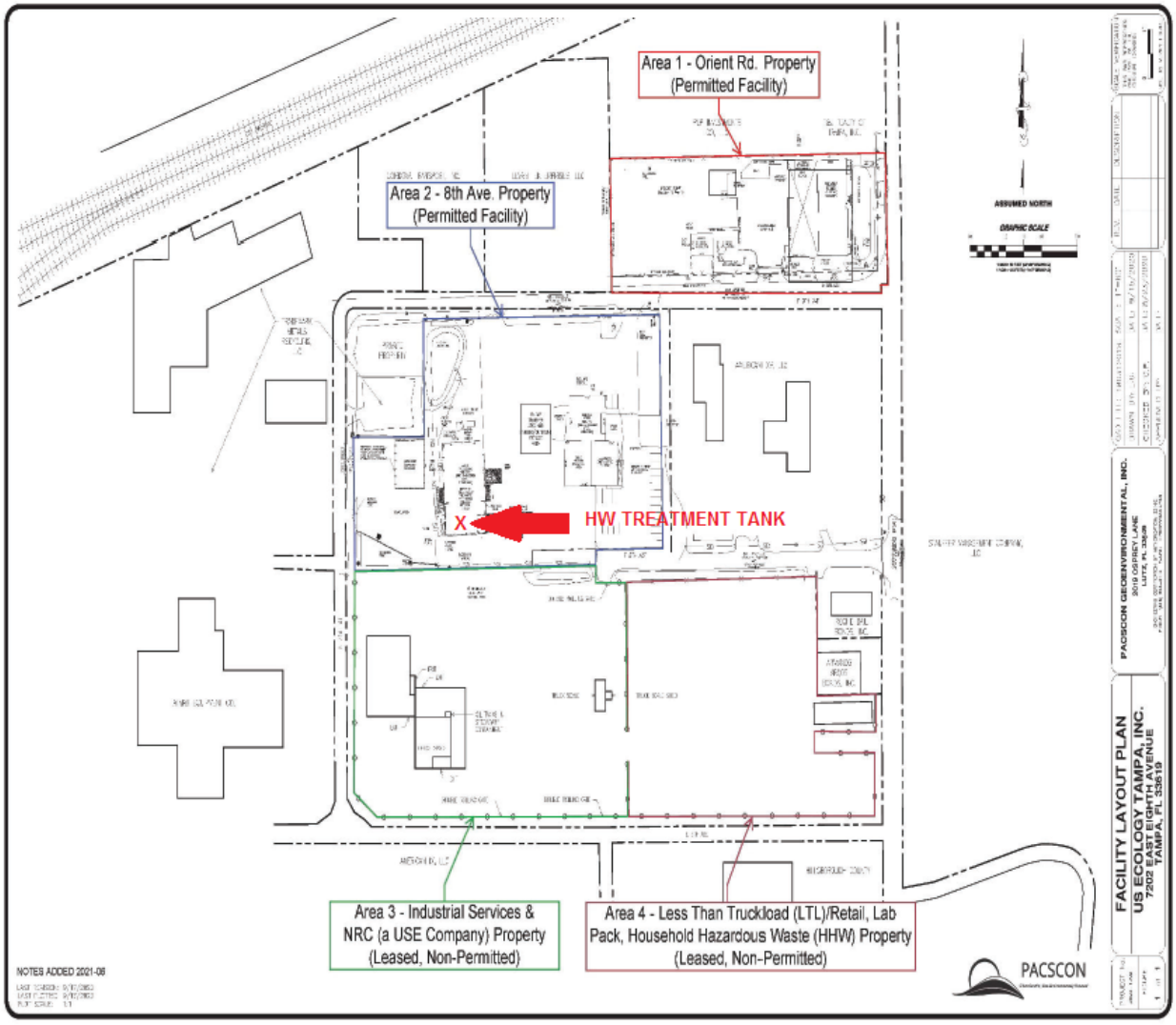
Figure 2 Site Plot Plan - US Ecology Tampa, Inc.



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The risk assessment associated with the inhalation of airborne contaminants will include toxic and potentially carcinogenic air contaminants released during the stabilization of representative hazardous waste streams. The air toxics/carcinogenic contaminants evaluated in the risk assessment included both organic compounds and inorganic compounds. The acute and chronic risks of all candidate air toxics will be based on dose-response data from the EPA document *Dose-Response Assessment for Assessing Health Risks Associated with Exposure to Hazardous Air Pollutants*, as directed by FDEP. Air dispersion modeling will be conducted in accordance with air modeling protocols approved by FDEP.

This report describes the hazardous wastes processed and stabilized by USE; the air dispersion modeling that was conducted to determine off-site ambient concentrations of air pollutants generated by treatment activities; and reports the inhalation risks to humans associated with these airborne contaminants. This report was prepared in accordance with an air dispersion modeling protocol presented to the FDEP Waste Management Division in July 2022, and on subsequent comments received from the Department in subsequent communications during September, November, and December 2022.

HAZARDOUS WASTE TREATMENT TANK PROCESS DESCRIPTION

The purpose of the hazardous waste treatment tank is to stabilize characteristic (D004-D011) and listed hazardous wastes (K062) so as to render the resulting mixture such it no longer exhibits the characteristics of hazardous waste and complies with disposal requirements. In the process, the waste selected for treatment is deposited directly into the top of the box by pumping, pouring, etc. The pH is then adjusted (neutralized) and then raised by adding treatment reagent to the waste until the optimal treatment range of 9 to 13 is reached. The material is then mechanically mixed using a backhoe, portable mixer, or similar piece of equipment thoroughly to ensure that all of the material has been treated. A solidification agent is then added to the treated mixture which eliminates any free liquids that may remain. The resulting mixture is of a homogenous consistency. Once the process is completed, a grab sample of the treated material is collected from the treatment tank for laboratory verification analysis. The material is then removed from the treatment tank by an excavator or other similar piece of heavy equipment and placed into a lined, sealed, bulk container. The bulk container is then moved for interim storage and subsequent shipment to the TSDF facility for final disposal.

WASTES AND IDENTIFICATION OF COMPOUNDS OF CONCERN (COC)

A comprehensive review was conducted to identify COCs for potential modeling and inhalation risk assessment. This review consisted of reviewing and analyzing US Ecology legacy waste stabilization/treatment logs for a complete calendar year, and identifying potential chemicals on the basis of the treatment frequency and the estimated volume (mass basis) of turnover for the specific COC.

A total of 5 COCs were identified and are presented below. Each of the COCs appear on one or more of the following five regulatory lists, and possess short-term exposure reference values,

long-term exposure reference values or RSL reference values. These COCs were selected for further risk analysis. The regulatory lists forming the criteria for COC selection included the following:

- EPA SARA 313-regulated (Form R) compounds;
- EPA List of Federal Hazardous Air Pollutants (HAPs);
- EPA's *Table 1. Prioritized Chronic Dose-Response Values*.
- EPA's *Table 2. Acute Dose-Response Values for Screening Risk Assessments*, and;
- EPA Regional Screening Levels (RSLs) List

The target list of COCs selected for risk assessment are presented in Table 1 below:

Table 1- US Ecology - Tampa- Chemicals of Concern

Chemical (COC)	CAS	FEDERAL HAP	SARA 313 Reportable	EPA Table 1. Prioritized Chronic Dose Response Value	EPA Table 2. Acute Dose Response Value	EPA RSL Table [3]
Hydrochloric acid	7647-01-0	YES	YES	0.02 mg/m^3	2.1 mg/m^3	2.1 ug/m^3
Nickel	7440-02-0	YES[1]	YES[1]	0.00009 mg/m^3	0.0002 mg/m^3	1.2E-2 ug/m^3
Ammonia	7664-41-7	NO	YES	NA	NA	5.0E-1 mg/m^3 (See Note 5)
Formaldehyde	50-00-0	YES	YES	0.0098 mg/m^3	0.049 mg/m^3	2.2 E-1 ug/m^3
Hydrofluoric acid	7664-39-3	YES	YES[2]	0.014 mg/m^3	0.016 mg/m^3	2.2 E-1 mg/m^3

Notes: 1) As Nickel Compounds
2) Reportable as 50% concentration or greater
3) Regional Screening Level (RSL) Resident Ambient Air Table (TR=1E-06, HQ=1) May 2022
4) NA- Not Applicable
5) RFC_i in mg/cubic meter

EMISSIONS ESTIMATIONS METHODOLOGY

Inorganic Acids

For the estimation of the emissions source term for the inorganic acids (HCl and HF) emissions were estimated based on the development of theoretical evaporation rates utilizing the Kawamura and Mackay equation below (Equation 1):

$$E = A \times K_M \times \left(\frac{M_W \times P_V}{R \times T} \right) (\text{kg s}^{-1})$$

where E = evaporation rate, in kg s^{-1}
A = area of the evaporating puddle (79 m^2)
K_M = mass transfer coefficient, in m s^{-1}
M_W = molecular weight of HCl (36.5 kg $kmol^{-1}$)
P_V = vapor pressure, in Pa
R = the gas constant (8314 J $kmol^{-1}$ K^{-1}), and
T = ambient temperature, in K (20°C is equal to 293.2 K).

K_M the mass transfer coefficient was estimated for each acid by employing the Mackay and Matsugo equation below: (Equation 2);

$$K_M = 0.0048 \times U^{7/9} \times Z^{-1/9} \times Sc^{-2/3} (\text{m s}^{-1})$$

where K_M = mass transfer coefficient of the HCl, in m s^{-1}
U = wind speed at a height of 10 m (5 m s^{-1})
Z = the pool diameter in the along-wind direction (10 m), and
Sc = the laminar Schmidt number for HCl.

The resulting calculated value *E,* from Equation 1 was then utilized as the emissions input rate in the AERMOD source term. The actual emissions rate was estimated by scaling the actual constituent processing rate to the theoretical short term emissions rate to derive an estimated emissions rate for the AERMOD source term. These calculations are presented in greater detail in Attachment A.

Metals/Particulate Emissions Estimation

The potential emissions of Nickel were assumed to be in particulate form from the mechanical mixing/handling of batch treatment inputs during the neutralization and stabilization of solids and semi-solids in the waste processing tank (see preceding HW Treatment Tank Process description), which could be a potential source of particulate emissions. In this regard, the potential for particulate/metal emissions estimated from the handling activities of the process inputs were estimated by the following equations provided at *USEPAs AP-42, Section 13.2.4 Aggregate Handling and Storage Piles:*

$$E = k(0.0032) \frac{\left(\frac{U}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}} \text{ (pound [lb]/ton)}$$

Where =
E = Emission factor, pounds emitted/ ton processed

K= particle size multiplier (dimensionless)
U= wind speed, (miles per hour), and;
M= Average material moisture content, %

For conservative emissions estimating purposes, an assumed moisture content of 11% was assumed (Table 13.2.4-1) and an aerodynamic particle size multiplier of 0.35 (appropriate for particles <10 um) were employed. The resulting emissions factor was then related the legacy input rates of Nickel-bearing treatment quantities to develop the appropriate emissions input value for the AERMOD source term. These COC-specific emissions calculations are presented in greater detail in Attachment A. The actual emissions rate was estimated by scaling the actual constituent processing rate to the theoretical short term emissions rate to derive an estimated emissions rate for the AERMOD source term. These calculations are presented in greater detail in Attachment A.

Formaldehyde Emissions

The theoretical emissions of Formaldehyde were estimated by first developing a mass transfer coefficient for Formaldehyde, then similarly applying the general evaporative losses equation below:

$$E_{n-1} = \frac{M_i K_i A P_i^{sat}}{R T_L}$$

The actual emissions rate was estimated by scaling the actual constituent processing rate to the theoretical short term emissions rate to derive an estimated emissions rate for the AERMOD source term. These calculations are presented in greater detail in Attachment A.

DETERMINATION OF AIR DISPERSION MODEL

Consistent with FDEP and EPA guidance protocols, AERMOD was the dispersion model used to predict off-site impacts. AERMOD is a Gaussian, steady-state plume dispersion model that simulates pollutant dispersion methods based on planetary boundary layer turbulence structure and scaling concepts, including the treatment of both surface and elevated sources, and both simple and complex terrain. AERMOD is listed in *EPA Appendix W* as the preferred model, and it is the recommended model for assessing air quality impacts up to 50 km from the source.

TERRAIN ELEVATION DATA PRE-PROCESSING

The terrain data for source and receptor AERMOD run stream input file components were pre-processed using the AERMAP pre-processor application, as AERMOD does not process its own terrain. The elevation dataset used was sourced from the National Elevation Dataset (NED) data, obtained from the USGS. *(U.S. Geological Survey, 20221019, USGS 1/3 Arc Second n28w083 20221019: U.S. Geological Survey).* The elevation data used was of 1/3 arc-second resolution.

The NED data was transformed into the GeoTiff format using the Geospatial Data Abstraction Library (GDAL) translation program, *gdal_translate.exe*, for subsequent direct processing with the AERMAP pre-processor utility. The subsequent source and receptor-specific terrain output from the AERMAP output files were then inserted into the run stream input files for the modeling with AERMOD.

METEROLOGICAL DATA CONSIDERATIONS

The basic set of meteorological data used for this inhalation risk assessment include surface and upper air data from the National Oceanic and Atmospheric Administration weather station in Tampa, Florida for the five-year period 2016-2020. These data are curated by the FDEP on its website in AERMET format and are the mandatory basic meteorological data set used with the AERMOD model.

AIR DISPERSION MODELING AND RISK ASSESSMENT

Averaging Times and Operating Hours

Based on guidance provided by FDEP, the averaging times for the air toxics/carcinogen levels considered in the inhalation risk assessment were established at 1-hour, 8-hours, and annual. For purposes of the AERMOD modeling, the averaging times between one-hour and 8-hours are considered short-term impacts while the annual averaging time is considered a long-term impact.

Definition Of Area Source Parameters

Based on pre-application discussions with FDEP it was agreed to model the source as an area source in the AERMOD modeling effort. The hazardous waste treatment tank most behaves as an area source, as it has no defined stack for an emissions point.

Source Term Definition

For clarity and efficiency, a unit COC emission rate of 1.0 grams per second was used in each of the model runs. Modeling runs were conducted for five years (2016 through 2020) of meteorological data representative of the Tampa metropolitan area. To convert the AERMOD impacts for short-term and long-term periods to impacts representative of USE's, the identified COCs, the modeled impacts determined with AERMOD were multiplied by the ratios of the predicted emission rates (grams per second) of the COCs to the modeled unit emission rate (1.0 grams per second). To err on the side of conservatism, the specific modeling year output yielding the greatest unit concentration was then used to estimate the COC-specific concentrations. The output files for the modeling run are provided in Attachment B. The generic emissions impacts of the one gram/second emission rate are summarized in Table 2 below:

Table 2 -Generic Modeling Results (1 gram/second)

				AERMOD MODELED CONCENTRATIONS (µg/cubic meter)		
Pollutant	**Emission Rate**	**Unit**	**YEAR**	**1ST Highest 1 HR**	**1ST Highest 8 HR**	**Period Average**
Generic	1	gram/second	2016	73,574.7	19,138.2	1,986.7
Generic	1	gram/second	2017	70,664.9	21,560.2	2,151.6
Generic	1	gram/second	2018	77,177.8	19,390.8	2,223.4
Generic	1	gram/second	2019	71,370.5	23,232.8	1,935.1
Generic	1	gram/second	2020	70,152.3	18,820.9	2,077.7
STUDY PERIOD AVERAGE CONCENTRATION (µg/cubic meter)				**72,588.0**	**20,428.6**	**2,074.9**

The COC-specific short-term and long-term concentrations are calculated by multiplying the maximum modeled concentration in Table 2 by the COC-specific predicted emission rates as presented in Table 3 below:

Table 3- Summary of Predicted COC Ambient Concentrations

			PREDICTED ASSESSMENT VALUES (µg/cubic meter)		
Constituent	**Emission Rate**	**Unit**	**Highest 1 HR (µg/cubic meter)**	**Highest 8 HR (µg/cubic meter)**	**Annual (µg/cubic meter)**
HCL	0.0081	g/sec	**588.0**	**165.5**	**16.8**
HF	9.33E-05		**6.8**	**1.9**	**0.2**
Ammonia	6.022E-04		**43.7**	**12.3**	**1.2**
Nickel	3.84E-08		**2.7874E-03**	**7.8446E-04**	**7.9677E-05**
Formaldehyde	0.0006		**43.4**	**12.2**	**1.240**

Receptor Considerations

A polar receptor grid radiating outward in all directions (36 radials) from the source origin in 100-meter increments extending to 2km was utilized. Additionally, two discrete receptors located at the Hillsborough County Orient Road Jail complex were also defined for particular review.

Lastly, an array of property fence-line receptors was also located in order to predict period concentrations along the facility fence line. The facility fence line receptors are illustrated in Figure 3 provided on the next page.

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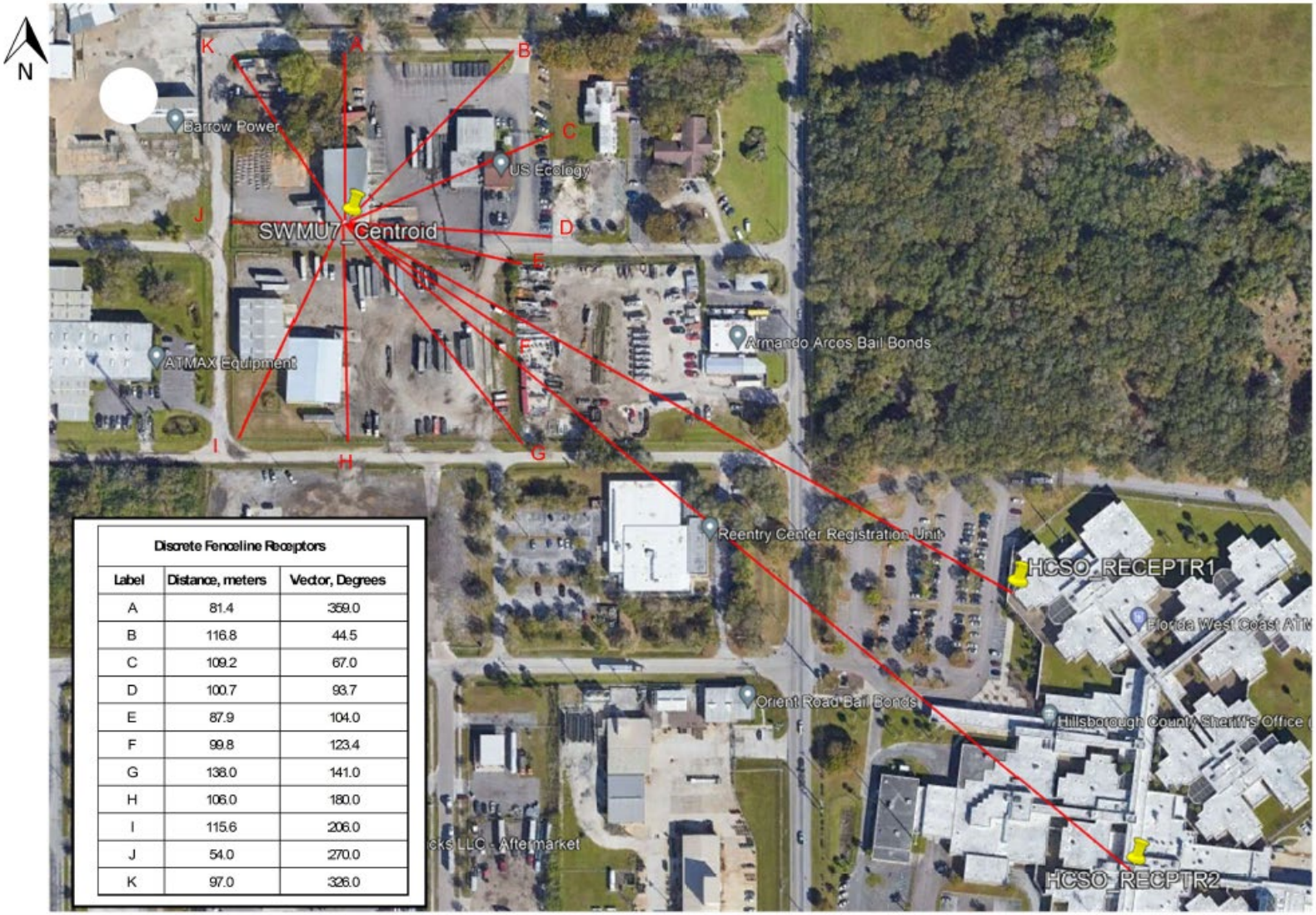

Discrete Fenceline Receptors		
Label	Distance, meters	Vector, Degrees
A	81.4	359.0
B	116.8	44.5
C	109.2	67.0
D	100.7	93.7
E	87.9	104.0
F	99.8	123.4
G	138.0	141.0
H	106.0	180.0
I	115.6	206.0
J	54.0	270.0
K	97.0	326.0

Figure 3
AERMOD Fenceline Receptor Locations
US ECOLOGY- TAMPA, INC.
Tampa, Florida

Additional Western Off-Site Receptors

In order to address potential off-site impacts at locations immediately to the west of the source, three (3) discrete polar receptors were also located at centroid of the following locations:

Distance from Source (m)	Direction from Source (Deg.)	Present Use
133.94	242.10	Commercial
101.99	301.65	Commercial
236.54	274.95	Manufac./Building Materials

Urban vs. Rural Determination

A cursory land use analysis utilizing the Land Use Procedure conducted according to EPA's Appendix W section 7.2.1.1 approximates that the 3-km radius surrounding the US Ecology facility to be comprised of 81.2% urban land use types I1, I2,C1, R2 and R3. (Technical Reference: *A. Auer, Correlation of Land Use and Cover with Meteorological Anomalies, Journal of Applied Meteorology, 1978*).

On this basis, and in conformance with FDEP and EPA guidance, the urban dispersion setting within the AERMOD model was employed. This supporting land use analysis is presented in Figure 4 provided on the next page.

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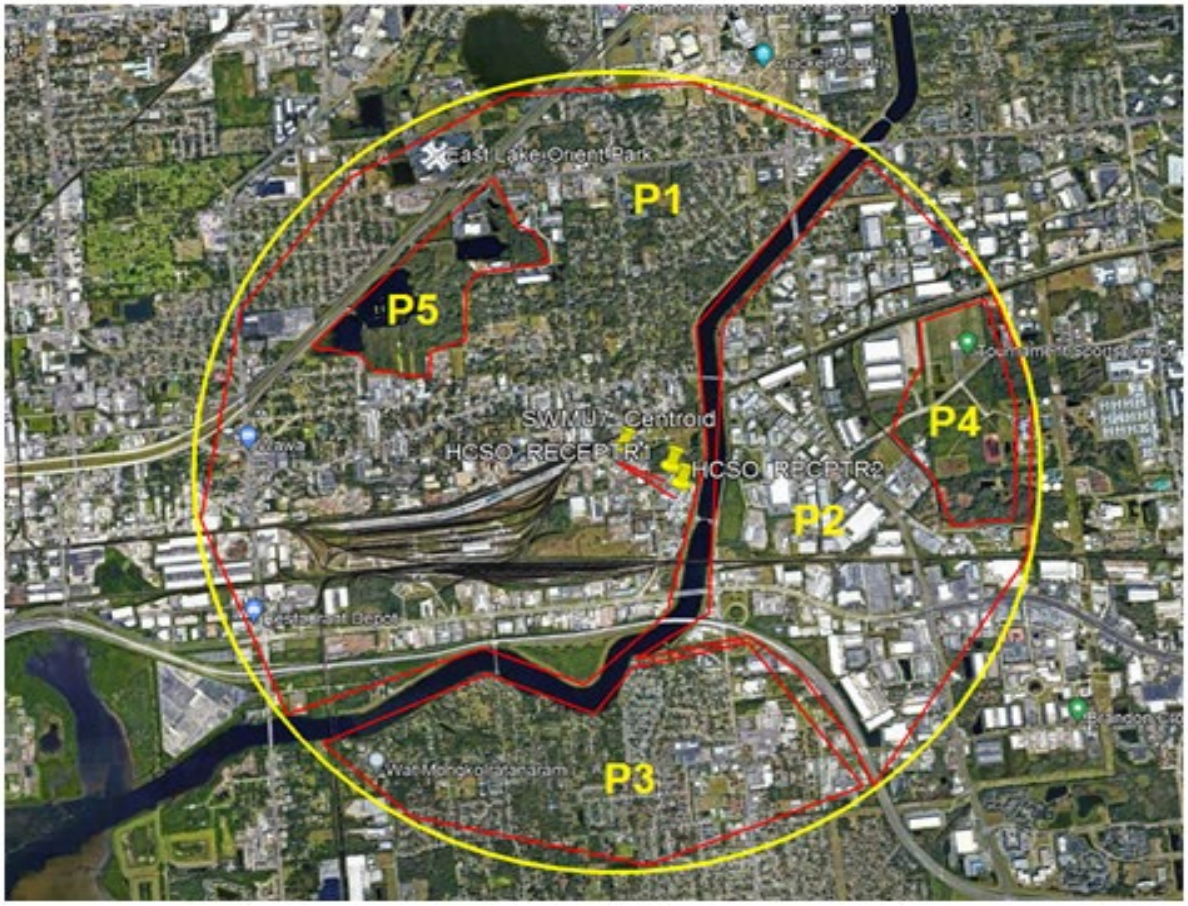
Figure 4- Vicinity Land Use Analysis

US Ecology- Tampa, Inc.

Vicinity Land Use Analysis

Description	Assumed land use	Estimated Area (km2)	Fraction
Total Area of Circle		**28.27**	**100%**
ASSUMED URBAN POLYGONS			
P1	I2, R2	14.2	50.2%
P2	I1,I2,C2	7.2	25.5%
P3	R2, C1 MIX	3.55	12.6%
		24.95	**88.3%**
LESS ASSUMED NON-URBAN / UNDEVELOPED POLYGONS			
P4	A3	1	
P5	A3	0.99	
		1.99	
	NET URBAN AREA/ PERCENTAGE	**22.96**	**81.2%**



DISCUSSION OF MODELING IMPACTS AND INHALATION RISK

The Long-Term and Short-term calculated risk factors and their comparison to regulatory Target values are presented in Table 4 below, followed by a narrative for each studied COC.

Table 4- Summary of Predicted Concentrations and Target Values Comparison

			PREDICTED ASSESSMENT VALUES (µg/cubic meter)			REGULATORY TARGET VALUES (µg/cubic meter)		
Constituent	Emission Rate	Unit	Highest 1 HR (µg/cubic meter)	Highest 8 HR (µg/cubic meter)	Annual (µg/cubic meter)	1 HOUR (µg/cubic meter)	8 HOUR (µg/cubic meter)	ANNUAL (µg/cubic meter)
HCL	0.0081	g/sec	588.0	165.5	16.8	**4900**	**2700**	**20.2**
HF	9.33E-05		6.8	1.9	0.2	**820**	**9800**	**14**
Ammonia	6.022E-04		43.7	12.3	1.2	**4900**	**4900**	**501**
Nickel	3.84E-08		2.7874E-03	7.8446E-04	7.9677E-05	**0.2**	**0.2**	**0.09**
Formaldehyde	0.0006		43.4	12.2	1.240	**1100**	**1100**	**9.8**

Hydrochloric Acid (HCL)

AERMOD modeling for HCL predicted a study period annual concentration of **16.8 µg/m^3**. This value represents 83.1% of the reference value **of 20.2 µg/m^3** cited at EPA (RSL) Resident Ambient Air Table 1, RfCi. Upon closer inspection of the modeling output, this predicted value is modeled at fence line receptor J, located at 54 meters at a vector of 270 degrees from the source.

The next-highest predicted annual period concentration for HCL occurs at Receptor C, located at a distance of 109.2 meters and a vector of 67 degrees from the emissions source. The predicted annual period concentration for HCL at Receptor C is **6.1 µg/m^3**. This value represents 30.2% of the reference value of **20.2 µg/m^3** cited at EPA (RSL) Resident Ambient Air Table 1, RfCi, and therefore unremarkable.

Receptor C predicted impacts are presented in Table 5, below:

Table 5- Predicted Concentrations and Target Values Comparison- Receptor C

				Predicted Fenceline Concentrations (µg/cubic meter)			TARGET VALUES (µg/cubic meter)		
Constituent	Emission Rate	Unit		Predicted 1st Highest 1 HR (µg/cubic meter)	Predicted 1st Highest 8 HR (µg/cubic meter)	Predicted PERIOD AVERAGE (ANNUAL) (µg/cubic meter)	1 HOUR (µg/cubic meter)	8 HOUR (µg/cubic meter)	ANNUAL (µg/cubic meter)
HCL	0.0081	g/ sec		308.4	81.6	**6.1**	4900	2700	**20.2**
HF	9.33E-05			3.6	0.9	0.1	820	9800	14
Ammonia	6.022E-04			22.9	6.1	0.5	4900	4900	501
Nickel	3.84E-08			1.4620E-03	3.8702E-04	2.8715E-05	0.2	0.2	0.09
Formaldehyde	0.000597			22.7	6.0	0.4	1100	1100	9.8

On this basis, modeled long-term off-site impacts from potential HCl exposures appear to be in conformance to applicable reference values.

Maximum 1-hour modeled HCL concentrations of 308.4µg/m^3 **(0.3084 mg/m^3)** were predicted. The maximum 1-hour concentration compares favorably with the NOAEL value of **4.9 mg/m^3** referenced by EPA. On this basis, modeled short-term off-site impacts from potential HCL exposures appear to be in conformance to applicable reference values.

Maximum 8-hour modeled HCL concentrations of 81.6 µg/m^3 **(0.0816 mg/m^3)** were predicted. The maximum 8-hour concentration compares favorably with the AEGL-1 (8-HR) value of **2.7 mg/m^3** referenced by EPA. On this basis, modeled short-term off-site impacts from potential HCL exposures appear to be in conformance to applicable reference values.

Nickel

AERMOD modeling for Nickel predicted maximum study period annual concentrations of **2.8715 x 10^{-5} µg/m^3**. When multiplied by EPAs Inhalation Unit Risk (IUR) reference value of 2.40 x10^{-4}, a predicted cancer risk of **6.89x10^{-9}** is obtained. On this basis, the long-term impacts from potential Nickel exposures appear to be unremarkable.

Maximum 8-hour Nickel concentrations of **3.87 x 10^{-4} µg/m^3** were predicted. This value is 0.19 percent of the reference value of 0.0002 mg/m^3 **(0.2 µg/m^3)** REL reference value for Nickel cited at *EPA Table 2- Acute Dose Response Values.* On this basis, the short-term impacts from potential Nickel exposures appear to be unremarkable.

Maximum 1-hour Nickel concentrations of **1.46 x 10^{-3} µg/m^3** were predicted. This value is 0.7 percent of the reference value of 0.0002 mg/m^3 **(0.2 µg/m^3)** REL reference value for Nickel cited at *EPA Table 2- Acute Dose Response Values.* On this basis, the short-term impacts from potential Nickel exposures appear to be unremarkable.

Ammonia

AERMOD modeling for Ammonia predicted maximum study period annual concentrations **of 0.5 µg/m^3**. This value represents just **0.1 %** of the reference value of **500 µg/m^3** cited at *EPA (RSL) Resident Ambient Air Table 1, RfCi*. On this basis, modeled long-term off-site impacts from potential Ammonia exposures appear to be in conformance to applicable reference values. It should be noted that Ammonia is not referenced in EPAs *Table 1. Table 1. Prioritized Chronic Dose-Response Values.*

Maximum 8-hour modeled concentrations of **6.1µg/m^3 (0.0061mg/m^3)** were predicted. The maximum 1-hour concentration compares favorably with the **NOAEL** value of **4.9 mg/m^3** referenced by EPA. On this basis, modeled 8-hour off-site impacts from potential Ammonia exposures appear to be unremarkable.

Maximum 1-hour modeled concentrations of **22.9 µg/m^3 (0.0229 mg/m^3)** were predicted. The maximum 1-hour concentration compares favorably with the **NOAEL** value of **4.9 mg/m^3** referenced by EPA. On this basis, modeled 1-hour off-site impacts from potential Ammonia exposures appear to be unremarkable.

Lastly, it should be noted that Ammonia is not referenced in EPAs *Table 2- Acute Dose-Response Values for Screening Risk Assessments.*

Formaldehyde

AERMOD modeling for Formaldehyde predicted *an average study period* annual concentration of **0.45 µg/m^3**. When multiplied by EPAs Inhalation Unit Risk (IUR) reference value of 1.30 x 10^{-5} for Formaldehyde, a predicted cancer risk of 5.81 X 10^{-6} is obtained. However, the average and maximum annual period concentration is well below the Target reference value of 0.0098 mg/m^3 **(9.8 µg/m^3)**, as cited in *Table 1, Prioritized Chronic Dose-Response Values for Screening Risk Assessments.*

Maximum 1-hour Formaldehyde concentrations of **22.7 µg/m^3** were predicted. This value is 41.4 percent of the REL reference value of 0.055 mg/m^3 **(55 µg/m^3**) for Formaldehyde cited at *EPA Table 2- Acute Dose Response Values.* On this basis, the short-term impacts from potential Formaldehyde exposures appear to be unremarkable.

Maximum 8-hour Formaldehyde concentrations of **6.0 µg/m^3** were predicted. This value is compares favorably to the AEGL-1 (8-h) reference value of 0.82 mg/m^3 **(820 µg/m^3)** cited in *Table 2. Acute Dose-Response Values for Screening Risk assessments.* On this basis, the short-term impacts from potential Formaldehyde exposures appear to be unremarkable.

Hydrofluoric Acid (HF)

AERMOD modeling for HF predicted maximum study period annual concentrations of **0.07 µg/m^3**. This value represents 0.5% of the reference value of 0.014 mg/m^3 (**14 µg/m^3**) cited at EPA's *Table 1. Prioritized Chronic Dose-Response Values for Screening Risk Assessments.* On this basis, the predicted long-term off-site impacts from potential HF exposures appear to be in conformance to applicable reference values. It should also be noted that EPA has *not* classified HF for carcinogenicity.

Maximum 1-hour modeled HF concentrations of 3.6 µg/m^3 (**0.0036 mg/m^3**) were predicted for the study period. This maximum predicted 1-hour concentration compares favorably to the REL reference value of **0.24 mg/m^3** (240 µg/m^3) as cited in *Table 2. Acute Dose-Response Values for Screening Risk assessments, and AEGL-1 reference value* of **0.82 mg/m^3**, from the same table. The AEGL-1 value is the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic non-sensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure.

The maximum 8-hour modeled HF concentrations of 0.9 µg/m^3 (**0.0009 mg/m^3**) were predicted for the study period. This maximum predicted 8-hour concentration compares *favorably with the* REL reference value of **0.24 mg/m^3** (240 µg/m^3) as well as the **0.82 mg/m^3** AEGL-1 (8-h) reference value as cited in *Table 2. Acute Dose-Response Values for Screening Risk assessments.* On this basis, modeled short-term off-site impacts from potential HF exposures appear to be unremarkable.

DISCRETE WESTERN POLAR RECEPTORS MODELING RESULTS

As presented in Table 6 on the next page, the maximum predicted 1-hour, 8-hour, and Period concentrations for the modeled constituents among the three discrete western receptors were all well below Target Reference values and were all well below the respective 1-hour, 8-hour, and Annual Target values.

Table 6- Western Receptor Results (Maximum of the three receptors)

			Predicted Fenceline Concentrations (µg/cubic meter)			TARGET VALUES (µg/cubic meter)			
Constituent	Emission Rate	Unit	Predicted 1st Highest 1 HR (µg/cubic meter)	Predicted 1st Highest 8 HR (µg/cubic meter)	Predicted PERIOD AVERAGE (ANNUAL) (µg/cubic meter)	Constituent (COC)	1 HOUR (µg/cubic meter)	8 HOUR (µg/cubic meter)	ANNUAL (µg/cubic meter)
HCL	0.0081	g/ sec	316.4	103.3	**7.2**	Hydrochloric acid	4900	2700	**20.2**
HF	9.33E-05		3.6	1.2	0.1	Hydrofluoric acid	820	9800	14
Ammonia	6.022E-04		23.5	7.7	0.5	Ammonia	4900	4900	501
Nickel	3.84E-08		0.0015	0.00049	0.00003	Nickel	0.2	0.2	0.09
Formaldehyde	0.000597		23.3	7.6	0.5	Formaldehyde	1100	1100	9.8

The highest Annual Period off-site impact is observed at the offsite receptor located at 133.94 meters and 242.1 degrees; however, the predicted concentration is well below the Annual Target value. The highest 1-hour and 8-hour off-site predicted impacts are observed at the receptor located at 101.99 meters and 301.65 degrees; however, the predicted 1-hour and 8-hour concentrations are well below the respective Target Values. On this basis, the AERMOD modeling predicts unremarkable COC constituent concentration impacts at these three western receptors.

CONCLUSION

USE operates a hazardous waste treatment tank as part of SWMU-7 at the Tampa facility. Characteristic and listed hazardous wastes are treated in a manner such that the resulting processed mixture no longer exhibits the characteristics of hazardous waste and meets Land Disposal Restrictions requirements. A comprehensive review of the legacy treatment/stabilization activities conducted at the site resulted in the identification of five (5) potential constituents demonstrating the potential to generate off-site airborne impacts.

For each of these constituents, emissions factors were developed for subsequent use with the AERMOD dispersion model. The AERMOD model was then used to predict short-term and long-term impacts of the resulting COCs at off-site receptors surrounding and extending outward two (2) kilometers from the USE property boundary. The resulting modeling impacts were then directly compared with applicable target reference levels from various regulatory lists, as applicable, for both short-term and long-term exposure modes.

The COCs for this inhalation risk assessment included chemicals for which Target Levels, as defined in the EPA's *Dose-Response Assessment for Assessing Health Risks Associated with Exposure to Hazardous Air Pollutants*, are provided. None of the off-site receptors modeled in this assessment demonstrate predicted COC concentrations in excess of applicable Target levels for each of the relevant time periods.

The modeling and risk analysis results demonstrate that the project complies with the applicable Reference Target Levels for the studied COCs. Consequently, no additional modeling or mitigation measures are recommended at the USE Tampa facility.

ATTACHMENT A

Chemicals of Concern Emissions Estimates

US Ecology Tampa, Inc.
HCL Emissions Estimation

1) Det. Molecular diffusivity of HCl;
2) Det. Schmidt Number for HCl;
3) Determine Mass transfer rate for HCl;
4) Estimate HCL emissions rate using mass transfer rate (Kawamura/Mackay Equation, 1985)

STEP		Comment
1) Estimate Molecular Diffusivity of HCL, Dm		
Dm= DH20 X Sqrt[(MWH2O/ MWhcl)]*m2s-1		
Dm	**1.69E-05**	M^2S^{-1}
DH20	2.40E-05	M^2S^{-1}
MWH20	18	$KG\text{-}KMOLE^{-1}$
MWHCL	36.5	$KG\text{-}KMOLE^{-1}$
Sqrt[(MWH2O/ MWhcl)]*m2s-1	0.70224688	
2) Est. Schmidt Number for HCl		
Sc = v/Dm	**8.90E-01**	Sc
Sc= laminar schmidt number for HCL		
v= kinematic viscosity of the air, m^2s^{-1}	1.50E-05	m^2s^{-1}
assume 1.5 e-5 m^2s^{-1}		
3) Estimate Mass Transfer Rate		
Mackay and Matsugo, 1973		
K_M= 0.0048 x $U^{7/9}$ x $Z^{-1/9}$ x Sc $^{-2/3}$ meters-$second^{-1}$		
where:		
KM = mass transfer coefficient		
U = assumed wind speed 5 meters/second		
Z= pool diameter of source, in meters		
KM= 0.0048 x $U^{7/9}$ x $Z^{-1/9}$ x Sc $^{-2/3}$ (MS-1):	**0.00717877**	meters/second
WHERE:		
$U^{(7/9)}$	**1.714**	Assumed wind speed, in meters/second
$Z^{-1/9}$	**0.807**	diameter of pool, in meters, assume 1
SC $^{(-2/3)}$	**1.081**	Laminar Schmidt No. for HCL
4) Calculate Evaporation rate		
E= A x Km x [(Mw x Pv)/(R x T)]		kgs/second
where:		
E= evaporation Rate		
A= Area of evaporation surface (square meters)	**37.1600**	surface Area, square meters
Km= Mass Transfer Coefficient	0.00717877	meters/second
MW- Molecular Weight of acid	36.5	grams/gram-mole
Pv - Vapor Pressure, mmHg	84	Assume 20% HCL: (A) at 20 C, per MSDS. (B) Perry's CEH, 7th ed., Table 2-10, for even higher temps 230 deg F
Pv - Vapor Pressure, Pascals	**11,200**	Pa
mw*pv	**408,800**	
R= The Gas Constant, J/ kmol K	8314	J/ kmol-K
T= ambient Temperature, Kelvin	293.2	K
R*T	**2,437,665**	
Mw x Pv/RT	**0.16770**	
E=	**0.0447366**	kilograms/ Second
Est HCL Emissions Rate at 20 Degrees C , 20x20 Tank from mass transfer calculation	44.7366	Grams-$second^{-1}$
Surface Area of release	37.1609	$meter^2$
Theoretical Emissions Rate for AERMOD	**1.2039**	Grams/Second-$meter^2$

Theoretical Emission Rate, Annual	37,964,982	g/m2-yr
Theoretical Emission Rate, Annual	3,113,589	#/year
Actual MAX input of WASTE containing that Chemical	104,739	#/year
Chemical fraction in actual Input, % wt	20%	From USE Analysis/profiles
Actual MAXIMUM Chemical Input	20,948	#/year
Actual as % of Theoretical Emission Rate=	20,947.80	#/year
	3,113,589	#/year
	0.6728%	6.7279E-03
Theoretical Emission Rate DIVISOR to correct for Actual Max. Qty / year.	**148.6**	Divisor to derive predicted emissions Rate from Theoretical Rate

Predicted Emissions rate for AERMOD Source Term (*Aremis*)	**0.00810**	**Grams/Second-$meter^2$**

US Ecology Tampa, Inc.
HF Emissions Estimation

1) Det. Molecular diffusivity of HF;
2) Det. Schmidt Number for HF;
3) Determine Mass transfer rate for HF;
4) Estimate HF emissions rate using mass transfer rate (Kawamura/Mackay Equation, 1985)

STEP		Comment
1) Estimate Molecular Diffusivity of HF, Dm		
Dm= DH20 X Sqrt[(MWH2O/ MWhcl)]*m2s-1		
Dm	**2.28E-05**	M^2S^{-1}
DH20	2.40E-05	M^2S^{-1}
MWH20	18	KG $KMOLE^{-1}$
MWHF	**20.01**	KG $KMOLE^{-1}$
Sqrt[(MWH2O/ MWHF)]*m2s-1	0.948446216	
2) Est. Schmidt Number for HF		
Sc = v/Dm	**6.59E-01**	**Sc**
Sc= laminar schmidt number for HCL		
v= kinematic viscosity of the air, m^2s^{-1}	1.50E-05	m^2s^{-1}
assume 1.5 e-5 m^2s^{-1}		
3) Estimate Mass Transfer Rate		
Mackay and Matsugo, 1973		
K_M= 0.0048 x $U^{7/9}$ x $Z^{-1/9}$ x $Sc^{-2/3}$ meters-$second^{-1}$		
where:		
Km = mass transfer coefficient		
U = assumed wind speed at 2 meters/second		
Z= pool diameter of source, in meters, assume 1 meter		See Surface Area Calcs below.
Km= 0.0048 x $U^{7/9}$ x $Z^{-1/9}$ x $Sc^{-2/3}$	**0.007178774**	meters/second
WHERE:		
$U^{(7/9)}$	**1.714**	Assumed wind speed, in meters/second
$Z^{-1/9}$	**0.807**	Equivalent diameter of evap. Source, meters
$Sc^{(-2/3)}$	**1.081**	laminar Schmidt No. for HF
4) Relevant Surface Area Calcs.		
TYPICAL 55 GALLON DRUM DIMENSIONS:		
22.5	Diameter, inches	
0.28575	radius, meters	
0.572	Diameter, meters	
radius, meters	Surface area, square meters	
0.28575	**0.2564**	
20' x 20' Treatment Tank		
400	Area, square Feet	
37.16	Surface area, square meters	
11.82940941	R^2 = Surface area/(pi=3.1414)	
3.439390849	R = square root of R^2	
6.88	**Equivalent Diameter, meters**	
5) Calculate Theoretical (evaporation based) Evaporation Rate		
E= A x Km x [(Mw x Pv)/(R x T)]		**kg/second**
where:		
E= evaporation Rate		kg/s
A= Area of evaporation surface (square meters)	37.1609	m^2
Km= Mass Transfer Coefficient	0.007178774	m / s
MW- Molecular Weight of acid	20.01	g/mole or kg/kmol
Pv - Vapor Pressure, mmHg	350	30% HF acid, 280 degC (138 degF), per chart
Pv - Vapor Pressure, Pascals	46,667	Pa
Mw*Pv	933,800	
	8.3144	J / mole- degK
R= Gas Constant, J kmole-1 K-1	8314	J kilomole-1 K-1
T= ambient Temperature, F, annual average, Tampa	74	degF
T= ambient Temperature, Kelvin	296.48	K
R*T	2,464,962	
Mw x Pv/RT	0.37883	
E=	0.1010602	kilograms/ Second
Est HF Emissions Rate at 20 Degrees C , from mass transfer calculation	101.0602	Grams-$second^{-1}$
Surface Area of release vessel (Open top drum)	37.1609	$meter^2$
Theoretical (evaporation based) **Emissions rate for AERMOD SO term (*Aremis*)**	**2.7195**	**Grams/Second-$meter^2$**
Theoretical Emission Rate, Annual	85,763,099	g/m2-yr
Theoretical Emission Rate, Annual	7,033,785	#/year
Actual MAX input of WASTE containing that Chemical	1207	#/year
Chemical fraction in actual Input, % wt	20%	
Actual MAXIMUM Chemical Input	241.4	#/year
Actual as % of Theoretical Emission Rate=	241.4 #/year	
	7,033,785 #/year	
	0.0034%	3.4320E-05
Theoretical Emission Rate DIVISOR to correct for Actual Max. Qty / year.	**29,137**	on the Theoretical Emission Rate, or on Operating Hours, or on allowable emissions exceedance factors from original model run.
CORRECTED Emissions rate for AERMOD SO term (*Aremis*)	9.3334E-05	Grams/Second-$meter^2$
	2.207	#/kg
	109.38	kg/year
Actual MAX Chemical Input	109,379	g/yr
Area of Treatment Tank surface	37.00	m^2
MAX Emission Rate, Annual	2,956.20	g/m2-yr
Predicted Emissions rate for AERMOD Source Term (*Aremis*)	**9.374E-05**	**Grams/Second-$meter^2$**

US Ecology Tampa, Inc.

Ammonia Emissions Estimation

The evaporation rate over a given area A of a spill can be predicted theoretically by the following expression (Kawamura and Mackay, 1987; Van den Bosch, 2005): $E=k \cdot A \cdot M \cdot PTsol / (Rtsol)$

E	Evaporation Rate, Grams/second
k	mass transfer coefficient
A	Surface area of release, square meters
M	Molecular Weight of Ammonia, grams/gram-mole
Ptsol	vapor pressure of the chemical at the temperature of the liquid surface.
R	ideal gas constant (m3 Pa mol-1 K- 1)
T	Temperature, Kelvin

k	1.93E-02	meters/second (assumed), refine reference for Ammonia at 293 k
A	37.16	square meters
M	17.03	Gram/gram-mole
Ptsol	14123	Pascals
R	8314	ideal gas constant (m3 Pa mol-1 K- 1)
T	293.2	Assumed temp, Kelvin
E=	20.75	grams/Second Theoretical Emissions Rate
E=	**0.558**	**Grams/second/square meter Theoretical Emissions Rate**
	20.75	Grams/Second Theoretical
	654,291,394.27	Grams/Year Theoretical
	1,442,473.15	Pounds/Year Theoretical
	1555.83	Pounds/Year Typical Ammonia Processed
	0.108%	Actual vs. Theoretical Emission Rate, percent
	0.001079	Multiplier to account for Actual Max. Qty / year.
	927.1	Divisor to account for Actual Qty/year
	0.000602	**Predicted Ammonia Emissions Rate, Grams/Second-meter^2**

US Ecology Tampa, Inc.
Nickel Emissions Estimation

1	E	5.36E-04	Emission factor, Pounds/Ton Nickel Processed	missions factor for Nickel Pounds nickel/Pound processed
2	**U**	10	mean wind speed	
3	**M**	11	moisture content	
4	**k**	**0.74**	Aerodyn. particle size multiplie	mid range assumed for PM10 class
5	factor	0.001184	k times 0.0016	
6	numerator	2	numerator of equation	
7	denominator	5.5	denominator of equation	
8	Numerator Final	2.462	final numerator of equation	
9	Denominator Final	10.877	final Denominator of equation	

13.2.4 Aggregate Handling And Storage Piles, AP-42, USEPA

$$E = k(0.0032)\ \frac{\left(\frac{U}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}}\ \text{(pound [lb]/ton)}$$

where:

E = emission factor
k = particle size multiplier (dimensionless)
U = mean wind speed, meters per second (m/s) (miles per hour [mph])
M = material moisture content (%)

Assumptions:

	Parameter	Value	Reference
10	Moisture Content	**11%**	Table 13.2.4-1. TYPICAL SILT AND MOISTURE CONTENTS OF MATERIALS AT VARIOUS
11	Particle Size multiplier	**0.35**	Assumed Particulate is pm-10 class or smaller, USEPA AP-42

Nickel Emissions Calculations

	Nickel Handling		Units	Comments
12	Total Nickel Processing	**9,971**	Pounds/Year	
13	Total Nickel Processing	**4.99**	Tons/Year	
14	Assumed Operational schedule	**8760**	Max Total Hours/Year	
15	Assumed Handling Rate	**5.69E-04**	Tons Nickel Processed / hour	
16	Emissions Factor (from above)	**5.36E-04**	Pounds Ni emitted /Ton Nickel Processed	
17	**Theoretical Ni Emissions**	3.05E-07	Ni emissions, Pounds/hour	Row 15 * Row 16
18	**Predicted Emissions rate for AERMOD Source Term**	**3.84E-08**	**Ni emissions, Grams/Second**	

US Ecology Tampa, Inc.

Formaldehyde Emissions Estimation

The potential evporation rate of Formaldehyde was estimated using the following equation:

$$E_{n-1} = \frac{M_i K_i A P_i^{sat}}{R T_L}$$

Where E_n is the evaporation rate (mass/time).
M_i is the molecular weight of the volatile substance,
K_i is a mass transfer coefficient (length/time),
A is the evaporation surface area,
P_i^{sat} is the saturated solvent vapor pressure,
P_i is the actual vapor pressure near the liquid surface,
R is the ideal gas constant, and
T_L is the absolute temperature of the liquid.

The ratio of the mass transfer coefficients between the compound of interest K and reference compound Ko is expressed as follows:

$$\frac{K_i}{K_o} = \left(\frac{D_i}{D_o}\right)^{2/3} \qquad \textit{equation 1}$$

The gas-phase diffusion coefficient D for a compound is estimated from the ratio of molecular weight of the compound of interest and a known compound (normally water) as follows:

$$\frac{D_i}{D_o} = \left(\frac{M_o}{M_i}\right)^{1/2} \qquad \textit{equation 2}$$

Combining Eq. 1 and Eq. -2 results in a relationship that can be used to estimate the mass transfer coefficient of a given volatile compound.

$$K_i = K_o \left(\frac{M_o}{M_i}\right)^{1/3} \qquad \textit{equation 3}$$

$Ki = K_o * (M_o/M_i)^{0.33}$

Water is commonly used as a base reference for estimating the mass transfer coefficient for many compounds of interest. The mass transfer coefficient of water at 77 F and 760 mm Hg. is 0.83 cm/s.

Ki =0.83 X(18.02/15.994)^0.33

Ki =0.83 X(18.02/15.994)^0.33

K_i =	**0.8633**	**cm/second**	*mass Transfer Coefficient for Formaldehyde, cm/second*
	0.86	**cm/second**	
	0.01	**meters/second**	
	0.03	**Feet/Second**	
K_i = **K_i =**	**100.91**	**Ft/ Hour**	*conversion from cm/second to feet per hr.*

P, Formaldehyde	130	Pascals	
		Assume 30% Formaldehyde at 20Deg. C;	
		note 1mm HG = 133.3 Pascal	
	0.975243811	**mmHG**	

$$E_{n-1} = \frac{M_i K_i A P_i^{sat}}{R T_L}$$

M=	*15.99*	*Molecular weight of Formaldehyde*
A=	*400*	*Area of source, Square feet*
P_i =	*0.975244*	*Vapor pressure of formaldehyde, reference*
R=	*998.9*	*ideal gas constan ft atm/lb mol*K*
T_L =	*302*	*Absolute Temperature of Formaldehyde*

E	**2.1**	**Pounds/hr**
	0.3	**Grams/ Second**
	37.16	Square meters surface area
E	**0.0071**	**Grams/Second/meter^2** **Formaldehyde theoretical emissions rate**
	0.3	**Grams/ Second Theoretical Emissions Rate Formaldehyde**
	########	Pounds/Year Theoretical Emissions Rate
	1543.5	Pound/Year Typical processing rate
	8%	Actual vs. Theoretical Emission Rate, (%)
	0.08	Multiplier to acount for Actual versus theoretical
	11.842	Divisor to acount for Actual versus theoretical

E	**0.00060**	**Predicted Emiss. Rate- Formaldehyde for AERMOD, grams/Sec-m^2**

ATTACHMENT B

AERMOD Modeling Output Files

Study Years 2016 through 2020

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**USEgeneric12016withAERMAPProcessedElevs

CO STARTING
CO TITLEONE USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016
CO MODELOPT DFAULT CONC ELEV
**CO MODELOPT CONC ELEVATED
CO AVERTIME 1 8 PERIOD
CO POLLUTID HCL
CO RUNORNOT RUN
**CO URBANOPT UrbPop (UrbName) (UrbRoughness)
CO URBANOPT 397809
CO FINISHED

SO STARTING
SO LOCATION TANK  AREA  0.0 0.0 0.0
SO URBANSRC ALL
**SO EMISFACT SrcID or SrcRange Qflag Qfact(i), i=1,n  HOUR-OF-Day Specific factor
** HOURLY SPECIFIC EMISSIONS ADJUSTMENT: 1-5 0  6-21 1.0  22 -24 0
SO EMISFACT TANK HROFDY 5*0.0 16*1.0 3*0.0
SO SRCPARAM TANK 1.0 6.096 6.096
SO SRCGROUP ALL
SO FINISHED

RE STARTING

** AERMAP - VERSION 18081                                    12/09/22
**                                                  14:52:07
**  Using USGS_ned_1_N28W083_GRIDFLOAT.TIF
**  With NAD27 Anchor Point
** A total of       1  NED files were used
** A total of     736  receptors were processed
** DOMAINXY  361366.0 3090645.0 17 369209.0 3097023.0 17
** ANCHORXY  0.0      0.0     364725.57  3093695.53  17  0
** Terrain heights were extracted by default

RE ELEVUNIT METERS
  GRIDPOLR POL1 STA
        POL1 ORIG   0.0   0.0
        POL1 DIST   100.   200. 300. 400. 500. 600. 700. 800. 900. 1000. 1100. 1200. 1300. 1400. 1500. 1600. 1700. 1800.
1900. 2000.
        POL1 GDIR   36     10.    10.
  GRIDPOLR POL1     ELEV    1      8.3      9.2      9.0      8.7      8.8      8.1
  GRIDPOLR POL1     ELEV    1      6.9      6.5      8.2      9.2      9.4      9.8
  GRIDPOLR POL1     ELEV    1      9.4      9.8     10.0     10.1      9.8      9.6
  GRIDPOLR POL1     ELEV    1      8.5      7.3
  GRIDPOLR POL1     ELEV    2      8.2      8.7      8.6      8.6      8.4      8.4
  GRIDPOLR POL1     ELEV    2      7.3      6.5      7.1      8.2      9.4      9.6
  GRIDPOLR POL1     ELEV    2      9.1      8.9      8.6      7.9      6.4      6.4
  GRIDPOLR POL1     ELEV    2      6.9      7.3
  GRIDPOLR POL1     ELEV    3      7.8      8.4      8.5      8.5      8.8      8.1
  GRIDPOLR POL1     ELEV    3      7.6      7.3      6.3      6.5      6.3      6.0
  GRIDPOLR POL1     ELEV    3      6.7      6.9      6.1      5.7      5.7      5.5
  GRIDPOLR POL1     ELEV    3      5.1      5.1
  GRIDPOLR POL1     ELEV    4      7.4      7.8      8.1      8.3      8.4      8.6
  GRIDPOLR POL1     ELEV    4      6.4      5.8      5.1      5.4      2.0      2.0
  GRIDPOLR POL1     ELEV    4      2.0      2.0      2.0      2.0      2.0      2.0
  GRIDPOLR POL1     ELEV    4      2.0      2.0
  GRIDPOLR POL1     ELEV    5      7.2      7.6      7.4      6.8      7.8      7.6
  GRIDPOLR POL1     ELEV    5      4.6      3.4      2.0      2.0      5.6      6.2
  GRIDPOLR POL1     ELEV    5      6.3      7.4      8.0      7.1      7.7      7.1
  GRIDPOLR POL1     ELEV    5      6.7      7.3
  GRIDPOLR POL1     ELEV    6      7.2      7.4      6.8      6.0      6.8      4.7
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GRIDPOLR	POL1	ELEV	6	3.8	2.0	2.0	6.2	7.0	5.7
GRIDPOLR	POL1	ELEV	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR	POL1	ELEV	6	7.4	7.9				
GRIDPOLR	POL1	ELEV	7	7.1	7.0	6.4	5.9	7.1	10.0
GRIDPOLR	POL1	ELEV	7	2.6	2.0	10.0	7.7	7.8	7.4
GRIDPOLR	POL1	ELEV	7	7.1	7.0	6.9	9.0	7.1	7.3
GRIDPOLR	POL1	ELEV	7	7.0	8.1				
GRIDPOLR	POL1	ELEV	8	6.8	6.9	5.8	5.4	5.1	3.2
GRIDPOLR	POL1	ELEV	8	2.0	2.0	7.3	8.4	10.1	10.1
GRIDPOLR	POL1	ELEV	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR	POL1	ELEV	8	7.6	8.2				
GRIDPOLR	POL1	ELEV	9	6.6	6.4	5.8	4.8	4.6	4.2
GRIDPOLR	POL1	ELEV	9	2.0	4.8	5.6	6.7	7.7	7.6
GRIDPOLR	POL1	ELEV	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR	POL1	ELEV	9	6.7	7.0				
GRIDPOLR	POL1	ELEV	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR	POL1	ELEV	10	2.0	5.1	4.9	5.6	5.3	5.3
GRIDPOLR	POL1	ELEV	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR	POL1	ELEV	10	7.3	7.9				
GRIDPOLR	POL1	ELEV	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR	POL1	ELEV	11	2.0	6.3	8.7	8.1	5.1	5.4
GRIDPOLR	POL1	ELEV	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR	POL1	ELEV	11	7.0	6.8				
GRIDPOLR	POL1	ELEV	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR	POL1	ELEV	12	2.0	4.5	10.1	8.2	9.3	4.8
GRIDPOLR	POL1	ELEV	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR	POL1	ELEV	12	7.3	7.3				
GRIDPOLR	POL1	ELEV	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR	POL1	ELEV	13	2.0	3.1	7.7	8.0	7.5	5.7
GRIDPOLR	POL1	ELEV	13	4.4	3.8	3.7	4.2	5.1	5.7
GRIDPOLR	POL1	ELEV	13	7.0	6.2				
GRIDPOLR	POL1	ELEV	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR	POL1	ELEV	14	1.2	0.0	0.0	3.3	3.3	3.4
GRIDPOLR	POL1	ELEV	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR	POL1	ELEV	14	5.8	5.4				
GRIDPOLR	POL1	ELEV	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR	POL1	ELEV	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR	POL1	ELEV	15	3.0	3.0	5.6	7.2	4.1	4.6
GRIDPOLR	POL1	ELEV	15	4.9	5.6				
GRIDPOLR	POL1	ELEV	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR	POL1	ELEV	16	5.3	3.8	1.5	2.3	0.0	0.0
GRIDPOLR	POL1	ELEV	16	3.7	5.3	3.8	1.6	3.3	3.6
GRIDPOLR	POL1	ELEV	16	4.4	4.1				
GRIDPOLR	POL1	ELEV	17	6.1	5.0	4.7	3.5	5.0	5.0
GRIDPOLR	POL1	ELEV	17	4.8	4.5	9.4	2.4	3.6	0.0
GRIDPOLR	POL1	ELEV	17	0.0	1.7	3.2	2.3	2.8	3.3
GRIDPOLR	POL1	ELEV	17	3.6	4.1				
GRIDPOLR	POL1	ELEV	18	6.1	5.1	4.7	4.9	4.9	5.1
GRIDPOLR	POL1	ELEV	18	5.0	4.5	4.5	3.3	4.4	2.6
GRIDPOLR	POL1	ELEV	18	0.0	0.0	2.7	3.2	2.7	3.0
GRIDPOLR	POL1	ELEV	18	3.1	3.7				
GRIDPOLR	POL1	ELEV	19	6.3	5.0	4.7	4.8	5.2	5.5
GRIDPOLR	POL1	ELEV	19	5.3	4.8	4.9	4.4	4.7	4.9
GRIDPOLR	POL1	ELEV	19	3.2	4.1	0.2	0.0	0.0	0.0
GRIDPOLR	POL1	ELEV	19	3.4	3.7				
GRIDPOLR	POL1	ELEV	20	6.4	5.0	4.8	4.2	5.0	5.2
GRIDPOLR	POL1	ELEV	20	5.6	5.0	4.4	3.8	3.8	3.4
GRIDPOLR	POL1	ELEV	20	4.1	5.4	12.4	7.3	0.0	0.0
GRIDPOLR	POL1	ELEV	20	2.8	3.0				
GRIDPOLR	POL1	ELEV	21	6.4	4.8	5.3	5.2	4.6	4.9
GRIDPOLR	POL1	ELEV	21	7.3	4.7	4.6	3.2	3.1	2.7
GRIDPOLR	POL1	ELEV	21	2.9	2.6	6.3	0.0	0.0	0.1

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GRIDPOLR POL1    ELEV  21     2.7     3.1
GRIDPOLR POL1    ELEV  22     6.4     5.1     5.6     5.9     5.6     4.9
GRIDPOLR POL1    ELEV  22    16.0    11.8     5.0     4.5     3.4     2.6
GRIDPOLR POL1    ELEV  22     2.3     3.0     3.1     7.9     0.0     0.0
GRIDPOLR POL1    ELEV  22     0.0     1.7
GRIDPOLR POL1    ELEV  23     6.8     6.2     5.8     6.1     5.8     6.6
GRIDPOLR POL1    ELEV  23     5.4     4.9     4.6     4.6     4.7     4.4
GRIDPOLR POL1    ELEV  23     3.0     3.2     2.0     2.4     2.9     2.6
GRIDPOLR POL1    ELEV  23     1.6     2.2
GRIDPOLR POL1    ELEV  24     7.1     6.4     6.4     6.3     6.5     7.4
GRIDPOLR POL1    ELEV  24     6.2     5.9     5.6     5.3     5.2     4.6
GRIDPOLR POL1    ELEV  24     5.1     4.8     3.3     3.3     2.9     1.4
GRIDPOLR POL1    ELEV  24     0.8     2.0
GRIDPOLR POL1    ELEV  25     7.3     7.3     7.1     6.9     8.1     7.5
GRIDPOLR POL1    ELEV  25     7.8     7.7     7.9     6.5     6.2     5.6
GRIDPOLR POL1    ELEV  25     5.5     5.3     4.8     4.7     4.1     4.5
GRIDPOLR POL1    ELEV  25     3.0     1.9
GRIDPOLR POL1    ELEV  26     7.5     7.9     7.7     8.4     8.2     8.4
GRIDPOLR POL1    ELEV  26     8.4     8.3     8.6     8.3     8.1     7.9
GRIDPOLR POL1    ELEV  26     7.6     7.1     6.7     6.6     5.6     4.9
GRIDPOLR POL1    ELEV  26     4.0     4.5
GRIDPOLR POL1    ELEV  27     7.8     8.3     8.4     8.5     8.2     9.1
GRIDPOLR POL1    ELEV  27     8.4     8.6     7.9     6.7     6.9     6.6
GRIDPOLR POL1    ELEV  27     6.8     7.0     7.0     7.1     6.6     6.0
GRIDPOLR POL1    ELEV  27     6.2     6.4
GRIDPOLR POL1    ELEV  28     8.2     8.8     9.3     8.2     8.5     8.3
GRIDPOLR POL1    ELEV  28     8.3     7.7     6.9     6.9     6.0     7.3
GRIDPOLR POL1    ELEV  28     8.6     9.5    11.1    10.0     8.8     8.6
GRIDPOLR POL1    ELEV  28     8.9     9.6
GRIDPOLR POL1    ELEV  29     8.3     9.1     9.0     8.4     8.7     8.0
GRIDPOLR POL1    ELEV  29     7.8     7.5     7.3     7.3     8.5     8.6
GRIDPOLR POL1    ELEV  29     9.5     9.6     9.7    10.1    10.3    10.5
GRIDPOLR POL1    ELEV  29    11.3    11.1
GRIDPOLR POL1    ELEV  30     8.6     8.6     8.9     8.5     8.3     8.1
GRIDPOLR POL1    ELEV  30     7.6     7.4     7.8     8.4     9.7     8.8
GRIDPOLR POL1    ELEV  30     8.6     8.7    10.3     9.0     8.8     8.6
GRIDPOLR POL1    ELEV  30     8.7    10.1
GRIDPOLR POL1    ELEV  31     8.9     9.4     8.7     8.7     8.1     7.7
GRIDPOLR POL1    ELEV  31     8.0     8.2     8.8     8.0     8.3     9.1
GRIDPOLR POL1    ELEV  31    10.7    11.3     8.2     9.6     9.1     9.3
GRIDPOLR POL1    ELEV  31     7.9     7.9
GRIDPOLR POL1    ELEV  32     8.5     8.9     9.0     8.7     8.0     8.1
GRIDPOLR POL1    ELEV  32     8.5     9.2     9.7     8.6     8.4    10.4
GRIDPOLR POL1    ELEV  32    11.0    11.5    11.9    10.2     9.3    11.6
GRIDPOLR POL1    ELEV  32     8.9     8.7
GRIDPOLR POL1    ELEV  33     8.5     8.6     9.0     8.8     8.4     8.2
GRIDPOLR POL1    ELEV  33     8.2     9.9    10.9    11.0    12.7    11.4
GRIDPOLR POL1    ELEV  33    10.9    11.7    11.7    11.5    11.9     9.8
GRIDPOLR POL1    ELEV  33     8.0     9.0
GRIDPOLR POL1    ELEV  34     8.5     8.8     8.7     8.8     7.6     7.8
GRIDPOLR POL1    ELEV  34     7.4     9.4    10.8    10.8    11.3    10.7
GRIDPOLR POL1    ELEV  34    10.4    10.9    12.3    10.6    10.9     8.0
GRIDPOLR POL1    ELEV  34     8.0     8.6
GRIDPOLR POL1    ELEV  35     8.6     9.0     9.0     8.7     7.9     7.5
GRIDPOLR POL1    ELEV  35     7.6     8.5     9.8    10.0     9.8    10.2
GRIDPOLR POL1    ELEV  35     9.9     9.7     9.7    10.9    10.6    10.8
GRIDPOLR POL1    ELEV  35    10.7    11.0
GRIDPOLR POL1    ELEV  36     8.3     9.1     8.7     8.7     8.2     7.2
GRIDPOLR POL1    ELEV  36     7.1     8.4     9.4     9.4     8.2     8.5
GRIDPOLR POL1    ELEV  36     9.2     9.3    10.2    10.5    10.7    10.8
GRIDPOLR POL1    ELEV  36    10.2     9.8
GRIDPOLR POL1    HILL   1     8.3     9.2     9.0     8.7     8.8     8.1
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GRIDPOLR POL1	HILL	1	6.9	6.5	8.2	9.2	9.4	9.8
GRIDPOLR POL1	HILL	1	9.4	9.8	10.0	10.1	9.8	9.6
GRIDPOLR POL1	HILL	1	8.5	7.3				
GRIDPOLR POL1	HILL	2	8.2	9.5	8.6	8.6	8.4	8.4
GRIDPOLR POL1	HILL	2	7.3	6.5	7.1	8.2	9.4	9.6
GRIDPOLR POL1	HILL	2	9.1	8.9	8.6	7.9	6.4	6.4
GRIDPOLR POL1	HILL	2	6.9	7.3				
GRIDPOLR POL1	HILL	3	7.8	8.4	8.5	8.5	8.8	8.1
GRIDPOLR POL1	HILL	3	7.6	7.3	6.3	6.5	6.3	6.0
GRIDPOLR POL1	HILL	3	6.7	6.9	6.1	5.7	5.7	5.5
GRIDPOLR POL1	HILL	3	5.1	5.1				
GRIDPOLR POL1	HILL	4	7.4	7.8	8.1	8.3	8.4	8.6
GRIDPOLR POL1	HILL	4	6.4	5.8	5.1	6.2	2.0	2.0
GRIDPOLR POL1	HILL	4	2.0	2.0	2.0	2.0	2.0	2.0
GRIDPOLR POL1	HILL	4	2.0	5.1				
GRIDPOLR POL1	HILL	5	7.2	7.6	7.4	6.8	7.8	7.6
GRIDPOLR POL1	HILL	5	4.6	3.4	2.0	2.0	5.6	6.2
GRIDPOLR POL1	HILL	5	6.3	7.4	8.0	7.1	7.7	7.1
GRIDPOLR POL1	HILL	5	7.9	7.3				
GRIDPOLR POL1	HILL	6	7.2	7.4	6.8	6.0	6.8	12.5
GRIDPOLR POL1	HILL	6	7.1	2.0	6.5	6.2	7.0	5.7
GRIDPOLR POL1	HILL	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR POL1	HILL	6	7.4	7.9				
GRIDPOLR POL1	HILL	7	7.1	7.0	6.4	5.9	11.6	11.2
GRIDPOLR POL1	HILL	7	5.0	2.0	10.0	7.7	7.8	7.4
GRIDPOLR POL1	HILL	7	7.1	7.0	15.1	16.4	7.1	7.3
GRIDPOLR POL1	HILL	7	7.0	8.1				
GRIDPOLR POL1	HILL	8	6.8	6.9	5.8	5.4	5.1	4.1
GRIDPOLR POL1	HILL	8	2.0	9.3	7.3	8.4	10.1	10.1
GRIDPOLR POL1	HILL	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR POL1	HILL	8	7.6	8.2				
GRIDPOLR POL1	HILL	9	6.6	6.4	5.8	4.8	5.2	4.2
GRIDPOLR POL1	HILL	9	2.0	5.9	5.6	6.7	7.7	7.6
GRIDPOLR POL1	HILL	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR POL1	HILL	9	6.7	7.0				
GRIDPOLR POL1	HILL	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR POL1	HILL	10	2.0	7.8	7.1	5.6	5.3	5.3
GRIDPOLR POL1	HILL	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR POL1	HILL	10	7.3	7.9				
GRIDPOLR POL1	HILL	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR POL1	HILL	11	2.0	9.5	8.7	8.1	5.1	5.4
GRIDPOLR POL1	HILL	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR POL1	HILL	11	7.0	6.8				
GRIDPOLR POL1	HILL	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR POL1	HILL	12	2.0	8.8	10.1	14.4	15.9	15.9
GRIDPOLR POL1	HILL	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR POL1	HILL	12	7.3	7.3				
GRIDPOLR POL1	HILL	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR POL1	HILL	13	4.0	3.8	7.7	8.0	8.3	13.2
GRIDPOLR POL1	HILL	13	6.7	3.8	3.7	4.2	5.1	5.7
GRIDPOLR POL1	HILL	13	7.0	6.2				
GRIDPOLR POL1	HILL	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR POL1	HILL	14	3.1	0.0	0.0	3.3	3.3	3.4
GRIDPOLR POL1	HILL	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR POL1	HILL	14	5.8	5.4				
GRIDPOLR POL1	HILL	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR POL1	HILL	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR POL1	HILL	15	3.0	3.0	9.8	7.2	4.1	4.6
GRIDPOLR POL1	HILL	15	4.9	5.6				
GRIDPOLR POL1	HILL	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR POL1	HILL	16	12.0	13.1	13.1	2.9	0.0	0.0
GRIDPOLR POL1	HILL	16	3.7	5.3	3.8	3.1	3.3	3.6

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GRIDPOLR POL1    HILL  16     4.4     4.1
GRIDPOLR POL1    HILL  17     6.1     5.0     4.7     3.5     5.0     5.0
GRIDPOLR POL1    HILL  17     4.8    13.1     9.4     2.4     3.6     4.1
GRIDPOLR POL1    HILL  17     0.0     1.7     3.2     2.3     2.8     3.3
GRIDPOLR POL1    HILL  17     3.6     4.1
GRIDPOLR POL1    HILL  18     6.1     5.1     4.7     4.9     4.9     5.1
GRIDPOLR POL1    HILL  18     5.0     4.5     4.5     3.3     4.4     2.6
GRIDPOLR POL1    HILL  18     0.0     0.0     2.7     3.2     2.7     3.0
GRIDPOLR POL1    HILL  18     3.1     3.7
GRIDPOLR POL1    HILL  19     6.3     5.0     4.7     4.8     5.2     5.5
GRIDPOLR POL1    HILL  19     5.3     4.8     4.9     4.4     4.7     4.9
GRIDPOLR POL1    HILL  19    12.5    13.3    13.6    13.6     0.0     0.0
GRIDPOLR POL1    HILL  19     3.4     3.7
GRIDPOLR POL1    HILL  20     6.4     5.0     4.8     4.2     5.0     5.2
GRIDPOLR POL1    HILL  20     5.6     5.0     4.4     3.8     3.8     3.4
GRIDPOLR POL1    HILL  20     4.1    14.1    12.4    12.9    12.9     0.0
GRIDPOLR POL1    HILL  20     2.8     3.0
GRIDPOLR POL1    HILL  21     6.4     4.8     5.3     5.2     4.6    16.4
GRIDPOLR POL1    HILL  21    16.9    16.5     4.6     3.2     3.1     2.7
GRIDPOLR POL1    HILL  21     2.9     4.3    10.8    11.0     0.0     2.4
GRIDPOLR POL1    HILL  21     2.7     3.1
GRIDPOLR POL1    HILL  22     6.4     5.1     5.6     5.9     5.6    16.8
GRIDPOLR POL1    HILL  22    16.0    16.7    16.1     4.5     3.4     2.6
GRIDPOLR POL1    HILL  22     2.3     3.0     9.4     9.2     9.1     0.0
GRIDPOLR POL1    HILL  22     0.0     1.7
GRIDPOLR POL1    HILL  23     6.8     6.2     5.8     6.1     5.8     6.6
GRIDPOLR POL1    HILL  23    16.8    16.8    16.4     4.6     4.7     4.4
GRIDPOLR POL1    HILL  23     3.0     3.2     2.0     2.4     2.9     2.6
GRIDPOLR POL1    HILL  23     1.6     9.6
GRIDPOLR POL1    HILL  24     7.1     6.4     6.4     6.3     6.5     7.4
GRIDPOLR POL1    HILL  24     6.2     5.9     5.6     5.3     5.2     4.6
GRIDPOLR POL1    HILL  24     5.1     4.8     3.3     3.3     2.9     1.4
GRIDPOLR POL1    HILL  24     0.8     2.0
GRIDPOLR POL1    HILL  25     7.3     7.3     7.1     6.9     8.1     7.5
GRIDPOLR POL1    HILL  25     7.8     7.7     7.9     7.6     6.2     5.6
GRIDPOLR POL1    HILL  25     5.9     5.3     4.8     4.7     4.1     4.5
GRIDPOLR POL1    HILL  25     3.0     1.9
GRIDPOLR POL1    HILL  26     7.5     7.9     7.7     8.4     8.2     8.4
GRIDPOLR POL1    HILL  26     8.4     8.3     8.6     8.3     8.1     7.9
GRIDPOLR POL1    HILL  26     7.6     7.1     6.7     6.6     5.6     4.9
GRIDPOLR POL1    HILL  26     4.0     4.5
GRIDPOLR POL1    HILL  27     7.8     8.3     8.4     8.5     8.2     9.1
GRIDPOLR POL1    HILL  27     8.4     8.6     7.9     6.7     6.9     6.6
GRIDPOLR POL1    HILL  27     6.8     7.0     7.0     7.1     6.6    12.2
GRIDPOLR POL1    HILL  27    14.2    14.2
GRIDPOLR POL1    HILL  28     8.2     8.8     9.3     9.3     8.5     8.3
GRIDPOLR POL1    HILL  28     8.3     7.7     6.9     6.9     6.0     7.3
GRIDPOLR POL1    HILL  28     8.6     9.5    11.1    10.0     8.8     8.6
GRIDPOLR POL1    HILL  28     8.9     9.6
GRIDPOLR POL1    HILL  29     8.3     9.1     9.0     8.4     8.7     8.0
GRIDPOLR POL1    HILL  29     7.8     7.5     7.3     7.3     8.5     8.6
GRIDPOLR POL1    HILL  29     9.5     9.6     9.7    10.1    10.3    10.5
GRIDPOLR POL1    HILL  29    11.3    11.1
GRIDPOLR POL1    HILL  30     8.6     8.6     8.9     8.5     8.3     8.1
GRIDPOLR POL1    HILL  30     7.6     7.4     7.8     8.4     9.7     8.8
GRIDPOLR POL1    HILL  30     8.6     8.7    10.3     9.0     8.8     8.6
GRIDPOLR POL1    HILL  30     9.5    10.1
GRIDPOLR POL1    HILL  31     8.9     9.4     8.7     8.7     8.1     7.7
GRIDPOLR POL1    HILL  31     8.0     8.2     8.8     8.0     8.3     9.1
GRIDPOLR POL1    HILL  31    14.9    15.4     8.2     9.6     9.1     9.3
GRIDPOLR POL1    HILL  31     7.9     7.9
GRIDPOLR POL1    HILL  32     8.5     8.9     9.0     8.8     8.0     8.1
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  GRIDPOLR POL1     HILL  32      8.5     9.2     9.7     8.6     8.4     10.4
  GRIDPOLR POL1     HILL  32     11.0    11.5    11.9    10.2     9.3     11.6
  GRIDPOLR POL1     HILL  32      8.9     8.7
  GRIDPOLR POL1     HILL  33      8.5     8.6     9.0     8.8     8.4      8.2
  GRIDPOLR POL1     HILL  33      8.2     9.9    10.9    11.0    12.7     11.4
  GRIDPOLR POL1     HILL  33     10.9    11.7    11.7    11.5    11.9      9.8
  GRIDPOLR POL1     HILL  33      8.0     9.0
  GRIDPOLR POL1     HILL  34      8.5     8.8     8.7     8.8     7.6      7.8
  GRIDPOLR POL1     HILL  34      7.4     9.4    10.8    10.8    11.3     10.7
  GRIDPOLR POL1     HILL  34     10.4    10.9    12.3    16.6    10.9      8.0
  GRIDPOLR POL1     HILL  34      8.0     8.6
  GRIDPOLR POL1     HILL  35      8.6     9.0     9.0     8.7     7.9      7.5
  GRIDPOLR POL1     HILL  35      7.6     8.5     9.8    10.0     9.8     10.2
  GRIDPOLR POL1     HILL  35      9.9     9.7     9.7    10.9    10.6     10.8
  GRIDPOLR POL1     HILL  35     10.7    11.0
  GRIDPOLR POL1     HILL  36      8.3     9.1     8.7     8.7     8.2      7.2
  GRIDPOLR POL1     HILL  36      7.1     8.4     9.4     9.4     8.2      8.5
  GRIDPOLR POL1     HILL  36      9.2     9.3    10.2    10.5    10.7     10.8
  GRIDPOLR POL1     HILL  36     10.2    11.9
  GRIDPOLR POL1 END
  DISCPOLR TANK          375.70    118.90     4.13     4.13
  DISCPOLR TANK          498.87    129.50     4.28     4.28
  DISCPOLR TANK           81.43    359.00     8.22     8.22
  DISCPOLR TANK          116.79     44.50     7.45     7.45
  DISCPOLR TANK          109.20     67.00     7.18     7.18
  DISCPOLR TANK          100.70     93.73     6.54     6.54
  DISCPOLR TANK           87.91    103.99     6.86     6.86
  DISCPOLR TANK           99.82    123.38     6.79     6.79
  DISCPOLR TANK          138.00    141.00     5.94     5.94
  DISCPOLR TANK          106.00    180.00     5.90     5.90
  DISCPOLR TANK          115.60    206.00     5.94     5.94
  DISCPOLR TANK           54.00    270.00     7.66     7.66
  DISCPOLR TANK           97.00    326.00     8.52     8.52
  DISCPOLR TANK          133.94    242.10     7.16     7.16
  DISCPOLR TANK          101.99    301.65     8.70     8.70
  DISCPOLR TANK          236.54    274.95     8.35     8.35

RE FINISHED

ME STARTING
  SURFFILE  TPA2016_V19191.sfc
  PROFFILE  TPA2016_V19191.pfl
  SURFDATA  12842  2016
  UAIRDATA 12842  2016
  SITEDATA  12842  2016
  PROFBASE  0.0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  ALLAVE  FIRST-THIRD
OU MAXTABLE  ALLAVE  50
OU SUMMFILE USECOLO1.SUM
OU FINISHED


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

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

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

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** SETUP Finishes Successfully ***
****

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
PAGE 1
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 397809.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: HCL

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 736 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 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 19191

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE 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) = 0.00 ; 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: GenericUSE1GramWithElevs2016f.inp
**Output Print File: GenericUSE1GramWithElevs2016f.out

**File for Summary of Results: USECOLO1.SUM
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TANK	0	0.10000E+01	0.0	0.0	0.0	6.10	6.10	6.10	0.00	0.00	YES	HROFDY

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
PAGE 3
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TANK ,

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

URBAN ID	URBAN POP	SOURCE IDs
	397809.	TANK ,

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

SOURCE ID = TANK ; SOURCE TYPE = AREA :

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

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***
X-ORIG = 0.00 ; Y-ORIG = 0.00 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

100.0, 200.0, 300.0, 400.0, 500.0, 600.0, 700.0, 800.0, 900.0, 1000.0,
1100.0, 1200.0, 1300.0, 1400.0, 1500.0, 1600.0, 1700.0, 1800.0, 1900.0, 2000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	8.70	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	4.70	3.80	2.00	2.00
70.00	7.10	7.00	6.40	5.90	7.10	10.00	2.60	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	3.20	2.00	2.00	7.30
90.00	6.60	6.40	5.80	4.80	4.60	4.20	2.00	4.80	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	5.10	4.90
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	6.30	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	4.50	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	2.00	3.10	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	1.20	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	5.30	3.80	1.50
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	4.50	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	4.90	7.30	4.70	4.60
220.00	6.40	5.10	5.60	5.90	5.60	4.90	16.00	11.80	5.00
230.00	6.80	6.20	5.80	6.10	5.80	6.60	5.40	4.90	4.60
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60
250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	8.20	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.70	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00

10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	5.40	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	6.90	9.00	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	8.20	9.30	4.80	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	7.50	5.70	4.40	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	5.60	7.20	4.10	4.60
160.00	2.30	0.00	0.00	3.70	5.30	3.80	1.60	3.30	3.60
170.00	2.40	3.60	0.00	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	3.20	4.10	0.20	0.00	0.00	0.00
200.00	3.80	3.80	3.40	4.10	5.40	12.40	7.30	0.00	0.00
210.00	3.20	3.10	2.70	2.90	2.60	6.30	0.00	0.00	0.10
220.00	4.50	3.40	2.60	2.30	3.00	3.10	7.90	0.00	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	6.50	6.20	5.60	5.50	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	6.00
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	10.70	11.30	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	10.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	2.00
50.00	6.70	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30

130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	2.20
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	6.20	6.40
280.00	8.90	9.60
290.00	11.30	11.10
300.00	8.70	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	9.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	9.50	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	12.50	7.10	2.00	6.50
70.00	7.10	7.00	6.40	5.90	11.60	11.20	5.00	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	4.10	2.00	9.30	7.30
90.00	6.60	6.40	5.80	4.80	5.20	4.20	2.00	5.90	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	7.80	7.10
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	9.50	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	8.80	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	4.00	3.80	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	3.10	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	12.00	13.10	13.10
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	13.10	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	16.40	16.90	16.50	4.60
220.00	6.40	5.10	5.60	5.90	5.60	16.80	16.00	16.70	16.10
230.00	6.80	6.20	5.80	6.10	5.80	6.60	16.80	16.80	16.40
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60

250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	9.30	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.80	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:01:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	6.20	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	15.10	16.40	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	14.40	15.90	15.90	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	8.30	13.20	6.70	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	9.80	7.20	4.10	4.60
160.00	2.90	0.00	0.00	3.70	5.30	3.80	3.10	3.30	3.60
170.00	2.40	3.60	4.10	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	12.50	13.30	13.60	13.60	0.00	0.00
200.00	3.80	3.80	3.40	4.10	14.10	12.40	12.90	12.90	0.00
210.00	3.20	3.10	2.70	2.90	4.30	10.80	11.00	0.00	2.40
220.00	4.50	3.40	2.60	2.30	3.00	9.40	9.20	9.10	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	7.60	6.20	5.60	5.90	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	12.20
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	14.90	15.40	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	16.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	5.10
50.00	7.90	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30
130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	9.60
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	14.20	14.20
280.00	8.90	9.60
290.00	11.30	11.10
300.00	9.50	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	11.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZHILL, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS,METERS)

TANK : (375.7, 118.9, 4.1, 4.1, 0.0); TANK : (498.9, 129.5, 4.3, 4.3, 0.0);
TANK : (81.4, 359.0, 8.2, 8.2, 0.0); TANK : (116.8, 44.5, 7.5, 7.5, 0.0);

```
 TANK       : (    109.2,    67.0,     7.2,     7.2,     0.0);  TANK       : (    100.7,    93.7,     6.5,     6.5,     0.0);
 TANK       : (     87.9,   104.0,     6.9,     6.9,     0.0);  TANK       : (     99.8,   123.4,     6.8,     6.8,     0.0);
 TANK       : (    138.0,   141.0,     5.9,     5.9,     0.0);  TANK       : (    106.0,   180.0,     5.9,     5.9,     0.0);
 TANK       : (    115.6,   206.0,     5.9,     5.9,     0.0);  TANK       : (     54.0,   270.0,     7.7,     7.7,     0.0);
 TANK       : (     97.0,   326.0,     8.5,     8.5,     0.0);  TANK       : (    133.9,   242.1,     7.2,     7.2,     0.0);
 TANK       : (    102.0,   301.6,     8.7,     8.7,     0.0);  TANK       : (    236.5,   274.9,     8.4,     8.4,     0.0);
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016             ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                                         ***        15:01:56
                                                                                                     PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

            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  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016             ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                                         ***        15:01:56
                                                                                                     PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

  Surface file:   TPA2016_V19191.sfc                                                 Met Version:  19191
  Profile file:   TPA2016_V19191.pfl
  Surface format: FREE
  Profile format: FREE
  Surface station no.:    12842                  Upper air station no.:    12842
            Name: UNKNOWN                                     Name: UNKNOWN
            Year:   2016                                      Year:   2016

 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 16 01 01    1 01   -4.4  0.088 -9.000 -9.000 -999.   63.     14.1  0.15   0.34   1.00    0.96  127.    7.9  295.9    2.0
 16 01 01    1 02   -3.2  0.075 -9.000 -9.000 -999.   50.     12.3  0.13   0.34   1.00    0.82  157.    7.9  295.4    2.0
 16 01 01    1 03   -5.6  0.099 -9.000 -9.000 -999.   75.     15.7  0.13   0.34   1.00    1.11  162.    7.9  295.9    2.0
 16 01 01    1 04   -9.0  0.127 -9.000 -9.000 -999.  108.     20.4  0.13   0.34   1.00    1.40  165.    7.9  295.4    2.0
 16 01 01    1 05   -5.6  0.099 -9.000 -9.000 -999.   75.     15.8  0.15   0.34   1.00    1.08  131.    7.9  295.4    2.0
 16 01 01    1 06   -9.2  0.128 -9.000 -9.000 -999.  110.     20.8  0.15   0.34   1.00    1.38  137.    7.9  295.4    2.0
 16 01 01    1 07  -13.4  0.156 -9.000 -9.000 -999.  148.     26.7  0.15   0.34   1.00    1.65  147.    7.9  295.4    2.0
 16 01 01    1 08  -20.3  0.213 -9.000 -9.000 -999.  236.     49.8  0.15   0.34   0.70    2.21  140.    7.9  295.4    2.0
 16 01 01    1 09   11.5  0.225  0.260  0.005   55.  256.    -89.8  0.13   0.34   0.33    2.16  178.    7.9  295.9    2.0
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```
16 01 01   1 10   30.0  0.251  0.450  0.005  110.  301.    -47.8  0.05   0.34   0.21    2.91  189.    7.9  297.0    2.0
16 01 01   1 11   54.9  0.288  0.738  0.005  266.  370.    -39.4  0.05   0.34   0.18    3.30  200.    7.9  298.1    2.0
16 01 01   1 12   66.9  0.386  0.925  0.005  431.  576.    -78.4  0.05   0.34   0.17    4.60  187.    7.9  298.8    2.0
16 01 01   1 13   59.9  0.412  1.118  0.005  848.  635.   -106.2  0.05   0.34   0.16    4.97  183.    7.9  299.9    2.0
16 01 01   1 14   21.4  0.389  0.799  0.005  867.  583.   -249.8  0.05   0.34   0.17    4.80  190.    7.9  299.9    2.0
16 01 01   1 15   17.7  0.314  0.755  0.005  882.  425.   -158.1  0.05   0.34   0.18    3.83  204.    7.9  299.2    2.0
16 01 01   1 16   11.9  0.342  0.664  0.005  892.  480.   -305.2  0.05   0.34   0.21    4.19  243.    7.9  299.2    2.0
16 01 01   1 17   15.1  0.333  0.722  0.005  904.  461.   -221.7  0.05   0.34   0.31    4.05  248.    7.9  298.1    2.0
16 01 01   1 18  -24.9  0.292 -9.000 -9.000 -999.  379.     93.6  0.05   0.34   0.63    3.78  253.    7.9  297.5    2.0
16 01 01   1 19  -26.6  0.277 -9.000 -9.000 -999.  351.     84.6  0.05   0.34   1.00    3.61  256.    7.9  297.0    2.0
16 01 01   1 20  -18.9  0.196 -9.000 -9.000 -999.  211.     42.3  0.04   0.34   1.00    2.79  239.    7.9  295.9    2.0
16 01 01   1 21  -21.2  0.220 -9.000 -9.000 -999.  248.     53.2  0.05   0.34   1.00    2.89  252.    7.9  296.4    2.0
16 01 01   1 22  -29.0  0.300 -9.000 -9.000 -999.  395.     99.2  0.04   0.34   1.00    4.22  338.    7.9  294.9    2.0
16 01 01   1 23  -18.4  0.191 -9.000 -9.000 -999.  206.     39.9  0.05   0.34   1.00    2.57  325.    7.9  294.9    2.0
16 01 01   1 24   -5.7  0.095 -9.000 -9.000 -999.   75.     13.5  0.04   0.34   1.00    1.42  340.    7.9  294.9    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 16 01 01 01    7.9 1  127.    0.96   296.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016            ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                    ***       15:01:56
                                                                                    PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE PERIOD (  8784 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL
***
                          INCLUDING SOURCE(S):     TANK       ,

                          *** NETWORK ID: POL1     ;  NETWORK TYPE: GRIDPOLR ***

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

  DIRECTION |                                    DISTANCE (METERS)
  (DEGREES) |      100.00      200.00      300.00      400.00      500.00      600.00      700.00      800.00      900.00
 ---------------------------------------------------------------------------------------------------------------

      10.00 |   585.65166   191.81042    97.13009    59.60672    40.45087    29.74118    22.94850    18.22854    14.70949
      20.00 |   584.69383   184.58764    90.08493    53.54029    35.77549    25.66449    19.62284    15.46941    12.38330
      30.00 |   583.75541   174.23882    81.72502    47.39659    30.82121    22.02559    16.54749    12.85027    10.37547
      40.00 |   664.17187   195.55191    90.24668    51.78132    33.63133    23.59287    18.02749    14.01511    11.25551
      50.00 |   768.91540   226.71377   105.97321    61.63820    39.54247    27.95819    21.40871    16.69514
13.42898
      60.00 |   836.79851   249.87287   117.91818    68.79260    44.34212    31.89375    23.85962    18.62608    14.85376
      70.00 |   866.00998   265.47394   126.28394    73.65050    47.38432    32.27106    25.82100    20.04213
14.94967
      80.00 |   831.55767   260.69574   127.37930    75.15887    49.74540    35.78820    26.89867    20.93109
16.48264
      90.00 |   726.11901   233.45801   114.09421    68.09665    45.17780    32.22005    24.53418    18.71666    14.91816
     100.00 |   631.93265   208.99211   102.58873    61.62390    41.56753    29.30184    22.54902    16.86061
13.53823
     110.00 |   642.99360   223.57930   114.85183    71.94918    48.39787    34.94172    27.12343    20.12527
15.76531
     120.00 |   720.79208   274.41846   149.29954    95.40674    66.18490    49.11211    38.17236    30.16882
23.60356
     130.00 |   787.89000   309.43346   174.44340   113.33281    79.83793    59.55902    46.72515    37.41405
30.14343
     140.00 |   789.36987   311.93783   175.47881   113.93882    80.72850    59.84207    47.32142    37.93240
31.11380
```

150.00 |	747.92847	293.60204	162.93503	103.68636	72.74168	54.54323	42.51379	34.15058	28.37747
160.00 |	712.06287	276.52002	153.40254	96.00932	65.95719	48.84444	37.63777	30.62325	25.77955
170.00 |	719.73469	281.24862	152.65817	98.72233	67.23452	49.90171	38.87447	31.22747	24.43936
180.00 |	770.28513	290.19284	154.61383	96.48383	66.69118	49.09669	38.11912	30.61983	25.09609
190.00 |	881.57948	325.56958	168.91152	103.54825	70.04271	50.74014	38.90507	30.99082	25.18713
200.00 |	1054.44773	390.80046	203.88183	127.49209	86.55840	63.64351	48.70798	38.98373	32.03534
210.00 |	1219.88926	452.48323	234.82455	146.75028	101.88219	75.10437	57.23261	46.35555	38.14166
220.00 |	1335.68571	487.54702	252.53701	157.15716	108.71027	80.40520	56.36316	48.01928	40.77324
230.00 |	1387.05630	500.70065	263.18031	163.69244	113.30528	83.30452	64.66564	51.73542	42.52320
240.00 |	1367.86755	494.28598	258.34768	161.28880	111.16631	81.50543	63.40853	50.72742	41.67825
250.00 |	1245.05349	435.73147	227.12303	141.32704	95.89444	71.05642	54.71575	43.69890	35.81121
260.00 |	1043.19361	349.24212	178.96306	108.25353	73.92735	53.90216	41.22727	32.75771	26.65895
270.00 |	842.75806	274.75064	138.16742	83.77945	57.00296	40.75931	31.38098	24.70498	20.23946
280.00 |	712.42726	234.99814	118.46313	74.40079	50.43245	37.00710	28.35399	22.69727	18.65743
290.00 |	666.08975	223.62381	116.28659	72.96056	49.92475	37.02595	28.56614	22.83946	18.77784
300.00 |	654.92016	227.30558	117.06282	73.23741	50.49961	37.27851	28.83222	23.05275	18.92692
310.00 |	651.45198	221.86440	116.48003	71.97232	49.62750	36.54429	27.92821	22.14509	18.06426
320.00 |	640.85825	213.80806	109.16299	67.60367	46.62684	34.02591	26.01371	20.59857	16.79191
330.00 |	577.52954	190.28840	95.53146	58.76960	40.29669	29.45132	22.57945	17.68172	14.32059
340.00 |	496.61298	159.26996	79.73595	48.22436	33.19923	23.91698	18.27917	14.12451	11.33745
350.00 |	453.79211	145.14837	71.73869	43.33181	29.36404	21.23766	15.99773	12.43896	9.95320
360.00 |	511.49255	166.76971	84.49787	51.24608	34.85468	25.56019	19.44270	15.09457	12.10699

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES) |	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00 |	12.19306	10.34302	8.91607	7.78193	6.83972	6.09413	5.46611	4.94086	4.49756
20.00 |	10.11473	8.42818	7.19451	6.25052	5.48803	4.86316	4.35479	3.94594	3.56242
30.00 |	8.49812	7.10204	6.04611	5.17363	4.50902	3.99440	3.56147	3.19495	2.88082

40.00	9.17368	7.83451	6.64420	5.71041	4.96409	4.36797	3.89136	3.48012	3.13018
50.00	10.95260	8.89856	7.52843	6.47123	5.59290	4.89880	4.37285	3.90457	3.53420
60.00	11.86784	9.85620	8.43026	7.24864	6.28212	5.52057	4.91167	4.38119	3.97559
70.00	12.50508	10.41497	8.85056	7.61790	6.61094	5.80575	5.08304	4.59151	4.12295
80.00	13.52965	11.25584	9.61655	8.36861	7.35504	6.50935	5.79333	5.19750	4.70587
90.00	12.17381	10.11912	8.60553	7.41874	6.44585	5.68571	5.06521	4.53057	4.12813
100.00	11.03375	9.23877	7.87166	6.66596	5.80792	5.06961	4.50050	4.04750	3.64465
110.00	13.18081	11.49383	9.79345	8.36163	7.31219	6.40366	5.63963	5.08462	4.60312
120.00	20.28649	17.20241	15.28672	13.29171	11.74275	10.53786	9.46093	8.53949	7.74955
130.00	25.29105	21.77960	19.05422	16.75924	14.85735	13.29876	11.94993	10.74659	9.80185
140.00	26.02184	22.20585	19.20583	16.82817	14.87013	13.26615	11.93190	10.78702	9.80416
150.00	23.73362	19.75014	17.12352	14.96762	13.20801	11.59024	10.32650	9.45941	8.59185
160.00	21.28562	18.50702	15.93122	13.44769	11.65343	10.48106	9.60614	8.51728	7.72366
170.00	21.85937	18.55303	16.34808	14.26205	12.52894	11.08366	9.97344	9.01154	8.16023
180.00	21.19285	17.95165	15.65744	13.93721	12.26740	10.78524	9.64924	8.73371	7.93010
190.00	21.08140	17.76020	15.24247	13.45872	11.73907	10.93768	9.78243	8.80474	7.96651
200.00	26.86785	22.83439	19.74882	17.18902	15.03616	12.75093	11.86256	11.20309	10.15593
210.00	32.03314	27.34138	23.65815	20.71536	18.31424	16.29927	14.60437	13.21424	12.04379
220.00	34.24696	29.15345	25.14434	22.00588	19.51550	17.42056	15.64888	13.87030	12.64449
230.00	35.66578	30.40205	26.29185	22.96107	20.32156	18.02902	16.24880	14.73560	13.39073
240.00	34.91044	29.77889	25.77497	22.51885	19.92593	17.75763	15.97556	14.45482	13.14007
250.00	30.21389	25.77498	22.32847	19.51289	17.25440	15.39437	13.84554	12.54013	11.42368
260.00	22.27100	18.90670	16.33303	14.27713	12.61072	11.23365	10.08229	9.13464	8.30602
270.00	17.02830	14.36497	12.36106	10.72577	9.39487	8.35064	7.46658	6.74822	6.14242
280.00	15.55757	13.29565	11.43300	9.89229	8.71979	7.73665	7.00142	6.36966	5.80057
290.00	15.72744	13.29519	11.51267	10.02431	8.84800	7.90552	7.08660	6.42020	5.83796
300.00	15.81015	13.44880	11.69879	10.26909	9.07504	8.11703	7.33158	6.64811	6.05784
310.00	15.15997	12.83078	11.00669	9.50720	8.33078	7.58007	6.73161	6.09856	5.53278
320.00	14.15230	12.03291	10.26716	8.93700	7.89841	7.03023	6.37646	5.78652	5.21108
330.00	11.97798	10.03641	8.76322	7.69184	6.77611	6.02887	5.41461	4.88635	4.48279
340.00	9.43384	7.95880	6.86094	5.98437	5.25706	4.61352	4.18625	3.75546	3.47407
350.00	8.20507	6.96469	5.93273	5.18649	4.56716	4.05751	3.59809	3.24215	2.93850
360.00	10.05081	8.58038	7.35286	6.35289	5.57798	4.89543	4.37427	3.94395	3.55967

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	4.11752	3.78174
20.00	3.22048	2.93603
30.00	2.61827	2.38220
40.00	2.83501	2.59016
50.00	3.21584	2.90964
60.00	3.61574	3.30697
70.00	3.73273	3.37210
80.00	4.26927	3.89531
90.00	3.70575	3.36605
100.00	3.33104	3.01975
110.00	4.20556	3.83352

120.00	7.10185	6.53020
130.00	8.91922	8.21141
140.00	8.93738	8.22667
150.00	7.84799	7.17980
160.00	6.99752	6.43777
170.00	7.48084	6.85619
180.00	7.26588	6.67724
190.00	6.94839	6.34553
200.00	9.10341	8.34496
210.00	11.09225	10.18697
220.00	11.57385	10.80733
230.00	12.20634	11.23105
240.00	12.00746	11.05404
250.00	10.44642	9.62894
260.00	7.60189	6.97030
270.00	5.58255	5.09215
280.00	5.30500	4.86716
290.00	5.30617	4.89295
300.00	5.55637	5.10207
310.00	5.08959	4.66236
320.00	4.82034	4.42234
330.00	4.12660	3.77546
340.00	3.15980	2.88301
350.00	2.68747	2.46960
360.00	3.25187	2.98276

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
PAGE 19
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TANK :	375.70	118.90	102.74818	TANK :	498.87	129.50	79.30882
TANK :	81.43	359.00	674.26103	TANK :	116.79	44.50	550.75363
TANK :	109.20	67.00	749.60605	TANK :	100.70	93.73	677.44510
TANK :	87.91	103.99	736.91600	TANK :	99.82	123.38	747.63307
TANK :	138.00	141.00	525.90070	TANK :	106.00	180.00	716.34012
TANK :	115.60	206.00	958.17155	TANK :	54.00	270.00	1986.70123
TANK :	97.00	326.00	634.54487	TANK :	133.94	242.10	885.15919
TANK :	101.99	301.65	635.20856	TANK :	236.54	274.95	190.59819

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
PAGE 20
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	45809.81901 (16082007)	17015.27647 (16121820)	10273.94712 (16121820)	7044.62801 (16121820)	5188.42100 (16121820)
20.0	35020.99616 (16012620)	15324.44970 (16012620)	9027.14567 (16012620)	6064.10477 (16012620)	4455.99265 (16031020)
30.0	31231.43034 (16112919)	14838.29250 (16112919)	9293.68153 (16112919)	6556.13864 (16112919)	4955.99192 (16112919)
40.0	36916.39245 (16020121)	16125.87234 (16020121)	9411.24630 (16020121)	6301.79741 (16020121)	4583.50368 (16020121)
50.0	39546.75238 (16020121)	17702.20069 (16020121)	10576.50654 (16020121)	7190.49515 (16020121)	5324.61485 (16020121)
60.0	42899.07986 (16012019)	16358.26675 (16012019)	9635.70677 (16012518)	6617.73510 (16012518)	4939.94766 (16012518)
70.0	49082.48131 (16012019)	20551.25236 (16012019)	11876.59191 (16012019)	7958.47369 (16012019)	6019.51900 (16012019)
80.0	35805.83841 (16012019)	15099.38669 (16013018)	9057.09395 (16013018)	6136.54287 (16013018)	4483.41230 (16013018)
90.0	45927.06877 (16012519)	17463.55521 (16012519)	9478.12303 (16012519)	6102.51762 (16012519)	4277.86030 (16012519)
100.0	47253.69593 (16012519)	19221.62190 (16012519)	11033.55366 (16012519)	7287.34842 (16012519)	5162.69980 (16012519)
110.0	42129.07571 (16122908)	18214.05826 (16122908)	10572.88916 (16122908)	6915.44118 (16122908)	5089.52057 (16122908)
120.0	42413.24635 (16062406)	17046.73615 (16062406)	9404.90388 (16062406)	5996.66865 (16062406)	4278.53417 (16062406)
130.0	44095.51106 (16013019)	19431.39446 (16013019)	11297.18668 (16013019)	7540.66789 (16062406)	5578.15557 (16062406)
140.0	36214.33489 (16031907)	16456.23150 (16031907)	9765.03814 (16031907)	6583.74370 (16031907)	4792.23943 (16031907)
150.0	41308.99284 (16091921)	18810.55495 (16091921)	11155.46955 (16091921)	7640.18478 (16091921)	5629.43353 (16091921)
160.0	36860.60726 (16122907)	16946.58504 (16122907)	10052.38449 (16122907)	6843.67592 (16122907)	5033.75013 (16122907)
170.0	44683.65565 (16092306)	19707.81346 (16092306)	11555.86177 (16092306)	7652.96025 (16092306)	5808.34511 (16092306)
180.0	40086.96243 (16040507)	18647.43623 (16040507)	11184.23090 (16040507)	7727.40694 (16040507)	5757.41505 (16040507)
190.0	39386.49263 (16122906)	16760.02635 (16122906)	9768.73113 (16122906)	6648.83841 (16122906)	4954.38479 (16122906)
200.0	40016.52275 (16073006)	15646.09078 (16073006)	9132.62422 (16051506)	6131.66595 (16051506)	4613.02782 (16051506)
210.0	41228.75646 (16073006)	16534.95433 (16073006)	9683.62864 (16073006)	6547.05089 (16073006)	4756.95965 (16073006)
220.0	32512.12170 (16070706)	13429.73954 (16123119)	7938.63892 (16123119)	5441.69196 (16123119)	3995.23192 (16123119)
230.0	35575.92845 (16013008)	14613.64012 (16013008)	8438.31993 (16013008)	5777.13878 (16013008)	4234.38582 (16013008)
240.0	38011.88058 (16082206)	15889.32194 (16082206)	9311.37683 (16082206)	6320.52841 (16082206)	4704.88838 (16082206)
250.0	34850.42050 (16021706)	14730.97976 (16021706)	8663.18492 (16121908)	5870.26339 (16121908)	4463.43147 (16121908)
260.0	36233.10660 (16021706)	15274.93895 (16021706)	8884.22034 (16021706)	6107.99504 (16012021)	4517.84428 (16012021)
270.0	37268.31536 (16020806)	15780.31494 (16021707)	9313.31678 (16021707)	6334.82361 (16021707)	4666.39298 (16021707)
280.0	37535.11637 (16082207)	16335.57237 (16082207)	9713.44815 (16082207)	6540.52266 (16032906)	4859.90347 (16082207)

290.0 | 40221.96531 (16042407) 17365.70997 (16042407) 10248.68107 (16042407) 6906.52227 (16042407) 5134.67332 (16042407)
300.0 | 33538.04433 (16082006) 14824.92227 (16020808) 8905.79747 (16020808) 6097.33731 (16020808) 4524.30872 (16020808)
310.0 | 35842.56402 (16043006) 16062.96816 (16043006) 9632.82565 (16043006) 6610.02578 (16043006) 4870.57243 (16043006)
320.0 | 31832.00677 (16012619) 13254.04052 (16010106) 8018.59069 (16010106) 5499.26557 (16010106) 4059.25885 (16010106)
330.0 | 31295.35143 (16032507) 13907.37798 (16032507) 8288.18257 (16032507) 5649.51350 (16032507) 4165.94205 (16032507)
340.0 | 31122.62482 (16061106) 14076.08987 (16061106) 8514.09250 (16061106) 5882.45446 (16061106) 4318.44756 (16061106)
350.0 | 37002.13424 (16082007) 14557.97806 (16082007) 7839.02867 (16082007) 4940.41347 (16082007) 3559.51652 (16121821)
360.0 | 54540.96336 (16082007) 23611.56931 (16082007) 14015.61125 (16082007) 9592.89656 (16082007) 7068.49674 (16082007)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	4048.04499 (16121820)	3220.46557 (16121820)	2637.10034 (16121820)	2289.06621 (16020220)	2012.97076 (16020220)
20.0	3491.24544 (16031020)	2815.92717 (16031020)	2329.53135 (16031020)	2006.13932 (16031020)	1749.61492 (16031020)
30.0	3919.93552 (16112919)	3193.25808 (16112919)	2667.98893 (16112919)	2249.73230 (16112919)	1958.27416 (16112919)
40.0	3575.31644 (16021221)	2889.85316 (16021221)	2402.39705 (16021221)	2030.65843 (16021221)	1767.51250 (16021221)
50.0	4104.06034 (16020121)	3203.96089 (16020121)	2589.53391 (16020121)	2128.28629 (16020121)	1806.43325 (16020121)
60.0	3797.99610 (16012518)	3040.41792 (16012518)	2433.88494 (16012518)	2068.73012 (16012518)	1865.45973 (16012518)
70.0	4940.24769 (16012019)	3364.20448 (16012019)	2733.11072 (16012019)	2860.28187 (16012019)	2371.94787 (16012019)
80.0	3374.56452 (16013018)	2631.44099 (16013018)	2172.18675 (16121218)	2053.74113 (16121218)	1808.01560 (16121218)
90.0	3308.17674 (16060906)	2535.46420 (16060906)	2242.32490 (16060906)	1926.12079 (16060906)	1698.68334 (16060906)
100.0	4061.01061 (16012519)	3068.76667 (16012519)	2815.94497 (16012519)	2383.22343 (16012519)	2101.83392 (16012519)
110.0	3958.63143 (16122908)	2999.63221 (16122908)	2704.77012 (16122908)	2393.90128 (16122908)	2037.91503 (16122908)
120.0	3159.15727 (16072920)	2451.39197 (16072920)	2176.56179 (16072920)	1930.00026 (16072920)	1647.61095 (16072920)
130.0	4323.88970 (16062406)	3277.02172 (16062406)	2843.88549 (16062406)	2667.31885 (16062406)	2318.96451 (16062406)
140.0	3692.74268 (16031907)	2776.09143 (16031907)	2224.48005 (16031907)	1855.34910 (16031907)	1773.64769 (16031907)

150.0 | 4303.44458 (16091921) 3419.23180 (16091921) 2793.02521 (16091921) 2193.22625 (16091921)
1898.12131 (16091921)
160.0 | 3887.88121 (16122907) 3164.14404 (16122907) 2563.75957 (16122907) 2038.81888 (16122907)
1797.29890 (16122907)
170.0 | 4508.51678 (16092306) 3624.74359 (16092306) 3004.79524 (16092306) 2755.93053 (16050506)
2083.46911 (16092306)
180.0 | 4532.63473 (16040507) 3679.56835 (16040507) 3041.46380 (16040507) 2594.15954 (16040507)
2181.76053 (16040507)
190.0 | 3887.64347 (16122906) 3137.90483 (16122906) 2582.57263 (16122906) 2206.76896 (16122906)
1885.02068 (16122906)
200.0 | 3610.94343 (16051506) 2951.49282 (16051506) 2424.29968 (16051506) 2032.26084 (16051506)
1730.32156 (16051506)
210.0 | 3735.24516 (16073006) 3199.95523 (16081321) 2506.81117 (16081321) 2129.56960 (16081321)
1766.22561 (16081321)
220.0 | 3057.37629 (16123119) 3014.02647 (16070706) 2415.96454 (16070706) 1760.92708 (16070706)
1500.65592 (16070706)
230.0 | 3384.30906 (16013008) 2646.86537 (16013008) 2170.97465 (16013008) 1829.99765 (16013008)
1584.14875 (16013008)
240.0 | 3767.56784 (16082206) 2958.84176 (16082206) 2446.46481 (16082206) 2065.53204 (16082206)
1772.96008 (16082206)
250.0 | 3448.12739 (16121908) 2799.22702 (16121908) 2315.94873 (16121908) 1971.43129 (16121908)
1650.36418 (16121908)
260.0 | 3541.74175 (16012021) 2876.19691 (16012021) 2398.10497 (16012021) 2059.21645 (16012021)
1774.26525 (16012021)
270.0 | 3713.13362 (16021707) 2963.08579 (16021707) 2464.81929 (16021707) 2057.48044 (16021707)
1724.75936 (16021707)
280.0 | 3791.79296 (16082207) 3075.31239 (16032906) 2530.87489 (16032906) 2112.76455 (16032906)
1830.84785 (16032906)
290.0 | 3966.75888 (16042407) 3191.16012 (16042407) 2627.23670 (16042407) 2211.41720 (16042407)
1906.25506 (16042407)
300.0 | 3534.70351 (16020808) 2841.52037 (16020808) 2358.66421 (16121618) 2029.35407 (16121618)
1782.49768 (16121618)
310.0 | 3784.15797 (16043006) 3088.35406 (16043006) 2578.54721 (16043006) 2208.05474 (16043006)
1876.26772 (16043006)
320.0 | 3190.68139 (16010106) 2603.39699 (16010106) 2174.61357 (16010106) 1853.91178 (16010106)
1580.56331 (16010106)
330.0 | 3255.17620 (16032507) 2617.60266 (16032507) 2180.72850 (16032507) 1885.59602 (16032507)
1640.29978 (16032507)
340.0 | 3395.29036 (16061106) 2738.31192 (16061106) 2366.10588 (16061106) 2056.42088 (16061106)
1784.97592 (16061106)
350.0 | 2788.11189 (16121821) 2266.16935 (16121821) 1897.29768 (16121821) 1622.30037 (16121821)
1411.67645 (16121821)
360.0 | 5430.02706 (16082007) 4395.47561 (16082007) 3756.57019 (16082007) 3253.71899 (16082007)
2820.79347 (16082007)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION	DISTANCE (METERS)				
(DEGREES)	1100.00	1200.00	1300.00	1400.00	1500.00

10.0 | 1776.65453 (16020220) 1588.94435 (16020220) 1420.64456 (16020220) 1292.63261 (16020220) 1181.23436 (16020220)
20.0 | 1552.98828 (16010718) 1385.72616 (16010718) 1239.97778 (16010718) 1120.49193 (16010718) 1017.75721 (16010718)
30.0 | 1716.75716 (16112919) 1518.59704 (16112919) 1378.76346 (16112919) 1251.38586 (16112919) 1124.00672 (16112919)
40.0 | 1445.23522 (16021221) 1282.97899 (16021221) 1149.82275 (16021221) 1038.85146 (16021221) 944.55147 (16021221)
50.0 | 1714.06918 (16020121) 1519.97291 (16040621) 1358.12058 (16040621) 1243.42208 (16040621) 1143.02501 (16040621)
60.0 | 1655.89671 (16012518) 1444.04345 (16012518) 1320.90334 (16012518) 1203.87897 (16012518) 1092.29382 (16012518)
70.0 | 2087.60373 (16012019) 1836.58159 (16012019) 1634.53453 (16012019) 1473.50340 (16012019) 1337.59440 (16012019)
80.0 | 1616.50940 (16121218) 1440.89693 (16121218) 1287.37402 (16121218) 1149.27199 (16121218) 1040.89118 (16121218)
90.0 | 1518.22642 (16060906) 1348.12474 (16060906) 1220.04394 (16060906) 1110.73357 (16060906) 1004.04597 (16060906)
100.0 | 1829.93700 (16012519) 1624.34195 (16012519) 1537.18982 (16012519) 1389.59356 (16012519) 1271.01596 (16012519)
110.0 | 1701.21709 (16122908) 1522.18992 (16122908) 1346.74382 (16122908) 1193.09177 (16122908) 1105.23710 (16122908)
120.0 | 1470.03058 (16072920) 1221.09902 (16081920) 1131.27354 (16072920) 1036.29069 (16072920) 914.13590 (16081920)
130.0 | 2014.45811 (16062406) 1721.06392 (16062406) 1497.20376 (16062406) 1330.95767 (16062406) 1203.74529 (16062406)
140.0 | 1535.74777 (16031906) 1367.93829 (16031906) 1217.10388 (16031906) 1095.17202 (16110421) 1012.77748 (16110421)
150.0 | 1891.39768 (16091921) 1649.13873 (16091921) 1467.71611 (16091921) 1325.58304 (16091921) 1292.26453 (16091921)
160.0 | 1478.86464 (16122907) 1312.51792 (16122907) 1264.53387 (16122907) 1170.13420 (16111621) 1035.54385 (16111621)
170.0 | 1890.27375 (16092306) 1488.57692 (16092306) 1334.48837 (16092306) 1267.95849 (16092306) 1211.99882 (16050506)
180.0 | 1972.41975 (16040507) 1665.42165 (16040507) 1364.62663 (16040507) 1233.39588 (16040507) 1233.21239 (16040507)
190.0 | 1670.04725 (16122906) 1491.98532 (16122906) 1267.65754 (16122906) 1181.31500 (16122906) 909.03981 (16122906)
200.0 | 1519.71317 (16051506) 1331.62226 (16051506) 1221.42513 (16051506) 1145.68653 (16051506) 1176.27555 (16051506)
210.0 | 1544.82708 (16081321) 1350.45613 (16081321) 1220.45675 (16081321) 1089.81949 (16081321) 1113.17631 (16081321)
220.0 | 1266.87541 (16070706) 1087.53928 (16123119) 960.25808 (16123119) 894.46323 (16070706) 816.91564 (16070706)
230.0 | 1394.60825 (16013008) 1225.29267 (16013008) 1040.30911 (16013008) 947.76231 (16013008) 814.14474 (16013008)
240.0 | 1552.16927 (16082206) 1352.14783 (16082206) 1232.14812 (16082206) 1102.96341 (16082206) 951.42197 (16082206)
250.0 | 1438.19402 (16121908) 1256.65375 (16121908) 1123.72606 (16121908) 1010.00674 (16121908) 905.93083 (16121908)
260.0 | 1552.13670 (16012021) 1372.52369 (16012021) 1221.70657 (16012021) 1090.05204 (16012021) 981.55435 (16012021)
270.0 | 1515.77083 (16021707) 1335.21417 (16021707) 1204.17673 (16021707) 1094.75842 (16021707) 996.58525 (16021707)
280.0 | 1568.10377 (16032906) 1437.39683 (16032906) 1308.35305 (16082207) 1204.30156 (16082207) 1111.21374 (16032906)
290.0 | 1720.67677 (16042407) 1532.11091 (16042407) 1398.44553 (16042407) 1260.35928 (16042407) 1134.40148 (16042407)
300.0 | 1604.72307 (16121618) 1404.05132 (16121618) 1254.86531 (16121618) 1137.22976 (16121618) 1066.81236 (16121618)
310.0 | 1653.84916 (16043006) 1493.87463 (16043006) 1380.53433 (16043006) 1261.92941 (16043006) 1082.39210 (16043006)

320.0 | 1384.70531 (16010106) 1271.46230 (16010106) 1151.14668 (16010106) 1040.28874 (16010106) 935.42472 (16010106)
330.0 | 1431.96639 (16032507) 1248.98151 (16032507) 1101.84282 (16032507) 1005.63898 (16032507) 916.56848 (16032507)
340.0 | 1579.79781 (16061106) 1393.18533 (16061106) 1244.10830 (16061106) 1133.25990 (16061106) 1053.29485 (16061106)
350.0 | 1240.91948 (16121821) 1109.12274 (16121821) 993.19532 (16121821) 896.93851 (16121821) 817.32751 (16121821)
360.0 | 2428.06596 (16082007) 2168.90045 (16082007) 1968.85470 (16082007) 1783.03312 (16082007) 1647.09768 (16082007)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	1084.48684 (16020220)	995.57337 (16020220)	919.11670 (16020220)	840.02635 (16020220)	766.08472 (16020220)
20.0	924.02239 (16010718)	830.65165 (16010718)	768.50201 (16010718)	720.20603 (16010718)	676.27681 (16010718)
30.0	1022.07168 (16112919)	941.14307 (16112919)	867.34298 (16112919)	799.40908 (16112919)	745.39790 (16112919)
40.0	863.17067 (16021221)	792.08195 (16021221)	729.28217 (16021221)	673.48716 (16021221)	624.66565 (16021221)
50.0	1031.58736 (16040621)	960.26700 (16040621)	879.27208 (16040621)	810.97776 (16040621)	764.86918 (16040621)
60.0	989.68683 (16032619)	914.05444 (16032619)	825.98591 (16032619)	760.43108 (16032619)	712.00338 (16032619)
70.0	1285.08573 (16012019)	1132.88186 (16012019)	1052.95095 (16012019)	970.69066 (16012019)	929.65343 (16012019)
80.0	950.86943 (16121218)	870.05716 (16121218)	783.40912 (16121218)	753.36143 (16121218)	709.84523 (16121218)
90.0	910.31848 (16060906)	837.26997 (16060906)	742.41460 (16060906)	705.88373 (16060906)	657.79174 (16060906)
100.0	1164.66346 (16012519)	1062.41879 (16012519)	984.91884 (16012519)	889.54780 (16012519)	841.09249 (16012519)
110.0	1042.40584 (16122908)	947.49932 (16122908)	870.22697 (16122908)	795.00963 (16122908)	736.91199 (16122908)
120.0	845.42285 (16072920)	784.71303 (16072920)	735.70477 (16072920)	678.87761 (16081920)	633.30324 (16081920)
130.0	1112.90248 (16062406)	1049.10704 (16062406)	985.72106 (16062406)	945.89484 (16062406)	864.75144 (16062406)
140.0	927.57746 (16110421)	869.83239 (16110421)	806.36271 (16110421)	758.04890 (16110421)	701.44978 (16110421)
150.0	1227.26755 (16091921)	1050.27969 (16091921)	983.95446 (16091921)	920.92125 (16091921)	873.56319 (16091921)
160.0	890.72894 (16111621)	863.00082 (16111621)	804.34776 (16111621)	760.02117 (16111621)	704.51274 (16111621)
170.0	1075.90510 (16050506)	1008.29230 (16050506)	948.29160 (16050506)	889.08132 (16050506)	840.56644 (16050506)

180.0	1147.88649 (16040507)	1039.86248 (16040507)	971.52913 (16040507)	905.42469 (16040507)	859.68532 (16040507)
190.0	832.31237 (16122906)	766.14749 (16122906)	708.59187 (16122906)	760.93483 (16122906)	717.04692 (16122906)
200.0	997.88790 (16051506)	715.83303 (16051506)	662.06042 (16051506)	695.27515 (16051506)	653.44991 (16051506)
210.0	810.22601 (16081321)	745.74733 (16081321)	689.73775 (16081321)	721.40624 (16081321)	683.44036 (16081321)
220.0	872.00308 (16070706)	588.81047 (16123119)	544.58818 (16123119)	505.84117 (16123119)	513.01301 (16070706)
230.0	760.00067 (16013008)	715.72862 (16013008)	652.34603 (16013008)	574.96064 (16013008)	553.45615 (16013008)
240.0	871.18115 (16082206)	788.02622 (16082206)	673.62183 (16082206)	599.13270 (16082206)	604.31966 (16082206)
250.0	827.13086 (16121908)	747.61622 (16121908)	700.11499 (16121908)	617.00013 (16121908)	547.37109 (16121908)
260.0	896.46973 (16012021)	801.96116 (16012021)	726.31405 (16012021)	655.79046 (16012021)	621.26259 (16012021)
270.0	915.29419 (16021707)	830.77019 (16021707)	755.01922 (16021707)	705.54002 (16021707)	658.66546 (16021707)
280.0	996.57415 (16032906)	894.37685 (16032906)	823.60210 (16032906)	770.53444 (16032906)	729.78998 (16032906)
290.0	1028.06763 (16042407)	943.88260 (16042407)	876.49650 (16042407)	825.83087 (16042407)	767.64662 (16042407)
300.0	954.52761 (16121618)	875.58914 (16121618)	806.79220 (16121618)	751.20607 (16121618)	720.03824 (16121618)
310.0	1021.49758 (16043006)	931.33068 (16043006)	865.30032 (16043006)	778.83089 (16043006)	726.26830 (16043006)
320.0	842.26373 (16010106)	762.75397 (16010106)	717.88132 (16010106)	639.48882 (16010106)	592.81170 (16010106)
330.0	837.77306 (16032507)	776.70871 (16032507)	694.62515 (16032507)	622.42858 (16032507)	593.00026 (16032507)
340.0	941.53581 (16061106)	871.61024 (16061106)	764.14046 (16061106)	709.88254 (16061106)	670.73932 (16061106)
350.0	745.75592 (16121821)	678.91331 (16121821)	628.44540 (16092621)	583.59086 (16092621)	546.44001 (16092621)
360.0	1515.84740 (16082007)	1400.28164 (16082007)	1297.61019 (16082007)	1194.24666 (16082007)	1106.40408 (16082007)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	6153.83339	(16072920)	TANK	498.87	129.50	5640.10957	(16062406)
TANK	81.43	359.00	67714.04682	(16082007)	TANK	116.79	44.50	34864.60602	(16020121)
TANK	109.20	67.00	44443.66509	(16012019)	TANK	100.70	93.73	47944.82275	(16012519)
TANK	87.91	103.99	53159.62459	(16122908)	TANK	99.82	123.38	45152.10161	(16062406)
TANK	138.00	141.00	25974.31963	(16031907)	TANK	106.00	180.00	37925.29606	(16040507)
TANK	115.60	206.00	35030.60176	(16073006)	TANK	54.00	270.00	73574.69753	(16020806)

TANK : 97.00 326.00 31979.34494 (16032507) TANK : 133.94 242.10 26666.62259 (16082206)
TANK : 101.99 301.65 32294.51138 (16082006) TANK : 236.54 274.95 12996.54152 (16082207)
♀*** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	38101.97926 (16121820)	16797.98857 (16082007)	9538.22692 (16012620)	6619.92575 (16020220)	4982.75902 (16020220)
20.0	29959.22624 (16031020)	13892.10406 (16031020)	8557.15523 (16031020)	5961.01703 (16031020)	4422.22175 (16012620)
30.0	29294.45266 (16080520)	13738.84141 (16121420)	8656.18121 (16121420)	6128.91038 (16121420)	4639.04866 (16121420)
40.0	29825.54092 (16010818)	13894.89008 (16010818)	8502.81519 (16021221)	5973.77590 (16021221)	4511.17699 (16021221)
50.0	33270.26936 (16040621)	15594.46430 (16040621)	9630.87175 (16040621)	6692.09463 (16040621)	5026.33051 (16040621)
60.0	34135.64978 (16012518)	15780.20468 (16012518)	9242.03623 (16032619)	6315.09931 (16032619)	4714.04223 (16032619)
70.0	38856.44412 (16012018)	17532.20224 (16012018)	10496.77519 (16012018)	7154.70069 (16012018)	5390.26070 (16012018)
80.0	33606.80055 (16013018)	14145.43552 (16022819)	8608.76901 (16022819)	5892.21958 (16121218)	4378.59071 (16121218)
90.0	30045.83801 (16060906)	13965.55230 (16060906)	8465.78906 (16060906)	5768.03242 (16060906)	4270.31619 (16060906)
100.0	44831.27706 (16122908)	18394.64229 (16122908)	10363.26965 (16122908)	6750.54567 (16122908)	4798.65358 (16122908)
110.0	33733.34742 (16012519)	13406.64414 (16111921)	8212.42248 (16111921)	5585.44345 (16111921)	4145.57486 (16111921)
120.0	33152.23995 (16013019)	14255.82978 (16061406)	8335.03505 (16061406)	5516.05553 (16072920)	4095.94472 (16072920)
130.0	43311.73234 (16062406)	19250.30077 (16062406)	11280.60730 (16062406)	7502.24501 (16013019)	5532.99730 (16013019)
140.0	35928.72277 (16032007)	16331.08439 (16032007)	9692.69854 (16032007)	6535.08410 (16032007)	4758.25501 (16032007)
150.0	36909.84743 (16022606)	17344.84218 (16022606)	10441.57299 (16022606)	7174.68805 (16022606)	5298.62055 (16022606)
160.0	36431.15396 (16050506)	15080.54260 (16072906)	8901.34747 (16111621)	6189.91110 (16111621)	4655.44913 (16111621)
170.0	40077.20798 (16050506)	18318.71294 (16050506)	10928.01494 (16050506)	7323.10016 (16050506)	5611.24170 (16050506)
180.0	39853.15342 (16010721)	18416.21757 (16010721)	10989.59850 (16010721)	7570.64396 (16010721)	5631.13525 (16010721)
190.0	37527.17153 (16040506)	16270.73787 (16040506)	9524.25967 (16040506)	6490.91145 (16040506)	4837.89136 (16040506)
200.0	35886.02913 (16051506)	15558.34353 (16051506)	8804.36994 (16073006)	5755.72928 (16022206)	4344.59129 (16022206)
210.0	36929.88218 (16081321)	15962.54509 (16081321)	9502.65840 (16081321)	6474.25815 (16081321)	4729.53667 (16081321)

220.0 | 32472.10052 (16123119) 13397.97257 (16070706) 7925.81487 (16070706) 5433.13342 (16070706) 3987.86866 (16070706)
230.0 | 34472.66961 (16032907) 14428.52879 (16032907) 8369.10974 (16032907) 5735.66297 (16032907) 4209.29493 (16032907)
240.0 | 34938.08734 (16090407) 14505.25815 (16090407) 8439.33090 (16090407) 5683.20873 (16090407) 4214.22154 (16090407)
250.0 | 33844.49170 (16082206) 14698.81893 (16121908) 8539.04310 (16021706) 5733.71447 (16021706) 4309.35706 (16021706)
260.0 | 34517.21477 (16020806) 14869.28373 (16012021) 8830.16281 (16012021) 6010.02198 (16021706) 4381.99417 (16021706)
270.0 | 36672.25835 (16021707) 15712.48706 (16020806) 9209.82835 (16062806) 6268.47788 (16062806) 4616.76061 (16062806)
280.0 | 37196.96319 (16032906) 16259.51539 (16032906) 9706.50306 (16032906) 6529.77007 (16082207) 4856.27625 (16032906)
290.0 | 37865.29711 (16013006) 16404.22459 (16013006) 9693.27877 (16013006) 6529.57394 (16013006) 4852.80070 (16013006)
300.0 | 33157.72252 (16020807) 14762.64720 (16082006) 8785.97363 (16121618) 6055.49291 (16121618) 4503.40357 (16121618)
310.0 | 33682.79477 (16050807) 15131.74734 (16012619) 9171.68833 (16012619) 6326.29843 (16012619) 4671.54185 (16012619)
320.0 | 30433.38817 (16043006) 12982.35140 (16012619) 7511.66767 (16091507) 5145.50989 (16091507) 3796.50079 (16012618)
330.0 | 25649.05712 (16032606) 11811.34855 (16010107) 7162.05434 (16010107) 4942.56644 (16010107) 3675.39267 (16010107)
340.0 | 29896.01669 (16032606) 13420.45859 (16032606) 8058.48599 (16032606) 5516.17768 (16032606) 4049.35452 (16032606)
350.0 | 26744.33532 (16061106) 11202.21530 (16121821) 6876.17958 (16121821) 4773.59305 (16121821) 3414.79296 (16082007)
360.0 | 32370.31548 (16121820) 14512.86664 (16121820) 8718.08758 (16121820) 5918.92625 (16121820) 4331.14330 (16121820)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	3914.29049 (16020220)	3144.59693 (16020220)	2612.46736 (16020220)	2251.19944 (16121820)	1983.64214 (16121820)
20.0	3419.30400 (16010718)	2776.52665 (16010718)	2304.88957 (16010718)	1982.94870 (16010718)	1744.48306 (16010718)
30.0	3680.77372 (16121420)	3004.71807 (16121420)	2513.93354 (16121420)	2124.95784 (16121420)	1849.65177 (16121420)
40.0	3512.98865 (16020121)	2801.90107 (16020121)	2261.14996 (16010818)	1897.20005 (16010818)	1650.11333 (16010818)
50.0	3958.52445 (16040621)	3103.39020 (16040621)	2528.66568 (16040621)	2069.12280 (16040621)	1791.30836 (16040621)
60.0	3575.68766 (16032619)	2847.04695 (16121421)	2273.50805 (16121421)	1933.47566 (16121421)	1815.16665 (16032619)
70.0	4339.61446 (16012018)	3131.07010 (16012018)	2555.86383 (16012018)	2535.40581 (16012018)	2135.75213 (16012018)

80.0 | 3324.04736 (16121218) 2607.51805 (16121218) 2156.38978 (16013018) 2005.08560 (16022819) 1753.44817 (16102418)
90.0 | 3220.50489 (16012519) 2463.49734 (16121219) 2185.83667 (16121219) 1886.94770 (16121219) 1662.96126 (16121219)
100.0 | 3641.75598 (16122908) 2790.60529 (16122908) 2407.54748 (16122908) 1971.98927 (16122908) 1729.40168 (16122908)
110.0 | 3243.76561 (16111921) 2497.50145 (16111921) 2281.04607 (16111921) 1989.77830 (16111921) 1716.61873 (16111921)
120.0 | 3137.36575 (16062406) 2432.91211 (16042306) 2112.28480 (16081920) 1885.83014 (16081920) 1629.29941 (16081920)
130.0 | 4265.76523 (16013019) 3245.01475 (16013019) 2767.51338 (16013019) 2614.62131 (16013019) 2246.66387 (16013019)
140.0 | 3668.06756 (16032007) 2757.51901 (16032007) 2210.19075 (16032007) 1843.38101 (16032007) 1761.54557 (16032007)
150.0 | 4058.74337 (16022606) 3222.68944 (16022606) 2628.75442 (16022606) 2081.96844 (16022606) 1792.42991 (16022606)
160.0 | 3659.68781 (16111621) 2985.29392 (16111621) 2438.13021 (16111621) 1954.43835 (16111621) 1734.94304 (16111621)
170.0 | 4396.00316 (16050506) 3557.22627 (16050506) 2949.97281 (16050506) 2734.07362 (16092306) 2049.38789 (16050506)
180.0 | 4423.76675 (16010721) 3583.86614 (16010721) 2958.78193 (16010721) 2515.96149 (16010721) 2119.61350 (16010721)
190.0 | 3799.14576 (16040506) 3069.43321 (16040506) 2528.11655 (16040506) 2160.37809 (16040506) 1846.45911 (16040506)
200.0 | 3417.22137 (16022206) 2801.65774 (16022206) 2308.38545 (16022206) 1939.62128 (16022206) 1655.00990 (16022206)
210.0 | 3724.50298 (16081321) 3176.02547 (16073006) 2483.07703 (16073006) 2094.51917 (16073006) 1737.85843 (16073006)
220.0 | 3050.31052 (16070706) 2954.92607 (16123119) 2373.49959 (16123119) 1757.55491 (16123119) 1496.50660 (16123119)
230.0 | 3356.64737 (16032907) 2631.33910 (16032907) 2158.47370 (16032907) 1817.78830 (16032907) 1568.77151 (16032907)
240.0 | 3373.56723 (16090407) 2649.86435 (16090407) 2190.79706 (16090407) 1847.60957 (16090407) 1581.92402 (16090407)
250.0 | 3289.03070 (16021706) 2633.66184 (16021706) 2191.48095 (16021706) 1878.13007 (16021706) 1567.32267 (16021706)
260.0 | 3438.05287 (16021706) 2736.59766 (16021706) 2230.64616 (16021706) 1910.11176 (16021706) 1644.74782 (16021706)
270.0 | 3678.23699 (16062806) 2936.41934 (16062806) 2443.18987 (16062806) 2039.98420 (16062806) 1710.50362 (16062806)
280.0 | 3784.81274 (16032906) 3061.17363 (16082207) 2509.30583 (16082207) 2089.42735 (16082207) 1795.83409 (16082207)
290.0 | 3745.78506 (16013006) 3019.27299 (16013006) 2485.51317 (16013006) 2092.04470 (16013006) 1798.22862 (16013006)
300.0 | 3521.80681 (16121618) 2836.12541 (16121618) 2356.37926 (16020808) 2015.19073 (16020808) 1756.82135 (16020808)
310.0 | 3632.59545 (16012619) 2970.90385 (16012619) 2491.98683 (16012619) 2151.05724 (16012619) 1835.01321 (16012619)
320.0 | 2984.11260 (16012618) 2440.48494 (16012618) 2052.87771 (16012618) 1754.67227 (16012618) 1499.18874 (16012618)
330.0 | 2884.59131 (16010107) 2346.94849 (16010107) 1978.03177 (16010107) 1694.58852 (16092707) 1475.75577 (16092707)
340.0 | 3177.96742 (16032606) 2537.85816 (16032606) 2125.80965 (16032606) 1847.03620 (16032606) 1602.44056 (16032606)
350.0 | 2663.62420 (16092621) 2171.13705 (16092621) 1834.59065 (16092621) 1584.00948 (16092621) 1378.07705 (16092621)
360.0 | 3359.07155 (16121820) 2659.25879 (16121820) 2151.78124 (16121820) 1824.17451 (16121820) 1521.42366 (16121820)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1729.14518 (16121820)	1538.46900 (16060920)	1375.85060 (16060920)	1251.82989 (16060920)	1143.97027 (16060920)
20.0	1528.76778 (16031020)	1349.56165 (16031020)	1204.91283 (16031020)	1087.88520 (16031020)	987.16443 (16031020)
30.0	1622.52860 (16121420)	1436.24406 (16121420)	1302.74067 (16121420)	1182.19520 (16121420)	1063.28650 (16121420)
40.0	1364.81970 (16020121)	1193.75093 (16010818)	1069.84235 (16010818)	966.62259 (16010818)	879.49375 (16010818)
50.0	1704.35056 (16040621)	1512.91355 (16020119)	1351.75785 (16020119)	1234.44028 (16020119)	1132.81864 (16020119)
60.0	1618.27958 (16032619)	1402.62361 (16032619)	1289.96201 (16032619)	1178.82168 (16032619)	1084.30470 (16032619)
70.0	1880.27463 (16012018)	1659.47281 (16012018)	1480.38088 (16012018)	1335.97175 (16012018)	1213.92371 (16012018)
80.0	1564.30679 (16102418)	1394.12756 (16102418)	1246.42812 (16102418)	1114.26814 (16102418)	1009.62484 (16102418)
90.0	1482.52638 (16121219)	1317.34918 (16121219)	1190.92457 (16121219)	1083.38696 (16121219)	980.88422 (16121219)
100.0	1504.68311 (16122908)	1284.59247 (16122908)	1172.43025 (16122908)	1018.14739 (16122908)	895.78851 (16122908)
110.0	1451.85738 (16111921)	1292.07439 (16111921)	1170.76361 (16111921)	1054.79550 (16111921)	969.60084 (16111921)
120.0	1444.85230 (16081920)	1217.67582 (16072920)	1126.56580 (16081920)	1028.35171 (16081920)	913.76802 (16072920)
130.0	1933.91041 (16013019)	1659.53705 (16013019)	1445.21122 (16013019)	1277.62691 (16013019)	1147.15389 (16013019)
140.0	1533.30486 (16031907)	1347.57467 (16110421)	1202.03620 (16110421)	1094.83113 (16031906)	999.74020 (16031907)
150.0	1766.64274 (16022606)	1544.27956 (16022606)	1376.61784 (16022606)	1244.43890 (16022606)	1196.85270 (16022606)
160.0	1421.91854 (16111621)	1261.49566 (16111621)	1255.43643 (16111621)	1153.62236 (16122907)	1032.31567 (16122907)
170.0	1871.75578 (16050506)	1466.60112 (16050506)	1314.73709 (16050506)	1261.45613 (16050506)	1180.64408 (16092306)
180.0	1900.00991 (16010721)	1613.64918 (16010721)	1334.97673 (16010721)	1206.57752 (16010721)	1179.90037 (16010721)
190.0	1635.58283 (16040506)	1461.04697 (16040506)	1243.26543 (16040506)	1157.71379 (16040506)	893.95097 (16040506)
200.0	1453.76871 (16022206)	1275.61164 (16022206)	1167.56003 (16022206)	1091.07327 (16022206)	1129.16942 (16022206)
210.0	1510.78074 (16073006)	1317.08282 (16073006)	1188.80322 (16073006)	1060.75158 (16073006)	1091.74131 (16073006)
220.0	1266.79009 (16123119)	1085.16721 (16070706)	958.29887 (16070706)	887.37310 (16123119)	807.00749 (16123119)
230.0	1374.59554 (16032907)	1205.25873 (16032907)	1030.13754 (16032907)	933.02416 (16032907)	808.55358 (16032907)
240.0	1376.60637 (16090407)	1197.01367 (16090407)	1077.43337 (16090407)	962.53673 (16090407)	835.71542 (16090407)

250.0 | 1364.91782 (16021706) 1191.01550 (16021706) 1064.58260 (16021706) 953.88936 (16091906) 855.58167 (16091906)
260.0 | 1438.22174 (16021706) 1261.90290 (16021706) 1116.37727 (16090406) 996.13291 (16090406) 897.02016 (16090406)
270.0 | 1500.30672 (16062806) 1321.58164 (16062806) 1191.91240 (16062806) 1083.63509 (16062806) 986.46692 (16062806)
280.0 | 1539.44989 (16082207) 1414.36739 (16082207) 1296.18217 (16032906) 1182.33787 (16032906) 1097.86365 (16082207)
290.0 | 1625.93857 (16013006) 1448.13055 (16013006) 1324.62774 (16013006) 1199.88010 (16013006) 1085.03275 (16013006)
300.0 | 1574.18530 (16020808) 1376.10877 (16020808) 1229.61990 (16020808) 1114.34010 (16020808) 1046.27066 (16020808)
310.0 | 1623.49586 (16012619) 1466.63081 (16012619) 1354.32369 (16012619) 1237.68147 (16012619) 1063.21712 (16012619)
320.0 | 1307.00720 (16012618) 1183.55378 (16012618) 1069.34671 (16012618) 973.21532 (16012618) 890.87233 (16012618)
330.0 | 1317.45318 (16092707) 1162.86791 (16092707) 1040.08436 (16092707) 949.80382 (16092707) 866.20397 (16092707)
340.0 | 1389.98273 (16032606) 1213.39413 (16032606) 1072.32391 (16032606) 976.44011 (16032606) 906.67479 (16032606)
350.0 | 1210.60873 (16092621) 1080.54111 (16092621) 967.02504 (16092621) 872.65852 (16092621) 794.41001 (16092621)
360.0 | 1323.80314 (16021606) 1182.06957 (16021606) 1068.50167 (16021606) 968.83476 (16021606) 882.51037 (16021606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	1050.31879 (16060920)	964.35025 (16060920)	890.42000 (16060920)	814.01956 (16060920)	742.55610 (16060920)
20.0	894.63141 (16031020)	801.87094 (16121819)	741.94271 (16121819)	695.50603 (16031020)	653.58235 (16031020)
30.0	967.51750 (16121420)	890.96327 (16121420)	821.37931 (16121420)	757.51388 (16121420)	706.35322 (16121420)
40.0	805.11160 (16010818)	740.02423 (16010818)	676.04592 (16010818)	619.48568 (16031607)	574.46385 (16031607)
50.0	1022.53736 (16020119)	951.76711 (16020119)	871.58230 (16020119)	803.94231 (16020119)	758.17323 (16020119)
60.0	987.60057 (16012518)	903.86377 (16012518)	821.10461 (16012518)	756.83099 (16012518)	711.00948 (16012518)
70.0	1154.39186 (16012018)	1027.77311 (16012018)	954.56306 (16012018)	881.53774 (16012018)	839.91896 (16012018)
80.0	922.48130 (16102418)	844.48809 (16102418)	762.02820 (16102418)	730.72855 (16102418)	687.92746 (16102418)
90.0	890.88132 (16121219)	821.95656 (16121219)	730.83356 (16121219)	697.50772 (16121219)	653.88117 (16121219)
100.0	825.69136 (16122908)	755.57325 (16122908)	688.34564 (16121320)	634.36971 (16122908)	592.79919 (16121320)

110.0	907.09028 (16111921)	828.05421 (16111921)	762.41738 (16111921)	699.55315 (16111921)	649.98686 (16111921)
120.0	843.99343 (16081920)	782.17701 (16081920)	733.61766 (16081920)	677.50207 (16072920)	627.90303 (16080807)
130.0	1060.38536 (16013019)	999.51389 (16013019)	938.73177 (16013019)	892.73272 (16013019)	818.72931 (16013019)
140.0	915.21148 (16031907)	848.15941 (16031906)	786.39492 (16031906)	740.08121 (16031906)	684.29854 (16031906)
150.0	1116.53624 (16022606)	974.36736 (16022606)	903.32881 (16022606)	840.28346 (16022606)	795.14429 (16022606)
160.0	890.34826 (16122907)	833.00891 (16122907)	764.10709 (16092021)	722.28107 (16092021)	669.41365 (16092021)
170.0	1047.30695 (16092306)	981.91860 (16092306)	923.86963 (16092306)	866.39464 (16092306)	819.43056 (16092306)
180.0	1095.33006 (16010721)	991.99646 (16010721)	926.93274 (16010721)	863.89422 (16010721)	820.47160 (16010721)
190.0	818.49942 (16040506)	753.43371 (16040506)	696.83314 (16040506)	746.24440 (16040506)	701.49907 (16040506)
200.0	951.59272 (16022206)	693.44910 (16022206)	641.35007 (16022206)	667.47646 (16022206)	626.91549 (16022206)
210.0	795.76112 (16073006)	727.18746 (16073006)	670.28853 (16072406)	702.16041 (16073006)	665.73337 (16073006)
220.0	859.45917 (16123119)	584.85229 (16070706)	540.92115 (16070706)	502.40851 (16070706)	506.28206 (16123119)
230.0	748.22805 (16032907)	701.98701 (16032907)	640.00550 (16032907)	565.11519 (16032907)	543.24178 (16032907)
240.0	760.97895 (16090407)	687.97859 (16022908)	600.53694 (16090407)	533.26767 (16090407)	530.70050 (16022908)
250.0	781.14032 (16091906)	706.03087 (16091906)	661.15524 (16091906)	582.55088 (16091906)	516.56493 (16091906)
260.0	813.48085 (16090406)	732.93820 (16090406)	663.81961 (16090406)	599.37356 (16090406)	563.11839 (16020207)
270.0	906.01467 (16062806)	822.31367 (16062806)	747.28798 (16062806)	698.33234 (16062806)	655.02605 (16062806)
280.0	986.00314 (16082207)	889.33323 (16082207)	811.31032 (16082207)	752.74368 (16082207)	712.18334 (16082207)
290.0	984.18055 (16013006)	897.16909 (16013006)	832.13354 (16013006)	785.34693 (16013006)	729.73278 (16013006)
300.0	935.37047 (16020808)	857.88133 (16020808)	790.36170 (16020808)	735.92423 (16020808)	705.66899 (16020808)
310.0	1002.76467 (16012619)	914.47731 (16012619)	849.58032 (16012619)	765.16639 (16012619)	713.52842 (16012619)
320.0	800.98111 (16012618)	728.98120 (16012618)	694.85604 (16012618)	623.06698 (16012618)	579.24744 (16012618)
330.0	792.78817 (16092707)	734.14721 (16092707)	662.13209 (16092707)	597.41208 (16092707)	567.11673 (16092707)
340.0	812.18736 (16032606)	751.74512 (16032606)	661.18550 (16032606)	614.27931 (16032606)	580.06435 (16032606)
350.0	737.17212 (16092621)	677.25345 (16092621)	621.30729 (16121821)	575.98889 (16121821)	539.44971 (16121821)
360.0	801.33247 (16021606)	730.93002 (16021606)	669.41709 (16021606)	618.34413 (16021606)	575.14017 (16021606)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:01:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK :	375.70	118.90	6119.00092	(16062406)	TANK :	498.87	129.50	5443.66323	(16013019)
TANK :	81.43	359.00	37953.53768	(16121820)	TANK :	116.79	44.50	27473.12544	(16040621)
TANK :	109.20	67.00	34423.49775	(16012018)	TANK :	100.70	93.73	35957.91693	(16122908)
TANK :	87.91	103.99	50369.42011	(16012519)	TANK :	99.82	123.38	38750.36116	(16013019)
TANK :	138.00	141.00	25771.69986	(16032007)	TANK :	106.00	180.00	37718.46829	(16010721)
TANK :	115.60	206.00	31299.87094	(16081321)	TANK :	54.00	270.00	70722.31693	(16021707)
TANK :	97.00	326.00	27852.46340	(16010106)	TANK :	133.94	242.10	23916.98886	(16090407)
TANK :	101.99	301.65	32217.07158	(16020808)	TANK :	236.54	274.95	12098.31264	(16091907)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	34159.89986 (16012620)	15607.05042 (16012620)	9419.48964 (16020220)	6605.83839 (16012620)	4896.06634 (16012620)
20.0	28128.46606 (16071420)	13173.24034 (16071420)	8127.05298 (16071420)	5710.05243 (16010718)	4319.59944 (16010718)
30.0	28595.44622 (16121420)	13720.41866 (16080520)	8531.12579 (16080520)	5990.80591 (16080520)	4515.17753 (16080520)
40.0	28654.28878 (16021221)	13668.87661 (16021221)	8487.48903 (16010818)	5879.38946 (16010818)	4399.63227 (16010818)
50.0	33023.24095 (16020119)	15479.45744 (16020119)	9563.65906 (16020119)	6645.13342 (16020119)	4984.35304 (16020119)
60.0	33531.58432 (16032619)	15256.55728 (16032619)	8889.89074 (16012019)	6152.88377 (16121421)	4606.23602 (16121421)
70.0	27337.67877 (16032619)	12080.06135 (16032619)	7046.36890 (16032619)	4709.72115 (16010121)	3520.47900 (16010121)
80.0	30565.98092 (16022819)	13760.87544 (16121218)	8535.78802 (16121218)	5888.00654 (16022819)	4344.59921 (16022819)
90.0	29114.11803 (16013018)	13292.24474 (16092721)	8111.47613 (16092721)	5552.36757 (16092721)	4117.34067 (16092721)
100.0	28023.58999 (16051406)	12859.61575 (16051406)	7645.69984 (16051406)	5146.64343 (16051406)	3723.77365 (16051406)
110.0	28697.23632 (16072920)	12642.78893 (16072920)	7382.36323 (16072920)	4877.35933 (16072920)	3605.25939 (16111220)
120.0	31728.89297 (16061406)	13610.76057 (16042621)	8128.34696 (16072920)	5515.24484 (16061406)	4066.56165 (16042306)
130.0	36201.47332 (16032006)	16866.93620 (16032006)	10138.54643 (16032006)	6861.24615 (16032006)	5092.78315 (16032006)
140.0	34771.11950 (16013019)	15477.45179 (16031906)	9318.26721 (16031906)	6328.50595 (16031906)	4636.89593 (16031906)

150.0 | 31984.30469 (16051821) 15330.00948 (16051821) 9339.45975 (16051821) 6443.62255 (16051821) 4777.30508 (16051821)
160.0 | 35347.14545 (16072906) 14856.96221 (16050506) 8718.36566 (16102107) 5990.48732 (16092021) 4501.95637 (16092021)
170.0 | 37592.37771 (16010721) 17447.69611 (16072906) 10486.60104 (16072906) 7081.34247 (16072906) 5397.25687 (16072906)
180.0 | 37700.13550 (16081107) 16342.50593 (16102419) 9971.78154 (16102419) 6928.58139 (16102419) 5179.35937 (16102419)
190.0 | 35457.85385 (16081107) 15194.63530 (16081107) 8803.49293 (16042906) 6026.36202 (16042906) 4508.89045 (16042906)
200.0 | 34813.11550 (16012507) 14903.85554 (16012507) 8611.33515 (16012507) 5717.93100 (16073006) 4255.90223 (16012507)
210.0 | 35139.14520 (16072406) 15385.56330 (16072406) 9175.61213 (16072406) 6259.45755 (16072406) 4578.21932 (16072406)
220.0 | 32391.84735 (16073006) 11984.29868 (16073006) 6829.83167 (16041206) 4689.74990 (16041206) 3453.46619 (16041206)
230.0 | 32855.65490 (16090407) 13306.56200 (16090407) 7546.23720 (16090407) 5046.84623 (16090407) 3690.68965 (16082106)
240.0 | 33247.31131 (16021708) 13947.88807 (16021708) 8133.37963 (16021708) 5484.46275 (16021708) 4071.11487 (16021708)
250.0 | 33705.83131 (16121908) 13644.50349 (16091906) 8096.20083 (16091906) 5518.75418 (16091906) 4164.97104 (16091906)
260.0 | 33886.71709 (16012021) 14388.09917 (16090406) 8464.94812 (16090406) 5801.92369 (16090406) 4283.46848 (16090406)
270.0 | 36103.42558 (16062806) 15585.77871 (16062806) 9183.30391 (16020806) 6218.83422 (16020806) 4540.34154 (16020806)
280.0 | 34582.96405 (16042407) 14623.79927 (16042407) 8817.53896 (16040406) 6023.08431 (16040406) 4510.33487 (16040406)
290.0 | 37536.09723 (16032906) 15488.14741 (16032906) 8872.39321 (16032906) 5977.98129 (16020807) 4453.06743 (16020807)
300.0 | 33021.59046 (16020808) 14476.16771 (16121618) 8758.79101 (16082006) 5935.36722 (16082006) 4390.27732 (16121406)
310.0 | 33210.03413 (16012619) 14644.66681 (16050807) 8663.92676 (16050807) 5881.20233 (16050807) 4295.51405 (16050807)
320.0 | 29194.99623 (16010106) 12492.45477 (16091507) 7383.38182 (16012618) 5110.76494 (16012618) 3777.11808 (16091507)
330.0 | 25628.22790 (16010107) 11763.32549 (16032606) 7027.43694 (16032606) 4813.37062 (16092707) 3604.59562 (16092707)
340.0 | 25877.64755 (16112921) 11511.82151 (16112921) 6907.26599 (16031806) 4777.96131 (16031806) 3549.96255 (16031806)
350.0 | 24216.94644 (16121821) 10590.82617 (16071320) 6484.90760 (16092621) 4541.80139 (16092621) 3399.90675 (16092621)
360.0 | 22442.72993 (16021606) 11001.15860 (16021606) 7061.54118 (16021606) 5014.03581 (16021606) 3813.04647 (16021606)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00

10.0 | 3805.63269 (16060920) 3058.23361 (16060920) 2539.62925 (16060920) 2220.99169 (16060920) 1950.09378 (16060920)
20.0 | 3354.04728 (16012620) 2674.42862 (16012620) 2218.96761 (16121819) 1907.93409 (16121819) 1675.78500 (16121819)
30.0 | 3559.40430 (16080520) 2892.01790 (16080520) 2411.36778 (16080520) 2028.90929 (16080520) 1764.48408 (16080520)
40.0 | 3423.56395 (16010818) 2755.64627 (16010818) 2249.50646 (16020121) 1851.53661 (16020121) 1596.39315 (16020121)
50.0 | 3922.77292 (16020119) 3076.70654 (16020119) 2507.63694 (16020119) 2052.51770 (16020119) 1776.96300 (16020119)
60.0 | 3555.63185 (16121421) 2839.96693 (16032619) 2247.26085 (16032619) 1902.01841 (16032619) 1776.09865 (16010720)
70.0 | 2719.42123 (16010121) 2191.18005 (16010121) 1797.23129 (16010121) 1627.06341 (16010121) 1415.57782 (16010121)
80.0 | 3283.08101 (16022819) 2567.01289 (16022819) 2128.29244 (16102418) 1994.93433 (16102418) 1737.72423 (16022819)
90.0 | 3194.03748 (16092721) 2457.09923 (16092721) 2164.50227 (16092721) 1857.57776 (16092721) 1634.91432 (16092721)
100.0 | 2902.86427 (16051406) 2252.07945 (16051406) 1972.43774 (16121320) 1679.00426 (16121320) 1469.03186 (16121320)
110.0 | 2825.77480 (16111220) 2196.38595 (16111220) 1946.88184 (16111220) 1656.94510 (16111220) 1430.91767 (16111220)
120.0 | 3119.97367 (16042306) 2412.17742 (16062406) 2098.27489 (16080807) 1870.92251 (16080807) 1615.63243 (16080807)
130.0 | 3960.16423 (16032006) 3031.58344 (16032006) 2617.59010 (16032006) 2450.30508 (16032006) 2135.34638 (16032006)
140.0 | 3626.60946 (16031906) 2709.01404 (16031906) 2177.83761 (16031906) 1839.72175 (16031906) 1748.39611 (16031906)
150.0 | 3675.88953 (16051821) 2926.69887 (16051821) 2391.49070 (16051821) 1900.20472 (16051821) 1636.50483 (16051821)
160.0 | 3537.69576 (16092021) 2882.70386 (16092021) 2360.08969 (16092021) 1893.48827 (16092021) 1682.98927 (16092021)
170.0 | 4228.80959 (16072906) 3421.87761 (16072906) 2837.15718 (16072906) 2588.75032 (16072906) 1989.41196 (16072906)
180.0 | 4083.09180 (16102419) 3320.49592 (16102419) 2751.64206 (16102419) 2348.39374 (16102419) 1982.69088 (16102419)
190.0 | 3539.72611 (16042906) 2853.30398 (16042906) 2346.84190 (16042906) 1995.19327 (16042906) 1701.75214 (16042906)
200.0 | 3299.55066 (16022906) 2695.12202 (16013021) 2220.94169 (16013021) 1866.25046 (16013021) 1592.43268 (16013021)
210.0 | 3605.32623 (16072406) 3091.10802 (16072406) 2427.78435 (16072406) 2062.76502 (16072406) 1712.87304 (16072406)
220.0 | 2652.19704 (16041206) 2484.19605 (16041206) 2042.04605 (16041206) 1531.50914 (16041206) 1307.81154 (16041206)
230.0 | 2945.19680 (16082106) 2314.77704 (16082106) 1902.23434 (16082106) 1605.05861 (16082106) 1388.51650 (16082106)
240.0 | 3258.29250 (16021708) 2561.70637 (16021708) 2117.52094 (16021708) 1784.77465 (16021708) 1526.85113 (16021708)
250.0 | 3215.40873 (16091906) 2611.64757 (16091906) 2171.30312 (16091906) 1860.98672 (16091906) 1558.47216 (16091906)
260.0 | 3365.83664 (16090406) 2698.57564 (16090406) 2215.34218 (16090406) 1881.02790 (16090406) 1620.94712 (16090406)
270.0 | 3621.30897 (16020806) 2882.83829 (16020806) 2375.26142 (16020806) 1971.86432 (16020806) 1651.09685 (16020806)
280.0 | 3527.95566 (16040406) 2860.33976 (16040406) 2353.76745 (16040406) 1965.95249 (16040406) 1695.95803 (16040406)
290.0 | 3445.32231 (16020807) 2787.89923 (16020807) 2312.45743 (16070806) 1962.68391 (16121721) 1701.53972 (16121721)
300.0 | 3435.52706 (16121406) 2768.35701 (16121406) 2303.03102 (16121406) 1981.38347 (16121406) 1740.07765 (16121406)
310.0 | 3335.01689 (16050807) 2717.75286 (16050807) 2245.94729 (16050807) 1886.27851 (16050807) 1607.74850 (16050807)

320.0 | 2961.98111 (16091507) 2418.28592 (16091507) 1999.76568 (16091507) 1689.06268 (16091507) 1440.65170 (16091507)
330.0 | 2831.90086 (16092707) 2307.92775 (16092707) 1964.81032 (16092707) 1689.12113 (16010107) 1468.28559 (16010107)
340.0 | 2796.63426 (16031806) 2263.73431 (16031806) 1910.98857 (16031806) 1634.31237 (16031806) 1421.70364 (16031806)
350.0 | 2595.64940 (16020221) 2115.28936 (16020221) 1787.44304 (16020221) 1544.20451 (16020221) 1344.35807 (16020221)
360.0 | 3017.09807 (16021606) 2451.64249 (16021606) 2041.97475 (16021606) 1736.30764 (16021606) 1512.94559 (16021606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1720.24086 (16060920)	1503.25857 (16121820)	1319.09834 (16121820)	1195.19796 (16121820)	1092.31099 (16121820)
20.0	1489.17126 (16121819)	1328.96624 (16121819)	1190.76946 (16121819)	1076.75288 (16121819)	978.77777 (16121819)
30.0	1545.54131 (16080520)	1366.28103 (16080520)	1240.93924 (16080520)	1126.23786 (16080520)	1010.71714 (16080520)
40.0	1354.30522 (16010818)	1171.08846 (16031607)	1049.58188 (16031607)	948.31558 (16031607)	862.81851 (16031607)
50.0	1693.89213 (16020119)	1485.46872 (16020121)	1314.73834 (16020121)	1214.90764 (16020121)	1117.65106 (16020121)
60.0	1568.13658 (16010720)	1370.69452 (16010720)	1247.39749 (16121421)	1134.21435 (16121421)	1038.99454 (16010720)
70.0	1248.32105 (16010121)	1108.28053 (16010121)	992.82310 (16010121)	897.68979 (16010121)	817.03167 (16010121)
80.0	1542.00028 (16013018)	1373.08136 (16120621)	1228.30297 (16120621)	1098.53329 (16120621)	995.55742 (16120621)
90.0	1459.34254 (16092721)	1296.23883 (16092721)	1172.43604 (16092721)	1066.95133 (16092721)	965.20693 (16092721)
100.0	1286.54513 (16121320)	1143.41823 (16121320)	1055.88039 (16121320)	957.94608 (16121320)	877.84784 (16121320)
110.0	1230.59965 (16111220)	1085.60566 (16111220)	985.12841 (16111220)	891.11924 (16111220)	822.12841 (16111220)
120.0	1432.85943 (16080807)	1214.47494 (16080807)	1118.97440 (16080807)	1020.91427 (16080807)	909.23663 (16080807)
130.0	1860.71129 (16032006)	1596.02449 (16032006)	1390.06691 (16032006)	1237.92420 (16032006)	1123.37612 (16032006)
140.0	1524.76065 (16032007)	1335.21159 (16031907)	1182.74565 (16031907)	1078.59930 (16031907)	992.13343 (16032007)
150.0	1596.49959 (16051821)	1397.05895 (16051821)	1245.78975 (16051821)	1126.15293 (16051821)	1086.57320 (16051821)
160.0	1376.97876 (16092021)	1222.72383 (16092021)	1203.63455 (16092021)	1112.89178 (16092021)	985.38455 (16092021)
170.0	1794.95103 (16072906)	1433.83618 (16072906)	1285.44983 (16072906)	1217.79240 (16072906)	1149.57076 (16072906)

180.0 | 1787.46570 (16102419) 1516.99369 (16102419) 1250.23421 (16102419) 1130.03143 (16102419) 1123.29843 (16102419)
190.0 | 1503.49889 (16042906) 1342.59638 (16042906) 1147.38211 (16042906) 1066.13675 (16042906) 832.11194 (16042906)
200.0 | 1397.60271 (16013021) 1225.97090 (16013021) 1119.97202 (16013021) 1044.73917 (16013021) 1075.84214 (16013021)
210.0 | 1498.30032 (16072406) 1310.21214 (16072406) 1183.88970 (16072406) 1057.42201 (16072406) 1077.08923 (16072406)
220.0 | 1108.90677 (16041206) 952.92298 (16041206) 842.52578 (16041206) 784.06835 (16041206) 715.78018 (16041206)
230.0 | 1219.61854 (16082106) 1070.73291 (16082106) 915.72977 (16082106) 831.16759 (16082106) 718.88681 (16082106)
240.0 | 1335.51866 (16022908) 1167.81601 (16022908) 1061.08771 (16022908) 951.60546 (16022908) 828.51719 (16022908)
250.0 | 1358.34439 (16091906) 1186.89422 (16091906) 1061.31511 (16091906) 948.66900 (16021706) 847.70110 (16021706)
260.0 | 1418.13737 (16090406) 1254.11537 (16090406) 1103.15810 (16021706) 980.73725 (16020207) 884.17869 (16020207)
270.0 | 1444.76191 (16020806) 1272.30708 (16020806) 1147.48850 (16020806) 1043.26836 (16020806) 949.65670 (16020806)
280.0 | 1453.56804 (16040406) 1326.65446 (16040406) 1226.46282 (16040406) 1129.17587 (16040406) 1057.89175 (16040406)
290.0 | 1536.77363 (16121721) 1368.85993 (16121721) 1248.67819 (16121721) 1128.99898 (16121721) 1026.91724 (16070806)
300.0 | 1565.77440 (16121406) 1370.67322 (16121406) 1225.23370 (16121406) 1110.40144 (16121406) 1041.04722 (16121406)
310.0 | 1419.65325 (16050807) 1276.59873 (16050807) 1161.20707 (16050807) 1029.60107 (16050807) 920.75488 (16050807)
320.0 | 1262.21413 (16091507) 1158.10479 (16091507) 1034.77880 (16091507) 917.09561 (16091507) 834.39659 (16091507)
330.0 | 1313.30178 (16010107) 1157.10304 (16010107) 1034.17658 (16010107) 944.61884 (16010107) 856.37615 (16010107)
340.0 | 1258.14635 (16031806) 1115.22075 (16031806) 999.16931 (16031806) 909.53943 (16031806) 826.43750 (16031806)
350.0 | 1177.84691 (16020221) 1041.44111 (16080321) 932.54305 (16080321) 841.85597 (16080321) 766.46090 (16080321)
360.0 | 1312.35307 (16121820) 1142.05844 (16121820) 1036.74369 (16121820) 908.68331 (16121820) 818.18262 (16120418)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	1002.76800 (16121820)	919.77924 (16121820)	840.53274 (16121820)	772.65199 (16121820)	704.06820 (16121820)
20.0	889.81514 (16121819)	801.43747 (16031020)	741.40577 (16031020)	694.85694 (16121819)	652.14623 (16121819)
30.0	918.60695 (16080520)	845.76080 (16080520)	779.22415 (16080520)	717.88826 (16080520)	669.32800 (16080520)

40.0	789.63766 (16031607)	725.85257 (16031607)	669.59373 (16031607)	612.35187 (16010818)	559.52818 (16010818)
50.0	1006.83080 (16020121)	932.04217 (16031707)	854.58370 (16031707)	788.91356 (16031707)	743.25252 (16031707)
60.0	953.84273 (16010720)	886.93935 (16010720)	804.00707 (16010720)	743.86726 (16010720)	699.32070 (16010720)
70.0	759.48186 (16010121)	689.99152 (16010121)	637.10275 (16010121)	588.22365 (16010121)	550.20159 (16010121)
80.0	909.74902 (16120621)	832.89652 (16120621)	751.41167 (16120621)	720.86014 (16120621)	678.73820 (16120621)
90.0	875.84561 (16092721)	807.34791 (16092721)	716.35440 (16092721)	681.44699 (16092721)	634.92930 (16092721)
100.0	807.29868 (16121320)	741.86678 (16121320)	684.72976 (16122908)	630.31493 (16121320)	582.19171 (16111920)
110.0	766.09681 (16111220)	700.95669 (16111220)	646.14970 (16111220)	594.31672 (16111220)	552.60781 (16111220)
120.0	838.69507 (16080807)	776.63847 (16080807)	727.39270 (16080807)	673.22158 (16080807)	625.00185 (16072920)
130.0	1041.69304 (16032006)	979.63398 (16032006)	918.72568 (16032006)	878.03651 (16032006)	804.88720 (16032006)
140.0	908.58583 (16032007)	824.47419 (16031907)	751.43914 (16052306)	705.90694 (16031907)	652.36531 (16031907)
150.0	1017.82991 (16040321)	888.42774 (16051821)	828.49117 (16040321)	774.25846 (16040321)	731.78646 (16040321)
160.0	857.46579 (16092021)	819.69752 (16092021)	760.53716 (16012521)	720.40321 (16122907)	667.07494 (16122907)
170.0	1023.81525 (16072906)	956.93710 (16072906)	899.35860 (16072906)	842.87526 (16072906)	796.35374 (16072906)
180.0	1044.28987 (16102419)	947.27644 (16102419)	884.38493 (16102419)	824.03338 (16102419)	781.28605 (16102419)
190.0	760.42808 (16042906)	699.97383 (16042906)	647.38465 (16042906)	688.48277 (16042906)	648.18024 (16042906)
200.0	909.98467 (16013021)	667.53512 (16013021)	616.85475 (16013021)	640.31332 (16013021)	601.31122 (16013021)
210.0	787.39330 (16072406)	724.72423 (16072406)	669.53619 (16073006)	699.90062 (16072406)	662.86234 (16072406)
220.0	750.84050 (16041206)	517.76698 (16041206)	478.78824 (16041206)	444.59484 (16041206)	451.97322 (16041206)
230.0	667.75083 (16082106)	622.29330 (16082106)	567.08690 (16082106)	505.04553 (16082106)	480.25721 (16082106)
240.0	758.64285 (16022908)	687.89500 (16090407)	594.19992 (16022908)	530.59488 (16022908)	526.73452 (16090407)
250.0	763.86746 (16042006)	691.27973 (16042006)	646.81617 (16042006)	577.73601 (16021706)	514.69065 (16021706)
260.0	807.80945 (16020207)	724.65281 (16020207)	657.59332 (16020207)	595.29406 (16020207)	562.98825 (16090406)
270.0	872.19586 (16020806)	790.09547 (16020806)	718.87399 (16020806)	656.60252 (16020806)	615.21289 (16040407)
280.0	951.32468 (16040406)	856.08694 (16040406)	788.79492 (16040406)	737.63242 (16040406)	697.77426 (16040406)
290.0	947.63625 (16070806)	876.13746 (16070806)	813.80949 (16070806)	767.04068 (16070806)	713.13546 (16070806)
300.0	931.99716 (16121406)	855.02202 (16121406)	787.92650 (16121406)	733.63575 (16121406)	702.87316 (16121406)
310.0	830.09266 (16050807)	757.78880 (16050807)	703.14268 (16050807)	638.37830 (16050807)	595.26794 (16050807)
320.0	746.57822 (16091507)	677.62807 (16091507)	650.23001 (16091507)	578.46264 (16091507)	537.44840 (16091507)
330.0	781.91661 (16062906)	723.99382 (16062906)	653.54168 (16062906)	590.07158 (16062906)	559.94626 (16062906)
340.0	748.11548 (16031806)	681.12434 (16031806)	619.16853 (16031806)	568.54733 (16031806)	524.39592 (16031806)

350.0 | 710.25801 (16080321) 652.74968 (16080321) 605.63149 (16080321) 562.50330 (16080321) 526.57092 (16080321)
360.0 | 751.18762 (16120418) 686.17087 (16120418) 629.43107 (16120418) 581.20234 (16120418) 537.70978 (16120418)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)
TANK	375.70	118.90	5745.19908	(16080807)	TANK	498.87	129.50	5083.60151	(16032006)
TANK	81.43	359.00	28679.47614	(16071320)	TANK	116.79	44.50	24389.90482	(16021221)
TANK	109.20	67.00	28009.46328	(16032619)	TANK	100.70	93.73	28888.60091	(16060906)
TANK	87.91	103.99	33105.69541	(16111921)	TANK	99.82	123.38	33941.68770	(16032006)
TANK	138.00	141.00	24004.46777	(16091921)	TANK	106.00	180.00	35283.28326	(16081107)
TANK	115.60	206.00	30447.27132	(16012507)	TANK	54.00	270.00	69396.16636	(16062806)
TANK	97.00	326.00	26493.45481	(16012619)	TANK	133.94	242.10	22918.93989	(16121908)
TANK	101.99	301.65	31381.63814	(16121618)	TANK	236.54	274.95	11380.41929	(16040406)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	10633.54835 (16121824)	4477.92650 (16121824)	2596.85624 (16121824)	1733.94806 (16121824)	1241.14657 (16121824)
20.0	9913.64160 (16020224)	4088.27120 (16121824)	2381.17536 (16121824)	1590.16694 (16121824)	1159.48902 (16121824)
30.0	7981.89262 (16121424)	3396.45751 (16121424)	1993.82418 (16121424)	1351.72490 (16121424)	990.99499 (16121424)
40.0	10775.27180 (16020124)	4473.06453 (16020124)	2603.20008 (16021224)	1754.50326 (16021224)	1283.53003 (16021224)
50.0	12771.61577 (16020124)	5745.14413 (16020124)	3450.96447 (16020124)	2357.32704 (16020124)	1723.64462 (16020124)
60.0	9399.94560 (16020124)	4053.06065 (16020124)	2377.53060 (16020124)	1588.13541 (16020124)	1121.97799 (16020124)
70.0	10992.36568 (16012024)	4760.43183 (16012024)	2809.54767 (16010124)	1921.13646 (16010124)	1426.22246 (16012024)

80.0 | 9506.66031 (16030124) 3959.43497 (16030124) 2313.66975 (16030124) 1532.67535 (16030124) 1100.10333 (16030124)
90.0 | 10309.24446 (16012924) 4531.38831 (16012924) 2679.92575 (16012924) 1793.63616 (16012924) 1301.92956 (16012924)
100.0 | 8457.40233 (16111924) 3850.30896 (16111924) 2294.75611 (16111924) 1556.62900 (16012924) 1139.34283 (16012924)
110.0 | 8837.22087 (16111924) 4192.47250 (16111924) 2568.79670 (16111924) 1767.39378 (16111924) 1299.09025 (16111924)
120.0 | 9075.06020 (16020724) 4203.34456 (16020724) 2547.74609 (16020724) 1736.00730 (16020724) 1277.95715 (16020724)
130.0 | 10603.50276 (16110424) 4736.60689 (16110424) 2814.21376 (16110424) 1908.07632 (16011724) 1402.09964 (16011724)
140.0 | 9708.19546 (16011824) 4426.61442 (16011824) 2667.59219 (16011824) 1804.51818 (16011824) 1319.41461 (16011824)
150.0 | 10404.64687 (16111424) 4898.34664 (16111424) 2996.30745 (16111424) 2058.38088 (16111424) 1521.83663 (16111424)
160.0 | 10841.35904c(16011224) 5116.63849c(16011224) 3121.09520c(16011224) 2103.09378c(16011224) 1521.45811c(16011224)
170.0 | 8383.64382 (16110408) 4055.83844 (16110324) 2585.06279 (16110324) 1822.04231 (16110324) 1368.48319 (16110324)
180.0 | 10546.69228 (16040508) 4515.75640 (16102424) 2785.13299 (16102424) 1932.99147 (16102424) 1441.50200 (16102424)
190.0 | 9177.61448 (16040508) 4162.67057 (16120708) 2473.34061 (16120708) 1680.76567 (16120708) 1238.09421 (16120708)
200.0 | 8980.75049 (16012508) 3823.60034 (16112508) 2234.77787 (16122024) 1506.20688 (16122024) 1093.85080 (16112508)
210.0 | 9577.77308 (16111724) 4219.25483 (16111724) 2476.99841 (16011324) 1683.44402 (16122024) 1236.37406 (16122024)
220.0 | 10706.91844 (16111724) 4696.19523 (16111724) 2717.14278 (16111724) 1821.15655 (16111724) 1332.74818 (16111724)
230.0 | 11040.50339 (16112224) 4825.08818 (16112224) 2818.34385 (16112224) 1889.14172 (16112224) 1382.28256 (16112224)
240.0 | 10249.47696c(16123124) 4414.14733 (16112224) 2569.18406 (16112224) 1712.56131 (16112224) 1256.52030 (16112224)
250.0 | 10446.84664 (16021708) 4068.36638 (16021708) 2310.00771m(16110224) 1554.42321m(16110224) 1145.04404m(16110224)
260.0 | 10699.25690 (16021708) 4199.46939 (16021708) 2351.43011 (16021708) 1537.53107 (16021708) 1098.86297 (16021708)
270.0 | 9411.77973 (16011424) 3972.38067 (16011424) 2302.34639 (16011424) 1541.65006 (16011424) 1120.69287 (16011424)
280.0 | 8416.28033 (16020808) 3225.59903 (16011424) 1848.64761 (16040408) 1253.87956 (16011424) 927.60468 (16092508)
290.0 | 9640.68573 (16020808) 3818.86806 (16020808) 2156.92650 (16020808) 1422.21867 (16020808) 1018.40863 (16020808)
300.0 | 10466.42341 (16013124) 4706.37045 (16013124) 2793.26933 (16013124) 1905.73320 (16013124) 1399.51995 (16013124)
310.0 | 12655.03102 (16013124) 5326.79788 (16013124) 3119.26518 (16013124) 2075.80978 (16013124) 1489.44849 (16013124)
320.0 | 11663.48979c(16012624) 4811.58945c(16012624) 2743.24221c(16012624) 1822.37302c(16012624) 1302.62938c(16012624)
330.0 | 9451.07275c(16012624) 3588.68091 (16010108) 2064.42915 (16010108) 1370.80777 (16010108) 988.50689 (16010108)
340.0 | 7843.52937 (16120424) 3521.50628 (16021208) 2180.31380 (16021208) 1515.17532 (16021208) 1132.75962 (16021208)
350.0 | 7910.44759 (16120424) 3531.56844 (16021208) 2130.97063 (16021208) 1466.84847 (16021208) 1079.42718 (16021208)
360.0 | 8656.55817 (16011616) 3624.14650 (16121724) 2205.96709 (16121724) 1505.23920 (16121724) 1102.83374 (16121724)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	952.67908 (16121824)	759.43796 (16121824)	613.41468 (16121824)	503.67503 (16121824)	426.53365 (16121724)
20.0	889.69511 (16121824)	722.08006 (16121824)	590.14815 (16121824)	495.47145 (16121824)	432.91803 (16010724)
30.0	774.75100 (16121424)	621.69136 (16121424)	511.70371 (16121424)	430.82736 (16121424)	370.74586 (16121424)
40.0	985.45102 (16021224)	797.18798 (16021224)	655.87642 (16021224)	552.91224 (16021224)	470.93491 (16021224)
50.0	1337.97281 (16020124)	1053.70849 (16020124)	857.21025 (16020124)	703.93333 (16020124)	602.16374 (16020124)
60.0	867.60062 (16020124)	683.88249 (16020124)	556.28631 (16020124)	462.83515 (16020124)	372.03573 (16020124)
70.0	1159.98277 (16012024)	858.70076 (16010124)	695.49472 (16010124)	674.46096 (16012024)	563.46250 (16012024)
80.0	833.51484 (16030124)	651.09124 (16030124)	529.92741 (16030124)	447.09888 (16030124)	381.54739 (16030124)
90.0	981.09299 (16012924)	777.18862 (16012924)	630.98693 (16012924)	518.35519 (16012924)	442.95200 (16012924)
100.0	876.58254 (16012924)	691.68377 (16012924)	571.29331 (16012924)	478.45169 (16012924)	409.63194 (16012924)
110.0	1003.48022 (16111924)	788.81634 (16111924)	672.32800 (16111924)	572.29007 (16111924)	490.27351 (16111924)
120.0	984.22920 (16020724)	770.88956 (16020724)	656.13713 (16020724)	558.75965 (16020724)	484.16188 (16020724)
130.0	1077.22324 (16011724)	841.73881 (16011724)	708.87423 (16011724)	606.08660 (16011724)	522.99193 (16011724)
140.0	1006.13226 (16011824)	779.40730 (16011824)	625.48129 (16011824)	521.76431 (16011824)	467.34158 (16011824)
150.0	1174.95360 (16111424)	938.43985 (16111424)	770.63592 (16111424)	617.78342 (16111424)	532.88130 (16111424)
160.0	1182.42691c(16011224)	931.08049c(16011224)	761.12277c(16011224)	633.81751c(16011224)	539.44021c(16011224)
170.0	1077.11872 (16110324)	879.55388 (16110324)	735.59861 (16110324)	627.51401 (16110324)	527.97767 (16110324)
180.0	1130.07362 (16102424)	917.92440 (16102424)	761.81289 (16102424)	649.25491 (16102424)	550.35134 (16102424)
190.0	954.61724 (16120708)	760.50268 (16120708)	627.87390 (16120708)	536.46720 (16120708)	460.39301 (16120708)
200.0	850.06032 (16091224)	683.44974 (16091224)	559.12305 (16091224)	465.88597 (16091224)	396.03761 (16091224)
210.0	957.37113 (16122024)	774.30245 (16122024)	628.49690 (16122024)	530.99733 (16122024)	446.92549 (16122024)
220.0	1018.84184 (16111724)	797.01281 (16111724)	682.60990 (16111724)	558.02742 (16111724)	475.85988 (16111724)
230.0	1067.94055 (16112224)	846.20938 (16112224)	695.80156 (16112224)	587.00415 (16112224)	498.70416 (16112224)
240.0	967.70040 (16112224)	766.96909 (16112224)	626.23741 (16112224)	524.50694 (16112224)	447.73757 (16112224)

250.0 | 885.12147m(16110224) 715.97565m(16110224) 593.03923m(16110224) 503.26172m(16110224) 425.53526m(16110224)
260.0 | 834.02114 (16021708) 661.31614 (16021708) 540.24496 (16021708) 448.24850 (16021708) 381.47653 (16021708)
270.0 | 849.28219 (16011424) 675.58588 (16011424) 554.72929 (16011424) 463.97525 (16011424) 395.56541 (16011424)
280.0 | 723.98795 (16092508) 589.69413 (16092508) 487.73688 (16092508) 409.09769 (16092508) 354.00933 (16092508)
290.0 | 777.97800 (16020808) 621.34697 (16020808) 502.65334 (16020808) 419.01285 (16020808) 361.94387 (16020808)
300.0 | 1085.89573 (16013124) 871.54484 (16013124) 722.60492 (16013124) 616.98676 (16013124) 536.97442 (16013124)
310.0 | 1147.86243 (16013124) 906.00762 (16013124) 736.25440 (16013124) 617.32393 (16013124) 521.22534 (16013124)
320.0 | 1001.13201c(16012624) 813.80707 (16010108) 674.29764 (16010108) 572.67625 (16010108) 490.60898 (16010108)
330.0 | 751.61086 (16010108) 599.04641 (16010108) 479.46581 (16010108) 393.79934 (16010108) 330.32588 (16010108)
340.0 | 881.83447 (16021208) 713.97006 (16021208) 605.04422 (16021208) 509.48581 (16021208) 441.37268 (16021208)
350.0 | 838.77449 (16021208) 677.72761 (16021208) 549.76702 (16021208) 469.77017 (16021208) 397.92006 (16021208)
360.0 | 860.05298 (16121724) 692.62047 (16121724) 550.72098 (16121724) 462.55202 (16121724) 393.21454 (16121724)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	370.37344 (16121724)	328.71280 (16121724)	292.38794 (16121724)	261.72586 (16121724)	233.47013 (16121724)
20.0	381.99651 (16010724)	339.62891 (16010724)	303.48319 (16010724)	273.11638 (16010724)	247.36047 (16010724)
30.0	322.70959 (16121424)	285.18837 (16121424)	253.63714 (16121424)	225.99985 (16121424)	203.00890 (16121424)
40.0	394.20668 (16021224)	348.20066 (16021224)	309.10221 (16021224)	272.36436 (16021224)	244.13178 (16021224)
50.0	555.50184 (16020124)	481.16474 (16020124)	427.85595 (16020124)	390.18172 (16020124)	352.00022 (16020124)
60.0	321.69876 (16020124)	282.11793 (16020124)	245.01428 (16020124)	217.95909 (16020124)	190.46349 (16020124)
70.0	495.98480 (16012024)	437.00680 (16012024)	389.36443 (16012024)	351.18439 (16012024)	318.93976 (16012024)
80.0	328.86683 (16030124)	286.39954 (16030124)	254.79543 (16030124)	227.87112 (16030124)	205.57533 (16030124)
90.0	386.50600 (16011524)	342.67711 (16011524)	307.20487 (16011524)	275.27937 (16011524)	248.33334 (16011524)
100.0	354.98898 (16012924)	314.63505 (16012924)	280.97688 (16012924)	250.89036 (16012924)	226.70999 (16012924)

110.0 | 424.48205 (16111924) 373.92475 (16111924) 333.25357 (16111924) 300.61431 (16111924) 270.76980 (16111924)
120.0 | 423.19978 (16020724) 367.18107 (16020724) 330.99239 (16020724) 300.93724 (16020724) 268.59294 (16020724)
130.0 | 457.68082 (16011724) 399.73949 (16011724) 352.34280 (16011724) 315.12378 (16011724) 284.63375 (16011724)
140.0 | 399.81578 (16011824) 350.99790 (16110424) 311.84148 (16110424) 279.82148 (16110424) 256.78278 (16110424)
150.0 | 500.13401 (16111424) 438.39641 (16111424) 390.78412 (16111424) 352.45800 (16111424) 328.07042 (16111424)
160.0 | 454.15442c(16011224) 396.98733c(16011224) 360.60636c(16011224) 320.93266c(16011224) 289.77988c(16011224)
170.0 | 468.96612 (16110324) 387.59770 (16110324) 347.03462 (16110324) 322.95743 (16110324) 303.39935 (16110324)
180.0 | 487.25163 (16102424) 419.20466 (16102424) 349.62515 (16102424) 315.42786 (16102424) 304.92700 (16102424)
190.0 | 397.42986 (16120708) 347.22510 (16120708) 303.64284 (16120708) 275.68350 (16120708) 228.72889 (16120708)
200.0 | 345.16601 (16091224) 303.21473 (16091224) 275.52343 (16091224) 244.97162 (16091224) 240.41917 (16012508)
210.0 | 390.01700 (16122024) 341.45632 (16122024) 306.60803 (16122024) 274.09556 (16122024) 260.96630 (16122024)
220.0 | 405.86433 (16111724) 349.53215 (16111724) 309.34297 (16111724) 283.92143 (16111724) 255.02950 (16111724)
230.0 | 437.31614 (16112224) 384.82445 (16112224) 330.48967 (16112224) 300.42164 (16112224) 260.74310 (16112224)
240.0 | 387.26194 (16112224) 337.33443 (16112224) 303.61261 (16112224) 268.19130 (16112224) 239.28995 (16112224)
250.0 | 369.96253m(16110224) 323.76910m(16110224) 287.91075m(16110224) 257.49147m(16110224) 230.89707m(16110224)
260.0 | 331.99263 (16021708) 293.27507 (16091608) 262.14479 (16091608) 235.08179 (16091608) 212.63957 (16091608)
270.0 | 346.60984 (16011424) 302.79436 (16011424) 269.35957 (16011424) 236.95502 (16011424) 214.61175 (16011424)
280.0 | 304.48560 (16092508) 275.70436 (16092508) 248.70445 (16092508) 228.53004 (16092508) 213.35629 (16092508)
290.0 | 313.08706 (16020808) 273.71581 (16020808) 245.68554 (16020808) 221.06239 (16042408) 195.26625 (16042408)
300.0 | 470.99672 (16013124) 412.78693 (16013124) 366.11195 (16013124) 330.03721 (16013124) 304.58295 (16013124)
310.0 | 447.48467 (16013124) 395.33079 (16013124) 343.09631 (16013124) 306.74431c(16012624) 274.46344 (16013124)
320.0 | 430.22902 (16010108) 385.68321 (16010108) 346.99012 (16010108) 314.84935 (16010108) 285.20244 (16010108)
330.0 | 284.36219 (16010108) 248.46859 (16010108) 217.66734 (16010108) 197.01325 (16042708) 179.54231 (16042708)
340.0 | 388.47929 (16021208) 344.44285 (16021208) 306.36402 (16021208) 274.86195 (16021208) 253.48267 (16021208)
350.0 | 346.04826 (16021208) 306.85906 (16021208) 271.23709 (16021208) 242.06738 (16021208) 220.60168 (16021208)
360.0 | 340.55592 (16121724) 295.05748 (16121724) 259.70150 (16121724) 232.69055 (16121208) 210.77844 (16121208)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	212.31809 (16121724)	193.46169 (16121724)	177.95072 (16121724)	163.47545 (16121724)	150.30487 (16121724)
20.0	224.59957 (16010724)	202.39696 (16010724)	186.75082 (16010724)	174.48947 (16010724)	163.71252 (16010724)
30.0	184.70913 (16121424)	169.93914 (16121424)	156.54458 (16121424)	143.93381 (16121424)	133.94806 (16121424)
40.0	221.12881 (16021224)	202.18062 (16021224)	182.99571 (16021224)	167.48911 (16021224)	155.33715 (16021224)
50.0	317.66209 (16020124)	292.14081 (16020124)	266.91194 (16020124)	245.04088 (16020124)	225.70823 (16020124)
60.0	174.20727 (16031724)	160.83281 (16031724)	147.34484 (16031724)	136.30295 (16031724)	127.34800 (16031724)
70.0	304.93470 (16012024)	270.08187 (16012024)	250.93925 (16012024)	231.52855 (16012024)	221.19655 (16012024)
80.0	186.33926 (16030124)	170.22226 (16030124)	153.93081 (16030124)	143.55822 (16030124)	129.59531 (16120624)
90.0	225.26213 (16011524)	205.20466 (16011524)	187.48084 (16011524)	173.69563 (16011524)	161.71104 (16011524)
100.0	205.59397 (16012924)	187.44418 (16012924)	173.49048 (16012924)	159.10406 (16012924)	147.70078 (16012924)
110.0	250.39111 (16111924)	229.07867 (16111924)	211.15292 (16111924)	194.16790 (16111924)	178.85319 (16111924)
120.0	247.15555 (16020724)	227.19403 (16020724)	209.47297 (16020724)	192.67042 (16020724)	178.53853 (16020724)
130.0	255.99351 (16011724)	237.51209 (16011724)	219.61918 (16011724)	203.71917 (16011724)	187.97772 (16011724)
140.0	232.73778 (16110424)	215.80337 (16110424)	199.76017 (16110424)	185.94428 (16110424)	172.09961 (16110424)
150.0	305.96933 (16111424)	270.45906 (16111424)	251.87140 (16111424)	234.86173 (16111424)	221.07212 (16111424)
160.0	258.58632c(16011224)	230.98470c(16011224)	212.59508c(16011224)	197.23800c(16011224)	181.64149c(16011224)
170.0	272.51342 (16110324)	253.30243 (16110324)	235.57002 (16110324)	217.95443 (16110324)	203.51423 (16110324)
180.0	283.07616 (16102424)	257.06650 (16102424)	239.78933 (16102424)	223.34253 (16102424)	208.07176 (16102424)
190.0	209.38656 (16120708)	192.70989 (16120708)	178.20587 (16120708)	173.73617 (16120708)	159.18571 (16120708)
200.0	209.68750 (16091224)	166.36707 (16091224)	153.74775 (16091224)	151.14884 (16091224)	141.71754 (16091224)
210.0	207.59544 (16122024)	190.78244 (16122024)	176.14115 (16122024)	176.16184 (16122024)	164.58175 (16122024)
220.0	246.32852 (16111724)	191.36119 (16111724)	176.85417 (16111724)	164.09733 (16111724)	160.40711 (16111724)
230.0	242.08136 (16112224)	220.50307 (16112224)	201.21364 (16112224)	183.94110 (16112224)	170.44216 (16112224)
240.0	216.26717 (16112224)	195.56257 (16112224)	172.45229 (16112224)	155.58988 (16112224)	148.50912 (16112224)
250.0	209.22817m(16110224)	189.50942m(16110224)	175.63171m(16110224)	157.46566m(16110224)	142.34903m(16110224)
260.0	194.78561 (16091608)	175.56156 (16091608)	159.97868 (16091608)	145.45052 (16091608)	137.49877 (16091608)
270.0	194.63785 (16011424)	176.55532 (16011424)	161.34084 (16011424)	148.95507 (16011424)	137.68019 (16011424)

280.0 | 192.37160 (16092508) 173.57692 (16092508) 160.00687 (16092508) 149.54184 (16092508) 140.05557 (16092508)
290.0 | 179.61763 (16020808) 165.77115 (16020808) 149.45102 (16020808) 140.20719 (16042408) 129.97634 (16042408)
300.0 | 274.18779 (16013124) 250.81482 (16013124) 231.06560 (16013124) 214.33819 (16013124) 200.25629 (16013124)
310.0 | 248.91423c(16012624) 227.04484c(16012624) 205.55242c(16012624) 189.41268c(16012624) 172.46132c(16012624)
320.0 | 257.79900 (16010108) 234.30630 (16010108) 216.50735 (16010108) 197.25303 (16010108) 181.10454 (16010108)
330.0 | 164.45158 (16042708) 151.86648 (16042708) 138.76809 (16042708) 126.61691 (16042708) 119.48449 (16042708)
340.0 | 229.20363 (16021208) 211.90364 (16021208) 189.06384 (16021208) 175.65843 (16021208) 165.41998 (16021208)
350.0 | 199.57083 (16021208) 179.67314 (16021208) 164.18936 (16021208) 151.82115 (16021208) 141.23235 (16021208)
360.0 | 191.02696 (16121208) 176.06379 (16082008) 162.99279 (16082008) 150.03886 (16082008) 138.98477 (16082008)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	1853.21047	(16020724)	TANK	498.87	129.50	1378.62454	(16011724)
TANK	81.43	359.00	11324.69491	(16011616)	TANK	116.79	44.50	10205.00210	(16020124)
TANK	109.20	67.00	9858.39536	(16012024)	TANK	100.70	93.73	9866.77355	(16012924)
TANK	87.91	103.99	10233.32963	(16111924)	TANK	99.82	123.38	9930.71580	(16110424)
TANK	138.00	141.00	6914.50149	(16011824)	TANK	106.00	180.00	9878.38843	(16040508)
TANK	115.60	206.00	8170.10539	(16012508)	TANK	54.00	270.00	19138.21024	(16021708)
TANK	97.00	326.00	11204.42686c	(16012624)	TANK	133.94	242.10	7077.45550c	(16123124)
TANK	101.99	301.65	10805.37034	(16013124)	TANK	236.54	274.95	3037.57175	(16011424)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00

10.0 | 10530.43060 (16020224) 4235.39378 (16020224) 2406.52451 (16020224) 1584.02828 (16020224) 1155.51410 (16121724)
20.0 | 9800.38396 (16121824) 3509.51588 (16010724) 2135.24856 (16010724) 1475.79298 (16010724) 1102.45724 (16010724)
30.0 | 7493.89081 (16010724) 2955.89647 (16010724) 1752.35713 (16112924) 1208.56665 (16112924) 894.28630 (16112924)
40.0 | 10290.57917 (16021224) 4454.12600 (16021224) 2495.18718 (16020124) 1607.56858 (16020124) 1129.64957 (16020124)
50.0 | 9624.57228 (16091424) 4185.54161 (16091424) 2494.61169 (16091424) 1711.55136 (16091424) 1243.16424 (16091424)
60.0 | 9121.86740 (16031616) 3483.44549 (16010124) 2057.31014 (16010124) 1386.02165 (16010124) 978.06913 (16010124)
70.0 | 10267.95811 (16010124) 4648.57750 (16010124) 2796.67089 (16012024) 1889.14680 (16012024) 1383.62757 (16010124)
80.0 | 9223.15721 (16080424) 3451.40538 (16080424) 1999.53950 (16042724) 1345.61247 (16042724) 981.73473 (16042724)
90.0 | 9354.70425 (16121324) 4050.23902 (16121324) 2384.37558 (16121324) 1597.89399 (16121324) 1158.29280 (16121324)
100.0 | 8215.39624 (16100816) 3786.19401 (16012924) 2282.21846 (16012924) 1554.17927 (16111924) 1136.28198 (16111924)
110.0 | 7515.89378 (16061324) 3214.38010 (16021624) 2025.74290 (16021624) 1418.38129 (16021624) 1053.25452 (16021624)
120.0 | 8927.12272 (16110424) 3774.14500 (16040424) 2306.80577 (16040424) 1575.10003 (16040424) 1162.65977 (16040424)
130.0 | 9959.09986 (16011724) 4573.00745 (16011724) 2795.06985 (16011724) 1873.96750 (16110424) 1368.50691 (16102124)
140.0 | 9324.84043 (16032008) 3995.16418 (16110424) 2460.41421 (16110424) 1687.32933 (16110424) 1233.88774 (16110424)
150.0 | 9796.63042 (16111624) 4331.08548 (16111624) 2522.29486 (16111624) 1716.73518 (16032124) 1267.34774 (16032124)
160.0 | 9159.41760 (16121516) 3933.76377 (16111624) 2390.34598 (16111624) 1620.19215 (16111624) 1189.00670 (16111624)
170.0 | 8331.32096 (16102424) 3834.97580c(16011224) 2389.08555c(16011224) 1667.05454c(16011224) 1216.42838c(16011224)
180.0 | 9082.66799 (16102424) 4432.22417 (16040508) 2532.06453 (16040508) 1737.48898 (16112108) 1288.90184 (16112108)
190.0 | 8924.23460 (16120708) 3768.16320 (16040508) 2105.02647 (16040508) 1373.56768 (16040508) 977.98244 (16040508)
200.0 | 8542.06708 (16112508) 3799.85755 (16012508) 2223.64495 (16112508) 1486.72441 (16091224) 1092.62729 (16091224)
210.0 | 9448.29976 (16012508) 4188.56568 (16011324) 2473.74524 (16122024) 1677.40070 (16011324) 1228.02505 (16011324)
220.0 | 10123.64558 (16123024) 4227.92142 (16123024) 2380.19784 (16123024) 1573.48465 (16123024) 1134.22350 (16123024)
230.0 | 9732.00682c(16123124) 3882.24773c(16123124) 2182.32004 (16111724) 1442.11334 (16122324) 1052.37784 (16122324)
240.0 | 10040.53585 (16112224) 4279.33752c(16123124) 2425.15421c(16123124) 1615.16248c(16123124) 1171.97369c(16123124)
250.0 | 9059.20227m(16110224) 3939.79339m(16110224) 2227.44372 (16021708) 1480.18264 (16013108) 1095.90119 (16013108)
260.0 | 8010.52543b(16030808) 3389.09381 (16013108) 2003.63896 (16013108) 1346.30233 (16013108) 984.38788 (16013108)
270.0 | 8870.29834 (16021708) 3329.70501 (16021924) 1937.71694 (16021924) 1296.15872 (16021924) 942.51264 (16021924)
280.0 | 7951.52244 (16011424) 3162.33759 (16040408) 1836.64355 (16011424) 1247.04198 (16040408) 903.58738 (16040408)
290.0 | 8247.31889 (16042408) 3410.17257 (16042408) 1976.92881 (16042408) 1322.33590 (16042408) 958.71855 (16042408)
300.0 | 9047.00171 (16020808) 4001.16504 (16012124) 2459.13720 (16012124) 1722.50597 (16012124) 1284.13032 (16012124)
310.0 | 9859.34044c(16012624) 4373.43011c(16012624) 2606.15004c(16012624) 1773.13899c(16012624) 1295.66422c(16012624)

320.0 | 11212.73646 (16013124) 4080.16170 (16013124) 2486.05132 (16010108) 1719.87357 (16010108) 1273.31741 (16010108)
330.0 | 9182.78437 (16043016) 3266.06589c(16012624) 1758.31205 (16010924) 1189.77975 (16010924) 874.97310 (16010924)
340.0 | 7388.60208 (16021208) 3241.55888 (16120424) 1841.50195 (16120424) 1234.20632 (16092624) 909.42648 (16092624)
350.0 | 7811.11114 (16021208) 3345.73403 (16120424) 1950.89840 (16120424) 1313.57035 (16120424) 958.95715 (16120424)
360.0 | 8234.96168 (16020224) 3564.94803 (16020224) 2121.24577 (16020224) 1422.86375 (16020224) 1033.18028 (16020224)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	901.70442 (16121724)	724.07130 (16121724)	596.86434 (16121724)	499.24779 (16121724)	422.57786 (16121824)
20.0	864.67653 (16010724)	699.23516 (16010724)	578.18945 (16010724)	495.14024 (16010724)	421.01306 (16121824)
30.0	699.35727 (16112924)	569.78627 (16112924)	468.79950 (16112924)	392.73375 (16112924)	339.54494 (16112924)
40.0	870.16312 (16091424)	711.14058 (16091424)	589.82741 (16091424)	496.80024 (16091424)	420.05402 (16091424)
50.0	968.81477 (16091424)	782.55214 (16091424)	640.51715 (16091424)	528.72101 (16091424)	453.71540 (16091424)
60.0	762.92763 (16010124)	600.03909 (16010124)	490.56177 (16010124)	405.39355 (16010124)	330.68881 (16031724)
70.0	1028.65868 (16010124)	811.90932 (16012024)	661.12182 (16012024)	585.42017 (16010124)	508.32201 (16010124)
80.0	755.84913 (16010124)	596.22196 (16010124)	485.99899 (16010124)	412.92925 (16120624)	358.27204 (16120624)
90.0	890.03803 (16011524)	692.73148 (16011524)	595.22208 (16011524)	504.22358 (16011524)	437.68426 (16011524)
100.0	861.47400 (16111924)	677.57307 (16111924)	556.85368 (16111924)	470.25152 (16111924)	400.67221 (16111924)
110.0	825.46383 (16021624)	645.83592 (16021624)	558.89766 (16021624)	476.40182 (16021624)	413.89193 (16021624)
120.0	889.99120 (16040424)	697.98410 (16040424)	589.03118 (16040424)	493.32632 (16040424)	426.96489 (16040424)
130.0	1053.05289 (16102124)	822.35940 (16102124)	687.35923 (16102124)	596.16564 (16102124)	516.70672 (16102124)
140.0	958.46273 (16110424)	740.51314 (16110424)	598.72118 (16110424)	499.83433 (16110424)	456.57947 (16110424)
150.0	976.96291 (16032124)	778.12393 (16032124)	636.06633 (16032124)	507.05515 (16032124)	436.66539 (16032124)
160.0	918.75971 (16111624)	738.40585 (16111624)	604.04506 (16111624)	493.92249 (16111624)	428.19694 (16111624)
170.0	942.87839c(16011224)	760.54780c(16011224)	626.00599c(16011224)	516.93100c(16011224)	448.85336c(16011224)

180.0 | 1006.10491 (16112108) 815.80423 (16112108) 672.32560 (16112108) 568.31760 (16112108) 483.16440 (16112108)
190.0 | 742.04246 (16040508) 585.88492 (16040508) 478.99830 (16011808) 407.81661 (16011808) 350.44102 (16011808)
200.0 | 849.95288 (16122024) 678.38411 (16122024) 550.77362 (16122024) 456.94531 (16122024) 390.20073 (16122808)
210.0 | 951.44399 (16011324) 770.53467 (16011324) 627.87759 (16011324) 527.68373 (16011324) 445.26643 (16011324)
220.0 | 864.62130 (16123024) 682.21278 (16123024) 583.41642 (16123024) 469.64084 (16123024) 399.45688 (16123024)
230.0 | 822.44339 (16122324) 652.09405 (16122324) 536.44022 (16122324) 452.92801 (16122324) 387.81014 (16122324)
240.0 | 900.47028c(16123124) 712.66799c(16123124) 580.11549 (16122708) 488.30458 (16122708) 416.83792 (16122708)
250.0 | 852.11243 (16013108) 690.61256 (16013108) 565.35824 (16013108) 481.49036 (16013108) 407.01385 (16013108)
260.0 | 763.09916 (16091608) 619.91052 (16091608) 515.77433 (16091608) 440.47704 (16091608) 379.14921 (16091608)
270.0 | 732.20417 (16040408) 583.22459 (16040408) 477.03445 (16040408) 401.62221 (16040408) 338.98560 (16040408)
280.0 | 701.65929 (16040408) 553.41728 (16040408) 456.13198 (16040408) 383.23275 (16011424) 328.39652 (16011424)
290.0 | 741.40337 (16042408) 593.65913 (16042408) 482.30704 (16042408) 408.06169 (16042408) 350.92278 (16042408)
300.0 | 1005.25470 (16012124) 814.97793 (16012124) 678.14359 (16012124) 577.83482 (16012124) 499.86254 (16012124)
310.0 | 991.37870c(16012624) 801.07435c(16012624) 668.75362c(16012624) 560.45719c(16012624) 475.91679c(16012624)
320.0 | 995.79293 (16010108) 792.27612c(16012624) 647.43568c(16012624) 544.01692c(16012624) 462.11864c(16012624)
330.0 | 667.67458 (16010924) 527.73388 (16010924) 423.37466 (16010924) 359.20411 (16042708) 311.42776 (16042708)
340.0 | 696.89815 (16092624) 547.72673 (16092624) 449.08976 (16092624) 377.57505 (16092624) 321.25258 (16092624)
350.0 | 740.49656 (16120424) 583.53888 (16120424) 475.78152 (16121208) 405.18928 (16121208) 345.90970 (16121208)
360.0 | 793.65155 (16020224) 635.43085 (16020224) 513.20846 (16020224) 427.73535 (16121208) 370.42715 (16121208)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 1100.00 1200.00 1300.00 1400.00 1500.00

10.0 | 362.62859 (16121824) 311.71716 (16121824) 273.87273 (16121824) 241.59258 (16033124) 218.16207 (16033124)
20.0 | 364.65992 (16121824) 323.33654 (16121824) 286.85107 (16121824) 258.66604 (16121824) 233.68927 (16121824)
30.0 | 297.29151 (16112924) 259.90413 (16112924) 231.33519 (16112924) 209.48487 (16112924) 188.44270 (16112924)

40.0 | 358.80009 (16091424) 316.06085 (16091424) 277.50560 (16091424) 246.46942 (16091424) 220.51949 (16091424)
50.0 | 399.19102 (16091424) 353.14576 (16091424) 313.24611 (16091424) 280.58530 (16091424) 252.96969 (16091424)
60.0 | 291.11335 (16031724) 256.11267 (16031724) 230.58461 (16031724) 208.49214 (16031724) 190.27466 (16031724)
70.0 | 442.67442 (16010124) 387.45108 (16010124) 343.70289 (16010124) 306.81308 (16010124) 273.93291 (16010124)
80.0 | 311.40221 (16120624) 272.72662 (16120624) 243.75171 (16120624) 218.66961 (16120624) 198.22249 (16120624)
90.0 | 370.48967 (16012924) 324.44078 (16012924) 287.28407 (16012924) 250.02889 (16012924) 222.96300 (16012924)
100.0 | 340.72348 (16111924) 301.60703 (16111924) 262.19665 (16111924) 237.86017 (16111924) 210.61431 (16111924)
110.0 | 355.85468 (16021624) 316.77722 (16021624) 285.79430 (16021624) 256.34207 (16021624) 233.34385 (16021624)
120.0 | 370.88911 (16040424) 324.90023 (16040424) 290.26020 (16040424) 262.43446 (16040424) 235.28562 (16040424)
130.0 | 451.61334 (16102124) 394.22277 (16102124) 347.20584 (16102124) 310.15487 (16102124) 280.09799 (16102124)
140.0 | 395.45886 (16110424) 347.01897 (16011824) 308.16047 (16011824) 278.30344 (16011824) 250.06240 (16011824)
150.0 | 416.89431 (16032124) 364.50965 (16032124) 323.95917 (16032124) 291.51742 (16032124) 274.77534 (16032124)
160.0 | 359.65878 (16111624) 316.59448 (16111624) 299.37018 (16111624) 275.72303 (16111624) 244.57265 (16111624)
170.0 | 389.06968c(16011224) 336.55396c(16011224) 297.74755c(16011224) 267.42397c(16011224) 246.21195c(16011224)
180.0 | 433.00883 (16112108) 370.92498 (16112108) 312.60341 (16112108) 279.30834 (16112108) 268.59602 (16112108)
190.0 | 308.75799 (16011808) 274.75834 (16011808) 238.57260 (16011808) 219.43041 (16011808) 176.37641 (16011808)
200.0 | 342.69078 (16122808) 300.49863 (16122808) 268.70989 (16122024) 244.55181 (16112508) 232.45918 (16112508)
210.0 | 385.76682 (16011324) 337.12325 (16011324) 301.28696 (16011324) 268.07090 (16011324) 254.46406 (16011324)
220.0 | 339.81383 (16123024) 292.95117 (16123024) 258.47016 (16123024) 236.82955 (16123024) 215.11545 (16123024)
230.0 | 340.57221 (16122324) 298.37545 (16122324) 258.41355 (16122324) 232.88831 (16122324) 204.02328 (16122324)
240.0 | 362.67826 (16122708) 317.55976 (16122708) 287.35724 (16122708) 257.50316 (16122708) 225.80392 (16122708)
250.0 | 354.64348 (16013108) 310.71485 (16013108) 275.05501 (16013108) 246.91960b(16030808) 222.92569b(16030808)
260.0 | 331.09869 (16091608) 292.27622 (16021708) 256.36616 (16021708) 227.31862 (16021708) 204.23116 (16081908)
270.0 | 299.15371 (16040408) 263.83573 (16040408) 231.23366 (16040408) 207.64586 (16040408) 188.91952 (16040408)
280.0 | 281.54941 (16011424) 248.32790 (16040408) 221.44348 (16040408) 198.86851 (16022308) 183.40937 (16040408)
290.0 | 309.11672 (16042408) 272.58180 (16042408) 245.20463 (16042408) 216.96200 (16020808) 194.54984 (16020808)
300.0 | 441.53621 (16012124) 389.63044 (16012124) 347.35857 (16012124) 312.85227 (16012124) 285.12253 (16012124)
310.0 | 420.28431c(16012624) 376.16900c(16012624) 336.42702c(16012624) 302.58660 (16013124) 264.78148c(16012624)
320.0 | 397.07913c(16012624) 349.24923c(16012624) 302.08060c(16012624) 274.02922c(16012624) 245.17781c(16012624)
330.0 | 273.20892 (16042708) 242.63586 (16042708) 217.25074 (16042708) 195.79014 (16010108) 175.23875 (16010108)
340.0 | 275.08330 (16092624) 240.83248 (16092624) 211.47812 (16092624) 190.96717 (16092624) 175.54914c(16061108)

350.0 | 300.58680 (16121208) 266.28390 (16121208) 238.16774 (16121208) 214.56413 (16121208) 194.64079 (16121208)
360.0 | 323.22394 (16121208) 288.19678 (16121208) 259.27173 (16121208) 229.18870 (16121724) 207.33234 (16082008)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	197.39440 (16033124)	179.55207 (16033124)	164.45260 (16033124)	151.23636 (16033124)	139.01683 (16033124)
20.0	212.00437 (16121824)	192.84669 (16121824)	177.18528 (16121824)	164.28666 (16121824)	152.52559 (16121824)
30.0	171.48227 (16112924)	154.55370 (16112924)	140.86917 (16112924)	129.89105 (16112924)	121.10256 (16112924)
40.0	200.20636 (16091424)	183.70650 (16091424)	168.84839 (16091424)	153.69033 (16091424)	141.81935 (16091424)
50.0	229.21263 (16091424)	209.23089 (16091424)	191.08723 (16091424)	175.45023 (16091424)	163.86220 (16091424)
60.0	173.26333 (16020124)	151.70682 (16020124)	142.40298 (16020124)	128.76577 (16020124)	118.12523 (16020124)
70.0	250.16112 (16010124)	228.22378 (16010124)	208.69814 (16010124)	191.54459 (16010124)	176.95934 (16010124)
80.0	180.28392 (16120624)	165.21595 (16120624)	149.45961 (16120624)	140.97365 (16120624)	129.57510 (16030124)
90.0	201.34142 (16012924)	184.26847 (16012924)	166.61084 (16012924)	156.03894 (16012924)	140.36113 (16012924)
100.0	188.75024 (16111924)	173.39364 (16111924)	159.91582 (16111924)	147.14220 (16111924)	133.69842 (16111924)
110.0	213.98231 (16021624)	195.65819 (16021624)	179.68183 (16021624)	165.44724 (16021624)	153.12317 (16021624)
120.0	212.22879 (16040424)	193.87927 (16040424)	177.98343 (16040424)	164.48002 (16040424)	151.83137 (16040424)
130.0	252.36504 (16102124)	232.19913 (16102124)	215.17164 (16102124)	201.64903 (16102124)	185.89398 (16102124)
140.0	227.58003 (16011824)	210.36012 (16021724)	193.41918 (16021724)	180.74852 (16031908)	167.08298 (16031908)
150.0	255.32454 (16032124)	225.66551 (16032124)	209.47759 (16032124)	194.80240 (16032124)	182.90745 (16032124)
160.0	212.58551 (16111624)	203.36626 (16111624)	188.94850 (16111624)	176.36232 (16111624)	163.05772 (16111624)
170.0	221.33090c(16011224)	204.52239c(16011224)	189.27300c(16011224)	176.78505c(16011224)	163.72105c(16011224)
180.0	244.98992 (16112108)	222.48234 (16112108)	206.64546 (16112108)	192.43387 (16112108)	178.40327 (16112108)
190.0	161.17709 (16011808)	148.19193 (16011808)	136.92502 (16011808)	141.96263 (16011808)	133.17436 (16011808)
200.0	203.22980 (16012508)	164.82515 (16112508)	152.01408 (16122808)	149.01555 (16012508)	139.32829 (16012508)

210.0	206.47301 (16011324)	189.71168 (16011324)	173.96318 (16011324)	174.74190 (16011324)	160.55172 (16011324)
220.0	208.20222 (16123024)	161.22948 (16123024)	147.83561 (16123024)	136.10481 (16123024)	134.34966 (16123024)
230.0	188.02349 (16122324)	175.15880 (16122324)	159.38678 (16122324)	143.09375 (16122324)	135.17437 (16122324)
240.0	206.27978 (16122708)	187.15444 (16122708)	162.58599 (16122708)	145.40943 (16122708)	144.36888 (16122708)
250.0	204.14496b(16030808)	186.00237b(16030808)	172.37195b(16030808)	155.93426b(16030808)	140.36601b(16030808)
260.0	186.57438 (16081908)	168.12958 (16081908)	153.11242 (16081908)	139.22416 (16081908)	130.30646 (16081908)
270.0	173.47458 (16040408)	157.77679 (16040408)	143.69099 (16040408)	131.29302 (16040408)	120.68218 (16040408)
280.0	165.03271 (16040408)	149.08782 (16022308)	136.93870 (16040408)	127.42350 (16022308)	119.94945 (16022308)
290.0	178.35572 (16042408)	163.45685 (16042408)	148.83762 (16042408)	139.22086 (16020808)	129.51058 (16020808)
300.0	258.54196 (16012124)	236.58498 (16012124)	218.32063 (16012124)	203.08643 (16012124)	191.94926 (16012124)
310.0	245.61922 (16013124)	221.65091 (16013124)	200.52314 (16013124)	185.11942 (16013124)	169.83798 (16013124)
320.0	224.02113c(16012624)	203.32435c(16012624)	185.13240c(16012624)	165.53502c(16012624)	152.96687c(16012624)
330.0	155.81032 (16010108)	139.32193 (16092908)	128.56694 (16010108)	119.73000 (16010108)	109.15771 (16092908)
340.0	156.92264c(16061108)	145.26837c(16061108)	127.79671 (16092624)	118.31376c(16061108)	111.78989c(16061108)
350.0	175.70018 (16121208)	159.18655 (16121208)	145.67457 (16121208)	134.73671 (16121208)	126.01459 (16121208)
360.0	190.55692 (16082008)	174.48954 (16121208)	160.95011 (16121208)	148.90808 (16121208)	138.41257 (16121208)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)
TANK	375.70	118.90	1634.97582	(16040424)	TANK	498.87	129.50	1345.79393	(16102124)
TANK	81.43	359.00	9789.48529	(16020224)	TANK	116.79	44.50	8937.09625	(16021224)
TANK	109.20	67.00	9279.06629	(16010124)	TANK	100.70	93.73	9008.21113	(16062824)
TANK	87.91	103.99	8465.08384	(16100816)	TANK	99.82	123.38	9443.84209	(16052324)
TANK	138.00	141.00	6280.48143	(16032008)	TANK	106.00	180.00	8630.40483	(16102424)
TANK	115.60	206.00	7950.09642	(16122024)	TANK	54.00	270.00	17631.83678	(16011424)
TANK	97.00	326.00	9246.92366	(16010108)	TANK	133.94	242.10	6781.10971	(16112224)
TANK	101.99	301.65	8520.79934	(16020808)	TANK	236.54	274.95	2740.69144	(16040408)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	9062.08152 (16121724)	3895.66985 (16121724)	2322.53595 (16121724)	1582.26386 (16121724)	1123.90717 (16020224)
20.0	8067.41584 (16112924)	3504.01313 (16020224)	2011.26985c(16031024)	1399.08600c(16031024)	1045.54236c(16031024)
30.0	7297.43456c(16071424)	2899.14361 (16112924)	1643.07088 (16010724)	1064.06673 (16010724)	751.16571c(16071424)
40.0	8590.13694 (16091424)	3799.26051 (16091424)	2250.07924 (16091424)	1533.05237 (16091424)	1123.06899 (16091424)
50.0	9181.87513 (16021224)	3702.30438 (16021224)	2081.18963 (16021224)	1370.94939 (16021224)	985.20452 (16031708)
60.0	9045.11928 (16012024)	3477.92661 (16012024)	1890.33502 (16012024)	1274.41200 (16032824)	914.27578 (16032824)
70.0	9233.22820 (16042724)	3980.74681 (16042724)	2356.89477 (16042724)	1590.64357 (16042724)	1145.62322 (16042724)
80.0	8159.31246 (16012024)	3305.29525 (16042724)	1966.57009 (16010124)	1330.60406 (16010124)	977.43905 (16010124)
90.0	8736.88239c(16042624)	3725.85950 (16011524)	2268.30476 (16011524)	1555.68937 (16011524)	1147.35407 (16011524)
100.0	7988.28379 (16012924)	3416.66013 (16021624)	2036.29786 (16021624)	1383.50409 (16021624)	1013.01282 (16021624)
110.0	7242.97432 (16042324)	3130.44100 (16061324)	1799.38335 (16042324)	1197.83709 (16042324)	853.53296 (16042324)
120.0	8777.95781 (16052324)	3637.34204 (16110424)	2053.71301 (16110424)	1353.63981 (16021024)	993.26268 (16042308)
130.0	9748.66572 (16102124)	4495.50987 (16102124)	2732.53207 (16102124)	1860.77980 (16102124)	1340.70036 (16110424)
140.0	8833.61648 (16032124)	3991.71041 (16031908)	2385.41317 (16031908)	1616.06919 (16011724)	1189.65849 (16021724)
150.0	9324.22396 (16121516)	4131.52438 (16032124)	2509.49629 (16032124)	1645.30713 (16111624)	1164.30802 (16111624)
160.0	8207.60644 (16111624)	3349.57031 (16111424)	2038.42572 (16111424)	1361.94831 (16120124)	1008.20979 (16120124)
170.0	8293.84438 (16011116)	3815.08297 (16102424)	2241.25446 (16110408)	1506.13836 (16110408)	1114.18987 (16110408)
180.0	8330.90753 (16022708)	4070.80587 (16112108)	2510.03540 (16112108)	1695.57552 (16040508)	1230.96915 (16040508)
190.0	7552.65093 (16011916)	3246.98389 (16022708)	1928.26132 (16022708)	1292.88451 (16022708)	940.09312 (16022708)
200.0	8328.70977 (16122024)	3791.68106 (16122024)	2200.89956 (16091224)	1480.93448 (16112508)	1090.72322 (16122024)
210.0	9270.46629 (16122124)	4171.84647 (16122024)	2403.59597 (16111724)	1597.93496 (16111724)	1142.25019 (16111724)
220.0	9433.88578 (16112224)	3885.96698 (16112224)	2135.97136 (16122124)	1427.20656 (16122124)	1026.58409 (16122124)
230.0	9253.44318 (16111724)	3864.47285 (16111724)	2139.36458 (16122324)	1425.96624 (16111724)	1017.48939 (16111724)
240.0	8754.52654 (16122324)	3856.31345 (16103024)	2265.87509 (16103024)	1526.39361 (16103024)	1125.89105 (16103024)

250.0 | 8672.45262c(16123124) 3641.34264 (16120324) 2169.70722 (16013108) 1445.31874b(16030808)
1074.53844b(16030808)
260.0 | 7961.59440 (16011424) 3377.37106b(16030808) 1973.36355b(16030808) 1318.12825b(16030808)
971.94787 (16091608)
270.0 | 7920.91869 (16021924) 3326.95144 (16021708) 1883.83698 (16040408) 1277.25583 (16040408)
931.84911 (16040408)
280.0 | 7455.18105 (16040408) 3092.83244 (16020808) 1806.47895 (16092508) 1246.13612 (16092508)
897.96588 (16011424)
290.0 | 6942.40824 (16062624) 2894.75942 (16012124) 1786.89755 (16012124) 1246.15827 (16012124)
915.24193 (16012124)
300.0 | 8538.84491 (16050808) 3715.73886 (16020808) 2157.34362 (16112824) 1480.75641 (16112824)
1092.01579 (16112824)
310.0 | 8093.82258 (16050808) 3356.76424 (16012124) 1980.46888 (16012124) 1309.40750 (16121708)
976.95834 (16121708)
320.0 | 8786.53947 (16010108) 4073.10619 (16010108) 2152.48865 (16013124) 1392.81941 (16010924)
1041.84869 (16010924)
330.0 | 8371.39404 (16010108) 3008.74397 (16010924) 1678.53561 (16032508) 1123.41838 (16032508)
818.97351 (16032508)
340.0 | 6866.21146 (16043016) 3045.76218 (16092624) 1818.94710 (16092624) 1199.62500 (16120424) 873.11985
(16120424)
350.0 | 6354.59278 (16092624) 2782.24021 (16092624) 1725.11691 (16121208) 1211.20942 (16121208) 909.54000
(16121208)
360.0 | 8009.96075 (16121724) 3242.20681 (16121824) 1867.85656 (16121208) 1296.29800 (16121208)
968.49475 (16121208)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 600.00 700.00 800.00 900.00 1000.00

10.0 | 858.26116 (16020224) 675.53349 (16020224) 548.76981 (16020224) 456.41100 (16020224) 388.58579
(16033124)
20.0 | 819.65428c(16031024) 666.66168c(16031024) 554.05227c(16031024) 472.42843c(16031024)
405.39839c(16031024)
30.0 | 576.27998 (16021224) 462.17256 (16021224) 375.19854 (16021224) 316.53266 (16021224) 268.95858
(16021224)
40.0 | 834.19784 (16020124) 669.82465 (16020124) 535.65282 (16020124) 438.23407 (16020124) 363.31326
(16020124)
50.0 | 770.84765 (16031708) 621.25768 (16032824) 508.24023 (16032824) 426.94772 (16032824) 358.69017
(16031708)
60.0 | 716.55640 (16032824) 566.48611 (16032824) 463.57571 (16032824) 382.96144 (16032824) 328.43092
(16010124)
70.0 | 850.13903 (16042724) 704.40706 (16042724) 572.05691 (16042724) 474.15404 (16042724) 412.94791
(16042724)
80.0 | 754.04238 (16042724) 594.90448 (16042724) 481.99324 (16042724) 402.73679 (16042724) 347.55699
(16021124)
90.0 | 873.51173 (16121324) 692.00187 (16121324) 564.72017 (16121324) 466.38314 (16121324) 393.63683
(16121324)
100.0 | 774.86835 (16021624) 610.36126 (16021624) 501.81881 (16021624) 418.56744 (16021624) 358.36037
(16021624)

110.0 | 647.79298 (16042324) 503.36186 (16042324) 412.82669 (16061324) 341.98590c(16122908) 291.13072c(16122908)
120.0 | 761.36187 (16042308) 594.52434 (16042308) 510.14434 (16042308) 436.82976 (16042308) 376.25110 (16042308)
130.0 | 1012.03930 (16110424) 797.39280 (16110424) 642.65559 (16110424) 543.21502 (16030224) 472.92229 (16030224)
140.0 | 923.62273 (16021724) 712.61916 (16011724) 574.23798 (16011724) 481.96232 (16021724) 440.25548 (16031908)
150.0 | 874.75428 (16111624) 695.93012 (16012908) 573.41837 (16012908) 465.88724 (16111624) 398.05370 (16012908)
160.0 | 783.44937 (16120124) 638.37967 (16120124) 532.16180 (16120124) 439.71443 (16120124) 381.32684 (16120124)
170.0 | 868.31643 (16110408) 694.03068 (16110408) 569.70946 (16110408) 506.48458 (16060124) 403.39130 (16060124)
180.0 | 952.45986 (16022708) 767.27229 (16022708) 627.84232 (16022708) 530.27164 (16022708) 449.41304 (16022708)
190.0 | 717.95390 (16022708) 578.68448 (16011808) 476.55996 (16040508) 394.29433 (16040508) 337.41594 (16040508)
200.0 | 840.96762 (16112508) 669.31815 (16112508) 548.43030 (16112508) 456.17093 (16122808) 388.62315 (16122024)
210.0 | 875.07021 (16111724) 712.24081 (16122124) 574.63256 (16102324) 482.79575 (16102324) 407.63091 (16102324)
220.0 | 779.19038 (16122124) 602.09362 (16122124) 526.76734 (16122124) 431.71760 (16122124) 363.69088 (16122124)
230.0 | 783.40815 (16121108) 623.87124 (16121108) 515.20734 (16121108) 435.93099 (16121108) 377.41720 (16121108)
240.0 | 877.58298 (16122708) 700.49358 (16122708) 579.39621c(16123124) 486.06671c(16123124) 412.45209c(16123124)
250.0 | 832.55262b(16030808) 669.05400b(16030808) 551.46394b(16030808) 469.78744b(16030808) 398.46401b(16030808)
260.0 | 750.81569 (16013108) 605.36527 (16013108) 498.50329 (16081908) 423.47441 (16081908) 364.97032 (16081908)
270.0 | 725.76300 (16021924) 580.06159 (16021924) 475.57136 (16021924) 398.95093 (16021924) 337.96954 (16021924)
280.0 | 695.64034 (16011424) 550.46038 (16011424) 455.42180 (16011424) 381.64648 (16040408) 320.90225 (16040408)
290.0 | 714.08143 (16012124) 563.47318 (16012124) 460.48662 (16012124) 391.01762 (16012124) 333.38473 (16012124)
300.0 | 849.14217 (16112824) 684.08984 (16112824) 567.14297 (16112824) 482.22480 (16112824) 415.37102 (16112824)
310.0 | 754.20794 (16121708) 615.08397 (16121708) 504.00862 (16121708) 429.45659 (16121708) 367.64252 (16121708)
320.0 | 808.36963 (16010924) 654.87802 (16010924) 542.92781 (16010924) 460.00873 (16010924) 396.45152 (16010924)
330.0 | 627.93230 (16032508) 503.43400 (16032508) 421.01967 (16042708) 354.71787 (16010924) 298.71978 (16010924)
340.0 | 648.13453 (16120424) 507.64433 (16120424) 405.36221 (16120424) 342.73681c(16061108) 297.49599c(16061108)
350.0 | 707.05524 (16121208) 566.12941 (16121208) 472.70076 (16120424) 398.56620 (16120424) 336.35463 (16120424)
360.0 | 759.23874 (16121208) 617.51840 (16121208) 511.18015 (16121208) 426.81352 (16020224) 360.81532 (16020224)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	339.18613 (16033124)	300.11701 (16033124)	267.86427 (16033124)	239.05685 (16121824)	215.64180 (16121824)
20.0	354.48788c(16031024)	314.03256c(16031024)	281.16843c(16031024)	254.04570c(16031024)	229.68702c(16031024)
30.0	230.45176 (16021224)	202.84049 (16021224)	175.69893 (16021224)	158.32107 (16021224)	142.57448 (16021224)
40.0	328.03716 (16020124)	274.39083 (16020124)	233.92736 (16020124)	211.25756 (16020124)	185.96189 (16020124)
50.0	327.47066 (16031708)	293.28559 (16031708)	263.50688 (16031708)	235.66888 (16031708)	214.94352 (16031708)
60.0	284.45627 (16010124)	249.88191 (16010124)	219.38138 (16032824)	193.14357 (16032824)	175.00348 (16032824)
70.0	360.12640 (16042724)	318.42233 (16042724)	281.02286 (16042724)	249.30910 (16042724)	225.96532 (16042724)
80.0	292.71289 (16021124)	259.85745 (16021124)	233.60274 (16021124)	210.67505 (16021124)	191.00719 (16021124)
90.0	331.76372 (16121324)	287.57188 (16121324)	258.28083 (16121324)	225.60534 (16121324)	202.18605 (16121324)
100.0	310.24132 (16021624)	269.45985 (16021624)	242.03972 (16021624)	210.61134 (16021624)	187.23045 (16021624)
110.0	251.23992 (16061324)	217.45570c(16122908)	193.74996 (16061324)	174.21048 (16061324)	157.89101c(16122908)
120.0	331.94448 (16042308)	282.52269 (16042308)	258.30185 (16042308)	235.73995 (16042308)	209.49094 (16042308)
130.0	414.92861 (16030224)	364.02685 (16030224)	321.41808 (16030224)	287.98438 (16030224)	261.44733 (16030224)
140.0	383.66670 (16021724)	337.89373 (16031908)	299.98119 (16031908)	271.67880 (16031908)	248.71509 (16031908)
150.0	380.20986 (16012908)	333.95572 (16012908)	297.80370 (16012908)	268.79291 (16012908)	253.50957 (16012908)
160.0	322.85268 (16120124)	286.31919 (16120124)	254.04459 (16120124)	230.88042 (16120124)	208.38107 (16120124)
170.0	364.27202 (16060124)	293.42764 (16060124)	262.76275 (16060124)	249.26657 (16060124)	236.35159 (16060124)
180.0	395.61195 (16022708)	341.85221 (16022708)	288.99837 (16022708)	257.37503 (16022708)	247.09572 (16022708)
190.0	296.92745 (16081824)	264.50340 (16081824)	227.15848 (16081824)	209.87074 (16081824)	170.49669 (16022708)
200.0	340.20400 (16122024)	298.83689 (16122024)	268.65533 (16112508)	244.12409 (16012508)	225.84396 (16091224)
210.0	351.35866 (16102324)	305.30743 (16102324)	274.25679 (16102324)	244.51307 (16102324)	233.00113 (16122124)
220.0	311.23722 (16122124)	269.77704 (16122124)	235.80456 (16122124)	215.21427 (16122124)	195.62830 (16122124)
230.0	331.96079 (16121108)	292.65989 (16121108)	252.15464 (16121108)	229.29490 (16121108)	199.25501 (16121108)
240.0	360.74164c(16123124)	313.89397c(16123124)	283.23141c(16123124)	252.72059c(16123124)	221.31345c(16123124)
250.0	347.84361b(16030808)	305.66118b(16030808)	273.81603b(16030808)	244.23638 (16013108)	219.60744 (16013108)
260.0	319.41690 (16081908)	283.18905 (16081908)	252.91290 (16081908)	226.64199 (16081908)	203.09737 (16021708)
270.0	292.43935 (16021924)	256.45768 (16021924)	227.77669 (16021924)	203.08257 (16021924)	184.24844 (16021924)

280.0 | 273.66846 (16040408) 245.26057 (16011424) 217.93970 (16011424) 197.92624 (16040408) 180.89549 (16022308)
290.0 | 290.54935 (16012124) 251.30693 (16012124) 214.58008 (16042208) 194.45447 (16042208) 177.39485 (16042208)
300.0 | 363.99309 (16112824) 320.17638 (16112824) 285.68477 (16112824) 257.97572 (16112824) 237.73749 (16112824)
310.0 | 313.25266 (16121708) 279.69884 (16121708) 246.95585 (16121708) 224.56580 (16121708) 199.35254 (16121708)
320.0 | 346.74240 (16010924) 304.91558 (16010924) 273.32468 (16010924) 244.16568 (16010924) 222.98631 (16010924)
330.0 | 259.22274 (16120108) 230.29620 (16120108) 204.22289 (16120108) 181.95107 (16120108) 164.90312 (16120108)
340.0 | 263.29963c(16061108) 232.19755c(16061108) 207.35138c(16061108) 188.87665c(16061108) 164.64084 (16092624)
350.0 | 291.44314 (16120424) 253.15976 (16120424) 225.18631 (16120424) 203.44581 (16120424) 182.80889 (16120424)
360.0 | 311.98743 (16020224) 273.46282 (16082008) 248.11759 (16082008) 224.40710 (16082008) 204.66233 (16121724)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	197.23869 (16121824)	179.05315 (16121824)	164.02990 (16022224)	150.88980 (16022224)	138.64040 (16022224)
20.0	207.97720c(16031024)	188.35765c(16031024)	172.46063c(16031024)	159.49292c(16031024)	149.70075c(16031024)
30.0	127.80727 (16021224)	115.46265 (16021224)	106.47140 (16021224)	98.35640 (16021224)	89.50330 (16021224)
40.0	165.85322 (16020124)	148.23877 (16020124)	130.00465 (16020124)	118.56041 (16020124)	108.44774 (16020124)
50.0	194.64262 (16031708)	180.83106 (16031708)	165.98711 (16031708)	153.33189 (16031708)	141.30989 (16031708)
60.0	158.16404 (16032824)	142.78438 (16032824)	131.97548 (16032824)	120.85218 (16032824)	108.12814 (16032824)
70.0	204.09116 (16042724)	186.28313 (16042724)	171.15563 (16042724)	158.23364 (16042724)	146.00198 (16042724)
80.0	172.11023 (16021124)	156.02606 (16021124)	144.05797 (16021124)	133.19259 (16021124)	122.33311 (16021124)
90.0	182.44881 (16121324)	167.04013 (16121324)	152.66389 (16121324)	139.75445 (16121324)	128.91294 (16121324)
100.0	171.84006 (16021624)	157.87855 (16021624)	144.24193 (16021624)	133.22580 (16021624)	120.92727 (16021624)
110.0	148.91512c(16122908)	135.35705c(16122908)	124.31814c(16122908)	113.57280c(16122908)	105.27314c(16122908)
120.0	192.90050 (16042308)	178.30922 (16053024)	166.90799 (16053024)	154.56748 (16053024)	144.19863 (16053024)
130.0	238.68294 (16030224)	216.30670 (16030224)	199.77501 (16030224)	188.43683 (16030224)	173.96429 (16030224)

140.0	227.26568 (16031908)	209.07920 (16031908)	192.08184 (16031908)	177.27656 (16021724)	163.59318 (16021724)
150.0	236.03336 (16012908)	209.70990 (16012908)	195.19401 (16012908)	181.96812 (16012908)	171.14947 (16012908)
160.0	183.26222 (16120124)	168.42114 (16120124)	154.46188 (16120124)	145.01852 (16120124)	133.47117 (16120124)
170.0	211.37736 (16060124)	197.21877 (16060124)	184.74103 (16060124)	172.77425 (16060124)	162.71631 (16060124)
180.0	229.32797 (16022708)	208.28315 (16022708)	189.86076 (16022708)	176.82111 (16022708)	166.49046 (16022708)
190.0	156.01295 (16022708)	142.79554 (16040508)	131.34624 (16040508)	133.37129 (16081824)	124.43798 (16081824)
200.0	202.57094 (16112508)	164.56304 (16122024)	151.82324 (16122024)	148.06609 (16112508)	138.11405 (16122024)
210.0	190.31318 (16102324)	172.16450 (16102324)	156.60001 (16102324)	156.69499 (16122124)	145.42996 (16102324)
220.0	186.37371 (16122124)	149.83269 (16122124)	138.31182 (16122124)	125.92292 (16122124)	123.93868 (16122124)
230.0	185.31675 (16121108)	173.38413 (16121108)	158.41977 (16121108)	141.14298 (16121108)	134.54707 (16121108)
240.0	202.57673c(16123124)	183.63612c(16123124)	159.95859c(16123124)	144.38087c(16123124)	141.27339c(16123124)
250.0	200.60001 (16013108)	181.92993 (16013108)	169.95466 (16013108)	151.05203 (16013108)	135.74804 (16013108)
260.0	180.51118 (16021708)	164.87943 (16021708)	149.67594 (16021708)	136.59597 (16021708)	125.57043 (16021708)
270.0	168.35605 (16021924)	152.85896 (16021924)	139.27901 (16021924)	128.44452 (16021924)	116.75416 (16021924)
280.0	163.98084 (16022308)	148.60272 (16040408)	136.67202 (16022308)	124.36201 (16081308)	117.07839 (16081308)
290.0	162.79145 (16042208)	148.09042 (16021508)	137.18737 (16021508)	128.25318 (16021508)	119.38890 (16021508)
300.0	214.92016 (16112824)	196.93830 (16112824)	181.24212 (16112824)	167.59534 (16112824)	156.56969 (16112824)
310.0	185.27580 (16121708)	168.15977 (16121708)	152.82696 (16121708)	140.15747 (16121708)	129.74627 (16121708)
320.0	202.22527 (16010924)	184.76243 (16010924)	171.28413 (16010924)	157.91705 (16010924)	145.27015 (16010924)
330.0	151.14640 (16120108)	139.18874 (16120108)	127.18608 (16120108)	115.65582 (16120108)	108.90007 (16120108)
340.0	149.04562 (16092624)	137.55554 (16092624)	127.35674c(16061108)	113.99141 (16092624)	107.22466 (16092624)
350.0	164.04978 (16120424)	148.37267 (16120424)	136.30185 (16120424)	126.61723 (16120424)	117.38160 (16120424)
360.0	184.84091 (16121724)	165.65057 (16121724)	147.17817 (16121724)	135.76682 (16121724)	126.09846 (16121724)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:01:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC

(YYMMDDHH)

TANK	:	375.70	118.90	1447.72598	(16042308)	TANK	:	498.87	129.50	1331.06992 (16110424)
TANK	:	81.43	359.00	9637.52809	(16082008)	TANK	:	116.79	44.50	8353.92530 (16091424)
TANK	:	109.20	67.00	7877.12551	(16042724)	TANK	:	100.70	93.73	8761.03687 (16121324)
TANK	:	87.91	103.99	8370.29163	(16021624)	TANK	:	99.82	123.38	8835.21771 (16020724)
TANK	:	138.00	141.00	6233.40553	(16031908)	TANK	:	106.00	180.00	7893.43514 (16022708)
TANK	:	115.60	206.00	7750.33510	(16112508)	TANK	:	54.00	270.00	15624.06716 (16052716)
TANK	:	97.00	326.00	9102.02882	(16013124)	TANK	:	133.94	242.10	6290.67764 (16103024)
TANK	:	101.99	301.65	8441.49001	(16050808)	TANK	:	236.54	274.95	2634.20072 (16021924)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF	TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF	TYPE
1.	73574.69753	(16020806)	AT (	-54.00, -0.00)		DP	26.	47075.67912	(16081906)	AT (	-54.00, -0.00)		DP
2.	70722.31693	(16021707)	AT (	-54.00, -0.00)		DP	27.	47056.60362	(16020107)	AT (	-54.00, -0.00)		DP
3.	69396.16636	(16062806)	AT (	-54.00, -0.00)		DP	28.	46892.72592	(16091606)	AT (	-54.00, -0.00)		DP
4.	67714.04682	(16082007)	AT (	-1.42, 81.42)		DP	29.	46059.03853	(16091906)	AT (	-54.00, -0.00)		DP
5.	63474.61321	(16012021)	AT (	-54.00, -0.00)		DP	30.	45927.06877	(16012519)	AT (	100.00, 0.00)		GP
6.	62876.26706	(16082207)	AT (	-54.00, -0.00)		DP	31.	45871.28578	(16052606)	AT (	-54.00, -0.00)		DP
7.	60758.56527	(16013007)	AT (	-54.00, -0.00)		DP	32.	45809.81901	(16082007)	AT (	17.36, 98.48)		GP
8.	60423.44592	(16021706)	AT (	-54.00, -0.00)		DP	33.	45501.24562	(16121907)	AT (	-54.00, -0.00)		DP
9.	57504.90628	(16091907)	AT (	-54.00, -0.00)		DP	34.	45392.19663	(16060206)	AT (	-54.00, -0.00)		DP
10.	54540.96336	(16082007)	AT (	-0.00, 100.00)		GP	35.	45152.10161	(16062406)	AT (	83.35, -54.92)		DP
11.	54531.43268	(16072806)	AT (	-54.00, -0.00)		DP	36.	44831.27706	(16122908)	AT (	98.48, -17.36)		GP
12.	54421.03067	(16090406)	AT (	-54.00, -0.00)		DP	37.	44795.20356	(16081406)	AT (	-54.00, -0.00)		DP
13.	53212.48854	(16121407)	AT (	-54.00, -0.00)		DP	38.	44683.65565	(16092306)	AT (	17.36, -98.48)		GP
14.	53159.62459	(16122908)	AT (	85.30, -21.25)		DP	39.	44643.49269	(16081206)	AT (	-54.00, -0.00)		DP
15.	52993.19970	(16032906)	AT (	-54.00, -0.00)		DP	40.	44629.73716	(16042407)	AT (	-54.00, -0.00)		DP
16.	52904.25182	(16020206)	AT (	-54.00, -0.00)		DP	41.	44481.29346	(16121619)	AT (	-54.00, -0.00)		DP
17.	52123.57603	(16040407)	AT (	-54.00, -0.00)		DP	42.	44443.66509	(16012019)	AT (	100.52, 42.67)		DP
18.	50396.31444	(16040406)	AT (	-54.00, -0.00)		DP	43.	44095.51106	(16013019)	AT (	76.60, -64.28)		GP
19.	50393.11631	(16082107)	AT (	-54.00, -0.00)		DP	44.	43345.47599	(16082720)	AT (	-54.00, -0.00)		DP
20.	50369.42011	(16012519)	AT (	85.30, -21.25)		DP	45.	43311.73234	(16062406)	AT (	76.60, -64.28)		GP
21.	50138.51245	(16020106)	AT (	-54.00, -0.00)		DP	46.	42931.77883	(16081106)	AT (	-54.00, -0.00)		DP
22.	50047.35061	(16020207)	AT (	-54.00, -0.00)		DP	47.	42899.07986	(16012019)	AT (	86.60, 50.00)		GP
23.	49082.48131	(16012019)	AT (	93.97, 34.20)		GP	48.	42625.30498	(16092206)	AT (	-54.00, -0.00)		DP
24.	47944.82275	(16012519)	AT (	100.49, -6.55)		DP	49.	42550.46046	(16013006)	AT (	-54.00, -0.00)		DP
25.	47253.69593	(16012519)	AT (	98.48, -17.36)		GP	50.	42495.39103	(16072420)	AT (	-54.00, -0.00)		DP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	19138.21024	(16021708) AT	(-54.00, -0.00) DP	26.	11948.32745	(16082916) AT	(-54.00, -0.00) DP
2.	17631.83678	(16011424) AT	(-54.00, -0.00) DP	27.	11870.38763	(16122616) AT	(-54.00, -0.00) DP
3.	15624.06716	(16052716) AT	(-54.00, -0.00) DP	28.	11759.79973	(16022308) AT	(-54.00, -0.00) DP
4.	14961.49621	(16013008) AT	(-54.00, -0.00) DP	29.	11752.49410	(16090408) AT	(-54.00, -0.00) DP
5.	14847.95320	(16021924) AT	(-54.00, -0.00) DP	30.	11701.41510m	(16081408) AT	(-54.00, -0.00) DP
6.	14614.49143	(16040408) AT	(-54.00, -0.00) DP	31.	11663.48979c	(16012624) AT	(-64.28, 76.60) GP
7.	14568.50204	(16041916) AT	(-54.00, -0.00) DP	32.	11634.77120	(16081208) AT	(-54.00, -0.00) DP
8.	13725.77556	(16020808) AT	(-54.00, -0.00) DP	33.	11626.26656	(16052724) AT	(-54.00, -0.00) DP
9.	13659.94188	(16020208) AT	(-54.00, -0.00) DP	34.	11605.94756	(16033024) AT	(-54.00, -0.00) DP
10.	13397.31971	(16081908) AT	(-54.00, -0.00) DP	35.	11549.11960	(16091808) AT	(-54.00, -0.00) DP
11.	13214.26585	(16091608) AT	(-54.00, -0.00) DP	36.	11536.63574	(16110816) AT	(-54.00, -0.00) DP
12.	13102.39371	(16021424) AT	(-54.00, -0.00) DP	37.	11452.08019b	(16030808) AT	(-54.00, -0.00) DP
13.	13016.82238	(16121116) AT	(-54.00, -0.00) DP	38.	11448.13060	(16071816) AT	(-54.00, -0.00) DP
14.	12945.49310	(16091908) AT	(-54.00, -0.00) DP	39.	11324.69491	(16011616) AT	(-1.42, 81.42) DP
15.	12832.64194	(16052524) AT	(-54.00, -0.00) DP	40.	11212.73646	(16013124) AT	(-64.28, 76.60) GP
16.	12771.61577	(16020124) AT	(76.60, 64.28) GP	41.	11204.42686c	(16012624) AT	(-54.24, 80.42) DP
17.	12655.03102	(16013124) AT	(-76.60, 64.28) GP	42.	11040.50339	(16112224) AT	(-76.60, -64.28) GP
18.	12481.03468	(16020108) AT	(-54.00, -0.00) DP	43.	10998.85284	(16021916) AT	(-54.00, -0.00) DP
19.	12458.28708	(16122524) AT	(-54.00, -0.00) DP	44.	10992.36568	(16012024) AT	(93.97, 34.20) GP
20.	12278.85534	(16091216) AT	(-54.00, -0.00) DP	45.	10947.28866	(16013108) AT	(-54.00, -0.00) DP
21.	12278.48263	(16060524) AT	(-54.00, -0.00) DP	46.	10841.35904c	(16011224) AT	(34.20, -93.97) GP
22.	12150.12524	(16121624) AT	(-54.00, -0.00) DP	47.	10825.47176	(16081716) AT	(-54.00, -0.00) DP
23.	12134.38598	(16091116) AT	(-54.00, -0.00) DP	48.	10805.37034	(16013124) AT	(-86.82, 53.52) DP
24.	12052.97317	(16121908) AT	(-54.00, -0.00) DP	49.	10775.27180	(16020124) AT	(64.28, 76.60) GP
25.	11972.18030	(16082208) AT	(-54.00, -0.00) DP	50.	10706.91844	(16111724) AT	(-64.28, -76.60) GP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (8784 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	1986.70123 AT (-54.00, -0.00, 7.66, 7.66, 0.00) DP	
	2ND HIGHEST VALUE IS	1387.05630 AT (-76.60, -64.28, 6.80, 6.80, 0.00) GP	POL1
	3RD HIGHEST VALUE IS	1367.86755 AT (-86.60, -50.00, 7.10, 7.10, 0.00) GP	POL1
	4TH HIGHEST VALUE IS	1335.68571 AT (-64.28, -76.60, 6.40, 6.40, 0.00) GP	POL1
	5TH HIGHEST VALUE IS	1245.05349 AT (-93.97, -34.20, 7.30, 7.30, 0.00) GP	POL1
	6TH HIGHEST VALUE IS	1219.88926 AT (-50.00, -86.60, 6.40, 6.40, 0.00) GP	POL1
	7TH HIGHEST VALUE IS	1054.44773 AT (-34.20, -93.97, 6.40, 6.40, 0.00) GP	POL1
	8TH HIGHEST VALUE IS	1043.19361 AT (-98.48, -17.36, 7.50, 7.50, 0.00) GP	POL1
	9TH HIGHEST VALUE IS	958.17155 AT (-50.68, -103.90, 5.94, 5.94, 0.00) DP	

10TH HIGHEST VALUE IS 885.15919 AT (-118.37, -62.67, 7.16, 7.16, 0.00) DP

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
PAGE 53
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	73574.69753	ON 16020806: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 2ND HIGH VALUE IS	70722.31693	ON 16021707: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 3RD HIGH VALUE IS	69396.16636	ON 16062806: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56
PAGE 54
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	19138.21024	ON 16021708: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 2ND HIGH VALUE IS	17631.83678	ON 16011424: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 3RD HIGH VALUE IS	15624.06716	ON 16052716: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:01:56

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 167 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 98 Calm Hours Identified

A Total of 69 Missing Hours Identified (0.79 Percent)

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** AERMOD Finishes Successfully ***
****

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**USEgeneric12017withAERMAPProcessedElevs

CO STARTING
CO TITLEONE USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017
CO MODELOPT DFAULT CONC ELEV
**CO MODELOPT CONC ELEVATED
CO AVERTIME 1 8 PERIOD
CO POLLUTID HCL
CO RUNORNOT RUN
**CO URBANOPT UrbPop (UrbName) (UrbRoughness)
CO URBANOPT 397809
CO FINISHED

SO STARTING
SO LOCATION TANK  AREA  0.0 0.0 0.0
SO URBANSRC ALL
**SO EMISFACT SrcID or SrcRange Qflag Qfact(i), i=1,n  HOUR-OF-Day Specific factor
** HOURLY SPECIFIC EMISSIONS ADJUSTMENT: 1-5 0  6-21 1.0  22 -24 0
SO EMISFACT TANK HROFDY 5*0.0 16*1.0 3*0.0
SO SRCPARAM TANK 1.0 6.096 6.096
SO SRCGROUP ALL
SO FINISHED

RE STARTING

** AERMAP - VERSION 18081                                    12/09/22
**                                                  14:52:07
**  Using USGS_ned_1_N28W083_GRIDFLOAT.TIF
**  With NAD27 Anchor Point
** A total of       1  NED files were used
** A total of     736  receptors were processed
** DOMAINXY  361366.0 3090645.0 17 369209.0 3097023.0 17
** ANCHORXY  0.0      0.0     364725.57  3093695.53  17  0
** Terrain heights were extracted by default

RE ELEVUNIT METERS
  GRIDPOLR POL1 STA
        POL1 ORIG   0.0   0.0
        POL1 DIST   100.   200. 300. 400. 500. 600. 700. 800. 900. 1000. 1100. 1200. 1300. 1400. 1500. 1600. 1700. 1800.
1900. 2000.
        POL1 GDIR   36     10.    10.
  GRIDPOLR POL1     ELEV    1     8.3     9.2     9.0     8.7     8.8     8.1
  GRIDPOLR POL1     ELEV    1     6.9     6.5     8.2     9.2     9.4     9.8
  GRIDPOLR POL1     ELEV    1     9.4     9.8    10.0    10.1     9.8     9.6
  GRIDPOLR POL1     ELEV    1     8.5     7.3
  GRIDPOLR POL1     ELEV    2     8.2     8.7     8.6     8.6     8.4     8.4
  GRIDPOLR POL1     ELEV    2     7.3     6.5     7.1     8.2     9.4     9.6
  GRIDPOLR POL1     ELEV    2     9.1     8.9     8.6     7.9     6.4     6.4
  GRIDPOLR POL1     ELEV    2     6.9     7.3
  GRIDPOLR POL1     ELEV    3     7.8     8.4     8.5     8.5     8.8     8.1
  GRIDPOLR POL1     ELEV    3     7.6     7.3     6.3     6.5     6.3     6.0
  GRIDPOLR POL1     ELEV    3     6.7     6.9     6.1     5.7     5.7     5.5
  GRIDPOLR POL1     ELEV    3     5.1     5.1
  GRIDPOLR POL1     ELEV    4     7.4     7.8     8.1     8.3     8.4     8.6
  GRIDPOLR POL1     ELEV    4     6.4     5.8     5.1     5.4     2.0     2.0
  GRIDPOLR POL1     ELEV    4     2.0     2.0     2.0     2.0     2.0     2.0
  GRIDPOLR POL1     ELEV    4     2.0     2.0
  GRIDPOLR POL1     ELEV    5     7.2     7.6     7.4     6.8     7.8     7.6
  GRIDPOLR POL1     ELEV    5     4.6     3.4     2.0     2.0     5.6     6.2
  GRIDPOLR POL1     ELEV    5     6.3     7.4     8.0     7.1     7.7     7.1
  GRIDPOLR POL1     ELEV    5     6.7     7.3
  GRIDPOLR POL1     ELEV    6     7.2     7.4     6.8     6.0     6.8     4.7
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GRIDPOLR	POL1	ELEV	6	3.8	2.0	2.0	6.2	7.0	5.7
GRIDPOLR	POL1	ELEV	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR	POL1	ELEV	6	7.4	7.9				
GRIDPOLR	POL1	ELEV	7	7.1	7.0	6.4	5.9	7.1	10.0
GRIDPOLR	POL1	ELEV	7	2.6	2.0	10.0	7.7	7.8	7.4
GRIDPOLR	POL1	ELEV	7	7.1	7.0	6.9	9.0	7.1	7.3
GRIDPOLR	POL1	ELEV	7	7.0	8.1				
GRIDPOLR	POL1	ELEV	8	6.8	6.9	5.8	5.4	5.1	3.2
GRIDPOLR	POL1	ELEV	8	2.0	2.0	7.3	8.4	10.1	10.1
GRIDPOLR	POL1	ELEV	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR	POL1	ELEV	8	7.6	8.2				
GRIDPOLR	POL1	ELEV	9	6.6	6.4	5.8	4.8	4.6	4.2
GRIDPOLR	POL1	ELEV	9	2.0	4.8	5.6	6.7	7.7	7.6
GRIDPOLR	POL1	ELEV	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR	POL1	ELEV	9	6.7	7.0				
GRIDPOLR	POL1	ELEV	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR	POL1	ELEV	10	2.0	5.1	4.9	5.6	5.3	5.3
GRIDPOLR	POL1	ELEV	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR	POL1	ELEV	10	7.3	7.9				
GRIDPOLR	POL1	ELEV	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR	POL1	ELEV	11	2.0	6.3	8.7	8.1	5.1	5.4
GRIDPOLR	POL1	ELEV	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR	POL1	ELEV	11	7.0	6.8				
GRIDPOLR	POL1	ELEV	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR	POL1	ELEV	12	2.0	4.5	10.1	8.2	9.3	4.8
GRIDPOLR	POL1	ELEV	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR	POL1	ELEV	12	7.3	7.3				
GRIDPOLR	POL1	ELEV	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR	POL1	ELEV	13	2.0	3.1	7.7	8.0	7.5	5.7
GRIDPOLR	POL1	ELEV	13	4.4	3.8	3.7	4.2	5.1	5.7
GRIDPOLR	POL1	ELEV	13	7.0	6.2				
GRIDPOLR	POL1	ELEV	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR	POL1	ELEV	14	1.2	0.0	0.0	3.3	3.3	3.4
GRIDPOLR	POL1	ELEV	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR	POL1	ELEV	14	5.8	5.4				
GRIDPOLR	POL1	ELEV	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR	POL1	ELEV	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR	POL1	ELEV	15	3.0	3.0	5.6	7.2	4.1	4.6
GRIDPOLR	POL1	ELEV	15	4.9	5.6				
GRIDPOLR	POL1	ELEV	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR	POL1	ELEV	16	5.3	3.8	1.5	2.3	0.0	0.0
GRIDPOLR	POL1	ELEV	16	3.7	5.3	3.8	1.6	3.3	3.6
GRIDPOLR	POL1	ELEV	16	4.4	4.1				
GRIDPOLR	POL1	ELEV	17	6.1	5.0	4.7	3.5	5.0	5.0
GRIDPOLR	POL1	ELEV	17	4.8	4.5	9.4	2.4	3.6	0.0
GRIDPOLR	POL1	ELEV	17	0.0	1.7	3.2	2.3	2.8	3.3
GRIDPOLR	POL1	ELEV	17	3.6	4.1				
GRIDPOLR	POL1	ELEV	18	6.1	5.1	4.7	4.9	4.9	5.1
GRIDPOLR	POL1	ELEV	18	5.0	4.5	4.5	3.3	4.4	2.6
GRIDPOLR	POL1	ELEV	18	0.0	0.0	2.7	3.2	2.7	3.0
GRIDPOLR	POL1	ELEV	18	3.1	3.7				
GRIDPOLR	POL1	ELEV	19	6.3	5.0	4.7	4.8	5.2	5.5
GRIDPOLR	POL1	ELEV	19	5.3	4.8	4.9	4.4	4.7	4.9
GRIDPOLR	POL1	ELEV	19	3.2	4.1	0.2	0.0	0.0	0.0
GRIDPOLR	POL1	ELEV	19	3.4	3.7				
GRIDPOLR	POL1	ELEV	20	6.4	5.0	4.8	4.2	5.0	5.2
GRIDPOLR	POL1	ELEV	20	5.6	5.0	4.4	3.8	3.8	3.4
GRIDPOLR	POL1	ELEV	20	4.1	5.4	12.4	7.3	0.0	0.0
GRIDPOLR	POL1	ELEV	20	2.8	3.0				
GRIDPOLR	POL1	ELEV	21	6.4	4.8	5.3	5.2	4.6	4.9
GRIDPOLR	POL1	ELEV	21	7.3	4.7	4.6	3.2	3.1	2.7
GRIDPOLR	POL1	ELEV	21	2.9	2.6	6.3	0.0	0.0	0.1

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GRIDPOLR POL1    ELEV  21     2.7     3.1
GRIDPOLR POL1    ELEV  22     6.4     5.1     5.6     5.9     5.6     4.9
GRIDPOLR POL1    ELEV  22    16.0    11.8     5.0     4.5     3.4     2.6
GRIDPOLR POL1    ELEV  22     2.3     3.0     3.1     7.9     0.0     0.0
GRIDPOLR POL1    ELEV  22     0.0     1.7
GRIDPOLR POL1    ELEV  23     6.8     6.2     5.8     6.1     5.8     6.6
GRIDPOLR POL1    ELEV  23     5.4     4.9     4.6     4.6     4.7     4.4
GRIDPOLR POL1    ELEV  23     3.0     3.2     2.0     2.4     2.9     2.6
GRIDPOLR POL1    ELEV  23     1.6     2.2
GRIDPOLR POL1    ELEV  24     7.1     6.4     6.4     6.3     6.5     7.4
GRIDPOLR POL1    ELEV  24     6.2     5.9     5.6     5.3     5.2     4.6
GRIDPOLR POL1    ELEV  24     5.1     4.8     3.3     3.3     2.9     1.4
GRIDPOLR POL1    ELEV  24     0.8     2.0
GRIDPOLR POL1    ELEV  25     7.3     7.3     7.1     6.9     8.1     7.5
GRIDPOLR POL1    ELEV  25     7.8     7.7     7.9     6.5     6.2     5.6
GRIDPOLR POL1    ELEV  25     5.5     5.3     4.8     4.7     4.1     4.5
GRIDPOLR POL1    ELEV  25     3.0     1.9
GRIDPOLR POL1    ELEV  26     7.5     7.9     7.7     8.4     8.2     8.4
GRIDPOLR POL1    ELEV  26     8.4     8.3     8.6     8.3     8.1     7.9
GRIDPOLR POL1    ELEV  26     7.6     7.1     6.7     6.6     5.6     4.9
GRIDPOLR POL1    ELEV  26     4.0     4.5
GRIDPOLR POL1    ELEV  27     7.8     8.3     8.4     8.5     8.2     9.1
GRIDPOLR POL1    ELEV  27     8.4     8.6     7.9     6.7     6.9     6.6
GRIDPOLR POL1    ELEV  27     6.8     7.0     7.0     7.1     6.6     6.0
GRIDPOLR POL1    ELEV  27     6.2     6.4
GRIDPOLR POL1    ELEV  28     8.2     8.8     9.3     8.2     8.5     8.3
GRIDPOLR POL1    ELEV  28     8.3     7.7     6.9     6.9     6.0     7.3
GRIDPOLR POL1    ELEV  28     8.6     9.5    11.1    10.0     8.8     8.6
GRIDPOLR POL1    ELEV  28     8.9     9.6
GRIDPOLR POL1    ELEV  29     8.3     9.1     9.0     8.4     8.7     8.0
GRIDPOLR POL1    ELEV  29     7.8     7.5     7.3     7.3     8.5     8.6
GRIDPOLR POL1    ELEV  29     9.5     9.6     9.7    10.1    10.3    10.5
GRIDPOLR POL1    ELEV  29    11.3    11.1
GRIDPOLR POL1    ELEV  30     8.6     8.6     8.9     8.5     8.3     8.1
GRIDPOLR POL1    ELEV  30     7.6     7.4     7.8     8.4     9.7     8.8
GRIDPOLR POL1    ELEV  30     8.6     8.7    10.3     9.0     8.8     8.6
GRIDPOLR POL1    ELEV  30     8.7    10.1
GRIDPOLR POL1    ELEV  31     8.9     9.4     8.7     8.7     8.1     7.7
GRIDPOLR POL1    ELEV  31     8.0     8.2     8.8     8.0     8.3     9.1
GRIDPOLR POL1    ELEV  31    10.7    11.3     8.2     9.6     9.1     9.3
GRIDPOLR POL1    ELEV  31     7.9     7.9
GRIDPOLR POL1    ELEV  32     8.5     8.9     9.0     8.7     8.0     8.1
GRIDPOLR POL1    ELEV  32     8.5     9.2     9.7     8.6     8.4    10.4
GRIDPOLR POL1    ELEV  32    11.0    11.5    11.9    10.2     9.3    11.6
GRIDPOLR POL1    ELEV  32     8.9     8.7
GRIDPOLR POL1    ELEV  33     8.5     8.6     9.0     8.8     8.4     8.2
GRIDPOLR POL1    ELEV  33     8.2     9.9    10.9    11.0    12.7    11.4
GRIDPOLR POL1    ELEV  33    10.9    11.7    11.7    11.5    11.9     9.8
GRIDPOLR POL1    ELEV  33     8.0     9.0
GRIDPOLR POL1    ELEV  34     8.5     8.8     8.7     8.8     7.6     7.8
GRIDPOLR POL1    ELEV  34     7.4     9.4    10.8    10.8    11.3    10.7
GRIDPOLR POL1    ELEV  34    10.4    10.9    12.3    10.6    10.9     8.0
GRIDPOLR POL1    ELEV  34     8.0     8.6
GRIDPOLR POL1    ELEV  35     8.6     9.0     9.0     8.7     7.9     7.5
GRIDPOLR POL1    ELEV  35     7.6     8.5     9.8    10.0     9.8    10.2
GRIDPOLR POL1    ELEV  35     9.9     9.7     9.7    10.9    10.6    10.8
GRIDPOLR POL1    ELEV  35    10.7    11.0
GRIDPOLR POL1    ELEV  36     8.3     9.1     8.7     8.7     8.2     7.2
GRIDPOLR POL1    ELEV  36     7.1     8.4     9.4     9.4     8.2     8.5
GRIDPOLR POL1    ELEV  36     9.2     9.3    10.2    10.5    10.7    10.8
GRIDPOLR POL1    ELEV  36    10.2     9.8
GRIDPOLR POL1    HILL  1     8.3     9.2     9.0     8.7     8.8     8.1
```

GRIDPOLR	POL1	HILL	1	6.9	6.5	8.2	9.2	9.4	9.8
GRIDPOLR	POL1	HILL	1	9.4	9.8	10.0	10.1	9.8	9.6
GRIDPOLR	POL1	HILL	1	8.5	7.3				
GRIDPOLR	POL1	HILL	2	8.2	9.5	8.6	8.6	8.4	8.4
GRIDPOLR	POL1	HILL	2	7.3	6.5	7.1	8.2	9.4	9.6
GRIDPOLR	POL1	HILL	2	9.1	8.9	8.6	7.9	6.4	6.4
GRIDPOLR	POL1	HILL	2	6.9	7.3				
GRIDPOLR	POL1	HILL	3	7.8	8.4	8.5	8.5	8.8	8.1
GRIDPOLR	POL1	HILL	3	7.6	7.3	6.3	6.5	6.3	6.0
GRIDPOLR	POL1	HILL	3	6.7	6.9	6.1	5.7	5.7	5.5
GRIDPOLR	POL1	HILL	3	5.1	5.1				
GRIDPOLR	POL1	HILL	4	7.4	7.8	8.1	8.3	8.4	8.6
GRIDPOLR	POL1	HILL	4	6.4	5.8	5.1	6.2	2.0	2.0
GRIDPOLR	POL1	HILL	4	2.0	2.0	2.0	2.0	2.0	2.0
GRIDPOLR	POL1	HILL	4	2.0	5.1				
GRIDPOLR	POL1	HILL	5	7.2	7.6	7.4	6.8	7.8	7.6
GRIDPOLR	POL1	HILL	5	4.6	3.4	2.0	2.0	5.6	6.2
GRIDPOLR	POL1	HILL	5	6.3	7.4	8.0	7.1	7.7	7.1
GRIDPOLR	POL1	HILL	5	7.9	7.3				
GRIDPOLR	POL1	HILL	6	7.2	7.4	6.8	6.0	6.8	12.5
GRIDPOLR	POL1	HILL	6	7.1	2.0	6.5	6.2	7.0	5.7
GRIDPOLR	POL1	HILL	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR	POL1	HILL	6	7.4	7.9				
GRIDPOLR	POL1	HILL	7	7.1	7.0	6.4	5.9	11.6	11.2
GRIDPOLR	POL1	HILL	7	5.0	2.0	10.0	7.7	7.8	7.4
GRIDPOLR	POL1	HILL	7	7.1	7.0	15.1	16.4	7.1	7.3
GRIDPOLR	POL1	HILL	7	7.0	8.1				
GRIDPOLR	POL1	HILL	8	6.8	6.9	5.8	5.4	5.1	4.1
GRIDPOLR	POL1	HILL	8	2.0	9.3	7.3	8.4	10.1	10.1
GRIDPOLR	POL1	HILL	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR	POL1	HILL	8	7.6	8.2				
GRIDPOLR	POL1	HILL	9	6.6	6.4	5.8	4.8	5.2	4.2
GRIDPOLR	POL1	HILL	9	2.0	5.9	5.6	6.7	7.7	7.6
GRIDPOLR	POL1	HILL	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR	POL1	HILL	9	6.7	7.0				
GRIDPOLR	POL1	HILL	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR	POL1	HILL	10	2.0	7.8	7.1	5.6	5.3	5.3
GRIDPOLR	POL1	HILL	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR	POL1	HILL	10	7.3	7.9				
GRIDPOLR	POL1	HILL	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR	POL1	HILL	11	2.0	9.5	8.7	8.1	5.1	5.4
GRIDPOLR	POL1	HILL	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR	POL1	HILL	11	7.0	6.8				
GRIDPOLR	POL1	HILL	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR	POL1	HILL	12	2.0	8.8	10.1	14.4	15.9	15.9
GRIDPOLR	POL1	HILL	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR	POL1	HILL	12	7.3	7.3				
GRIDPOLR	POL1	HILL	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR	POL1	HILL	13	4.0	3.8	7.7	8.0	8.3	13.2
GRIDPOLR	POL1	HILL	13	6.7	3.8	3.7	4.2	5.1	5.7
GRIDPOLR	POL1	HILL	13	7.0	6.2				
GRIDPOLR	POL1	HILL	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR	POL1	HILL	14	3.1	0.0	0.0	3.3	3.3	3.4
GRIDPOLR	POL1	HILL	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR	POL1	HILL	14	5.8	5.4				
GRIDPOLR	POL1	HILL	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR	POL1	HILL	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR	POL1	HILL	15	3.0	3.0	9.8	7.2	4.1	4.6
GRIDPOLR	POL1	HILL	15	4.9	5.6				
GRIDPOLR	POL1	HILL	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR	POL1	HILL	16	12.0	13.1	13.1	2.9	0.0	0.0
GRIDPOLR	POL1	HILL	16	3.7	5.3	3.8	3.1	3.3	3.6

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GRIDPOLR POL1    HILL  16    4.4    4.1
GRIDPOLR POL1    HILL  17    6.1    5.0    4.7    3.5    5.0    5.0
GRIDPOLR POL1    HILL  17    4.8   13.1    9.4    2.4    3.6    4.1
GRIDPOLR POL1    HILL  17    0.0    1.7    3.2    2.3    2.8    3.3
GRIDPOLR POL1    HILL  17    3.6    4.1
GRIDPOLR POL1    HILL  18    6.1    5.1    4.7    4.9    4.9    5.1
GRIDPOLR POL1    HILL  18    5.0    4.5    4.5    3.3    4.4    2.6
GRIDPOLR POL1    HILL  18    0.0    0.0    2.7    3.2    2.7    3.0
GRIDPOLR POL1    HILL  18    3.1    3.7
GRIDPOLR POL1    HILL  19    6.3    5.0    4.7    4.8    5.2    5.5
GRIDPOLR POL1    HILL  19    5.3    4.8    4.9    4.4    4.7    4.9
GRIDPOLR POL1    HILL  19   12.5   13.3   13.6   13.6    0.0    0.0
GRIDPOLR POL1    HILL  19    3.4    3.7
GRIDPOLR POL1    HILL  20    6.4    5.0    4.8    4.2    5.0    5.2
GRIDPOLR POL1    HILL  20    5.6    5.0    4.4    3.8    3.8    3.4
GRIDPOLR POL1    HILL  20    4.1   14.1   12.4   12.9   12.9    0.0
GRIDPOLR POL1    HILL  20    2.8    3.0
GRIDPOLR POL1    HILL  21    6.4    4.8    5.3    5.2    4.6   16.4
GRIDPOLR POL1    HILL  21   16.9   16.5    4.6    3.2    3.1    2.7
GRIDPOLR POL1    HILL  21    2.9    4.3   10.8   11.0    0.0    2.4
GRIDPOLR POL1    HILL  21    2.7    3.1
GRIDPOLR POL1    HILL  22    6.4    5.1    5.6    5.9    5.6   16.8
GRIDPOLR POL1    HILL  22   16.0   16.7   16.1    4.5    3.4    2.6
GRIDPOLR POL1    HILL  22    2.3    3.0    9.4    9.2    9.1    0.0
GRIDPOLR POL1    HILL  22    0.0    1.7
GRIDPOLR POL1    HILL  23    6.8    6.2    5.8    6.1    5.8    6.6
GRIDPOLR POL1    HILL  23   16.8   16.8   16.4    4.6    4.7    4.4
GRIDPOLR POL1    HILL  23    3.0    3.2    2.0    2.4    2.9    2.6
GRIDPOLR POL1    HILL  23    1.6    9.6
GRIDPOLR POL1    HILL  24    7.1    6.4    6.4    6.3    6.5    7.4
GRIDPOLR POL1    HILL  24    6.2    5.9    5.6    5.3    5.2    4.6
GRIDPOLR POL1    HILL  24    5.1    4.8    3.3    3.3    2.9    1.4
GRIDPOLR POL1    HILL  24    0.8    2.0
GRIDPOLR POL1    HILL  25    7.3    7.3    7.1    6.9    8.1    7.5
GRIDPOLR POL1    HILL  25    7.8    7.7    7.9    7.6    6.2    5.6
GRIDPOLR POL1    HILL  25    5.9    5.3    4.8    4.7    4.1    4.5
GRIDPOLR POL1    HILL  25    3.0    1.9
GRIDPOLR POL1    HILL  26    7.5    7.9    7.7    8.4    8.2    8.4
GRIDPOLR POL1    HILL  26    8.4    8.3    8.6    8.3    8.1    7.9
GRIDPOLR POL1    HILL  26    7.6    7.1    6.7    6.6    5.6    4.9
GRIDPOLR POL1    HILL  26    4.0    4.5
GRIDPOLR POL1    HILL  27    7.8    8.3    8.4    8.5    8.2    9.1
GRIDPOLR POL1    HILL  27    8.4    8.6    7.9    6.7    6.9    6.6
GRIDPOLR POL1    HILL  27    6.8    7.0    7.0    7.1    6.6   12.2
GRIDPOLR POL1    HILL  27   14.2   14.2
GRIDPOLR POL1    HILL  28    8.2    8.8    9.3    9.3    8.5    8.3
GRIDPOLR POL1    HILL  28    8.3    7.7    6.9    6.9    6.0    7.3
GRIDPOLR POL1    HILL  28    8.6    9.5   11.1   10.0    8.8    8.6
GRIDPOLR POL1    HILL  28    8.9    9.6
GRIDPOLR POL1    HILL  29    8.3    9.1    9.0    8.4    8.7    8.0
GRIDPOLR POL1    HILL  29    7.8    7.5    7.3    7.3    8.5    8.6
GRIDPOLR POL1    HILL  29    9.5    9.6    9.7   10.1   10.3   10.5
GRIDPOLR POL1    HILL  29   11.3   11.1
GRIDPOLR POL1    HILL  30    8.6    8.6    8.9    8.5    8.3    8.1
GRIDPOLR POL1    HILL  30    7.6    7.4    7.8    8.4    9.7    8.8
GRIDPOLR POL1    HILL  30    8.6    8.7   10.3    9.0    8.8    8.6
GRIDPOLR POL1    HILL  30    9.5   10.1
GRIDPOLR POL1    HILL  31    8.9    9.4    8.7    8.7    8.1    7.7
GRIDPOLR POL1    HILL  31    8.0    8.2    8.8    8.0    8.3    9.1
GRIDPOLR POL1    HILL  31   14.9   15.4    8.2    9.6    9.1    9.3
GRIDPOLR POL1    HILL  31    7.9    7.9
GRIDPOLR POL1    HILL  32    8.5    8.9    9.0    8.8    8.0    8.1
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  GRIDPOLR POL1     HILL  32     8.5     9.2     9.7     8.6     8.4    10.4
  GRIDPOLR POL1     HILL  32    11.0    11.5    11.9    10.2     9.3    11.6
  GRIDPOLR POL1     HILL  32     8.9     8.7
  GRIDPOLR POL1     HILL  33     8.5     8.6     9.0     8.8     8.4     8.2
  GRIDPOLR POL1     HILL  33     8.2     9.9    10.9    11.0    12.7    11.4
  GRIDPOLR POL1     HILL  33    10.9    11.7    11.7    11.5    11.9     9.8
  GRIDPOLR POL1     HILL  33     8.0     9.0
  GRIDPOLR POL1     HILL  34     8.5     8.8     8.7     8.8     7.6     7.8
  GRIDPOLR POL1     HILL  34     7.4     9.4    10.8    10.8    11.3    10.7
  GRIDPOLR POL1     HILL  34    10.4    10.9    12.3    16.6    10.9     8.0
  GRIDPOLR POL1     HILL  34     8.0     8.6
  GRIDPOLR POL1     HILL  35     8.6     9.0     9.0     8.7     7.9     7.5
  GRIDPOLR POL1     HILL  35     7.6     8.5     9.8    10.0     9.8    10.2
  GRIDPOLR POL1     HILL  35     9.9     9.7     9.7    10.9    10.6    10.8
  GRIDPOLR POL1     HILL  35    10.7    11.0
  GRIDPOLR POL1     HILL  36     8.3     9.1     8.7     8.7     8.2     7.2
  GRIDPOLR POL1     HILL  36     7.1     8.4     9.4     9.4     8.2     8.5
  GRIDPOLR POL1     HILL  36     9.2     9.3    10.2    10.5    10.7    10.8
  GRIDPOLR POL1     HILL  36    10.2    11.9
  GRIDPOLR POL1 END
  DISCPOLR TANK          375.70    118.90     4.13     4.13
  DISCPOLR TANK          498.87    129.50     4.28     4.28
  DISCPOLR TANK           81.43    359.00     8.22     8.22
  DISCPOLR TANK          116.79     44.50     7.45     7.45
  DISCPOLR TANK          109.20     67.00     7.18     7.18
  DISCPOLR TANK          100.70     93.73     6.54     6.54
  DISCPOLR TANK           87.91    103.99     6.86     6.86
  DISCPOLR TANK           99.82    123.38     6.79     6.79
  DISCPOLR TANK          138.00    141.00     5.94     5.94
  DISCPOLR TANK          106.00    180.00     5.90     5.90
  DISCPOLR TANK          115.60    206.00     5.94     5.94
  DISCPOLR TANK           54.00    270.00     7.66     7.66
  DISCPOLR TANK           97.00    326.00     8.52     8.52
  DISCPOLR TANK          133.94    242.10     7.16     7.16
  DISCPOLR TANK          101.99    301.65     8.70     8.70
  DISCPOLR TANK          236.54    274.95     8.35     8.35

RE FINISHED

ME STARTING
  SURFFILE  TPA2017_V19191.sfc
  PROFFILE  TPA2017_V19191.pfl
  SURFDATA  12842  2017
  UAIRDATA 12842  2017
  SITEDATA  12842  2017
  PROFBASE  0.0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  ALLAVE  FIRST-THIRD
OU MAXTABLE  ALLAVE  50
OU SUMMFILE USECOLO1.SUM
OU FINISHED


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

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

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

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** SETUP Finishes Successfully ***
****

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 1
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 397809.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: HCL

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 736 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 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 19191

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE 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) = 0.00 ; 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: GenericUSE1GramWithElevs2017f.inp
**Output Print File: GenericUSE1GramWithElevs2017f.out

**File for Summary of Results: USECOLO1.SUM
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TANK	0	0.10000E+01	0.0	0.0	0.0	6.10	6.10	6.10	0.00	0.00	YES	HROFDY

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 3
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TANK ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs
	397809.	TANK ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = TANK ; SOURCE TYPE = AREA :

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***
X-ORIG = 0.00 ; Y-ORIG = 0.00 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

100.0, 200.0, 300.0, 400.0, 500.0, 600.0, 700.0, 800.0, 900.0, 1000.0,
1100.0, 1200.0, 1300.0, 1400.0, 1500.0, 1600.0, 1700.0, 1800.0, 1900.0, 2000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	8.70	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	4.70	3.80	2.00	2.00
70.00	7.10	7.00	6.40	5.90	7.10	10.00	2.60	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	3.20	2.00	2.00	7.30
90.00	6.60	6.40	5.80	4.80	4.60	4.20	2.00	4.80	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	5.10	4.90
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	6.30	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	4.50	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	2.00	3.10	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	1.20	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	5.30	3.80	1.50
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	4.50	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	4.90	7.30	4.70	4.60
220.00	6.40	5.10	5.60	5.90	5.60	4.90	16.00	11.80	5.00
230.00	6.80	6.20	5.80	6.10	5.80	6.60	5.40	4.90	4.60
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60
250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	8.20	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.70	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00

10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	5.40	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	6.90	9.00	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	8.20	9.30	4.80	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	7.50	5.70	4.40	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	5.60	7.20	4.10	4.60
160.00	2.30	0.00	0.00	3.70	5.30	3.80	1.60	3.30	3.60
170.00	2.40	3.60	0.00	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	3.20	4.10	0.20	0.00	0.00	0.00
200.00	3.80	3.80	3.40	4.10	5.40	12.40	7.30	0.00	0.00
210.00	3.20	3.10	2.70	2.90	2.60	6.30	0.00	0.00	0.10
220.00	4.50	3.40	2.60	2.30	3.00	3.10	7.90	0.00	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	6.50	6.20	5.60	5.50	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	6.00
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	10.70	11.30	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	10.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	2.00
50.00	6.70	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30

130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	2.20
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	6.20	6.40
280.00	8.90	9.60
290.00	11.30	11.10
300.00	8.70	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	9.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	9.50	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	12.50	7.10	2.00	6.50
70.00	7.10	7.00	6.40	5.90	11.60	11.20	5.00	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	4.10	2.00	9.30	7.30
90.00	6.60	6.40	5.80	4.80	5.20	4.20	2.00	5.90	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	7.80	7.10
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	9.50	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	8.80	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	4.00	3.80	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	3.10	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	12.00	13.10	13.10
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	13.10	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	16.40	16.90	16.50	4.60
220.00	6.40	5.10	5.60	5.90	5.60	16.80	16.00	16.70	16.10
230.00	6.80	6.20	5.80	6.10	5.80	6.60	16.80	16.80	16.40
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60

250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	9.30	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.80	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	6.20	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	15.10	16.40	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	14.40	15.90	15.90	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	8.30	13.20	6.70	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	9.80	7.20	4.10	4.60
160.00	2.90	0.00	0.00	3.70	5.30	3.80	3.10	3.30	3.60
170.00	2.40	3.60	4.10	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	12.50	13.30	13.60	13.60	0.00	0.00
200.00	3.80	3.80	3.40	4.10	14.10	12.40	12.90	12.90	0.00
210.00	3.20	3.10	2.70	2.90	4.30	10.80	11.00	0.00	2.40
220.00	4.50	3.40	2.60	2.30	3.00	9.40	9.20	9.10	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	7.60	6.20	5.60	5.90	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	12.20
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	14.90	15.40	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	16.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	5.10
50.00	7.90	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30
130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	9.60
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	14.20	14.20
280.00	8.90	9.60
290.00	11.30	11.10
300.00	9.50	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	11.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZHILL, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS,METERS)

TANK : (375.7, 118.9, 4.1, 4.1, 0.0); TANK : (498.9, 129.5, 4.3, 4.3, 0.0);
TANK : (81.4, 359.0, 8.2, 8.2, 0.0); TANK : (116.8, 44.5, 7.5, 7.5, 0.0);

```
 TANK       : (    109.2,    67.0,     7.2,     7.2,     0.0);  TANK       : (    100.7,    93.7,     6.5,     6.5,     0.0);
 TANK       : (     87.9,   104.0,     6.9,     6.9,     0.0);  TANK       : (     99.8,   123.4,     6.8,     6.8,     0.0);
 TANK       : (    138.0,   141.0,     5.9,     5.9,     0.0);  TANK       : (    106.0,   180.0,     5.9,     5.9,     0.0);
 TANK       : (    115.6,   206.0,     5.9,     5.9,     0.0);  TANK       : (     54.0,   270.0,     7.7,     7.7,     0.0);
 TANK       : (     97.0,   326.0,     8.5,     8.5,     0.0);  TANK       : (    133.9,   242.1,     7.2,     7.2,     0.0);
 TANK       : (    102.0,   301.6,     8.7,     8.7,     0.0);  TANK       : (    236.5,   274.9,     8.4,     8.4,     0.0);
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017              ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                                       ***        15:08:15
                                                                                                            PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

          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  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017              ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                                       ***        15:08:15
                                                                                                            PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

  Surface file:   TPA2017_V19191.sfc                                              Met Version:  19191
  Profile file:   TPA2017_V19191.pfl
  Surface format: FREE
  Profile format: FREE
  Surface station no.:    12842              Upper air station no.:    12842
            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   -5.9  0.101 -9.000 -9.000 -999.  77.     16.0  0.15   0.49   1.00    1.09  102.    7.9  288.8    2.0
 17 01 01   1 02   -8.0  0.119 -9.000 -9.000 -999.  98.     19.2  0.17   0.49   1.00    1.23   81.    7.9  289.2    2.0
 17 01 01   1 03   -7.6  0.116 -9.000 -9.000 -999.  95.     18.6  0.17   0.49   1.00    1.20   60.    7.9  288.8    2.0
 17 01 01   1 04  -19.6  0.199 -9.000 -9.000 -999.  213.    43.5  0.15   0.49   1.00    2.05  105.    7.9  289.2    2.0
 17 01 01   1 05  -18.4  0.186 -9.000 -9.000 -999.  193.    38.2  0.15   0.49   1.00    1.93  105.    7.9  289.2    2.0
 17 01 01   1 06  -13.6  0.157 -9.000 -9.000 -999.  149.    27.0  0.15   0.49   1.00    1.64  106.    7.9  289.9    2.0
 17 01 01   1 07  -19.6  0.199 -9.000 -9.000 -999.  213.    43.5  0.15   0.49   1.00    2.05  107.    7.9  290.4    2.0
 17 01 01   1 08  -18.2  0.187 -9.000 -9.000 -999.  193.    38.3  0.15   0.49   0.70    1.93  101.    7.9  290.9    2.0
 17 01 01   1 09   13.8  0.298  0.271  0.005   53.  391.  -175.6  0.15   0.49   0.33    2.84  110.    7.9  292.5    2.0
```

```
17 01 01   1 10   54.3  0.461  0.534  0.005  102.  750.   -163.9  0.15   0.49   0.21    4.42  137.    7.9  294.9    2.0
17 01 01   1 11   82.4  0.511  0.788  0.008  216.  875.   -147.2  0.15   0.49   0.18    4.88  140.    7.9  296.4    2.0
17 01 01   1 12  105.9  0.431  1.200  0.005  596.  685.    -68.9  0.13   0.49   0.17    4.08  152.    7.9  298.1    2.0
17 01 01   1 13   92.6  0.470  1.270  0.005  805.  772.   -101.9  0.13   0.49   0.16    4.54  175.    7.9  299.9    2.0
17 01 01   1 14  103.9  0.380  1.471  0.013 1114.  568.    -48.0  0.05   0.49   0.17    4.41  201.    7.9  299.9    2.0
17 01 01   1 15   86.8  0.312  1.467  0.016 1324.  421.    -31.8  0.04   0.49   0.18    3.78  224.    7.9  299.2    2.0
17 01 01   1 16   60.2  0.274  1.300  0.016 1326.  346.    -31.2  0.05   0.49   0.21    3.10  204.    7.9  299.2    2.0
17 01 01   1 17   20.9  0.259  0.913  0.016 1327.  317.    -75.7  0.05   0.49   0.31    3.08  194.    7.9  298.1    2.0
17 01 01   1 18  -16.3  0.182 -9.000 -9.000 -999.  188.     36.3  0.04   0.49   0.63    2.59  212.    7.9  295.4    2.0
17 01 01   1 19   -9.2  0.123 -9.000 -9.000 -999.  104.     18.3  0.05   0.49   1.00    1.69  204.    7.9  295.9    2.0
17 01 01   1 20  -17.1  0.177 -9.000 -9.000 -999.  179.     34.5  0.05   0.49   1.00    2.38  182.    7.9  295.4    2.0
17 01 01   1 21  -20.0  0.207 -9.000 -9.000 -999.  225.     47.0  0.13   0.49   1.00    2.21  157.    7.9  295.4    2.0
17 01 01   1 22  -21.9  0.227 -9.000 -9.000 -999.  259.     56.6  0.15   0.49   1.00    2.35  144.    7.9  295.4    2.0
17 01 01   1 23  -15.9  0.170 -9.000 -9.000 -999.  169.     31.8  0.15   0.49   1.00    1.79  120.    7.9  294.9    2.0
17 01 01   1 24  -11.3  0.142 -9.000 -9.000 -999.  129.     23.3  0.15   0.49   1.00    1.50  112.    7.9  294.9    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 17 01 01 01    7.9 1  102.    1.09   288.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017            ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                    ***       15:08:15
                                                                                    PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE PERIOD (  8760 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL
***
                          INCLUDING SOURCE(S):     TANK       ,

                          *** NETWORK ID: POL1     ;  NETWORK TYPE: GRIDPOLR ***

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

  DIRECTION |                                    DISTANCE (METERS)
  (DEGREES) |      100.00      200.00      300.00      400.00      500.00      600.00      700.00      800.00      900.00
 ---------------------------------------------------------------------------------------------------------------------

      10.00 |   674.19345   219.43027   110.75207    67.72223    45.80952    33.56788    25.91142    20.49007    16.43464
      20.00 |   658.59291   204.52472    98.60520    58.04446    38.46281    27.39026    20.83520    16.37956    13.04854
      30.00 |   670.41522   201.56715    95.32599    55.68615    36.42843    26.14745    19.66937    15.34805    12.41499
      40.00 |   753.88396   227.09651   107.46374    63.04386    41.76906    29.83927    23.03854    18.09271
 14.66912
      50.00 |   842.30866   251.58678   119.40228    70.44599    45.74062    32.65893    25.21026    19.76211    15.95420
      60.00 |   870.57131   259.13870   122.35075    71.50166    46.12248    33.24138    24.87649    19.47172
 15.51232
      70.00 |   831.60475   249.66488   117.23053    67.80739    43.35225    29.41605    23.49921    18.12966    13.50421
      80.00 |   749.15191   227.19367   108.41166    62.82351    40.97988    29.25140    21.81103    16.81832    12.93073
      90.00 |   653.78863   204.62293    98.09880    57.80089    37.86355    26.73707    20.28872    15.27969    12.08695
     100.00 |   596.77356   196.97180    96.63372    58.06910    39.20241    27.71032    21.23199    15.98170
 12.84341
     110.00 |   614.57132   214.32893   110.45527    69.21942    46.75042    33.89629    26.23988    19.86481
 15.73277
     120.00 |   684.53151   257.79644   139.19480    88.45329    61.03877    45.16913    35.07826    27.46492
 21.24799
     130.00 |   759.88749   295.50592   165.47826   106.97077    74.94212    55.76841    43.73083    34.84482
 27.90461
     140.00 |   770.23449   306.13456   172.59977   112.20153    79.62856    59.11236    46.67284    37.42276
 30.72535
     150.00 |   732.31435   291.76901   163.19232   104.47955    73.60782    55.29848    43.13157    34.70975
```

28.83360
160.00 | 699.71870 274.16708 152.99335 96.40847 66.59765 49.53449 38.34877 31.21070
26.16563
170.00 | 699.55725 271.00067 146.16569 94.32103 63.93359 47.24146 36.71096 29.44117
22.80284
180.00 | 728.52172 269.24525 141.83762 87.68010 60.30312 44.14508 34.14541 27.30455
22.30943
190.00 | 813.05903 294.96926 151.66964 92.57595 62.44047 45.12832 34.59309 27.48467
22.31294
200.00 | 957.82521 348.96956 180.56946 112.14697 76.03148 55.64865 42.51856 33.95570
27.81624
210.00 | 1102.54677 402.02944 206.71699 128.60981 88.90904 65.45269 50.04372 40.38929
33.19885
220.00 | 1217.34243 438.12090 224.45509 138.70664 95.52057 70.43147 48.90795 41.56599
35.45607
230.00 | 1287.38608 461.80652 241.48188 149.39757 102.86275 75.22853 58.36016 46.57077
38.19280
240.00 | 1301.73875 474.06897 249.25818 156.34206 108.23516 79.72286 62.21859 49.87314
41.07847
250.00 | 1228.29127 438.47501 231.93125 145.86005 100.18530 74.74008 57.96949 46.62841
38.37687
260.00 | 1084.39651 371.36523 192.82889 117.63551 80.91945 59.18742 45.48403 36.24699
29.56034
270.00 | 928.84060 308.70837 156.58239 95.42095 65.14650 46.66600 36.00404 28.48086
23.33602
280.00 | 810.76971 270.87385 137.84412 86.96964 59.24154 43.54843 33.49172 26.87557
22.12185
290.00 | 747.53155 250.30403 130.26057 81.84275 56.20825 41.74993 32.34464 25.96493
21.33538
300.00 | 707.67141 239.47568 121.44026 75.16813 51.47841 37.66575 29.02183 23.11071
18.80483
310.00 | 685.70025 226.27212 116.59810 71.02596 48.54685 35.40795 26.87683 21.19487
17.13260
320.00 | 678.34067 222.61187 112.89319 69.63405 47.95311 34.90928 26.76660 21.22015
17.31611
330.00 | 628.14805 206.25682 103.63020 63.79991 43.75036 31.99423 24.52117 19.25306
15.60351
340.00 | 557.85711 180.06425 90.64375 55.03149 38.03571 27.51409 21.07168 16.30280 13.08784
350.00 | 530.50962 174.04301 87.86903 53.95068 37.13452 27.08325 20.62752 16.16023
13.01038
360.00 | 608.74200 202.99792 104.91783 64.67253 44.65506 33.06431 25.43743 20.02832
16.27434

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION	DISTANCE (METERS)								
(DEGREES)	1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00	13.53267	11.43326	9.80389	8.54594	7.48701	6.63363	5.94270	5.35690	4.85343
20.00	10.59275	8.79758	7.50244	6.50162	5.68877	5.03738	4.50597	4.07194	3.68173

30.00	10.11381	8.48755	7.23093	6.19650	5.38969	4.77947	4.25387	3.78916	3.41115
40.00	12.07317	10.25480	8.77016	7.57898	6.62995	5.86554	5.21646	4.68319	4.24366
50.00	13.07678	10.77057	9.12220	7.86431	6.84524	6.00426	5.37518	4.81297	4.35961
60.00	12.33965	10.24962	8.76906	7.49117	6.52087	5.70899	5.06917	4.51921	4.10872
70.00	11.25648	9.37333	7.95054	6.83484	5.93634	5.21117	4.54073	4.10974	3.68021
80.00	10.47459	8.63702	7.32062	6.32225	5.53025	4.86092	4.30856	3.85314	3.47640
90.00	9.79618	8.10557	6.87762	5.87600	5.08652	4.48290	3.99059	3.56268	3.23079
100.00	10.49405	8.80232	7.46608	6.32738	5.50708	4.84116	4.26829	3.83093	3.45658
110.00	13.16091	11.42466	9.75548	8.43939	7.39364	6.52693	5.77408	5.21428	4.73464
120.00	18.23622	15.37831	13.75564	11.85576	10.40063	9.34335	8.35950	7.54124	6.79973
130.00	23.43421	20.14925	17.62109	15.49521	13.71750	12.22988	10.99726	9.91007	8.99985
140.00	25.80837	22.02815	19.07971	16.71318	14.79309	13.18272	11.84697	10.71622	9.73119
150.00	24.13554	20.19202	17.51362	15.34750	13.56532	11.93736	10.65026	9.75208	8.85466
160.00	21.69869	18.79097	16.19124	13.80549	12.08013	10.83185	9.83206	8.82994	7.98987
170.00	20.57994	17.36924	15.39924	13.42666	11.71391	10.29356	9.29399	8.36999	7.59454
180.00	18.80432	15.88910	13.82830	12.32554	10.82384	9.47270	8.49203	7.68124	6.94952
190.00	18.67548	15.75188	13.50617	11.90591	10.36981	9.61384	8.58491	7.72294	6.99640
200.00	23.28971	19.76210	17.05525	14.78434	12.89150	10.75372	10.07514	9.63007	8.73792
210.00	27.83169	23.73867	20.52208	17.99859	15.92659	14.34347	12.58967	11.38638	10.36823
220.00	29.70979	25.32640	21.87406	19.11924	16.90574	15.08362	13.48242	12.09532	11.00291
230.00	31.97049	27.16648	23.47647	20.56791	18.16609	16.18416	14.53714	13.10208	11.91748
240.00	34.51314	29.49721	25.56218	22.45282	19.88399	17.74539	15.97396	14.46267	13.10376
250.00	32.43143	27.71058	24.05778	21.12200	18.73038	16.74183	15.07042	13.65349	12.48475
260.00	24.76204	21.08326	18.18840	15.91219	14.06592	12.55348	11.25573	10.20925	9.29805
270.00	19.66292	16.60812	14.29147	12.42038	10.92849	9.67482	8.65627	7.83448	7.13602
280.00	18.48887	15.82515	13.56424	11.78857	10.36103	9.18965	8.31131	7.56036	6.88891
290.00	17.91981	15.28533	13.27220	11.63105	10.30011	9.21795	8.31519	7.55155	6.89835
300.00	15.66627	13.19767	11.45846	10.03131	8.85927	7.82574	7.07383	6.38935	5.81933
310.00	14.37118	12.14999	10.36893	8.92426	7.82159	7.11812	6.31685	5.71559	5.16363
320.00	14.58187	12.43914	10.67491	9.31434	8.25312	7.36017	6.67215	6.06252	5.48431
330.00	13.05740	10.95989	9.56937	8.40105	7.38859	6.60928	5.94839	5.35121	4.92187
340.00	10.90034	9.23348	8.00049	6.99735	6.15851	5.42186	4.92542	4.44336	4.10355
350.00	10.80803	9.18880	7.89306	6.88195	6.08350	5.42362	4.81984	4.35652	3.96082
360.00	13.63179	11.70109	10.07895	8.78804	7.76342	6.91256	6.19412	5.60070	5.09024

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:08:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	4.44658	4.09856
20.00	3.33882	3.04113
30.00	3.10007	2.83749
40.00	3.86731	3.54291
50.00	3.96727	3.61083
60.00	3.73437	3.40899
70.00	3.33302	3.02176
80.00	3.12067	2.83433
90.00	2.91049	2.63108
100.00	3.15415	2.85790

110.00	4.32444	3.95659
120.00	6.21200	5.70757
130.00	8.19755	7.54619
140.00	8.91078	8.20038
150.00	8.08508	7.39867
160.00	7.26737	6.68274
170.00	6.90635	6.33077
180.00	6.36019	5.81255
190.00	6.15218	5.61463
200.00	7.76071	7.10211
210.00	9.64607	8.90362
220.00	10.07106	9.34097
230.00	10.91610	10.00200
240.00	11.95478	11.08484
250.00	11.38118	10.46070
260.00	8.51736	7.80159
270.00	6.50784	5.95223
280.00	6.28338	5.75573
290.00	6.31982	5.82457
300.00	5.31832	4.85603
310.00	4.76878	4.36635
320.00	5.06012	4.65756
330.00	4.53267	4.13549
340.00	3.75430	3.43211
350.00	3.62650	3.32279
360.00	4.66841	4.29806

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 19
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TANK :	375.70	118.90	95.57557	TANK :	498.87	129.50	74.40849
TANK :	81.43	359.00	799.56284	TANK :	116.79	44.50	617.08765
TANK :	109.20	67.00	736.76782	TANK :	100.70	93.73	620.07232
TANK :	87.91	103.99	703.68716	TANK :	99.82	123.38	712.40906
TANK :	138.00	141.00	515.11683	TANK :	106.00	180.00	676.68498
TANK :	115.60	206.00	863.68310	TANK :	54.00	270.00	2151.59248
TANK :	97.00	326.00	682.32662	TANK :	133.94	242.10	850.78418
TANK :	101.99	301.65	681.65541	TANK :	236.54	274.95	218.92365

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 20
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	45377.09770 (17121719)	19032.05264 (17122619)	11642.12085 (17122619)	8066.28448 (17122619)	6035.15708 (17122619)
20.0	36138.30784 (17122619)	16095.56204 (17042607)	9770.93795 (17042607)	6749.52856 (17042607)	5035.92495 (17042607)
30.0	33541.32417 (17123118)	14530.98300 (17123118)	8704.97943 (17010408)	6116.79037 (17010408)	4596.31775 (17010408)
40.0	48679.49905 (17060420)	19533.78234 (17060420)	11096.07739 (17060420)	7446.49473 (17123118)	5553.78657 (17123118)
50.0	51043.69084 (17060420)	20915.53402 (17060420)	12042.79890 (17060420)	7979.34341 (17060420)	5902.08568 (17060420)
60.0	46538.48924 (17123119)	20130.07143 (17123119)	11767.07233 (17123119)	7862.75688 (17123119)	5818.25483 (17123119)
70.0	32753.61658 (17011821)	14119.33576 (17011821)	8201.17962 (17011821)	5428.19947 (17011821)	3920.23658 (17011821)
80.0	38046.44173 (17021907)	17342.66328 (17021907)	10414.56602 (17021907)	7094.40605 (17021907)	5234.43560 (17021907)
90.0	27537.46436 (17051620)	12697.47334 (17051620)	7660.04650 (17051620)	5198.03983 (17051620)	3834.09880 (17051620)
100.0	28243.40330 (17060421)	12229.55691 (17042507)	7562.09592 (17042507)	5258.04148 (17042507)	3882.15475 (17042507)
110.0	32475.89594 (17060421)	15121.41019 (17060421)	9123.87125 (17060421)	6132.17816 (17060421)	4544.58942 (17060421)
120.0	35419.57184 (17013021)	15007.81063 (17013121)	9061.64507 (17013121)	6140.24909 (17013121)	4564.48185 (17013121)
130.0	38895.18754 (17102921)	17817.44814 (17102921)	10603.73883 (17102921)	7140.28392 (17102921)	5293.18152 (17102921)
140.0	37737.44422 (17030806)	17084.66197 (17120520)	10263.02402 (17120520)	6983.19475 (17120520)	5110.27865 (17120520)
150.0	47164.41385 (17121321)	18892.77387 (17121321)	11009.16319 (17030806)	7547.79285 (17030806)	5563.72310 (17030806)
160.0	48739.34509 (17010421)	20846.79863 (17010421)	11950.29491 (17010421)	8114.70615 (17010421)	6038.41185 (17010421)
170.0	42809.91244 (17082807)	19463.93005 (17082807)	11580.41192 (17082807)	7768.50117 (17082807)	5926.20081 (17082807)
180.0	46237.63425 (17122620)	20519.35942 (17122620)	12126.80342 (17122620)	8335.55687 (17122620)	6187.13309 (17122620)
190.0	41527.71901 (17121521)	17188.32034 (17121521)	9961.23681 (17121521)	6768.24779 (17121521)	5041.58625 (17121521)
200.0	36544.21945 (17051106)	15791.50179 (17051106)	9257.96967 (17051106)	6218.30415 (17051106)	4694.79442 (17051106)
210.0	36748.05510 (17022007)	16005.81379 (17022007)	9539.41015 (17022007)	6504.65780 (17022007)	4755.65634 (17022007)
220.0	31859.28308 (17011906)	12922.38406 (17011906)	7442.20928 (17011906)	5060.08498 (17011906)	3692.09642 (17070406)
230.0	32913.84566 (17121721)	13648.57006 (17121721)	7869.42070 (17121721)	5314.76596 (17121721)	3832.80407 (17121721)
240.0	34465.42772 (17112506)	14446.49245 (17021106)	8375.08668 (17021106)	5603.31399 (17021106)	4162.03639 (17021106)
250.0	36432.63951 (17112506)	15656.01934 (17021107)	9226.95963 (17021107)	6273.97831 (17021107)	4784.12188 (17021107)
260.0	37995.99918 (17021207)	16100.08723 (17021207)	9400.92689 (17021207)	6448.21558 (17021207)	4758.05260 (17021207)
270.0	36635.79993 (17020106)	15948.74752 (17011907)	9508.95652 (17011907)	6519.49426 (17011907)	4810.01946 (17011907)
280.0	34920.89766 (17021706)	15170.49738 (17012506)	9187.19679 (17012506)	6266.89436 (17012506)	

4690.39881 (17012506)
290.0 | 32414.18067 (17090406) 13918.42587 (17081907) 8296.92284 (17071606) 5695.01636 (17071606)
4262.81218 (17071606)
300.0 | 37803.52103 (17021408) 16560.44366 (17121720) 9938.25724 (17121720) 6799.11090 (17121720)
5039.29337 (17121720)
310.0 | 33666.14917 (17121720) 14455.51685 (17081107) 8714.66957 (17081107) 5992.52585 (17081107)
4434.73862 (17081107)
320.0 | 36282.54153 (17021206) 15257.60899 (17021206) 9205.39230 (17122006) 6334.64214 (17122006)
4667.15720 (17122006)
330.0 | 41125.90613 (17021206) 17138.34856 (17021206) 9992.85457 (17021206) 6713.92590 (17021206)
4886.03287 (17021206)
340.0 | 33073.61350 (17021206) 11948.53061 (17122007) 6928.24763 (17080220) 4760.67161 (17080220)
3497.25909 (17080220)
350.0 | 41660.79091 (17122007) 17935.04508 (17122007) 10636.22762 (17122007) 7228.41911 (17122007)
5271.84566 (17122007)
360.0 | 45954.90596 (17121719) 20073.01373 (17121719) 11935.13361 (17121719) 8152.65982 (17121719)
5995.21786 (17121719)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 21
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 600.00 700.00 800.00 900.00 1000.00

10.0 | 4699.42178 (17122619) 3741.29791 (17122619) 3097.76943 (17122619) 2732.15585 (17122619)
2410.05088 (17122619)
20.0 | 3952.13518 (17042607) 3194.81753 (17042607) 2650.40897 (17042607) 2270.79804 (17042607)
1986.90036 (17042607)
30.0 | 3619.19914 (17010408) 2928.44931 (17010408) 2425.26297 (17010408) 2039.48042 (17010408)
1766.21662 (17010408)
40.0 | 4351.94535 (17123118) 3448.33581 (17123118) 2833.26102 (17123118) 2367.06039 (17123118) 2030.10054
(17123118)
50.0 | 4578.38163 (17060420) 3463.14215 (17060420) 2786.83622 (17060420) 2252.08937 (17060420)
1948.26200 (17060420)
60.0 | 4374.32718 (17123119) 3448.44508 (17123119) 2739.33443 (17123119) 2307.87174 (17070120) 2228.78351
(17070120)
70.0 | 2927.66441 (17011821) 2301.06643 (17011821) 1878.35177 (17011821) 1735.71162 (17083021) 1500.51196
(17083021)
80.0 | 3919.37448 (17021907) 3052.33625 (17021907) 2541.86518 (17021907) 2466.90164 (17021907)
2181.61268 (17021907)
90.0 | 2970.00029 (17051620) 2268.84099 (17051620) 2023.83861 (17051620) 1748.05239 (17051620)
1543.02379 (17051620)
100.0 | 3056.80364 (17042507) 2393.81557 (17042507) 2096.23736 (17042507) 1784.35221 (17042507)
1558.53056 (17042507)
110.0 | 3552.15100 (17060421) 2717.57067 (17060421) 2515.41105 (17060421) 2229.33930 (17060421)
1920.59354 (17060421)
120.0 | 3515.55349 (17013121) 2723.16833 (17013121) 2433.16845 (17013121) 2261.01323 (17013121)
1925.83886 (17013121)
130.0 | 4110.90222 (17102921) 3135.97533 (17102921) 2711.66812 (17102921) 2554.76965 (17102921)
2226.47173 (17102921)
140.0 | 4020.14404 (17120520) 2964.47487 (17120520) 2380.25085 (17120520) 2026.10250 (17120520)

1959.74078 (17120520)
150.0 | 4250.39351 (17030806) 3374.46273 (17030806) 2754.98108 (17030806) 2156.17699 (17030806)
1866.92646 (17030806)
160.0 | 4671.04895 (17010421) 3765.50416 (17010421) 3020.21087 (17010421) 2374.02205 (17010421)
2118.56964 (17010421)
170.0 | 4639.82305 (17082807) 3753.95076 (17082807) 3113.44908 (17082807) 2877.25472 (17082807)
2175.52433 (17082807)
180.0 | 4864.91983 (17122620) 3943.12458 (17122620) 3252.12215 (17122620) 2772.23740 (17122620)
2323.73545 (17122620)
190.0 | 3953.52535 (17121521) 3181.87057 (17121521) 2616.06116 (17121521) 2235.05102 (17121521)
1907.99205 (17121521)
200.0 | 3678.68453 (17051106) 3001.40600 (17051106) 2459.11523 (17051106) 2055.45374 (17051106)
1745.23208 (17051106)
210.0 | 3745.09111 (17022007) 3213.69695 (17022007) 2521.88094 (17022007) 2142.82172 (17022007)
1779.00832 (17022007)
220.0 | 2828.18589 (17070406) 2691.14710 (17070406) 2180.51042 (17070406) 1629.86402 (17070406)
1389.29598 (17070406)
230.0 | 3039.36927 (17121721) 2381.49449 (17121721) 1955.16293 (17121721) 1649.30076 (17121721)
1421.80379 (17121721)
240.0 | 3258.92286 (17021106) 2558.32260 (17021106) 2085.65858 (17112508) 1759.73971 (17112508)
1508.42563 (17112508)
250.0 | 3695.16351 (17021107) 3024.38208 (17021107) 2519.17765 (17021107) 2159.11549 (17021107)
1802.82099 (17021107)
260.0 | 3739.38880 (17021207) 3020.12264 (17021207) 2498.18298 (17021207) 2132.84749 (17021108)
1837.26108 (17021108)
270.0 | 3827.15489 (17011907) 3071.38750 (17011907) 2576.78496 (17011907) 2163.02821 (17011907)
1817.78468 (17011907)
280.0 | 3667.09732 (17012506) 2983.12113 (17012506) 2460.05546 (17012506) 2057.81049 (17012506)
1783.78973 (17012506)
290.0 | 3310.37545 (17071606) 2681.30596 (17071606) 2221.73542 (17071606) 1879.21588 (17071606)
1621.28522 (17071606)
300.0 | 3931.77826 (17121720) 3158.50089 (17121720) 2623.75841 (17121720) 2258.63953 (17121720)
1985.89525 (17121720)
310.0 | 3455.08266 (17081107) 2818.63680 (17081107) 2360.12232 (17081107) 2028.00654 (17081107)
1739.47442 (17081107)
320.0 | 3663.49199 (17122006) 3000.73182 (17122006) 2538.61757 (17122006) 2185.00972 (17122006)
1858.24764 (17122006)
330.0 | 3797.68033 (17021206) 3065.58304 (17021206) 2562.26113 (17021206) 2213.12532 (17021206)
1922.70396 (17021206)
340.0 | 2743.55996 (17080220) 2218.42908 (17080220) 1864.02046 (17080220) 1581.27006 (17080220)
1375.08477 (17080220)
350.0 | 4079.02855 (17122007) 3315.21667 (17122007) 2823.11135 (17122007) 2468.91351 (17122007)
2148.27748 (17122007)
360.0 | 4597.98786 (17121719) 3696.27236 (17121719) 3107.57912 (17121719) 2682.84595 (17121719)
2326.61206 (17121719)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 22
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 1100.00 1200.00 1300.00 1400.00 1500.00
- -

10.0 | 2126.42426 (17122619) 1902.43923 (17122619) 1697.07036 (17122619) 1543.89454 (17122619) 1409.08583 (17122619)
20.0 | 1758.87248 (17042607) 1565.48219 (17042607) 1401.18108 (17042607) 1265.73312 (17042607) 1150.17811 (17042607)
30.0 | 1548.69236 (17010408) 1370.24766 (17010408) 1243.83476 (17010408) 1128.17974 (17010408) 1013.93017 (17010408)
40.0 | 1676.38980 (17123118) 1475.44400 (17123118) 1304.29676 (17123118) 1164.50208 (17123118) 1053.52134 (17123118)
50.0 | 1854.93138 (17120518) 1667.28003 (17120518) 1498.57635 (17120518) 1383.04033 (17120518) 1273.15958 (17120518)
60.0 | 1989.72777 (17070120) 1721.61298 (17070120) 1586.47191 (17070120) 1451.87628 (17070120) 1344.66380 (17070120)
70.0 | 1322.74416 (17083021) 1172.84427 (17083021) 1049.68745 (17083021) 948.68288 (17083021) 863.10967 (17083021)
80.0 | 1964.93693 (17021907) 1749.06075 (17021907) 1556.06775 (17021907) 1380.80976 (17021907) 1247.86956 (17021907)
90.0 | 1377.51729 (17051620) 1222.18465 (17051620) 1105.17115 (17051620) 1005.44743 (17051620) 908.45907 (17051620)
100.0 | 1365.42993 (17042507) 1213.32911 (17042507) 1115.29646 (17042507) 1011.21875 (17042507) 925.67532 (17042507)
110.0 | 1596.08050 (17060421) 1427.01890 (17060421) 1306.70728 (17060421) 1181.60069 (17060421) 1095.45486 (17060421)
120.0 | 1719.62980 (17013121) 1411.31255 (17013121) 1319.43626 (17013121) 1209.53072 (17013121) 1064.48984 (17013121)
130.0 | 1938.15287 (17102921) 1658.18631 (17102921) 1441.71121 (17102921) 1282.89056 (17102921) 1164.00303 (17102921)
140.0 | 1716.88189 (17120520) 1523.00285 (17120520) 1353.69042 (17120520) 1226.49059 (17120520) 1131.29694 (17120520)
150.0 | 1875.62606 (17030806) 1635.58117 (17030806) 1456.63019 (17030806) 1316.54419 (17030806) 1286.83675 (17030806)
160.0 | 1708.73929 (17010421) 1517.16821 (17010421) 1528.85798 (17010421) 1421.90511 (17112521) 1249.15176 (17112521)
170.0 | 1975.95769 (17082807) 1567.15001 (17082807) 1403.58839 (17082807) 1338.61338 (17082807) 1279.49188 (17082807)
180.0 | 2105.69717 (17122620) 1769.99693 (17122620) 1442.55663 (17122620) 1303.75535 (17122620) 1310.52214 (17122620)
190.0 | 1690.60431 (17121521) 1510.42708 (17121521) 1281.51095 (17121521) 1194.98845 (17121521) 917.00416 (17121521)
200.0 | 1527.30494 (17051106) 1337.50351 (17051106) 1226.78108 (17051106) 1150.63197 (17051106) 1195.84056 (17051106)
210.0 | 1556.34122 (17022007) 1361.14241 (17022007) 1230.00868 (17022007) 1098.68397 (17022007) 1119.52807 (17022007)
220.0 | 1176.46902 (17070406) 1009.70780 (17070406) 891.98111 (17070406) 827.03082 (17070406) 751.47488 (17070406)
230.0 | 1223.61553 (17121721) 1061.97756 (17121721) 930.64612 (17121721) 821.82154 (17121721) 734.12536 (17121721)
240.0 | 1315.85865 (17112508) 1146.37171 (17112508) 1042.64578 (17021106) 933.61904 (17021106) 806.97598 (17021106)
250.0 | 1570.25120 (17021107) 1370.49918 (17021107) 1225.22422 (17021107) 1100.79901 (17021107) 986.50036 (17021107)
260.0 | 1606.98625 (17021108) 1420.83492 (17021108) 1264.52409 (17021108) 1128.04308 (17021108) 1015.62165 (17021108)
270.0 | 1605.58324 (17011907) 1414.79161 (17011907) 1275.79037 (17011907) 1159.72243 (17011907) 1055.76445 (17011907)
280.0 | 1530.50581 (17012506) 1406.83094 (17012506) 1301.83389 (17012506) 1199.27104 (17012506) 1124.77108 (17012506)
290.0 | 1449.92710 (17071606) 1288.15823 (17071606) 1175.77750 (17071606) 1065.64299 (17071606) 972.46216 (17071606)
300.0 | 1792.25355 (17121720) 1564.61264 (17121720) 1397.47022 (17121720) 1266.47464 (17121720) 1191.40518 (17121720)
310.0 | 1535.37603 (17081107) 1378.75528 (17081107) 1258.81543 (17081107) 1145.57546 (17081107)

1005.76150 (17081107)
320.0 | 1626.50722 (17122006) 1500.56598 (17122006) 1360.43139 (17122006) 1241.05604 (17122006)
1138.06675 (17122006)
330.0 | 1703.77665 (17021206) 1477.65927 (17021206) 1295.99064 (17021206) 1176.12140 (17021206)
1071.03854 (17021206)
340.0 | 1217.32259 (17080220) 1077.09100 (17080220) 963.57467 (17080220) 876.20977 (17072321) 807.91593
(17072321)
350.0 | 1880.44945 (17122007) 1683.71057 (17122007) 1501.43641 (17122007) 1352.02485 (17122007)
1230.81808 (17122007)
360.0 | 1998.77686 (17121719) 1786.77880 (17121719) 1617.41045 (17121719) 1448.59952 (17121719)
1310.15036 (17121719)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION	DISTANCE (METERS)				
(DEGREES)	1600.00	1700.00	1800.00	1900.00	2000.00
10.0	1291.62392 (17122619)	1183.46269 (17122619)	1090.68372 (17122619)	995.04780 (17122619)	906.25130 (17122619)
20.0	1047.05338 (17042607)	948.77489 (17042607)	877.56912 (17042607)	819.69201 (17042607)	767.67030 (17042607)
30.0	920.93481 (17010408)	842.13609 (17010408)	769.59572 (17010408)	705.64892 (17010408)	649.00040 (17010408)
40.0	964.04555 (17123118)	887.22089 (17123118)	820.41140 (17123118)	761.85745 (17123118)	710.18036 (17123118)
50.0	1147.83877 (17120518)	1069.04657 (17120518)	978.22677 (17120518)	901.85240 (17120518)	851.02481 (17120518)
60.0	1234.12890 (17070120)	1150.60071 (17070120)	1034.17871 (17070120)	954.92840 (17070120)	898.96370 (17070120)
70.0	809.62947 (17083021)	730.46030 (17083021)	677.83055 (17083021)	627.30910 (17083021)	593.94188 (17083021)
80.0	1138.59583 (17021907)	1039.85374 (17021907)	930.54404 (17021907)	901.40363 (17021907)	849.69128 (17021907)
90.0	823.35099 (17051620)	759.39019 (17051620)	671.24159 (17051620)	642.62006 (17051620)	602.60056 (17051620)
100.0	850.62176 (17042507)	781.88521 (17042507)	725.06543 (17042507)	665.37966 (17042507)	624.94198 (17042507)
110.0	1027.94215 (17060421)	937.04082 (17060421)	862.12120 (17060421)	789.83994 (17060421)	733.53467 (17060421)
120.0	985.37205 (17013121)	914.97020 (17013121)	861.88914 (17013121)	796.15155 (17013121)	742.40014 (17013121)
130.0	1079.99814 (17102921)	1016.70716 (17102921)	954.11497 (17102921)	913.14461 (17102921)	836.29163 (17102921)
140.0	1035.41157 (17120520)	974.46284 (17120520)	903.62216 (17120520)	851.41052 (17120520)	786.53094 (17120520)
150.0	1220.19190 (17030806)	1044.69452 (17030806)	979.10450 (17030806)	916.43780 (17030806)	868.52140 (17030806)
160.0	1072.03072 (17010421)	1038.37412 (17112521)	969.09042 (17112521)	918.96248 (17112521)	850.64026 (17112521)
170.0	1139.33705 (17082807)	1065.93511 (17082807)	1000.88805 (17082807)	937.52547 (17082807)	885.01759

(17082807)
180.0 | 1221.15120 (17122620) 1104.89228 (17122620) 1032.93098 (17122620) 962.81105 (17122620) 915.30655 (17122620)
190.0 | 839.60191 (17121521) 772.86499 (17121521) 714.82658 (17121521) 769.21420 (17121521) 724.99385 (17121521)
200.0 | 1008.45255 (17051106) 719.17233 (17051106) 665.15324 (17051106) 698.42105 (17051106) 656.40160 (17051106)
210.0 | 819.53368 (17022007) 754.40955 (17022007) 697.75618 (17022007) 727.24923 (17022007) 688.73265 (17022007)
220.0 | 792.61904 (17070406) 546.45835 (17123106) 505.38154 (17123106) 469.37553 (17123106) 471.24875 (17070406)
230.0 | 658.19817 (17121721) 618.02127 (17121721) 563.51015 (17121721) 496.05019 (17121721) 478.31658 (17121721)
240.0 | 738.92377 (17021106) 668.79139 (17021106) 576.61225 (17112508) 514.51426 (17112508) 513.76014 (17011708)
250.0 | 900.51052 (17021107) 813.09124 (17021107) 761.93297 (17021107) 669.74516 (17021107) 592.97668 (17021107)
260.0 | 927.54226 (17021108) 829.52169 (17021108) 751.12949 (17021108) 678.03016 (17021108) 642.41798 (17021108)
270.0 | 969.60000 (17011907) 880.47806 (17120606) 800.69926 (17120606) 748.09265 (17120606) 700.56293 (17011907)
280.0 | 1010.55701 (17012506) 908.55837 (17012506) 836.98269 (17012506) 782.82098 (17012506) 740.83997 (17012506)
290.0 | 897.53887 (17071606) 829.77498 (17071606) 770.70204 (17071606) 726.16221 (17071606) 675.21980 (17071606)
300.0 | 1063.27743 (17121720) 974.87639 (17121720) 897.87295 (17121720) 836.08866 (17121720) 803.20932 (17121720)
310.0 | 938.72118 (17081107) 859.13324 (17081107) 796.91459 (17081107) 725.25493 (17081107) 676.28238 (17081107)
320.0 | 1013.45746 (17122006) 917.59845 (17122006) 885.42436 (17122006) 782.37437 (17122006) 726.49608 (17122006)
330.0 | 977.54890 (17021206) 907.01271 (17021206) 805.08130 (17021206) 716.97177 (17021206) 685.17650 (17021206)
340.0 | 729.78199 (17072321) 668.44902 (17072321) 599.52856 (17072321) 556.73595 (17072321) 516.09953 (17072321)
350.0 | 1154.15449 (17122007) 1056.74235 (17122007) 981.45613 (17122007) 910.06952 (17122007) 853.63849 (17122007)
360.0 | 1194.61445 (17121719) 1104.01681 (17121719) 1023.33769 (17121719) 940.96623 (17121719) 871.19018 (17121719)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	6729.26459	(17013121)	TANK	498.87	129.50	5283.53903	(17102921)
TANK	81.43	359.00	56012.98129	(17121719)	TANK	116.79	44.50	43533.57123	(17060420)
TANK	109.20	67.00	29689.96401	(17123119)	TANK	100.70	93.73	25206.51331	(17051620)
TANK	87.91	103.99	36316.62568	(17060421)	TANK	99.82	123.38	37929.79020	(17013021)
TANK	138.00	141.00	26423.95421	(17030806)	TANK	106.00	180.00	43527.99191	(17122620)

TANK : 115.60 206.00 31481.94204 (17080520) TANK : 54.00 270.00 70664.92236 (17020106)
TANK : 97.00 326.00 42211.22514 (17021206) TANK : 133.94 242.10 25137.43326 (17112506)
TANK : 101.99 301.65 36684.85116 (17121720) TANK : 236.54 274.95 13037.86383 (17011907)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	41997.83070 (17122619)	18281.01236 (17121719)	10347.82677 (17121719)	6782.50854 (17121719)	4864.66452 (17121719)
20.0	35684.32583 (17042607)	14596.96445 (17121718)	8995.59216 (17121718)	6285.77068 (17123120)	4741.36073 (17123120)
30.0	31093.25074 (17042607)	13951.20857 (17010408)	8484.94291 (17123118)	5736.20138 (17122106)	4307.07064 (17062706)
40.0	39762.12230 (17081620)	17903.05943 (17123118)	10802.19904 (17123118)	7293.22376 (17060420)	5371.40326 (17081620)
50.0	45161.41532 (17123119)	18821.42827 (17123119)	10774.71682 (17123119)	7286.23519 (17120518)	5486.91055 (17120518)
60.0	40167.81937 (17070120)	18402.84536 (17070120)	11151.84013 (17070120)	7614.62714 (17070120)	5720.53073 (17070120)
70.0	32560.50515 (17021907)	13369.08565 (17021907)	7509.50329 (17021907)	4936.08289 (17083021)	3705.65777 (17083021)
80.0	34215.77806 (17011821)	15760.01068 (17011821)	9493.41392 (17011821)	6456.91273 (17011821)	4769.06571 (17011821)
90.0	25056.56422 (17021907)	11125.80557 (17121518)	6870.07027 (17121518)	4733.70026 (17121518)	3521.01604 (17121518)
100.0	25947.46862 (17012421)	11888.73601 (17090519)	7352.61340 (17090519)	5107.22420 (17090519)	3763.58522 (17090519)
110.0	31659.74564 (17012421)	14797.64383 (17012421)	8954.62101 (17012421)	6035.33407 (17012421)	4476.20437 (17012421)
120.0	32285.61871 (17102921)	14872.47103 (17013021)	8394.63185 (17090619)	5705.88720 (17032921)	4258.10262 (17032921)
130.0	37784.17950 (17050706)	16886.83325 (17013021)	10123.45977 (17013021)	6844.61602 (17013021)	5077.49098 (17013021)
140.0	36933.44838 (17012407)	16674.87444 (17012407)	9858.17403 (17012407)	6633.82037 (17012407)	4824.69667 (17012407)
150.0	40838.92711 (17030806)	18556.16179 (17030806)	10617.24601 (17051206)	7315.63110 (17051206)	5413.86517 (17051206)
160.0	44532.28339 (17121321)	18612.89716 (17121321)	11062.69851 (17112521)	7629.45656 (17112521)	5725.42557 (17112521)
170.0	42107.91517 (17121520)	17679.51914 (17121520)	9920.19315 (17121520)	6427.90249 (17121520)	4848.46899 (17121120)
180.0	42218.60987 (17121520)	19039.32373 (17121520)	11247.84700 (17121520)	7692.17848 (17121520)	5686.22254 (17121520)
190.0	39499.92101 (17090221)	16120.12492 (17090221)	9317.47766 (17090221)	6337.04482 (17090221)	4736.04158 (17090221)
200.0	35295.09234 (17080520)	14916.55737 (17080520)	8560.07281 (17080520)	5723.88123 (17021406)	4300.73888 (17021406)
210.0	35448.69282 (17080520)	15314.96127 (17080520)	9036.41919 (17080520)	6138.00308 (17110707)	

4499.65989 (17110707)
220.0 | 30464.21675 (17030807) 12382.04565 (17070406) 7326.30750 (17070406) 5024.14095 (17070406)
3678.79285 (17123106)
230.0 | 31660.47514 (17090407) 13172.46435 (17090407) 7604.64949 (17090407) 5153.79486 (17090407)
3718.50234 (17090407)
240.0 | 34295.51598 (17021106) 14296.50472 (17112506) 8254.45801 (17112506) 5505.32950 (17011708)
4090.77050 (17011708)
250.0 | 36285.89420 (17021107) 15389.50962 (17112506) 8964.11157 (17112506) 6026.97542 (17112506)
4567.50128 (17112506)
260.0 | 35522.05854 (17021108) 15480.78731 (17021108) 9166.19551 (17021108) 6336.46968 (17021108)
4682.34974 (17021108)
270.0 | 36272.26007 (17011907) 15893.06222 (17120606) 9486.80129 (17120606) 6507.73376 (17120606)
4803.27416 (17120606)
280.0 | 34890.26523 (17011907) 14838.01215 (17021706) 8873.26292 (17032806) 6055.49426 (17032806)
4521.77068 (17032806)
290.0 | 32212.99437 (17021408) 13787.10666 (17021408) 8283.30585 (17081907) 5609.82790 (17081907)
4111.14111 (17081907)
300.0 | 37163.34702 (17121720) 16530.20001 (17021408) 9797.05573 (17021408) 6623.42536 (17021408)
4884.45833 (17021408)
310.0 | 32302.98833 (17081107) 13302.46703 (17121720) 7635.13417 (17081707) 5287.26582 (17081707)
3929.06891 (17081707)
320.0 | 33773.54024 (17122006) 15230.33952 (17122006) 8865.43670 (17021206) 5922.69222 (17021206)
4245.11933 (17021206)
330.0 | 37884.20309 (17122406) 16318.04962 (17122406) 9608.99239 (17122406) 6491.90358 (17122406)
4766.15319 (17122406)
340.0 | 30298.96250 (17122007) 11505.04704 (17021206) 6681.16324 (17072321) 4619.80434 (17072321)
3426.12051 (17072321)
350.0 | 32828.46863 (17082321) 14277.86898 (17082321) 8500.59566 (17082321) 5802.73455 (17082321)
4248.06813 (17082321)
360.0 | 39035.87790 (17122007) 16750.02674 (17072120) 10293.24009 (17072120) 7153.32271 (17072120)
5334.61319 (17072120)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 600.00 700.00 800.00 900.00 1000.00

10.0 | 3634.53634 (17121719) 2831.78479 (17010407) 2360.58004 (17010407) 2055.83636 (17010407)
1802.60781 (17010407)
20.0 | 3747.72167 (17123120) 3031.26667 (17123120) 2510.13887 (17123120) 2162.01873 (17123120)
1906.35141 (17123120)
30.0 | 3424.31902 (17062706) 2798.48794 (17062706) 2341.70865 (17062706) 1982.10065 (17062706)
1721.88631 (17062706)
40.0 | 4155.72195 (17081620) 3279.72834 (17081620) 2689.43775 (17081620) 2255.95771 (17081620)
1967.46014 (17081620)
50.0 | 4314.07997 (17120518) 3362.49893 (17120518) 2733.80763 (17120518) 2232.64872 (17120518)
1931.95649 (17120518)
60.0 | 4325.56079 (17070120) 3440.30038 (17070120) 2712.86047 (17070120) 2299.72944 (17123119)
2162.68389 (17123119)
70.0 | 2900.23290 (17083021) 2276.27178 (17030208) 1874.93144 (17030208) 1678.85373 (17030208)

1463.68497 (17030208)
80.0 | 3581.79015 (17011821) 2793.94744 (17011821) 2326.88848 (17011821) 2153.61789 (17011821) 1899.26679 (17011821)
90.0 | 2721.58603 (17121518) 2125.24193 (17121518) 1805.45194 (17121518) 1555.50122 (17121518) 1363.24673 (17121518)
100.0 | 2966.00780 (17090519) 2312.74971 (17090519) 2035.26812 (17090519) 1730.59506 (17090519) 1511.88787 (17090519)
110.0 | 3499.93489 (17012421) 2684.73607 (17012421) 2469.71073 (17012421) 2180.39384 (17012421) 1878.35417 (17012421)
120.0 | 3302.94454 (17032921) 2585.05705 (17032921) 2277.13815 (17032921) 2049.84041 (17032921) 1764.92315 (17032921)
130.0 | 3946.56348 (17013021) 3019.02208 (17013021) 2608.41396 (17013021) 2409.78003 (17013021) 2096.42421 (17013021)
140.0 | 3718.88194 (17012407) 2790.68000 (17012407) 2236.15734 (17012407) 1864.94124 (17012407) 1783.95442 (17012407)
150.0 | 4155.17634 (17051206) 3309.85453 (17051206) 2709.21408 (17051206) 2134.95521 (17051206) 1848.88708 (17051206)
160.0 | 4480.14725 (17112521) 3647.69312 (17112521) 2948.39867 (17112521) 2332.40914 (17112521) 2078.60179 (17112521)
170.0 | 3797.17418 (17110706) 3082.54849 (17110706) 2563.49699 (17110706) 2325.83904 (17110706) 1804.18642 (17110706)
180.0 | 4435.62799 (17121520) 3568.41692 (17121520) 2928.32857 (17121520) 2470.85248 (17121520) 2076.29916 (17121520)
190.0 | 3728.98070 (17090221) 3007.24566 (17090221) 2471.07415 (17090221) 2109.93785 (17090221) 1799.69171 (17090221)
200.0 | 3368.61001 (17021406) 2754.70096 (17021406) 2269.30531 (17021406) 1906.64190 (17021406) 1626.75748 (17021406)
210.0 | 3543.62301 (17110707) 3027.38971 (17110707) 2388.86330 (17110707) 2030.52951 (17110707) 1690.13280 (17110707)
220.0 | 2819.91725 (17123106) 2666.70396 (17123106) 2167.81600 (17123106) 1626.03380 (17123106) 1386.37423 (17123106)
230.0 | 2929.43723 (17090407) 2300.15638 (17090407) 1890.12172 (17090407) 1595.33161 (17090407) 1381.45509 (17090407)
240.0 | 3206.30868 (17011708) 2525.17890 (17011708) 2081.97739 (17021106) 1746.26134 (17021106) 1499.62782 (17021106)
250.0 | 3521.46585 (17112506) 2838.34166 (17112506) 2326.06692 (17112506) 1972.23208 (17112506) 1646.04657 (17112506)
260.0 | 3669.49996 (17021108) 2979.88087 (17021108) 2483.90855 (17021108) 2124.74352 (17021207) 1822.82264 (17021207)
270.0 | 3823.00270 (17120606) 3069.14647 (17120606) 2575.05449 (17120606) 2162.10038 (17120606) 1817.58009 (17120606)
280.0 | 3536.48707 (17032806) 2877.55262 (17032806) 2374.16365 (17032806) 1986.96668 (17032806) 1722.47795 (17032806)
290.0 | 3163.25343 (17081907) 2559.33338 (17081907) 2122.87508 (17081907) 1799.88253 (17081907) 1534.84151 (17081907)
300.0 | 3807.45240 (17021408) 3048.67800 (17021408) 2514.11743 (17021408) 2139.86122 (17021408) 1873.78501 (17021408)
310.0 | 3067.03920 (17081707) 2505.71670 (17081707) 2100.47404 (17081707) 1807.56931 (17081707) 1549.54915 (17081707)
320.0 | 3284.62727 (17081706) 2690.11373 (17081706) 2274.03712 (17081706) 1956.43740 (17081706) 1667.62323 (17081706)
330.0 | 3704.82297 (17122406) 2961.52891 (17122406) 2491.99339 (17122406) 2161.91360 (17122406) 1868.64422 (17122406)
340.0 | 2697.22174 (17072321) 2185.31522 (17072321) 1851.26650 (17072321) 1580.00989 (17072321) 1370.09682 (17072321)
350.0 | 3291.39060 (17082321) 2674.81543 (17082321) 2274.04983 (17082321) 1983.35189 (17082321) 1724.18039 (17082321)
360.0 | 4138.06627 (17072120) 3355.44711 (17072120) 2848.33274 (17072120) 2452.11406 (17072120) 2122.04194 (17072120)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1591.54560 (17010407)	1422.59219 (17010407)	1274.84756 (17010407)	1159.10333 (17010407)	1059.12214 (17010407)
20.0	1701.15849 (17123120)	1518.14766 (17123120)	1356.73442 (17123120)	1225.30126 (17123120)	1112.16710 (17123120)
30.0	1507.81420 (17062706)	1331.93641 (17062706)	1198.35528 (17062706)	1081.22268 (17062706)	972.27777 (17062706)
40.0	1575.49494 (17081620)	1394.48372 (17081620)	1249.61508 (17081620)	1128.95397 (17081620)	1027.12892 (17081620)
50.0	1822.72157 (17060420)	1641.32083 (17060420)	1474.66394 (17060420)	1352.22397 (17060420)	1197.15381 (17060420)
60.0	1861.91624 (17123119)	1618.14978 (17123119)	1454.36915 (17123119)	1332.42313 (17123119)	1221.47065 (17123119)
70.0	1289.51129 (17030208)	1145.22938 (17030208)	1026.29098 (17030208)	927.91246 (17030208)	844.57143 (17030208)
80.0	1707.92126 (17011821)	1513.39276 (17011821)	1344.05210 (17011821)	1199.42594 (17011821)	1079.81867 (17011821)
90.0	1180.77038 (17121518)	1041.54238 (17032121)	935.10975 (17032121)	847.42783 (17021306)	769.84335 (17021306)
100.0	1322.81526 (17090519)	1174.36892 (17090519)	1081.74326 (17090519)	980.54325 (17090519)	898.30967 (17090519)
110.0	1565.66592 (17012421)	1397.90201 (17012421)	1277.36606 (17012421)	1154.65949 (17012421)	1069.76968 (17012421)
120.0	1567.47814 (17032921)	1316.47602 (17032921)	1217.97456 (17032921)	1113.03985 (17032921)	987.48971 (17032921)
130.0	1825.60551 (17013021)	1566.44587 (17013021)	1365.89057 (17013021)	1215.84332 (17013021)	1101.03894 (17013021)
140.0	1544.12010 (17012407)	1345.10605 (17050706)	1198.30008 (17050706)	1091.48925 (17050706)	1005.04967 (17012407)
150.0	1837.87920 (17051206)	1605.75032 (17051206)	1431.12535 (17051206)	1293.66150 (17051206)	1256.40306 (17051206)
160.0	1687.78846 (17112521)	1497.27355 (17112521)	1513.90061 (17112521)	1403.82754 (17010421)	1229.09704 (17010421)
170.0	1634.69953 (17110706)	1305.89641 (17110706)	1169.67295 (17110706)	1112.40902 (17110706)	1060.17442 (17110706)
180.0	1877.33092 (17121520)	1580.09283 (17121520)	1322.12196 (17121520)	1182.96032 (17121520)	1169.92812 (17121520)
190.0	1593.35498 (17090221)	1422.32528 (17090221)	1205.99552 (17090221)	1123.46950 (17090221)	860.98564 (17090221)
200.0	1428.94744 (17021406)	1253.77890 (17021406)	1147.65655 (17021406)	1072.60936 (17021406)	1081.99456 (17021406)
210.0	1478.90458 (17110707)	1294.33974 (17110707)	1169.25173 (17110707)	1044.95987 (17110707)	1058.48931 (17110707)
220.0	1174.59855 (17123106)	1008.77219 (17123106)	891.34325 (17123106)	825.44259 (17123106)	749.77018 (17123106)
230.0	1201.29770 (17090407)	1041.26413 (17090407)	909.99462 (17090407)	807.29564 (17090407)	715.21429 (17090407)
240.0	1313.14568 (17021106)	1144.83833 (17021106)	1037.84757 (17011708)	929.86698 (17011708)	805.58132

(17011708)
250.0 | 1433.55364 (17112506) 1250.98859 (17112506) 1118.34468 (17112506) 1004.72063 (17112506) 900.29350 (17112506)
260.0 | 1593.58915 (17021207) 1408.40229 (17021207) 1252.85602 (17021207) 1116.89708 (17021207) 1005.07306 (17021207)
270.0 | 1605.38826 (17120606) 1414.74514 (17120606) 1275.72499 (17120606) 1159.63972 (17120606) 1055.70640 (17120606)
280.0 | 1478.58275 (17032806) 1358.33624 (17032806) 1256.28657 (17032806) 1150.39128 (17032806) 1065.73330 (17032806)
290.0 | 1379.42869 (17122307) 1227.62008 (17122307) 1116.99689 (17122307) 1011.31529 (17122307) 922.05421 (17122307)
300.0 | 1691.26214 (17021408) 1476.21394 (17021408) 1318.44427 (17021408) 1194.67529 (17021408) 1095.50888 (17021408)
310.0 | 1368.91715 (17081707) 1231.40845 (17081707) 1127.65133 (17081707) 1027.60257 (17081707) 897.40700 (17081707)
320.0 | 1460.43580 (17081706) 1343.42853 (17081706) 1217.14725 (17081706) 1109.77785 (17081706) 1017.31865 (17081706)
330.0 | 1623.71818 (17122406) 1412.79978 (17122406) 1255.14716 (17122406) 1151.21685 (17122406) 1048.77935 (17122406)
340.0 | 1212.30237 (17072321) 1074.51336 (17072321) 962.63078 (17072321) 861.33478 (17080220) 775.04978 (17080220)
350.0 | 1508.94292 (17082321) 1349.02797 (17082321) 1202.78801 (17082321) 1082.61470 (17082321) 984.69270 (17082321)
360.0 | 1832.61549 (17072120) 1629.45220 (17072120) 1475.68126 (17072120) 1337.33227 (17072120) 1235.34729 (17072120)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	972.56859 (17010407)	894.10954 (17010407)	826.30679 (17010407)	757.95254 (17010407)	693.89615 (17010407)
20.0	1008.30189 (17123120)	903.81539 (17123120)	836.19634 (17123120)	784.37620 (17123120)	737.06694 (17123120)
30.0	883.13409 (17062706)	811.36034 (17062706)	747.69654 (17062706)	689.75800 (17062706)	643.16806 (17062706)
40.0	940.12435 (17081620)	858.37458 (17081620)	785.00740 (17021906)	725.10513 (17021906)	673.24409 (17021906)
50.0	1075.65031 (17060420)	992.25641 (17060420)	904.61332 (17060420)	831.93871 (17060420)	787.07122 (17060420)
60.0	1090.61557 (17123119)	991.14465 (17123119)	894.38003 (17123119)	819.24331 (17123119)	771.43472 (17123119)
70.0	784.61169 (17030208)	714.01485 (17030208)	661.90500 (17030208)	613.43770 (17030208)	577.76602 (17030208)
80.0	978.12241 (17011821)	889.70913 (17011821)	810.38408 (17011821)	749.28084 (17011821)	706.97427 (17011821)
90.0	701.69984 (17021306)	647.24199 (17021306)	582.70687 (17032121)	551.58077 (17021306)	516.38194 (17021306)
100.0	825.90296 (17090519)	758.86196 (17090519)	703.96906 (17090519)	644.78088 (17090519)	606.21878

(17090519)
110.0 | 1002.94704 (17012421) 914.71753 (17012421) 841.81492 (17012421) 771.65744 (17012421) 716.77510
(17012421)
120.0 | 912.32340 (17032921) 845.89481 (17032921) 794.17927 (17032921) 734.67440 (17032921) 685.35555
(17032921)
130.0 | 1019.40609 (17013021) 959.36408 (17013021) 900.12225 (17013021) 861.10331 (17013021) 788.84680
(17013021)
140.0 | 920.38193 (17012407) 851.55429 (17090620) 789.42757 (17090620) 742.32904 (17090620) 686.74124
(17090620)
150.0 | 1190.31968 (17051206) 1023.86452 (17051206) 958.51011 (17051206) 896.75034 (17051206) 849.78162
(17051206)
160.0 | 1062.96718 (17112521) 1018.98904 (17010421) 951.69014 (17010421) 904.27151 (17010421) 836.31557
(17010421)
170.0 | 945.76148 (17110706) 884.05615 (17110706) 829.40693 (17110706) 776.54298 (17110706) 732.48511
(17110706)
180.0 | 1089.80789 (17121520) 986.39052 (17121520) 921.98017 (17121520) 848.92525 (17121520) 784.44201
(17121520)
190.0 | 788.29807 (17090221) 725.52945 (17090221) 670.76216 (17090221) 720.14029 (17090221) 678.60871
(17090221)
200.0 | 927.57937 (17021406) 681.38798 (17021406) 630.19546 (17021406) 656.01260 (17021406) 616.16061
(17021406)
210.0 | 782.15226 (17110707) 719.98947 (17110707) 665.91248 (17110707) 691.57389 (17110707) 654.51752
(17110707)
220.0 | 789.29134 (17123106) 545.00750 (17070406) 504.04192 (17070406) 468.13551 (17070406) 470.46073
(17123106)
230.0 | 646.65738 (17090407) 599.65405 (17090407) 547.03517 (17090407) 485.18512 (17090407) 464.63406
(17090407)
240.0 | 737.65070 (17011708) 668.06363 (17011708) 574.09052 (17011708) 511.81602 (17011708) 513.56668
(17021106)
250.0 | 821.79818 (17112506) 741.92099 (17112506) 695.30193 (17112506) 610.97515 (17112506) 540.81538
(17112506)
260.0 | 917.75982 (17021207) 819.85098 (17021207) 741.77939 (17021207) 668.89030 (17021207) 634.12070
(17021207)
270.0 | 969.54227 (17120606) 880.43908 (17011907) 800.56772 (17011907) 747.99190 (17011907) 699.42814
(17120606)
280.0 | 959.67481 (17032806) 866.07632 (17032806) 795.88523 (17032806) 739.69457 (17032806) 696.28108
(17032806)
290.0 | 850.08171 (17122307) 785.71492 (17122307) 729.61715 (17122307) 686.52780 (17122307) 638.69942
(17122307)
300.0 | 981.57202 (17021408) 889.95187 (17021408) 813.11952 (17021408) 755.16134 (17021408) 725.50356
(17021408)
310.0 | 840.15138 (17081707) 768.26423 (17081707) 713.03972 (17081707) 646.97104 (17081707) 603.32112
(17081707)
320.0 | 908.26942 (17081706) 823.43263 (17081706) 792.23418 (17081706) 702.53084 (17081706) 652.54444
(17081706)
330.0 | 957.80841 (17122406) 877.91854 (17122406) 790.78260 (17122406) 705.74222 (17122406) 672.55023
(17122406)
340.0 | 696.76765 (17080220) 644.20304 (17080220) 574.05436 (17062920) 533.14325 (17062920) 501.96624
(17062920)
350.0 | 920.46540 (17082321) 842.77864 (17082321) 782.55039 (17082321) 725.74794 (17082321) 680.53667
(17082321)
360.0 | 1137.41859 (17072120) 1051.21500 (17072120) 974.63556 (17072120) 897.72977 (17072120) 832.12147
(17072120)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	6175.07283	(17013020)	TANK	498.87	129.50	5131.88350	(17013021)
TANK	81.43	359.00	51530.24418	(17122007)	TANK	116.79	44.50	35409.48575	(17081620)
TANK	109.20	67.00	29047.80288	(17070120)	TANK	100.70	93.73	24126.22023	(17042507)
TANK	87.91	103.99	34287.43048	(17012421)	TANK	99.82	123.38	36553.39683	(17102921)
TANK	138.00	141.00	26393.46632	(17012407)	TANK	106.00	180.00	39809.98060	(17121520)
TANK	115.60	206.00	31198.27957	(17022007)	TANK	54.00	270.00	68289.56731	(17011907)
TANK	97.00	326.00	38779.30232	(17122406)	TANK	133.94	242.10	25011.84241	(17021106)
TANK	101.99	301.65	36650.69885	(17021408)	TANK	236.54	274.95	12999.37083	(17120606)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	33976.29924 (17072120)	13989.31936 (17072120)	8193.38119 (17010407)	5825.37290 (17010407)	4411.56262 (17010407)
20.0	31386.39745 (17121718)	14428.72297 (17122619)	8938.44872 (17123120)	6268.28526 (17121718)	4684.04332 (17121718)
30.0	30013.26092 (17010119)	13627.56341 (17122106)	8321.39537 (17122106)	5693.85918 (17062706)	4217.23615 (17122106)
40.0	39633.55830 (17123118)	17808.31041 (17081620)	10630.13256 (17081620)	7273.06250 (17081620)	5311.01650 (17060420)
50.0	37602.90889 (17081620)	17069.42402 (17120518)	10505.79422 (17120518)	7121.51590 (17123119)	5112.85036 (17123119)
60.0	33278.33581 (17060420)	12412.14750 (17120519)	7916.38197 (17120519)	5602.95069 (17120519)	4216.81278 (17120519)
70.0	27341.02393 (17013119)	12119.77681 (17013119)	7187.58691 (17013119)	4856.15160 (17030208)	3628.84652 (17030208)
80.0	28643.17900 (17013119)	13535.10021 (17013119)	8316.08115 (17013119)	5732.28526 (17011820)	4251.39243 (17011820)
90.0	23586.81918 (17121518)	10452.60065 (17091219)	6327.01470 (17091219)	4424.21459 (17021306)	3315.80884 (17021306)
100.0	25238.24134 (17081221)	11624.72140 (17060421)	6927.09141 (17032519)	4849.99071 (17032519)	3587.43168 (17032519)
110.0	29902.99560 (17012420)	13895.03772 (17012420)	8373.45862 (17012420)	5626.55917 (17012420)	4165.06221 (17012420)
120.0	31777.99133 (17013121)	14150.76691 (17090619)	8353.05939 (17013021)	5599.15728 (17090619)	4130.76617 (17013020)
130.0	36304.62567 (17013021)	16312.43922 (17050706)	9384.51500 (17050706)	6150.08174 (17050706)	4549.66465 (17121320)
140.0	36676.60772 (17120520)	16054.51433 (17103119)	9496.56460 (17050706)	6421.19809 (17050706)	

4683.05475 (17050706)
150.0 | 37273.08853 (17051206) 17619.08331 (17051206) 10554.61211 (17121321) 6960.45212 (17121321)
4995.93811 (17121321)
160.0 | 39903.41207 (17112521) 18569.15737 (17112521) 10669.55688 (17022721) 7367.96588 (17022721)
5531.95103 (17022721)
170.0 | 41471.31742 (17122620) 16702.02856 (17010421) 9534.66312 (17010421) 6421.45070 (17121120)
4830.59695 (17110706)
180.0 | 39839.06737 (17121521) 17530.45362 (17031007) 10476.85386 (17031007) 7200.55406 (17031007)
5334.49740 (17031007)
190.0 | 37662.99510 (17062806) 15892.50860 (17062806) 9183.52863 (17062806) 6199.39364 (17062806)
4613.92918 (17062806)
200.0 | 34608.68254 (17062806) 14618.06604 (17062806) 8533.02210 (17022006) 5707.55868 (17022006)
4295.66197 (17022006)
210.0 | 34857.75227 (17030807) 14999.32309 (17110707) 8976.02843 (17110707) 6127.41986 (17080520)
4448.76102 (17080520)
220.0 | 29544.79974 (17070406) 12324.21464 (17123106) 7295.13606 (17123106) 5003.09908 (17123106)
3658.47322 (17011906)
230.0 | 28996.63872 (17112508) 11905.82679 (17112508) 6787.28203 (17112508) 4593.35503 (17120308)
3385.47903 (17120308)
240.0 | 33263.48000 (17121721) 13808.35736 (17021407) 8100.74456 (17011708) 5481.46459 (17112506)
4025.88504 (17112506)
250.0 | 35183.01184 (17021106) 14882.87870 (17021106) 8708.20844 (17021407) 5869.79305 (17021407)
4452.82514 (17021407)
260.0 | 32951.04474 (17020107) 14411.96498 (17020107) 8530.48773 (17020107) 5868.14576 (17020107)
4353.86190 (17020107)
270.0 | 36030.67519 (17120606) 15762.58469 (17020106) 9302.33957 (17020106) 6327.21668 (17020106)
4660.55961 (17020106)
280.0 | 34627.67385 (17120606) 14725.59941 (17070606) 8703.97020 (17070606) 5882.63373 (17090406)
4374.62091 (17090406)
290.0 | 31808.25579 (17081907) 13687.41483 (17071606) 8024.00737 (17021408) 5412.50423 (17062306)
4012.17409 (17062306)
300.0 | 34508.20758 (17081907) 14887.05418 (17081907) 8760.34174 (17081907) 5890.75252 (17081907)
4271.40738 (17081907)
310.0 | 30612.45834 (17021408) 12445.92428 (17081707) 7384.28462 (17121720) 4861.39313 (17033006)
3601.65810 (17033006)
320.0 | 32889.14819 (17122406) 14304.34636 (17122406) 8428.80296 (17011908) 5710.79560 (17011908)
4181.25886 (17081706)
330.0 | 35587.27606 (17011908) 15329.57474 (17011908) 9010.07795 (17011908) 6039.29090 (17011908)
4411.46962 (17011908)
340.0 | 29469.87383 (17122406) 11456.98567 (17080220) 6550.77856 (17121808) 4414.78165 (17070906)
3265.09556 (17070906)
350.0 | 26814.53679 (17121719) 11451.61769 (17053106) 7056.75311 (17053106) 4920.59917 (17053106)
3666.20242 (17053106)
360.0 | 36493.92945 (17072120) 15166.56271 (17122007) 8342.81158 (17122007) 5364.75788 (17122007)
3925.19893 (17010120)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 31
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 600.00 700.00 800.00 900.00 1000.00

10.0 | 3494.45782 (17010407) 2812.99186 (17121719) 2310.52107 (17121719) 1900.29431 (17022507) 1662.78936 (17022507)
20.0 | 3680.98119 (17121718) 2972.78006 (17121718) 2459.43587 (17121718) 2105.57757 (17121718) 1819.99352 (17121718)
30.0 | 3307.03488 (17122106) 2678.73223 (17122106) 2200.35111 (17122106) 1855.69945 (17010118) 1612.13260 (17010118)
40.0 | 4005.83268 (17060420) 3164.19960 (17021906) 2623.32030 (17021906) 2211.88130 (17021906) 1924.44898 (17021906)
50.0 | 3930.89355 (17123119) 3006.98270 (17123119) 2423.52317 (17123119) 1967.24145 (17123119) 1699.46072 (17123119)
60.0 | 3300.63579 (17120519) 2661.26146 (17120519) 2141.20228 (17120519) 1823.22328 (17120519) 1693.50784 (17120519)
70.0 | 2813.10220 (17030208) 2274.03266 (17083021) 1865.83814 (17083021) 1655.14160 (17112320) 1438.24994 (17112320)
80.0 | 3231.44692 (17011820) 2535.40558 (17011820) 2103.12665 (17011820) 1958.69894 (17011820) 1723.17766 (17011820)
90.0 | 2600.24806 (17111818) 2039.83238 (17111818) 1779.51941 (17111818) 1516.40201 (17032121) 1327.35291 (17032121)
100.0 | 2829.72359 (17032519) 2208.81467 (17032519) 1946.19143 (17032519) 1656.77722 (17032519) 1449.21090 (17032519)
110.0 | 3248.39536 (17012420) 2501.01958 (17012420) 2240.10738 (17012420) 1975.71268 (17012420) 1704.84433 (17012420)
120.0 | 3188.34789 (17013020) 2477.58550 (17013020) 2203.38666 (17013020) 1994.02322 (17013020) 1709.44758 (17013020)
130.0 | 3544.65695 (17121320) 2728.75363 (17121320) 2350.52266 (17121320) 2176.77693 (17121320) 1896.63664 (17121320)
140.0 | 3647.28703 (17050706) 2712.61799 (17050706) 2174.95203 (17050706) 1851.15332 (17050706) 1719.45739 (17050706)
150.0 | 3832.15459 (17091221) 3060.45270 (17091221) 2509.82592 (17091221) 1986.62637 (17091221) 1720.52198 (17091221)
160.0 | 4331.67054 (17022721) 3530.02459 (17022721) 2856.26241 (17022721) 2260.73543 (17022721) 2017.08851 (17022721)
170.0 | 3781.88258 (17121120) 3046.37307 (17121120) 2513.82944 (17121120) 2288.60651 (17121120) 1765.34288 (17121120)
180.0 | 4164.51799 (17031007) 3353.43824 (17031007) 2755.33743 (17031007) 2337.05132 (17031007) 1966.21092 (17031007)
190.0 | 3610.05838 (17062806) 2887.46502 (17091420) 2372.51766 (17091420) 2017.29355 (17091420) 1719.32710 (17091420)
200.0 | 3333.07214 (17022006) 2676.85139 (17022006) 2187.82888 (17022006) 1836.30954 (17022006) 1565.86056 (17022006)
210.0 | 3443.10786 (17080520) 2925.79112 (17080520) 2293.22620 (17080520) 1949.14704 (17080520) 1617.04012 (17080520)
220.0 | 2753.27468 (17011906) 2458.46749 (17011906) 2028.80098 (17011906) 1568.64057 (17011906) 1335.68739 (17011906)
230.0 | 2695.22053 (17120308) 2128.15343 (17120308) 1752.21390 (17120308) 1480.12818 (17120308) 1280.54494 (17120308)
240.0 | 3200.39258 (17112508) 2522.39861 (17112508) 2066.59050 (17011708) 1736.69097 (17011708) 1491.92864 (17011708)
250.0 | 3430.45374 (17021407) 2757.75997 (17021407) 2276.81897 (17072006) 1946.78969 (17081106) 1627.65412 (17081106)
260.0 | 3418.35773 (17020107) 2761.92684 (17020107) 2286.90438 (17020107) 1946.74885 (17020107) 1677.31605 (17020107)
270.0 | 3708.72175 (17020106) 2959.55417 (17020106) 2461.88955 (17020106) 2055.03898 (17020106) 1722.71937 (17020106)
280.0 | 3411.25154 (17090406) 2774.46508 (17090406) 2287.23744 (17090406) 1912.55556 (17090406) 1657.74393 (17090406)
290.0 | 3116.31984 (17062306) 2523.61196 (17082421) 2094.18259 (17082421) 1773.47445 (17082421) 1534.50304 (17122307)
300.0 | 3325.79371 (17081907) 2663.31923 (17081907) 2186.07919 (17120118) 1880.06682 (17120118) 1649.99574 (17120118)
310.0 | 2805.65563 (17033006) 2294.85316 (17033006) 1925.02235 (17033006) 1644.25859 (17033006)

1406.24104 (17033006)
320.0 | 3278.94592 (17060206) 2685.36005 (17060206) 2270.00379 (17060206) 1952.94177 (17060206)
1664.47723 (17060206)
330.0 | 3422.41408 (17011908) 2712.61555 (17011908) 2295.86718 (17011908) 1960.58296 (17011908)
1653.30126 (17022121)
340.0 | 2557.35203 (17071806) 2074.37120 (17071806) 1756.45335 (17122320) 1505.91667 (17062920)
1310.28708 (17062920)
350.0 | 2865.64750 (17053106) 2334.75382 (17053106) 1976.69934 (17053106) 1712.92675 (17053106)
1491.47246 (17053106)
360.0 | 3115.96634 (17010120) 2545.61802 (17010120) 2141.32444 (17010120) 1833.17635 (17010120)
1593.14080 (17010120)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1468.24795 (17022507)	1311.73799 (17022507)	1177.20714 (17022507)	1069.69242 (17022507)	977.28860 (17022507)
20.0	1598.42465 (17121718)	1426.23288 (17121718)	1274.00494 (17121718)	1150.32245 (17121718)	1043.84166 (17121718)
30.0	1413.33683 (17010118)	1250.02749 (17010118)	1123.17843 (17010118)	1013.30601 (17010118)	913.25852 (17010118)
40.0	1562.15102 (17021906)	1386.73185 (17021906)	1242.79439 (17021906)	1122.40053 (17021906)	1019.75933 (17021906)
50.0	1532.81887 (17123119)	1314.55123 (17123119)	1158.60102 (17122419)	1061.43145 (17122419)	973.61048 (17122419)
60.0	1502.82631 (17120519)	1317.65149 (17120519)	1201.46853 (17120519)	1094.92841 (17120519)	1007.37005 (17120519)
70.0	1255.46661 (17112320)	1105.13714 (17112320)	980.59502 (17112320)	883.75164 (17031906)	804.44533 (17031906)
80.0	1538.98511 (17011820)	1370.93919 (17011820)	1223.59935 (17011820)	1093.39977 (17011820)	988.04250 (17011820)
90.0	1172.27588 (17032121)	1034.45829 (17021306)	933.08962 (17021306)	845.39690 (17032121)	767.26155 (17032121)
100.0	1269.29831 (17032519)	1128.06798 (17032519)	1040.91252 (17032519)	944.30847 (17032519)	865.21410 (17032519)
110.0	1425.18213 (17012420)	1273.72335 (17012420)	1150.07452 (17012420)	1026.86963 (17012420)	933.68335 (17012420)
120.0	1512.80362 (17013020)	1272.91495 (17013020)	1169.53504 (17013020)	1064.20197 (17013020)	942.91668 (17013020)
130.0	1655.36212 (17121320)	1425.95423 (17121320)	1245.46594 (17121320)	1110.48962 (17121320)	1007.82662 (17121320)
140.0	1509.89328 (17050706)	1343.67616 (17012407)	1188.74269 (17012407)	1083.95600 (17012407)	991.10665 (17090620)
150.0	1697.56480 (17091221)	1485.34410 (17091221)	1324.50245 (17091221)	1197.34656 (17091221)	1156.57665 (17091221)
160.0	1637.89415 (17022721)	1454.36946 (17022721)	1473.49919 (17022721)	1383.33959 (17022721)	1215.87865 (17022721)
170.0	1602.39753 (17091806)	1296.35348 (17121120)	1151.57995 (17121120)	1090.65980 (17091806)	

1040.47636 (17091806)
180.0 | 1777.13159 (17031007) 1501.17081 (17031007) 1248.60796 (17031007) 1116.57084 (17031007)
1111.58077 (17031007)
190.0 | 1514.63438 (17091420) 1352.54728 (17091420) 1152.25995 (17091420) 1072.40145 (17091420)
835.38090 (17091420)
200.0 | 1375.44587 (17022006) 1206.42070 (17022006) 1101.52723 (17022006) 1015.79388 (17110906)
1028.32932 (17112219)
210.0 | 1414.85868 (17080520) 1237.11228 (17080520) 1118.07022 (17080520) 998.45724 (17080520) 970.95823
(17080520)
220.0 | 1128.31672 (17011906) 966.35658 (17011906) 853.53819 (17011906) 764.93996 (17011906) 684.63712
(17011906)
230.0 | 1124.61173 (17120308) 988.34351 (17120308) 848.95252 (17120308) 769.93114 (17120308) 668.83476
(17120308)
240.0 | 1306.73730 (17011708) 1140.41221 (17011708) 1035.31589 (17112508) 925.11041 (17112508) 804.74515
(17112508)
250.0 | 1418.10455 (17081106) 1238.30303 (17081106) 1107.14606 (17081106) 994.86637 (17081106) 891.88119
(17081106)
260.0 | 1467.66174 (17020107) 1298.08150 (17020107) 1155.70643 (17020107) 1031.48230 (17020107)
929.03750 (17020107)
270.0 | 1515.21614 (17071706) 1334.44163 (17071706) 1202.62620 (17020106) 1093.34820 (17020106)
995.30065 (17020106)
280.0 | 1421.84143 (17090406) 1307.43005 (17090406) 1183.91599 (17013106) 1089.42768 (17013106)
1019.70221 (17013106)
290.0 | 1367.10581 (17082421) 1212.54455 (17082421) 1105.16012 (17082421) 1001.63551 (17082421)
914.03584 (17082421)
300.0 | 1482.30439 (17120118) 1299.44385 (17120118) 1162.00863 (17120118) 1053.07232 (17120118) 985.46520
(17120118)
310.0 | 1237.33564 (17081806) 1114.23176 (17081806) 1022.05335 (17081806) 931.34457 (17081806) 811.60494
(17081806)
320.0 | 1457.62638 (17060206) 1340.95487 (17060206) 1214.91568 (17060206) 1107.74765 (17060206)
1015.45809 (17060206)
330.0 | 1479.90099 (17022121) 1299.69504 (17022121) 1159.32351 (17022121) 1059.34425 (17022121)
965.28526 (17022121)
340.0 | 1157.23864 (17062920) 1026.84131 (17062920) 920.02688 (17062920) 835.68979 (17062920) 769.02515
(17062920)
350.0 | 1310.14680 (17053106) 1171.21601 (17053106) 1048.09408 (17053106) 946.06538 (17053106) 861.93159
(17053106)
360.0 | 1395.35178 (17010120) 1240.52164 (17010120) 1114.40211 (17010120) 1008.11367 (17010120) 925.43654
(17010120)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 33
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 1600.00 1700.00 1800.00 1900.00 2000.00

10.0 | 897.47798 (17022507) 825.82596 (17022507) 763.68062 (17022507) 702.22318 (17022507) 644.49385
(17022507)
20.0 | 945.93132 (17121718) 847.20361 (17121718) 783.80125 (17121718) 735.26707 (17121718) 685.07737
(17013006)
30.0 | 830.50760 (17010118) 763.15823 (17010118) 703.72136 (17010118) 649.90485 (17010118) 606.03595

(17010118)					
40.0	931.07873 (17021906)	853.49725 (17021906)	777.22633 (17111821)	717.88117 (17111821)	665.47981
(17111821)					
50.0	883.90992 (17122419)	820.26266 (17122419)	753.92894 (17122419)	697.10890 (17122419)	655.45048
(17122419)					
60.0	924.85611 (17120519)	858.43670 (17120519)	781.72819 (17120519)	723.89712 (17120519)	679.81713
(17120519)					
70.0	750.51543 (17031906)	680.69658 (17031906)	631.42358 (17031906)	584.85654 (17031906)	552.34036
(17031906)					
80.0	899.53818 (17011820)	821.14206 (17011820)	742.70682 (17011820)	702.34899 (17011820)	659.49022
(17011820)					
90.0	699.05662 (17032121)	643.14996 (17121518)	582.10143 (17021306)	548.57638 (17032120)	513.36968
(17032120)					
100.0	795.60843 (17032519)	731.19613 (17032519)	678.40474 (17032519)	621.42505 (17032519)	584.33750
(17032519)					
110.0	874.38259 (17012420)	797.89069 (17012420)	734.49841 (17012420)	673.65860 (17012420)	625.84784
(17012420)					
120.0	867.95805 (17013020)	804.67480 (17013020)	757.16665 (17013020)	699.73402 (17013020)	652.64974
(17013020)					
130.0	933.48992 (17121320)	876.32966 (17121320)	820.91913 (17121320)	782.67700 (17121320)	718.57877
(17121320)					
140.0	907.68704 (17090620)	831.35081 (17012407)	761.82731 (17042221)	717.91010 (17050706)	662.99765
(17050706)					
150.0	1092.28969 (17091221)	945.57527 (17091221)	884.36016 (17091221)	826.92210 (17091221)	782.58017
(17091221)					
160.0	1035.47868 (17022721)	1010.84634 (17022721)	943.27905 (17022721)	894.22340 (17022721)	827.81105
(17022721)					
170.0	927.63978 (17091806)	867.35666 (17091806)	813.94383 (17091806)	762.15879 (17091806)	719.05297
(17091806)					
180.0	1034.57118 (17031007)	937.30446 (17031007)	866.09537 (17031007)	796.16362 (17031007)	738.17093
(17031007)					
190.0	761.31484 (17091420)	697.98628 (17091420)	645.32992 (17091420)	691.54042 (17091420)	651.40329
(17091420)					
200.0	875.83869 (17112219)	654.13236 (17022006)	604.99796 (17022006)	622.05378 (17110906)	581.91800
(17112219)					
210.0	742.52891 (17080520)	683.51730 (17080520)	632.18112 (17080520)	629.70191 (17080520)	596.51272
(17080520)					
220.0	713.00916 (17020606)	521.53559 (17011906)	482.39394 (17011906)	448.11369 (17011906)	430.60604
(17011906)					
230.0	619.96468 (17120308)	576.92988 (17120308)	526.22988 (17120308)	469.82883 (17120308)	446.31547
(17120308)					
240.0	733.66080 (17112508)	663.69387 (17112508)	573.32577 (17021106)	510.75824 (17021106)	508.75658
(17112508)					
250.0	814.19688 (17081106)	735.45886 (17081106)	688.99518 (17081106)	606.15708 (17081106)	536.87559
(17081106)					
260.0	848.57295 (17020107)	759.51087 (17020107)	688.12539 (17020107)	621.61392 (17020107)	588.73243
(17020107)					
270.0	914.11388 (17020106)	829.69766 (17020106)	754.04347 (17020106)	704.62812 (17020106)	658.99110
(17071706)					
280.0	917.62783 (17013106)	826.35618 (17013106)	761.49646 (17013106)	711.99152 (17013106)	673.27556
(17013106)					
290.0	843.33121 (17082421)	779.56059 (17082421)	723.96858 (17082421)	681.64443 (17082421)	633.98898
(17082421)					
300.0	883.69752 (17120118)	810.94985 (17120118)	747.51873 (17120118)	695.96102 (17120118)	665.78422
(17120118)					
310.0	761.18415 (17081806)	695.70609 (17081806)	645.14058 (17081806)	585.01290 (17081806)	545.41471
(17081806)					
320.0	906.52392 (17060206)	821.80803 (17060206)	790.74049 (17060206)	701.12019 (17060206)	651.22398
(17060206)					
330.0	882.63014 (17022121)	817.94223 (17022121)	733.92355 (17022121)	659.41371 (17022121)	627.36106
(17022121)					
340.0	695.69019 (17062920)	642.68563 (17062920)	572.95281 (17080220)	528.79413 (17071806)	498.78007

(17080220)
350.0 | 802.37302 (17053106) 736.65814 (17053106) 683.73929 (17053106) 634.76118 (17053106) 594.61307 (17053106)
360.0 | 851.08363 (17010120) 786.25164 (17010120) 729.17980 (17010120) 675.31594 (17010120) 628.25818 (17010120)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 34
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)
TANK	375.70	118.90	6151.50445	(17032921)	TANK	498.87	129.50	4542.50262	(17121320)
TANK	81.43	359.00	43727.28549	(17072120)	TANK	116.79	44.50	28712.56625	(17123118)
TANK	109.20	67.00	25826.59206	(17011821)	TANK	100.70	93.73	23536.08732	(17121518)
TANK	87.91	103.99	31003.86413	(17081221)	TANK	99.82	123.38	31244.57919	(17090619)
TANK	138.00	141.00	25701.17586	(17103119)	TANK	106.00	180.00	37013.71332	(17121521)
TANK	115.60	206.00	29831.73938	(17051106)	TANK	54.00	270.00	67584.16993	(17120606)
TANK	97.00	326.00	36963.36576	(17011908)	TANK	133.94	242.10	24084.96777	(17021407)
TANK	101.99	301.65	33038.37969	(17081907)	TANK	236.54	274.95	12831.83981	(17021706)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 35
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	10374.33002 (17122024)	4756.53469 (17122024)	2931.37833 (17122024)	2045.13859 (17122024)	1519.54817 (17122024)
20.0	9150.13527 (17121724)	3494.87571 (17122024)	2104.53444 (17122108)	1453.94931 (17122108)	1082.46164 (17122108)
30.0	9958.86102 (17123124)	3925.09084 (17123124)	2187.48544 (17123124)	1477.18473 (17122108)	1065.49011 (17122108)
40.0	13663.94103 (17123124)	6023.71917 (17120624)	3687.72024 (17120624)	2565.99817 (17120624)	1918.85625 (17120624)
50.0	13306.11236 (17123124)	5197.36769 (17123124)	2870.78911 (17123124)	1877.98982 (17120624)	1340.22175 (17120624)
60.0	9424.52444 (17030124)	4232.73090 (17030124)	2594.12251 (17030124)	1804.39307 (17030124)	1330.46810 (17030124)
70.0	9481.92839 (17083024)	4066.37159 (17083024)	2424.77434 (17083024)	1647.39719 (17083024)	1195.41173

(17083024)
80.0 | 10752.41012 (17011824) 5068.57765 (17011824) 3123.64665 (17011824) 2149.12199 (17011824)
1594.75156 (17011824)
90.0 | 8128.49994 (17072724) 3714.36311 (17032124) 2302.30068 (17032124) 1603.40811 (17032124) 1189.19304
(17032124)
100.0 | 9638.14141 (17012424) 3789.79137c(17010524) 2218.67889c(17010524) 1493.34493c(17010524)
1087.07350c(17010524)
110.0 | 12278.79846 (17012424) 5560.38843 (17012424) 3305.34015 (17012424) 2215.42091 (17012424)
1618.53881 (17012424)
120.0 | 10003.50285c(17092524) 4425.33958 (17012424) 2673.11307 (17012424) 1805.44327 (17012424)
1321.38772 (17012424)
130.0 | 11505.16931 (17102924) 5020.05983 (17102924) 2937.04989 (17102924) 1942.31379 (17102924)
1409.70080 (17102924)
140.0 | 11214.13562 (17102524) 5222.21692 (17102524) 3145.12110 (17102524) 2131.03021 (17102524)
1556.56307 (17102524)
150.0 | 9774.24997 (17020524) 4468.00589 (17110724) 2764.70268c(17092624) 1897.21919c(17092624)
1406.36502c(17092624)
160.0 | 11023.55540 (17010424) 4934.41103 (17010424) 2883.86147 (17010424) 1945.86060 (17010424)
1431.76975 (17010424)
170.0 | 11699.04040 (17112416) 4272.75383 (17110324) 2682.66527 (17110324) 1873.82218 (17110324)
1389.88955 (17110324)
180.0 | 10376.30029 (17031008) 4508.70338 (17122624) 2695.03374 (17122624) 1856.45825 (17122624)
1378.94224 (17122624)
190.0 | 8754.97940 (17122516) 3729.84339 (17022224) 2156.57476 (17022224) 1443.81807 (17020308)
1056.70316 (17020308)
200.0 | 10759.40979 (17022008) 4552.27874 (17022008) 2586.44768 (17022008) 1710.47499 (17022008)
1240.36036 (17022008)
210.0 | 11369.75491 (17022008) 4973.77133 (17022008) 2939.83357 (17022008) 1997.32835 (17022008)
1455.53738 (17022008)
220.0 | 9085.05926 (17120308) 3837.28543 (17120308) 2246.26436 (17020608) 1524.78650 (17020608)
1120.89095 (17020608)
230.0 | 10565.20034c(17112508) 4351.53221 (17112724) 2518.20707 (17112724) 1686.56988 (17112724)
1222.01728 (17112724)
240.0 | 10982.64226c(17112508) 4422.23071c(17112508) 2514.70788 (17112724) 1669.24350 (17112724)
1213.18016 (17110224)
250.0 | 12328.82196 (17021108) 5152.47226 (17021108) 2959.61133 (17021108) 1970.28358 (17021108)
1454.49813 (17021108)
260.0 | 11794.71747 (17021108) 4833.23154 (17020108) 2842.47505 (17020108) 1937.15856 (17020108)
1424.14282 (17020108)
270.0 | 11090.99356 (17020108) 4668.62551 (17020108) 2694.94971 (17020108) 1793.42422 (17020108)
1301.66151 (17020108)
280.0 | 9273.98513c(17010608) 4096.39403c(17010608) 2377.11353c(17010608) 1611.28781c(17010608)
1157.38375c(17010608)
290.0 | 12289.95496c(17010608) 5669.86533c(17010608) 3484.97398c(17010608) 2415.18128c(17010608)
1803.82443c(17010608)
300.0 | 11081.72828c(17010608) 4719.69013c(17010608) 2688.76845c(17010608) 1771.71607c(17010608)
1265.07144c(17010608)
310.0 | 7669.08965 (17021824) 3195.16928 (17021824) 1915.24443 (17020708) 1348.28288 (17020708)
1018.49684 (17020708)
320.0 | 9193.37877c(17122408) 4141.23130c(17122408) 2456.62364c(17122408) 1666.77457c(17122408)
1215.01494c(17122408)
330.0 | 11626.40878c(17122408) 5291.70649c(17122408) 3199.43758c(17122408) 2209.08509c(17122408)
1644.25830c(17122408)
340.0 | 9654.24027c(17122408) 3811.67722c(17122408) 2096.05904c(17122408) 1387.96276 (17122324)
1042.38633 (17122324)
350.0 | 9104.18181 (17122008) 3848.30695 (17122324) 2293.82509 (17122324) 1560.74514 (17122324)
1144.91214 (17122324)
360.0 | 9220.05022 (17012024) 4103.17102 (17012024) 2490.93980 (17012024) 1729.71389 (17020824)
1323.90426 (17020824)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	1191.59567 (17122024)	963.61053 (17122024)	794.79585 (17122024)	675.28760 (17122024)	573.86677 (17122024)
20.0	844.41636 (17122108)	682.74539 (17122108)	565.09359 (17122108)	479.29868 (17122108)	414.19969 (17122108)
30.0	821.32405 (17122108)	662.33778 (17122108)	535.44638 (17122108)	450.60323 (17010124)	383.35153 (17010124)
40.0	1501.61104 (17120624)	1225.21282 (17120624)	1017.06708 (17120624)	860.16781 (17120624)	742.31575 (17120624)
50.0	1025.79627 (17120624)	844.96707 (17120624)	688.80356 (17120624)	576.61698 (17120624)	483.67559 (17120624)
60.0	1041.96689 (17030124)	836.41481 (17030124)	673.56046 (17030124)	571.16840 (17030124)	507.62248 (17030124)
70.0	897.76394 (17083024)	735.46576 (17083024)	598.95203 (17083024)	508.15865 (17083024)	440.32171 (17083024)
80.0	1210.76639 (17011824)	949.71054 (17011824)	790.04442 (17011824)	732.12263 (17011824)	643.05429 (17011824)
90.0	927.02437 (17032124)	725.73659 (17032124)	625.91247 (17032124)	535.11136 (17032124)	466.60343 (17032124)
100.0	823.99082c(17010524)	646.44816c(17010524)	535.70876c(17010524)	448.20937c(17010524)	387.29722c(17010524)
110.0	1248.43345 (17012424)	962.47916 (17012424)	840.67954 (17012424)	722.88747 (17012424)	618.21951 (17012424)
120.0	1012.56349 (17012424)	798.22807 (17012424)	654.41482 (17012424)	529.94143 (17012424)	460.52182 (17012424)
130.0	1060.52872 (17102924)	822.46557 (17102924)	687.69547 (17102924)	581.79344 (17102924)	503.33075 (17102924)
140.0	1186.29615 (17102524)	918.62079 (17102524)	740.22999 (17012724)	625.44115 (17012724)	568.94867 (17012724)
150.0	1082.98770c(17092624)	862.66904c(17092624)	709.09159c(17092624)	573.95780c(17092624)	489.01507c(17092624)
160.0	1104.51291 (17010424)	888.41248 (17010424)	717.79008 (17010424)	572.13189 (17010424)	504.41532 (17010424)
170.0	1082.60727 (17110324)	877.77165 (17110324)	728.59795 (17110324)	636.18263 (17082808)	518.83771 (17110324)
180.0	1081.68326 (17122624)	874.99879 (17122624)	721.26544 (17122624)	612.73496 (17122624)	515.18922 (17122624)
190.0	813.77010 (17020308)	650.34123 (17020308)	533.77393 (17020308)	455.82664 (17020308)	385.34105 (17020308)
200.0	944.84333 (17022008)	748.51613 (17022008)	608.51603 (17022008)	503.79812 (17022008)	424.70355 (17022008)
210.0	1131.95836 (17022008)	960.15495 (17022008)	760.56730 (17022008)	644.13022 (17022008)	537.19249 (17022008)
220.0	859.23069 (17020608)	734.84160 (17020608)	609.17732 (17020608)	481.31349 (17020608)	411.19968 (17020608)
230.0	934.40241 (17112724)	736.79318 (17011208)	606.67670 (17011208)	512.57468 (17011208)	443.92726 (17011208)
240.0	941.15307 (17011224)	748.27268 (17011224)	619.86301 (17110224)	516.13471 (17110224)	436.77034

(17011224)
250.0 | 1106.34513 (17021108) 890.08198 (17021108) 723.29652 (17011124) 614.24211 (17021108) 518.75688 (17011124)
260.0 | 1096.25464 (17020108) 881.96567 (17020108) 732.63039 (17020108) 615.92856 (17020108) 525.77443 (17020108)
270.0 | 1008.95497 (17020108) 801.72114 (17020108) 653.81604 (17020108) 543.89685 (17020108) 457.27264 (17020108)
280.0 | 874.75137 (17010108) 708.42955 (17010108) 588.39627 (17010108) 495.84803 (17010108) 429.92456 (17010108)
290.0 | 1406.70162c(17010608) 1140.77058c(17010608) 947.13728c(17010608) 803.20003c(17010608) 694.53774c(17010608)
300.0 | 959.02195c(17010608) 754.19887c(17010608) 607.17093c(17010608) 492.16017c(17010608) 413.68350c(17010608)
310.0 | 801.87780 (17020708) 654.77132 (17020708) 549.03306 (17020708) 471.11732 (17020708) 406.55763 (17020708)
320.0 | 929.20064c(17122408) 758.92407 (17121208) 629.89250 (17121208) 530.24403 (17121208) 453.97525 (17121208)
330.0 | 1287.92654c(17122408) 1042.03687c(17122408) 880.11798c(17122408) 758.66582c(17122408) 657.78233c(17122408)
340.0 | 810.40516 (17122324) 652.93877 (17122324) 552.86050 (17122324) 463.58362 (17122324) 400.59236 (17122324)
350.0 | 884.67676 (17122324) 708.24046 (17122324) 592.60086 (17122008) 516.17140 (17122008) 447.75805 (17122008)
360.0 | 1055.49484 (17020824) 861.63647 (17020824) 719.85673 (17020824) 612.79887 (17020824) 532.48606 (17020824)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	504.57791 (17122024)	447.53728 (17010224)	399.32658 (17010224)	358.51288 (17010224)	325.90453 (17010224)
20.0	362.08441 (17122108)	319.75129 (17122108)	286.30542 (17122108)	256.44838 (17122108)	232.34947 (17122108)
30.0	330.74419 (17010124)	291.71573 (17010124)	262.99073 (17010124)	233.71545 (17010124)	209.55231 (17010124)
40.0	619.07176 (17120624)	547.34964 (17120624)	488.30672 (17120624)	438.35615 (17120624)	394.61405 (17120624)
50.0	418.57764 (17091324)	359.87892 (17091324)	321.82183 (17091324)	291.66458 (17091324)	256.41802 (17091324)
60.0	446.35689 (17030124)	391.35603 (17030124)	354.51923 (17030124)	319.26690 (17030124)	289.33625 (17030124)
70.0	383.77680 (17083024)	335.64547 (17083024)	297.08623 (17083024)	267.96022 (17083024)	243.37764 (17083024)
80.0	573.51532 (17011824)	509.61869 (17011824)	454.44109 (17011824)	406.45719 (17011824)	366.99361 (17011824)
90.0	410.98705 (17032124)	364.99652 (17032124)	327.47692 (17032124)	295.73409 (17032124)	268.20577 (17032124)
100.0	330.83912c(17010524)	290.13911c(17010524)	255.37893c(17010524)	230.97948c(17010524)	

211.00136c(17010524)
110.0 | 526.56226 (17012424) 463.07038 (17012424) 418.25419 (17012424) 370.49723 (17012424) 338.55817 (17012424)
120.0 | 385.01768 (17012424) 346.63446 (17012424) 301.89892 (17012424) 270.39466 (17012424) 241.36352 (17012424)
130.0 | 433.18401 (17021324) 378.83527 (17021324) 333.97512 (17021324) 298.95647 (17021324) 271.02321 (17021324)
140.0 | 496.60093 (17012724) 435.80844 (17012724) 387.62235 (17121924) 351.72952 (17121924) 319.11129 (17121924)
150.0 | 455.08684c(17092624) 397.17934c(17092624) 353.84652 (17112424) 319.77040 (17112424) 297.94727c(17092624)
160.0 | 413.27223 (17010424) 364.97895 (17010424) 354.80779 (17010424) 325.15248 (17010424) 285.80308 (17010424)
170.0 | 461.41821 (17110324) 384.31515 (17110324) 339.40777 (17110324) 317.67143 (17110324) 293.00866 (17110324)
180.0 | 465.81676 (17122624) 393.17145 (17122624) 324.44173 (17122624) 291.89025 (17122624) 291.11397 (17122624)
190.0 | 331.15182 (17020308) 293.67737 (17020308) 254.31119 (17020308) 229.27736 (17020308) 195.49299 (17020308)
200.0 | 365.82015 (17022008) 320.47118 (17022008) 283.63668 (17022008) 252.90085 (17022008) 240.99168 (17110908)
210.0 | 467.58859 (17022008) 407.33872 (17022008) 363.64590 (17022008) 324.78447 (17022008) 321.79640 (17022008)
220.0 | 349.18828 (17020608) 300.34091 (17020608) 265.61736 (17020608) 246.68819 (17020608) 222.86636 (17020608)
230.0 | 389.94958 (17011208) 341.69679 (17011208) 294.36199 (17011208) 266.19119 (17011208) 231.61636 (17011208)
240.0 | 377.33210 (17011224) 329.79618 (17110224) 297.60507 (17110224) 264.86631 (17120424) 235.12859 (17110224)
250.0 | 451.02754 (17011124) 395.59969 (17011124) 353.74828 (17011124) 318.12599 (17011124) 285.82323 (17011124)
260.0 | 457.02268 (17020108) 401.38174 (17020108) 356.66201 (17020108) 318.40192 (17020108) 286.82571 (17020108)
270.0 | 399.82590 (17020108) 346.11871 (17020108) 311.19904 (17020108) 278.69709 (17020108) 251.69458 (17020108)
280.0 | 371.49225 (17010108) 324.40096 (17010108) 297.07239 (17010108) 271.60883 (17010108) 240.41390 (17010108)
290.0 | 622.57153c(17010608) 552.13411c(17010608) 498.79249c(17010608) 451.84252c(17010608) 412.16480c(17010608)
300.0 | 356.76605c(17010608) 308.77986c(17010608) 267.27414 (17120708) 239.95312 (17120708) 221.65000 (17120708)
310.0 | 358.72264 (17020708) 321.32312 (17020708) 291.59111 (17020708) 264.77743 (17020708) 235.56313 (17020708)
320.0 | 395.44372 (17121208) 353.24050 (17121208) 318.29876 (17121208) 286.64219 (17121208) 259.01995 (17121208)
330.0 | 578.43804c(17122408) 508.66536c(17122408) 454.15480c(17122408) 415.08953c(17122408) 378.46793c(17122408)
340.0 | 351.49944 (17122324) 312.08546 (17122324) 278.46944 (17122324) 247.67381 (17122324) 226.18401 (17122324)
350.0 | 392.01519 (17122008) 348.58034 (17122008) 310.46669 (17122008) 278.95366 (17122008) 253.53402 (17122008)
360.0 | 468.92101 (17020824) 416.63503 (17020824) 374.29925 (17020824) 338.50816 (17020824) 308.34766 (17020824)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	298.77849 (17010224)	274.85410 (17010224)	253.99531 (17010224)	234.07794 (17010224)	215.29292 (17010224)
20.0	211.20061 (17122108)	191.01480 (17122108)	176.22314 (17122108)	163.53716 (17122108)	152.68104 (17122108)
30.0	187.91975 (17010124)	171.29145 (17010124)	157.83665 (17010124)	145.46984 (17010124)	135.50817 (17010124)
40.0	357.42322 (17120624)	326.34580 (17120624)	300.38521 (17120624)	278.45515 (17120624)	258.89856 (17120624)
50.0	232.19290 (17091324)	213.67055 (17091324)	196.02281 (17091324)	181.17117 (17091324)	165.80003 (17091324)
60.0	265.10091 (17030124)	245.34371 (17030124)	224.28719 (17030124)	207.39854 (17030124)	193.85087 (17030124)
70.0	217.08807 (17083024)	198.11323 (17083024)	181.40082 (17083024)	167.68650 (17083024)	157.49600 (17083024)
80.0	333.61364 (17011824)	304.32770 (17011824)	276.29968 (17011824)	259.62938 (17011824)	244.32037 (17011824)
90.0	244.22841 (17032124)	224.42947 (17032124)	203.17385 (17032124)	190.55270 (17032124)	177.77443 (17032124)
100.0	186.89959c(17010524)	170.15784c(17010524)	157.70210c(17010524)	144.43051c(17010524)	135.76534c(17010524)
110.0	311.34863 (17012424)	284.12877 (17012424)	261.45683 (17012424)	239.88618 (17012424)	222.60563 (17012424)
120.0	221.53619 (17012424)	200.29527 (17012424)	181.96228 (17031824)	168.41506 (17031824)	157.04295 (17031824)
130.0	245.15474 (17021324)	228.02319 (17021324)	212.49813 (17021324)	195.97883 (17021324)	180.60635 (17021324)
140.0	290.01955 (17012724)	268.83746 (17121924)	249.16531 (17121924)	233.90788 (17121924)	216.64973 (17121924)
150.0	277.77367c(17092624)	245.01061c(17092624)	227.19921c(17092624)	212.18160c(17092624)	198.96093c(17092624)
160.0	249.30890 (17010424)	236.80925 (17010424)	220.88743 (17010424)	208.82761 (17010424)	193.28838 (17010424)
170.0	263.12053 (17110324)	243.20737 (17110324)	224.28808 (17082808)	210.03666 (17082808)	198.18870 (17082808)
180.0	270.99125 (17122624)	245.45997 (17122624)	229.11409 (17122624)	212.32084 (17122624)	199.35197 (17122624)
190.0	178.95104 (17020308)	162.17183 (17020308)	148.67282 (17020308)	144.10231 (17020308)	132.41518 (17020308)
200.0	205.48014 (17110908)	176.30662 (17022008)	163.05769 (17022008)	152.89395 (17022008)	140.24562 (17110908)
210.0	246.48434 (17022008)	226.77949 (17022008)	207.90849 (17022008)	213.06284 (17022008)	198.44645 (17022008)
220.0	217.98745 (17020608)	163.26832 (17020608)	150.98158 (17020608)	140.21255 (17020608)	137.29143 (17020608)
230.0	214.20079 (17011208)	200.03765 (17122224)	182.71618 (17122224)	162.86424 (17122224)	154.48222 (17122224)
240.0	212.53267 (17110224)	192.66299 (17120424)	170.00924 (17110224)	152.88950 (17011224)	148.69427 (17120424)
250.0	258.40056 (17011124)	234.35467 (17011124)	217.84932 (17011124)	195.49825 (17011124)	177.26973 (17011124)
260.0	259.03242 (17020108)	234.61224 (17020108)	212.63359 (17020108)	192.16992 (17020108)	180.66263 (17020108)
270.0	231.13346 (17020108)	210.00761 (17020108)	191.09227 (17020108)	173.94420 (17020108)	161.33382

(17020108)
280.0 | 217.66513 (17010108) 197.23026 (17010108) 181.95347 (17010108) 169.90619 (17010108) 160.16670 (17010108)
290.0 | 378.12480c(17010608) 347.51307c(17010608) 321.17752c(17010608) 301.78703c(17010608) 280.15967c(17010608)
300.0 | 198.87180 (17120708) 182.51910 (17120708) 168.25878 (17120708) 156.65077 (17120708) 149.78537 (17120708)
310.0 | 218.84729 (17020708) 200.57221 (17020708) 185.49628 (17020708) 169.78363 (17020708) 157.95011 (17020708)
320.0 | 234.54474 (17121208) 213.57393 (17121208) 197.99441 (17121208) 177.90776 (17121208) 164.90560 (17121208)
330.0 | 346.23646c(17122408) 319.21948c(17122408) 288.52491c(17122408) 259.78701c(17122408) 246.70097c(17122408)
340.0 | 205.15531 (17122324) 189.44797 (17122324) 170.22197 (17122324) 157.66675 (17122324) 148.30347 (17122324)
350.0 | 237.02808 (17122008) 217.26935 (17122008) 201.73877 (17122008) 187.15864 (17122008) 175.45853 (17122008)
360.0 | 282.44432 (17020824) 260.23677 (17020824) 240.93755 (17020824) 223.58248 (17020824) 208.18362 (17020824)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)
TANK	375.70	118.90	2094.59885	(17012424)	TANK	498.87	129.50	1367.90868	(17102924)
TANK	81.43	359.00	11547.72205	(17122324)	TANK	116.79	44.50	11558.50733	(17123124)
TANK	109.20	67.00	8574.02328	(17030124)	TANK	100.70	93.73	7678.31371	(17042416)
TANK	87.91	103.99	13044.18341	(17012424)	TANK	99.82	123.38	10433.41579c	(17092524)
TANK	138.00	141.00	7972.65946	(17012408)	TANK	106.00	180.00	9727.31868	(17031008)
TANK	115.60	206.00	9908.86162	(17022008)	TANK	54.00	270.00	21560.24119	(17020108)
TANK	97.00	326.00	11473.23122c	(17122408)	TANK	133.94	242.10	7488.09635c	(17112508)
TANK	101.99	301.65	10227.72368c	(17010608)	TANK	236.54	274.95	3104.59716	(17102624)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00

10.0 | 9806.41288 (17121724) 4439.39960 (17010224) 2764.96855 (17010224) 1945.40420 (17010224) 1455.64613 (17010224)
20.0 | 8125.46835 (17042824) 3439.79868 (17122108) 2080.04293 (17122024) 1397.77626 (17122024) 1019.39394 (17122024)
30.0 | 9121.49684 (17060424) 3661.39974 (17122108) 2183.95749 (17122108) 1408.42551 (17123124) 1021.96955 (17010124)
40.0 | 12961.55494 (17120624) 5333.79530 (17123124) 2944.39797 (17123124) 1916.30429 (17123124) 1370.99494 (17123124)
50.0 | 9928.96769 (17120624) 4505.79974 (17120624) 2724.21006 (17120624) 1864.60331 (17123124) 1289.82025 (17091324)
60.0 | 8669.02453 (17123124) 3614.04460 (17120524) 2109.32917 (17112324) 1465.35456 (17112324) 1073.80581 (17112324)
70.0 | 9356.48169 (17011824) 4013.84727 (17011824) 2329.68328 (17011824) 1532.24424 (17011824) 1071.44302 (17011824)
80.0 | 9547.61182 (17111824) 4258.63346 (17111824) 2590.10885 (17111824) 1759.80492 (17111824) 1292.25716 (17111824)
90.0 | 8038.19192 (17042524) 3485.14818 (17042524) 2052.25414 (17042524) 1380.15005 (17042524) 1003.04846 (17042524)
100.0 | 8643.00838c(17010524) 3766.49321 (17012424) 2015.81431 (17012424) 1270.54377 (17012424) 897.33872 (17012424)
110.0 | 8951.70181c(17010524) 4095.18660c(17010524) 2441.70465c(17010524) 1655.16374c(17010524) 1188.68108c(17010524)
120.0 | 9238.16689 (17012424) 4017.71607c(17092524) 2219.93727c(17092524) 1482.49643 (17032924) 1094.63599 (17032924)
130.0 | 11470.04798 (17102524) 4936.49177 (17102524) 2887.34839 (17102524) 1915.51569 (17102524) 1378.48772 (17102524)
140.0 | 11187.91469 (17012408) 5019.47082 (17012408) 2992.08155 (17012724) 2066.45792 (17012724) 1529.30446 (17012724)
150.0 | 9733.12392 (17010424) 4462.66022c(17092624) 2703.45088 (17110724) 1850.88634 (17112424) 1372.78810 (17112424)
160.0 | 9121.99263 (17112624) 4123.45636 (17112524) 2458.09070 (17112524) 1655.88560 (17112524) 1211.29762 (17110724)
170.0 | 9169.69324 (17122624) 4213.73571 (17082808) 2544.69357 (17082808) 1774.90967 (17111624) 1314.23487 (17082808)
180.0 | 10257.20966 (17121524) 4398.29223 (17031008) 2525.44925 (17031008) 1691.60783 (17031008) 1232.97841 (17031008)
190.0 | 8395.34355 (17022224) 3598.95743 (17020308) 2137.93765 (17020308) 1441.40055 (17022224) 1041.34232 (17022224)
200.0 | 9142.99576 (17111016) 3896.17949 (17022224) 2276.64559 (17022224) 1522.45308 (17022224) 1108.00328 (17022224)
210.0 | 8936.72075 (17020608) 3838.53946 (17020608) 2291.31421 (17110408) 1576.54133 (17110408) 1163.83684 (17110408)
220.0 | 8843.72808 (17020608) 3830.40674 (17020608) 2214.60027 (17120308) 1483.88231 (17120308) 1062.93846 (17120308)
230.0 | 9944.26158 (17112724) 4054.29475c(17112508) 2363.47168 (17011208) 1614.52427 (17011208) 1181.44985 (17011208)
240.0 | 10151.37496 (17112724) 4370.83198 (17112724) 2495.99356c(17112508) 1665.91230 (17011224) 1205.57191 (17011224)
250.0 | 9977.21177 (17102624) 4522.94698 (17011124) 2731.49609 (17011124) 1874.59534 (17011124) 1386.61997 (17011124)
260.0 | 11454.68292 (17102624) 4701.58335 (17021108) 2632.64589 (17021108) 1715.50693 (17011124) 1249.52855 (17011124)
270.0 | 10762.35033 (17102624) 4420.37717 (17102624) 2538.52167 (17102624) 1687.91019 (17102624) 1226.14659 (17102624)
280.0 | 8364.28565 (17071424) 3562.61166 (17010108) 2171.92564 (17010108) 1522.05771 (17010108) 1127.97203 (17010108)
290.0 | 9348.97505 (17013108) 4131.46491 (17013108) 2462.11292 (17013108) 1679.12351 (17013108) 1218.35371 (17013108)
300.0 | 8452.23287 (17061424) 3407.65354 (17013108) 1921.20161 (17013108) 1315.39141 (17120708) 977.54917 (17120708)
310.0 | 7473.68748 (17102224) 3006.39237 (17010208) 1892.05586 (17010208) 1311.42084 (17010208)

986.41316 (17010208)
320.0 | 8326.54241 (17121208) 3830.99174 (17121208) 2330.44047 (17121208) 1612.29237 (17121208)
1192.80970 (17121208)
330.0 | 8885.21001 (17060524) 3606.75797 (17060524) 2153.36387 (17121808) 1480.96549 (17121808)
1097.07597 (17121808)
340.0 | 9108.38155 (17060524) 3567.58186 (17102824) 2047.75471 (17102824) 1348.75699 (17102824)
987.13424 (17102824)
350.0 | 8586.04655 (17122324) 3797.47444 (17122008) 2233.89672 (17122008) 1518.99224 (17122008)
1113.48045 (17122008)
360.0 | 9166.65307 (17122324) 3752.01850 (17020824) 2426.01962 (17020824) 1709.90544 (17012024)
1270.81732 (17012024)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	1152.76042 (17010224)	938.28673 (17010224)	778.98713 (17010224)	659.75393 (17010224)	571.94131 (17010224)
20.0	771.83731 (17122024)	622.88921 (17122024)	508.21007 (17122024)	419.41475 (17122024)	354.67129 (17122024)
30.0	795.72450 (17010124)	641.54845 (17010124)	535.32243 (17010124)	442.06764 (17122108)	374.36489 (17122108)
40.0	1040.98464 (17123124)	838.37675 (17123124)	681.89819 (17123124)	568.89906 (17123124)	479.82764 (17123124)
50.0	1003.84864 (17091324)	810.11625 (17091324)	662.68973 (17091324)	547.77982 (17091324)	468.79797 (17091324)
60.0	838.42710 (17112324)	672.16456 (17112324)	540.76675 (17112324)	458.93380 (17112324)	406.64383 (17112324)
70.0	791.94042 (17112324)	670.18343 (17112324)	545.55584 (17112324)	445.89787 (17112324)	391.64983 (17112324)
80.0	988.66985 (17111824)	776.71040 (17111824)	641.28966 (17111824)	557.70719 (17111824)	472.00323 (17111824)
90.0	770.14905 (17042524)	595.83494 (17042524)	507.57714 (17042524)	427.85783 (17042524)	370.29690 (17042524)
100.0	639.11237 (17012424)	495.68617 (17012424)	374.27258 (17022424)	313.66995 (17022424)	265.40461 (17022424)
110.0	904.39042c(17010524)	717.83210c(17010524)	602.64622 (17022824)	512.33364 (17022824)	441.76939 (17022824)
120.0	843.18345 (17032924)	659.89484 (17032924)	561.86812 (17032924)	481.79156 (17032924)	416.43552 (17032924)
130.0	1043.41286 (17102524)	817.73877 (17102524)	666.82533 (17102524)	567.65070 (17021324)	494.31963 (17021324)
140.0	1184.12869 (17012724)	917.87067 (17012724)	738.12006 (17102524)	621.92462 (17102524)	555.96359 (17102524)
150.0	1060.47456 (17112424)	845.37547 (17112424)	692.95417 (17112424)	563.33878 (17112424)	480.05012 (17112424)
160.0	939.10679 (17110724)	759.59359 (17110724)	624.82616 (17110724)	513.09317 (17110724)	444.85200 (17110724)
170.0	1031.15350 (17082808)	835.85374 (17082808)	694.35458 (17082808)	610.33434 (17110324)	487.07167

(17082808)
180.0 | 952.43884 (17031008) 755.41816 (17031008) 617.06042 (17031008) 523.96162 (17031008) 441.20577 (17031008)
190.0 | 801.57309 (17022224) 639.59088 (17022224) 522.06715 (17022224) 432.82297 (17022224) 370.82175 (17022224)
200.0 | 847.09049 (17022224) 676.83807 (17022224) 546.49401 (17022224) 456.62645 (17022224) 390.37206 (17022224)
210.0 | 912.43264 (17110408) 760.52530 (17110408) 614.44137 (17110408) 522.16710 (17110408) 439.29770 (17110408)
220.0 | 811.39424 (17120308) 653.76618 (17120308) 553.10240 (17120308) 446.74304 (17120308) 381.64542 (17120308)
230.0 | 933.06778 (17011208) 736.69645 (17112724) 603.84948 (17112724) 508.49784 (17112724) 435.80446 (17122224)
240.0 | 933.08865c(17112508) 747.25608 (17110224) 607.01233 (17011224) 510.45508 (17011224) 435.36224 (17120424)
250.0 | 1085.53022 (17011124) 878.53249 (17011124) 719.45057 (17021108) 610.36818 (17011124) 512.99312 (17021108)
260.0 | 956.55786 (17011124) 773.36169 (17011124) 634.76689 (17011124) 530.51441 (17011124) 447.36082 (17011124)
270.0 | 951.26536 (17102624) 755.68547 (17102624) 624.46801 (17102624) 520.86165 (17102624) 438.54321 (17102624)
280.0 | 863.59397c(17010608) 697.11001c(17010608) 566.45589c(17010608) 466.01274c(17010608) 384.55771c(17010608)
290.0 | 943.82975 (17013108) 751.76790 (17013108) 619.81265 (17013108) 522.78909 (17013108) 438.87660 (17013108)
300.0 | 766.20047 (17120708) 617.12883 (17120708) 510.08877 (17120708) 433.97225 (17120708) 380.27789 (17120708)
310.0 | 767.63010 (17010208) 621.82310 (17010208) 519.99266 (17010208) 438.56905 (17010208) 378.21769 (17010208)
320.0 | 927.42965 (17121208) 741.27246c(17122408) 600.38118c(17122408) 501.29730c(17122408) 425.48162c(17122408)
330.0 | 850.68865 (17121808) 688.64359 (17121808) 566.57904 (17121808) 487.17406 (17121808) 418.34816 (17121808)
340.0 | 762.23131 (17012108) 619.48473 (17012108) 514.38485 (17012108) 439.09968 (17012108) 382.31463 (17012108)
350.0 | 860.06280 (17122008) 698.96094 (17122008) 571.33743 (17122324) 484.53844 (17122324) 415.19776 (17122324)
360.0 | 987.98357 (17012024) 793.49107 (17012024) 662.25748 (17012024) 562.20974 (17012024) 482.58467 (17012024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	503.39782 (17010224)	442.38401 (17122024)	392.57057 (17122024)	355.71841 (17122024)	322.17339 (17122024)
20.0	300.54316 (17122024)	260.74927 (17122024)	228.57906 (17122024)	203.98020 (17122024)	183.01779 (17122024)
30.0	323.57157 (17122108)	279.89648 (17122108)	246.64843 (17122108)	215.81443 (17122108)	193.73186

(17122108)
40.0 | 411.78220 (17123124) 358.17240 (17123124) 314.08957 (17123124) 278.15155 (17123124) 249.08885 (17123124)
50.0 | 413.45179 (17120624) 354.91469 (17120624) 316.29026 (17120624) 276.89851 (17120624) 250.09785 (17042724)
60.0 | 353.65771 (17112324) 310.25668 (17112324) 275.51760 (17112324) 248.97698 (17112324) 224.79000 (17112324)
70.0 | 337.85524 (17112324) 298.68864 (17112324) 266.32567 (17112324) 236.16410 (17112324) 209.61949 (17112324)
80.0 | 410.49118 (17111824) 365.31205 (17111824) 326.41183 (17111824) 292.79626 (17111824) 261.64337 (17111824)
90.0 | 325.25008 (17042524) 286.96465 (17042524) 254.83505 (17042524) 228.29041 (17042524) 206.34307 (17042524)
100.0 | 228.99611 (17022424) 199.27896 (17022424) 179.06909 (17022424) 159.41776 (17022424) 144.68942 (17022424)
110.0 | 380.52788 (17022824) 336.56316 (17022824) 305.19624 (17022824) 275.91224 (17022824) 251.20209 (17022824)
120.0 | 361.93740 (17031824) 311.88797 (17031824) 284.71601 (17031824) 256.56049 (17031824) 230.27016 (17031824)
130.0 | 430.35902 (17102924) 375.96228 (17102924) 329.63558 (17102924) 290.23796 (17102924) 256.35037 (17102924)
140.0 | 487.70530 (17121924) 434.45208 (17121924) 385.68656 (17012724) 347.28437 (17012724) 317.39950 (17012724)
150.0 | 452.03613 (17112424) 396.53412 (17112424) 352.81984c(17092624) 317.59941c(17092624) 296.52042 (17112424)
160.0 | 374.83397 (17110724) 328.73965 (17110724) 310.57043 (17110724) 284.63218 (17110724) 252.86093 (17110724)
170.0 | 442.16704 (17082808) 351.61462 (17082808) 315.05068 (17082808) 300.39160 (17082808) 286.72338 (17082808)
180.0 | 394.48285 (17031008) 338.24788 (17031008) 280.46249 (17031008) 252.65046 (17031008) 245.85917 (17031008)
190.0 | 323.54785 (17022224) 285.61348 (17022224) 247.64913 (17022224) 220.83471 (17022224) 184.34321 (17022224)
200.0 | 342.58552 (17022224) 297.80248 (17022224) 263.69091 (17110908) 245.74776 (17110908) 218.28427 (17022008)
210.0 | 384.49776 (17110408) 337.34543 (17110408) 304.23372 (17110408) 272.35362 (17110408) 266.71137 (17110408)
220.0 | 323.66668 (17120308) 278.14868 (17120308) 245.97436 (17120308) 227.25414 (17120308) 198.26989 (17120308)
230.0 | 382.73233 (17122224) 337.47953 (17122224) 290.94343 (17122224) 264.53443 (17122224) 229.93613 (17122224)
240.0 | 376.46885 (17110224) 327.83993 (17120424) 295.73667 (17120424) 261.99434 (17110224) 232.30760 (17120424)
250.0 | 446.70493 (17021108) 388.56206 (17021108) 340.85948 (17021108) 306.14655 (17021108) 274.37584 (17021108)
260.0 | 388.02668 (17011124) 343.25925 (17011124) 304.27386 (17011124) 270.18003 (17011124) 243.22135 (17011124)
270.0 | 382.85035 (17102624) 336.21067 (17102624) 300.37229 (17102624) 269.95398 (17102624) 244.39791 (17102624)
280.0 | 330.41224c(17010608) 298.51776 (17123008) 275.08183 (17123008) 252.60319 (17123008) 234.52174 (17123008)
290.0 | 389.83676 (17013108) 341.57723 (17013108) 299.02774 (17010108) 270.47069 (17013108) 240.92773 (17013108)
300.0 | 341.46301 (17120708) 299.47668 (17120708) 261.38645c(17010608) 231.58468c(17010608) 206.16407c(17010608)
310.0 | 333.79552 (17010208) 292.85700 (17010208) 265.22534 (17010208) 236.17533 (17010208) 214.14952 (17010208)
320.0 | 368.32378c(17122408) 318.11241 (17121408) 285.32681 (17121408) 254.64587 (17121408) 232.94477 (17121408)
330.0 | 365.54253 (17121808) 321.68833 (17121808) 283.86848 (17121808) 255.70173 (17121808) 232.72682 (17121808)
340.0 | 334.99820 (17012108) 295.71497 (17012108) 263.43539 (17012108) 239.04764 (17012108) 219.27661

(17012108)
350.0 | 355.97717 (17122324) 310.08463 (17122324) 276.99860 (17122324) 249.96757 (17122324) 227.18438 (17122324)
360.0 | 419.41923 (17012024) 368.21772 (17012024) 329.95491 (17012024) 298.59487 (17010324) 273.00284 (17010324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	288.93994 (17122024)	262.48714 (17122024)	242.62018 (17122024)	223.21658 (17122024)	204.89065 (17122024)
20.0	165.79930 (17122024)	150.51047 (17122024)	138.08221 (17122024)	123.59491 (17122024)	113.72951 (17122024)
30.0	174.37821 (17122108)	156.86874 (17060324)	144.64346 (17060324)	133.50745 (17060324)	124.44039 (17060324)
40.0	224.92015 (17123124)	206.15018 (17123124)	188.80384 (17123124)	174.94860 (17123124)	162.35575 (17123124)
50.0	227.08344 (17042724)	205.58371 (17042724)	187.77174 (17042724)	172.43570 (17042724)	160.76350 (17042724)
60.0	206.26311 (17112324)	188.39670 (17112324)	171.77958 (17112324)	158.99415 (17112324)	149.23481 (17112324)
70.0	190.18876 (17112324)	173.43313 (17112324)	159.00362 (17112324)	145.26135 (17112324)	136.16806 (17112324)
80.0	234.10101 (17111824)	212.45935 (17111824)	194.53388 (17111824)	182.39987 (17111824)	170.39016 (17111824)
90.0	187.27811 (17042524)	171.95240 (17042524)	154.57567 (17042524)	145.60007 (17042524)	135.80708 (17042524)
100.0	131.13834 (17021224)	120.18880 (17021224)	110.60353 (17021224)	101.42730 (17021224)	94.65469 (17021224)
110.0	229.40216 (17022824)	210.08406 (17022824)	193.63354 (17022824)	178.36129 (17022824)	165.74810 (17022824)
120.0	210.29247 (17031824)	194.52198 (17031824)	179.26243 (17012424)	165.79778 (17012424)	153.10902 (17012424)
130.0	235.26007 (17102924)	213.61336c(17092524)	197.06286 (17102924)	181.51516c(17092524)	167.10542c(17092524)
140.0	288.78369 (17121924)	264.57460 (17012724)	244.22706 (17012724)	227.82716 (17012724)	210.91075 (17012724)
150.0	268.78300 (17112424)	243.85288 (17112424)	225.45389 (17112424)	205.13298 (17112424)	192.57171 (17112424)
160.0	221.41318 (17110724)	210.88552 (17110724)	193.25064 (17110724)	179.53268 (17110724)	165.59233 (17110724)
170.0	255.53715 (17082808)	238.96841 (17082808)	223.21734 (17110324)	208.09025 (17110324)	194.60954 (17110324)
180.0	229.12868 (17031008)	208.18522 (17031008)	193.74039 (17031008)	178.08522 (17031008)	163.83553 (17031008)
190.0	167.25349 (17022224)	153.94091 (17022224)	140.38240 (17022224)	140.06726 (17022224)	130.57663 (17022224)
200.0	204.20239 (17022008)	164.96105 (17022224)	152.54628 (17022224)	150.67906 (17110908)	140.07111

(17022008)
210.0 | 205.34794 (17110408) 188.97430 (17110408) 174.73572 (17110408) 179.27315 (17110408) 168.61281 (17110408)
220.0 | 198.80552 (17120108) 153.42060 (17120308) 139.70713 (17120308) 129.74636 (17120308) 124.45052 (17120108)
230.0 | 213.82218 (17122224) 196.88115 (17011208) 179.68909 (17011208) 161.65166 (17011208) 152.75043 (17011208)
240.0 | 212.33969 (17120424) 192.06346 (17110224) 167.73997 (17011224) 152.81332 (17110224) 146.33221 (17110108)
250.0 | 249.90983 (17021108) 225.86514 (17021108) 203.57689 (17021108) 186.31866 (17021108) 167.69457 (17021108)
260.0 | 219.94395 (17011124) 199.17621 (17011124) 181.45553 (17011124) 165.91800 (17011124) 153.18651 (17011124)
270.0 | 221.22130 (17102624) 200.80926 (17102624) 182.73442 (17102624) 170.14137 (17102624) 158.42505 (17102624)
280.0 | 211.58273 (17123008) 191.17430 (17123008) 176.01225 (17123008) 164.01969 (17123008) 154.27609 (17123008)
290.0 | 220.89923 (17013108) 201.12362 (17010108) 182.52052 (17010108) 169.99626 (17010108) 157.65662 (17010108)
300.0 | 187.34546c(17010608) 167.15200c(17010608) 150.95677c(17010608) 135.87722c(17010608) 128.17225 (17041808)
310.0 | 193.32638 (17010208) 176.82274 (17010208) 163.29444 (17010208) 149.33847 (17010208) 138.82100 (17010208)
320.0 | 210.85739 (17121408) 192.51612 (17121408) 178.02798 (17121408) 164.80047 (17121408) 152.38051 (17121408)
330.0 | 212.09568 (17121808) 192.71590 (17121808) 175.87367 (17121808) 160.83502 (17121808) 149.07098 (17121808)
340.0 | 199.36619 (17012108) 184.03004 (17012108) 165.67028 (17012108) 153.85706 (17012108) 143.74380 (17012108)
350.0 | 201.06055 (17122324) 182.49551 (17122324) 169.17250 (17122324) 156.96330 (17122324) 146.85056 (17122324)
360.0 | 250.58390 (17010324) 231.12509 (17010324) 214.09652 (17010324) 198.47931 (17010324) 184.44006 (17010324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)
TANK	375.70	118.90	1600.17254	(17032924)	TANK	498.87	129.50	1342.53853	(17102524)
TANK	81.43	359.00	11001.48617	(17012024)	TANK	116.79	44.50	10622.30106	(17120624)
TANK	109.20	67.00	8530.44345	(17083024)	TANK	100.70	93.73	7487.82010c	(17010524)
TANK	87.91	103.99	10212.60550c	(17010524)	TANK	99.82	123.38	9536.25183	(17090624)
TANK	138.00	141.00	7862.28297	(17102524)	TANK	106.00	180.00	9602.96174	(17121524)
TANK	115.60	206.00	7096.31473	(17020608)	TANK	54.00	270.00	21275.06990	(17102624)
TANK	97.00	326.00	8347.90361	(17121208)	TANK	133.94	242.10	7324.85968	(17021108)
TANK	101.99	301.65	7977.14323	(17061424)	TANK	236.54	274.95	3037.70084	(17020108)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	9447.39899 (17010224)	4002.42572 (17121724)	2281.85132 (17121724)	1505.35652 (17121724)	1080.78856 (17121724)
20.0	8009.14763 (17010124)	3362.28311 (17121724)	1881.25507 (17010124)	1229.67179 (17010124)	879.79064 (17010124)
30.0	8426.68755 (17120624)	3496.81443 (17120624)	2023.32465 (17010124)	1384.55329 (17010124)	989.47713 (17123124)
40.0	10851.57835 (17060424)	3682.50883 (17091324)	2085.90731 (17091324)	1371.18147 (17091324)	988.18387 (17091324)
50.0	9654.01248 (17091324)	4283.15038 (17091324)	2578.88727 (17091324)	1776.57338 (17091324)	1287.43923 (17123124)
60.0	8564.68367 (17120524)	3397.29071 (17112324)	2104.84144 (17120524)	1404.69925 (17120524)	1007.60991 (17120524)
70.0	8605.14715 (17030124)	3612.37248 (17030124)	2120.71961 (17112324)	1465.88324 (17112324)	1068.03832 (17112324)
80.0	8425.61582 (17032124)	3483.77370 (17032124)	2046.36568 (17032124)	1354.99877 (17032124)	964.84501 (17032124)
90.0	7845.17442 (17032124)	3355.53759 (17072724)	1928.47033 (17072724)	1282.34682 (17072724)	924.37179 (17072724)
100.0	7572.18237 (17081224)	2945.15369 (17022424)	1661.68123 (17022424)	1091.27848 (17022424)	779.90203 (17022424)
110.0	7654.22491c(17092524)	3602.74551 (17022824)	2222.76708 (17022824)	1535.89299 (17022824)	1137.29740 (17022824)
120.0	8810.40599 (17013024)	3782.50381 (17013024)	2175.42148 (17013024)	1446.78927 (17011724)	1065.18393 (17011724)
130.0	10798.81705 (17090624)	4519.35313c(17092524)	2695.07170c(17092524)	1806.12486c(17092524)	1312.95441c(17092524)
140.0	11082.51017 (17021624)	4970.06811 (17021624)	2989.13157c(17092624)	2027.70762 (17021624)	1486.30366 (17021624)
150.0	9462.60806 (17110724)	4308.44884 (17012408)	2672.08588 (17112424)	1817.50550 (17110724)	1335.21037 (17123024)
160.0	9002.77331 (17112524)	4065.16537 (17112624)	2399.03505 (17112624)	1637.49058 (17110724)	1209.68454 (17112524)
170.0	9124.25337 (17031008)	4106.32585 (17111624)	2544.58870 (17111624)	1724.47330 (17082808)	1287.51826 (17111624)
180.0	9786.50781 (17122624)	4328.94646 (17121524)	2485.59166 (17121524)	1670.34907 (17121524)	1213.29521 (17121524)
190.0	8275.61829 (17121524)	3506.66633 (17113024)	1977.21002 (17113024)	1283.23880 (17113024)	911.71774 (17113024)
200.0	8568.18740 (17113024)	3842.59136 (17113024)	2192.74879 (17113024)	1446.42838 (17113024)	1021.19971 (17113024)
210.0	8629.79973 (17120308)	3788.31528 (17110408)	2245.23159 (17020608)	1515.23401 (17020608)	1090.87518 (17020608)
220.0	8746.14770c(17112508)	3483.62913 (17022008)	1932.58665 (17010924)	1279.72013 (17010924)	933.29779 (17120108)
230.0	9155.90308 (17011208)	4020.50553 (17011208)	2327.55519 (17122224)	1587.65195 (17122224)	1170.76679 (17122224)
240.0	9920.32410 (17021108)	4232.14293 (17011224)	2477.36820 (17011224)	1643.96571 (17110224)	

1203.37347 (17112724)
250.0 | 9851.63353 (17011124) 4321.67809 (17111808) 2545.62964 (17111808) 1711.05427 (17111808) 1269.11435 (17111808)
260.0 | 11151.72344 (17020108) 4620.07659 (17102624) 2585.96585 (17102624) 1713.31793 (17021108) 1210.72074 (17021108)
270.0 | 8533.62654 (17021108) 3403.23966m(17011624) 1994.47983m(17011624) 1343.35173m(17011624) 984.46663m(17011624)
280.0 | 8075.98469 (17102624) 3403.02533 (17012508) 2036.27811 (17012508) 1389.05386 (17012508) 1024.69652 (17012508)
290.0 | 8688.40923 (17061424) 3696.49264 (17010108) 2245.91800 (17010108) 1546.25783 (17010108) 1142.03117 (17010108)
300.0 | 8254.94438 (17013108) 3234.26229 (17061424) 1907.54729 (17120708) 1257.51577 (17013108) 916.30626 (17022208)
310.0 | 6690.97538 (17033008) 2994.12261 (17020708) 1870.87769 (17021824) 1248.31547 (17021824) 897.45712 (17021824)
320.0 | 7656.71545 (17030724) 3325.53494 (17030724) 2034.89442 (17121408) 1416.46254 (17121408) 1061.85937 (17121408)
330.0 | 7785.68057 (17102824) 3566.69894 (17121808) 2038.46448 (17060524) 1352.55312 (17060524) 980.83741 (17060524)
340.0 | 8716.88477 (17102824) 3388.09068 (17072324) 2000.41315 (17122324) 1335.48985c(17122408) 972.62408 (17012108)
350.0 | 8069.83525 (17102824) 3386.48135 (17102824) 1980.33370 (17102824) 1334.75970 (17102824) 988.57007 (17020808)
360.0 | 8059.98362 (17122008) 3656.48297 (17122324) 2257.44074 (17010324) 1585.40531 (17010324) 1201.46238 (17010324)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	814.34878 (17121724)	637.09851 (17121724)	515.87324 (17121724)	425.14181 (17121724)	357.53601 (17121724)
20.0	657.91071 (17010124)	520.54923 (17010124)	422.92919 (17010124)	346.60537 (17010124)	291.91513 (17010124)
30.0	734.20678 (17123124)	571.80113 (17123124)	464.40370 (17123124)	382.19467 (17123124)	326.39857 (17060324)
40.0	746.25103 (17091324)	598.52108 (17091324)	486.53734 (17091324)	406.12334 (17010408)	348.89524 (17010408)
50.0	970.07361 (17123124)	761.69058 (17123124)	613.60457 (17123124)	508.22433 (17123124)	432.50961 (17042724)
60.0	774.72435 (17120524)	607.86398 (17120524)	494.18925 (17120524)	404.93553 (17120524)	351.74683 (17120524)
70.0	768.98012 (17011824)	649.01233 (17011824)	522.07807 (17011824)	396.71428 (17011824)	340.79367 (17011824)
80.0	733.16400 (17032124)	571.63337 (17032124)	465.24940 (17032124)	374.74571 (17032124)	312.73763 (17021224)
90.0	706.61464 (17072724)	545.42504 (17072724)	460.69499 (17072724)	385.04092 (17072724)	332.62518 (17072724)
100.0	589.23046 (17022424)	454.19623 (17022424)	370.42125 (17012424)	302.11040 (17021224)	257.41753

(17021224)
110.0 | 884.65365 (17022824) 691.72653 (17022824) 570.35690c(17010524) 469.67605c(17010524) 399.26971c(17010524)
120.0 | 816.20496 (17011724) 640.13366 (17011724) 553.84176 (17031824) 473.13234 (17031824) 411.30774 (17031824)
130.0 | 998.69341c(17092524) 782.18516c(17092524) 649.40130 (17021324) 564.75723 (17102524) 478.89432 (17102524)
140.0 | 1151.22814 (17021624) 874.98849 (17021624) 706.02606 (17121924) 598.15183 (17121924) 555.79551 (17121924)
150.0 | 1032.63508 (17123024) 827.36114 (17123024) 680.99355 (17123024) 550.98788 (17123024) 472.56131 (17123024)
160.0 | 934.62968 (17112524) 755.27627 (17112524) 614.17963 (17112524) 495.21550 (17112524) 430.67493 (17112524)
170.0 | 991.30925 (17111624) 797.85678 (17111624) 651.23055 (17111624) 525.54153 (17111624) 465.72428 (17111624)
180.0 | 939.37324 (17121524) 747.99468 (17121524) 604.98774 (17121524) 510.22830 (17121524) 427.28505 (17121524)
190.0 | 692.80944 (17121308) 550.62974 (17121308) 454.60090 (17121308) 388.03776 (17121308) 333.85363 (17121308)
200.0 | 791.05501 (17110908) 640.76945 (17110908) 525.19377 (17110908) 440.21018 (17022408) 378.04975 (17022408)
210.0 | 849.68035 (17020608) 713.06580 (17020608) 564.56150 (17020608) 475.29437 (17020608) 394.95402 (17020608)
220.0 | 720.72873 (17120108) 610.97758 (17120108) 524.27660 (17120108) 414.79682 (17120108) 355.22247 (17120108)
230.0 | 920.63998 (17122224) 733.17728 (17122224) 602.85732 (17122224) 507.11556 (17122224) 427.28116 (17112724)
240.0 | 931.60563 (17110224) 739.40896 (17112724) 603.59679 (17120424) 509.67712 (17120424) 433.06087 (17110224)
250.0 | 974.22214 (17111808) 781.88709 (17111808) 640.98848 (17111808) 548.63642 (17111808) 461.51319 (17111808)
260.0 | 920.41166 (17021108) 718.93058 (17021108) 584.19569 (17021108) 479.16117 (17021108) 408.37593 (17021108)
270.0 | 763.31952m(17011624) 612.29172m(17011624) 509.08863m(17011624) 429.20450m(17011624) 365.47363m(17011624)
280.0 | 796.55174 (17012508) 647.62170 (17012508) 534.21350 (17012508) 446.81065 (17012508) 382.38911 (17012508)
290.0 | 886.58425 (17010108) 720.85413 (17010108) 591.67726 (17010108) 493.87208 (17010108) 424.64627 (17010108)
300.0 | 713.42808 (17022208) 569.72856 (17022208) 475.68122 (17022208) 399.73617 (17022208) 347.64866 (17022208)
310.0 | 693.69409 (17021824) 547.75639 (17021824) 454.89140 (17121408) 378.16971 (17033008) 324.29656 (17033008)
320.0 | 823.73337 (17121408) 672.93691 (17121408) 554.62761 (17121408) 475.19641 (17121408) 409.86044 (17121408)
330.0 | 753.16396 (17060524) 601.06609 (17060524) 499.02937 (17060524) 421.69853 (17060524) 361.21005 (17060524)
340.0 | 743.63531 (17102824) 596.22592 (17102824) 494.09531 (17072324) 419.41648 (17072324) 361.67636 (17072324)
350.0 | 773.63043 (17020808) 626.68112 (17020808) 522.43473 (17020808) 441.87931 (17020808) 380.20407 (17020808)
360.0 | 951.58250 (17010324) 773.52912 (17010324) 643.68240 (17010324) 545.24468 (17010324) 471.11733 (17010324)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:08:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	301.92490 (17121724)	264.56448 (17121724)	231.65376 (17121724)	201.61417 (17042624)	182.20735 (17122624)
20.0	252.28805c(17042608)	224.55221c(17042608)	200.76534c(17042608)	181.19232c(17042608)	164.44732c(17042608)
30.0	286.19438 (17060324)	253.36688 (17060324)	229.08749 (17060324)	207.63500 (17060324)	187.15276 (17060324)
40.0	292.51758 (17010408)	255.13256 (17010408)	228.19284 (17010408)	203.59058 (17010408)	180.97211 (17010408)
50.0	388.54179 (17042724)	340.99146 (17042724)	303.86147 (17042724)	275.89156 (17042724)	246.55622 (17120624)
60.0	303.13993 (17120524)	264.26527 (17120524)	231.07662 (17120524)	209.84091 (17120524)	184.48860 (17120524)
70.0	294.08059 (17011824)	248.66918 (17011824)	220.00982 (17031908)	198.77962 (17031908)	180.92499 (17031908)
80.0	272.17735 (17021224)	239.55883 (17021224)	214.34609 (17021224)	192.96439 (17021224)	174.36714 (17021224)
90.0	291.94143 (17072724)	256.38076 (17072724)	225.94276 (17072724)	201.61856 (17072724)	182.12300 (17072724)
100.0	223.86396 (17021224)	195.61581 (17021224)	175.97462 (17021224)	158.22622 (17021224)	143.42446 (17021224)
110.0	351.94660c(17010524)	304.04259c(17010524)	270.47784c(17010524)	236.67680c(17010524)	211.38356c(17010524)
120.0	359.79782 (17032924)	311.84948 (17032924)	279.02832 (17032924)	252.16184 (17032924)	224.02738 (17032924)
130.0	415.57389 (17102524)	361.37642 (17102524)	317.55083c(17092524)	282.12984 (17102524)	253.94226 (17102524)
140.0	481.37278 (17102524)	423.19246 (17021624)	373.48836 (17021624)	336.41320 (17021624)	309.15636 (17021624)
150.0	428.35559 (17123024)	373.04671 (17123024)	328.96553 (17123024)	295.76607 (17123024)	269.95018 (17123024)
160.0	358.52395 (17112524)	316.22461 (17112524)	301.63548 (17112524)	275.55947 (17112524)	244.85514 (17112524)
170.0	400.08636 (17111624)	351.50549 (17111624)	307.71935 (17111624)	272.70585 (17111624)	249.91164 (17111624)
180.0	380.27537 (17121524)	324.69209 (17121524)	274.13673 (17121524)	240.91314 (17121524)	232.28593 (17121524)
190.0	293.66975 (17121308)	254.26397 (17121308)	226.70943 (17121308)	197.13210 (17121308)	168.43736 (17121308)
200.0	332.01830 (17022408)	292.37684 (17022408)	261.41727 (17022224)	235.82774 (17022224)	216.03311 (17022408)
210.0	344.54441 (17020608)	300.92642 (17020608)	271.98084 (17020608)	242.66926 (17020608)	236.03225 (17020608)
220.0	303.25201 (17120108)	261.68543 (17120108)	231.63856 (17120108)	214.59609 (17120108)	195.73625 (17120108)
230.0	372.23079 (17112724)	327.87133 (17112724)	282.15626 (17112724)	256.41597 (17112724)	222.76653 (17112724)
240.0	375.28581 (17120424)	327.69574 (17011224)	292.19667c(17112508)	259.90253c(17112508)	230.93516 (17011224)
250.0	402.66509 (17111808)	352.25823 (17111808)	308.25381 (17111808)	272.34642 (17111808)	243.88579 (17111808)
260.0	356.21574 (17021108)	311.63216 (17021208)	277.30313 (17021208)	247.32063 (17021208)	222.63582 (17021208)
270.0	316.85306m(17011624)	278.78419m(17011624)	247.98368m(17011624)	223.83622m(17011624)	

203.31217m(17011624)
280.0 | 328.33736 (17012508) 296.97061 (17012508) 274.17581 (17012508) 245.28117 (17012508) 229.24672 (17012508)
290.0 | 371.45663 (17010108) 329.18209 (17010108) 298.80304 (17013108) 264.78996 (17010108) 238.36687 (17010108)
300.0 | 298.08019 (17022208) 262.66891 (17022208) 232.01569 (17022208) 208.47501 (17022208) 190.23933 (17022208)
310.0 | 284.12323 (17033008) 253.09272 (17033008) 224.67993 (17033008) 205.44404 (17033008) 180.68315 (17081808)
320.0 | 356.79520 (17121408) 313.82787c(17122408) 277.95394c(17122408) 250.35817c(17122408) 216.66271c(17122408)
330.0 | 317.53446 (17121508) 282.67126 (17121508) 253.36702 (17121508) 229.21684 (17121508) 208.26079 (17121508)
340.0 | 317.87206 (17072324) 280.23321 (17072324) 249.72968 (17072324) 224.80576 (17072324) 204.56288 (17072324)
350.0 | 331.81329 (17020808) 295.86944 (17020808) 263.70117 (17020808) 236.67783 (17111908) 213.98524 (17020808)
360.0 | 412.49907 (17010324) 366.30405 (17010324) 329.84559 (17010324) 297.93193 (17012024) 272.42813 (17012024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	166.43528 (17122624)	152.31840 (17122624)	140.37670 (17122624)	128.13914 (17122624)	117.03595 (17042624)
20.0	149.57905c(17042608)	135.71553c(17042608)	125.36702c(17042608)	117.34441c(17042608)	109.76296c(17042608)
30.0	170.43047 (17060324)	155.76696 (17122108)	138.72114 (17122108)	126.75489 (17122108)	118.19002 (17122108)
40.0	160.25588 (17010408)	146.01405 (17010408)	135.02320 (17010408)	125.38948 (17010408)	116.88648 (17010408)
50.0	223.70014 (17120624)	202.35792 (17120624)	183.43870 (17120624)	166.08882 (17120624)	153.19611 (17120624)
60.0	168.94434 (17120524)	150.80322 (17120524)	141.30583 (17120524)	128.17015 (17120524)	117.84647 (17120524)
70.0	167.06208 (17031908)	152.75799 (17031908)	140.39888 (17031908)	129.34491 (17031908)	120.61233 (17031908)
80.0	159.22888 (17021224)	146.06130 (17021224)	132.75929 (17021224)	125.05482 (17021224)	116.40201 (17021224)
90.0	165.20159 (17072724)	151.62362 (17072724)	136.14108 (17072724)	128.22162 (17072724)	119.52348 (17072724)
100.0	130.90829 (17022424)	119.73896 (17022424)	109.89675 (17022424)	100.86551 (17022424)	93.72972 (17022424)
110.0	191.82774c(17010524)	172.51475c(17010524)	157.17972c(17010524)	144.48009c(17010524)	134.31370c(17010524)
120.0	206.81411 (17032924)	189.73312 (17032924)	174.20905 (17032924)	159.45650 (17032924)	148.29131 (17032924)
130.0	230.69667 (17102524)	213.44897 (17102924)	194.31232c(17092524)	181.47076 (17102924)	166.37163

(17102924)
140.0 | 282.65779 (17021624) 263.35002 (17021624) 241.65965 (17021624) 223.25277 (17021624) 206.42104 (17021624)
150.0 | 246.74904 (17123024) 223.16857 (17123024) 206.87398 (17123024) 189.70343 (17123024) 175.24997 (17123024)
160.0 | 213.13687 (17112524) 200.30894 (17112524) 185.87343 (17112524) 175.15248 (17112524) 162.06415 (17112524)
170.0 | 228.17666 (17111624) 201.64701 (17111624) 187.67912 (17111624) 172.40478 (17111624) 158.60895 (17111624)
180.0 | 216.61985 (17121524) 195.82639 (17121524) 179.84448 (17121524) 163.46448 (17121524) 152.73434 (17121524)
190.0 | 154.10817 (17121308) 141.76249 (17121308) 131.03253 (17121308) 126.65477 (17121308) 118.83253 (17121308)
200.0 | 195.42174 (17022408) 162.58327 (17022408) 150.30302 (17022408) 146.48179 (17022408) 136.14905 (17022224)
210.0 | 180.11537 (17020608) 163.32824 (17020608) 150.62967 (17020608) 154.73651b(17101108) 145.44259b(17101108)
220.0 | 188.61835 (17120308) 142.94704 (17120108) 132.13468 (17120108) 122.66204 (17120108) 123.54985 (17120308)
230.0 | 207.02046 (17112724) 184.82940 (17112724) 167.99348 (17112724) 156.97610 (17112724) 141.67668 (17112724)
240.0 | 207.81922 (17011224) 188.66260 (17110108) 167.17740 (17120424) 150.84026 (17120424) 145.87918 (17110224)
250.0 | 221.85145 (17111808) 200.89908 (17111808) 187.89027 (17111808) 166.37931 (17111808) 152.40081 (17111808)
260.0 | 203.31619 (17021208) 181.76791 (17021208) 164.55054 (17021208) 148.49057 (17021208) 140.71435 (17021208)
270.0 | 186.07055m(17011624) 169.37967m(17011624) 154.76497m(17011624) 144.30341m(17011624) 134.67547m(17011624)
280.0 | 206.15924 (17012508) 185.52583 (17012508) 170.94090 (17012508) 159.84918 (17012508) 148.86944 (17012508)
290.0 | 218.07489 (17010108) 200.86908 (17013108) 180.91317 (17013108) 167.56693 (17013108) 155.90004 (17013108)
300.0 | 172.15871 (17022208) 157.79909 (17022208) 145.64603 (17022208) 135.44940 (17041808) 122.82919 (17022208)
310.0 | 168.98497 (17033008) 154.95576 (17033008) 143.69841 (17033008) 130.54075 (17033008) 122.02089 (17033008)
320.0 | 199.71921c(17122408) 182.17451c(17122408) 166.78466 (17030724) 151.21667 (17030724) 140.36904 (17030724)
330.0 | 190.18834 (17121508) 174.97098 (17121508) 159.99921 (17121508) 146.34751 (17121508) 137.09285 (17121508)
340.0 | 184.74737 (17072324) 169.01784 (17072324) 152.36265 (17072324) 140.51795 (17072324) 130.55341 (17072324)
350.0 | 195.59630 (17020808) 178.50924 (17020808) 164.75566 (17020808) 153.06911 (17020808) 142.90336 (17020808)
360.0 | 248.27436 (17012024) 226.32100 (17012024) 207.61801 (17012024) 191.90883 (17012024) 178.23210 (17012024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN ORIGIN

SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK :	375.70	118.90	1596.96561	(17011724)	TANK :	498.87	129.50	1300.19929c	(17092524)
TANK :	81.43	359.00	10655.69267	(17122008)	TANK :	116.79	44.50	8425.75883	(17060424)
TANK :	109.20	67.00	7270.46234	(17011824)	TANK :	100.70	93.73	6908.24304	(17042524)
TANK :	87.91	103.99	8804.08737	(17081224)	TANK :	99.82	123.38	9334.58117	(17013024)
TANK :	138.00	141.00	7789.98274	(17021624)	TANK :	106.00	180.00	9250.34617	(17122624)
TANK :	115.60	206.00	6942.09291	(17111016)	TANK :	54.00	270.00	19133.84452	(17021108)
TANK :	97.00	326.00	8164.80452	(17030724)	TANK :	133.94	242.10	6977.60367	(17112724)
TANK :	101.99	301.65	7622.34688	(17013108)	TANK :	236.54	274.95	2556.58529	(17071424)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE	RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	70664.92236	(17020106)	AT (	-54.00, -0.00)	DP	26.	48855.73799	(17021107)	AT (	-54.00, -0.00)	DP
2.	68289.56731	(17011907)	AT (	-54.00, -0.00)	DP	27.	48739.34509	(17010421)	AT (	34.20, -93.97)	GP
3.	67584.16993	(17120606)	AT (	-54.00, -0.00)	DP	28.	48679.49905	(17060420)	AT (	64.28, 76.60)	GP
4.	67097.79377	(17021108)	AT (	-54.00, -0.00)	DP	29.	47959.00640	(17040206)	AT (	-54.00, -0.00)	DP
5.	66902.32933	(17021207)	AT (	-54.00, -0.00)	DP	30.	47164.41385	(17121321)	AT (	50.00, -86.60)	GP
6.	65632.62341	(17021208)	AT (	-54.00, -0.00)	DP	31.	47132.46883	(17020108)	AT (	-54.00, -0.00)	DP
7.	63537.81853	(17021706)	AT (	-54.00, -0.00)	DP	32.	47093.98749	(17011706)	AT (	-54.00, -0.00)	DP
8.	63188.35237	(17071706)	AT (	-54.00, -0.00)	DP	33.	46538.48924	(17123119)	AT (	86.60, 50.00)	GP
9.	61805.65790	(17102620)	AT (	-54.00, -0.00)	DP	34.	46237.63425	(17122620)	AT (	0.00, -100.00)	GP
10.	61143.85101	(17121906)	AT (	-54.00, -0.00)	DP	35.	45954.90596	(17121719)	AT (	-0.00, 100.00)	GP
11.	59691.85891	(17070606)	AT (	-54.00, -0.00)	DP	36.	45807.95414	(17032007)	AT (	-54.00, -0.00)	DP
12.	58723.47317	(17102621)	AT (	-54.00, -0.00)	DP	37.	45541.42355	(17083106)	AT (	-54.00, -0.00)	DP
13.	57286.71945	(17121121)	AT (	-54.00, -0.00)	DP	38.	45432.88356	(17111807)	AT (	-54.00, -0.00)	DP
14.	56012.98129	(17121719)	AT (	-1.42, 81.42)	DP	39.	45377.09770	(17121719)	AT (	17.36, 98.48)	GP
15.	54684.53832	(17020107)	AT (	-54.00, -0.00)	DP	40.	45349.69447	(17123108)	AT (	-54.00, -0.00)	DP
16.	52523.96893	(17070206)	AT (	-54.00, -0.00)	DP	41.	45161.41532	(17123119)	AT (	76.60, 64.28)	GP
17.	52455.00220	(17032107)	AT (	-54.00, -0.00)	DP	42.	45129.56582	(17071421)	AT (	-54.00, -0.00)	DP
18.	51763.48777	(17071906)	AT (	-54.00, -0.00)	DP	43.	45060.54979	(17022107)	AT (	-54.00, -0.00)	DP
19.	51606.87782	(17031319)	AT (	-54.00, -0.00)	DP	44.	44981.47448	(17072106)	AT (	-54.00, -0.00)	DP
20.	51563.63702	(17072706)	AT (	-54.00, -0.00)	DP	45.	44951.50049	(17061506)	AT (	-54.00, -0.00)	DP
21.	51530.24418	(17122007)	AT (	-1.42, 81.42)	DP	46.	44736.41933	(17032806)	AT (	-54.00, -0.00)	DP
22.	51366.40335	(17052706)	AT (	-54.00, -0.00)	DP	47.	44538.58283	(17060406)	AT (	-54.00, -0.00)	DP
23.	51043.69084	(17060420)	AT (	76.60, 64.28)	GP	48.	44532.28339	(17121321)	AT (	34.20, -93.97)	GP
24.	50195.81654	(17081106)	AT (	-54.00, -0.00)	DP	49.	44190.51747	(17090406)	AT (	-54.00, -0.00)	DP
25.	50075.52894	(17012506)	AT (	-54.00, -0.00)	DP	50.	44186.96608	(17122306)	AT (	-54.00, -0.00)	DP

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	21560.24119	(17020108) AT	(-54.00, -0.00) DP	26.	12289.95496c	(17010608) AT	(-93.97, 34.20) GP
2.	21275.06990	(17102624) AT	(-54.00, -0.00) DP	27.	12278.79846	(17012424) AT	(93.97, -34.20) GP
3.	19133.84452	(17021108) AT	(-54.00, -0.00) DP	28.	12238.98341	(17041016) AT	(-54.00, -0.00) DP
4.	16904.42810	(17071424) AT	(-54.00, -0.00) DP	29.	12231.27452	(17022108) AT	(-54.00, -0.00) DP
5.	16570.49137	(17021208) AT	(-54.00, -0.00) DP	30.	12180.31502	(17071708) AT	(-54.00, -0.00) DP
6.	15016.07490	(17042016) AT	(-54.00, -0.00) DP	31.	12073.35800b	(17032708) AT	(-54.00, -0.00) DP
7.	14854.48705	(17011124) AT	(-54.00, -0.00) DP	32.	12060.95703	(17041516) AT	(-54.00, -0.00) DP
8.	14807.50731m	(17011624) AT	(-54.00, -0.00) DP	33.	11953.40296	(17123008) AT	(-54.00, -0.00) DP
9.	14467.85915	(17061216) AT	(-54.00, -0.00) DP	34.	11909.35416	(17102724) AT	(-54.00, -0.00) DP
10.	14466.81417b	(17011616) AT	(-54.00, -0.00) DP	35.	11794.71747	(17021108) AT	(-98.48, -17.36) GP
11.	13663.94103	(17123124) AT	(64.28, 76.60) GP	36.	11740.97097	(17071316) AT	(-54.00, -0.00) DP
12.	13368.80106m	(17101016) AT	(-54.00, -0.00) DP	37.	11699.04040	(17112416) AT	(17.36, -98.48) GP
13.	13306.11236	(17123124) AT	(76.60, 64.28) GP	38.	11655.38478	(17071416) AT	(-54.00, -0.00) DP
14.	13253.91097	(17060416) AT	(-54.00, -0.00) DP	39.	11626.40878c	(17122408) AT	(-50.00, 86.60) GP
15.	13164.82662	(17061924) AT	(-54.00, -0.00) DP	40.	11619.80182	(17030516) AT	(-54.00, -0.00) DP
16.	13151.24728	(17041916) AT	(-54.00, -0.00) DP	41.	11558.50733	(17123124) AT	(81.86, 83.30) DP
17.	13080.62414	(17011116) AT	(-54.00, -0.00) DP	42.	11547.72205	(17122324) AT	(-1.42, 81.42) DP
18.	13044.18341	(17012424) AT	(85.30, -21.25) DP	43.	11505.16931	(17102924) AT	(76.60, -64.28) GP
19.	12961.55494	(17120624) AT	(64.28, 76.60) GP	44.	11473.23122c	(17122408) AT	(-54.24, 80.42) DP
20.	12868.45702	(17031208) AT	(-54.00, -0.00) DP	45.	11470.04798	(17102524) AT	(76.60, -64.28) GP
21.	12859.17258	(17102116) AT	(-54.00, -0.00) DP	46.	11454.68292	(17102624) AT	(-98.48, -17.36) GP
22.	12700.56496	(17030616) AT	(-54.00, -0.00) DP	47.	11433.34864	(17112816) AT	(-54.00, -0.00) DP
23.	12530.67061	(17111808) AT	(-54.00, -0.00) DP	48.	11369.75491	(17022008) AT	(-50.00, -86.60) GP
24.	12383.04596	(17112124) AT	(-54.00, -0.00) DP	49.	11338.18693m	(17011024) AT	(-54.00, -0.00) DP
25.	12328.82196	(17021108) AT	(-93.97, -34.20) GP	50.	11214.13562	(17102524) AT	(64.28, -76.60) GP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	2151.59248 AT (-54.00, -0.00, 7.66, 7.66, 0.00) DP	
	2ND HIGHEST VALUE IS	1301.73875 AT (-86.60, -50.00, 7.10, 7.10, 0.00) GP	POL1
	3RD HIGHEST VALUE IS	1287.38608 AT (-76.60, -64.28, 6.80, 6.80, 0.00) GP	POL1
	4TH HIGHEST VALUE IS	1228.29127 AT (-93.97, -34.20, 7.30, 7.30, 0.00) GP	POL1
	5TH HIGHEST VALUE IS	1217.34243 AT (-64.28, -76.60, 6.40, 6.40, 0.00) GP	POL1
	6TH HIGHEST VALUE IS	1102.54677 AT (-50.00, -86.60, 6.40, 6.40, 0.00) GP	POL1
	7TH HIGHEST VALUE IS	1084.39651 AT (-98.48, -17.36, 7.50, 7.50, 0.00) GP	POL1
	8TH HIGHEST VALUE IS	957.82521 AT (-34.20, -93.97, 6.40, 6.40, 0.00) GP	POL1

9TH HIGHEST VALUE IS 928.84060 AT (-100.00, -0.00, 7.80, 7.80, 0.00) GP POL1
10TH HIGHEST VALUE IS 870.57131 AT (86.60, 50.00, 7.20, 7.20, 0.00) GP POL1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 53
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	70664.92236	ON 17020106: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 2ND HIGH VALUE IS	68289.56731	ON 17011907: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 3RD HIGH VALUE IS	67584.16993	ON 17120606: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:08:15
PAGE 54
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	21560.24119	ON 17020108: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 2ND HIGH VALUE IS	21275.06990	ON 17102624: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 3RD HIGH VALUE IS	19133.84452	ON 17021108: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 *** 12/09/22

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 145 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 79 Calm Hours Identified

A Total of 66 Missing Hours Identified (0.75 Percent)

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** AERMOD Finishes Successfully ***
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**USEgeneric12018withAERMAPProcessedElevs

CO STARTING
CO TITLEONE USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018
CO MODELOPT DFAULT CONC ELEV
**CO MODELOPT CONC ELEVATED
CO AVERTIME 1 8 PERIOD
CO POLLUTID HCL
CO RUNORNOT RUN
**CO URBANOPT UrbPop (UrbName) (UrbRoughness)
CO URBANOPT 397809
CO FINISHED

SO STARTING
SO LOCATION TANK  AREA  0.0 0.0 0.0
SO URBANSRC ALL
**SO EMISFACT SrcID or SrcRange Qflag Qfact(i), i=1,n  HOUR-OF-Day Specific factor
** HOURLY SPECIFIC EMISSIONS ADJUSTMENT: 1-5 0  6-21 1.0  22 -24 0
SO EMISFACT TANK HROFDY 5*0.0 16*1.0 3*0.0
SO SRCPARAM TANK 1.0 6.096 6.096
SO SRCGROUP ALL
SO FINISHED

RE STARTING

** AERMAP - VERSION 18081                                    12/09/22
**                                                  14:52:07
**  Using USGS_ned_1_N28W083_GRIDFLOAT.TIF
**  With NAD27 Anchor Point
** A total of       1  NED files were used
** A total of     736  receptors were processed
** DOMAINXY  361366.0 3090645.0 17 369209.0 3097023.0 17
** ANCHORXY  0.0      0.0     364725.57  3093695.53  17  0
** Terrain heights were extracted by default

RE ELEVUNIT METERS
  GRIDPOLR POL1 STA
        POL1 ORIG   0.0   0.0
        POL1 DIST   100.   200. 300. 400. 500. 600. 700. 800. 900. 1000. 1100. 1200. 1300. 1400. 1500. 1600. 1700. 1800.
1900. 2000.
        POL1 GDIR   36     10.    10.
  GRIDPOLR POL1     ELEV    1      8.3      9.2      9.0      8.7      8.8      8.1
  GRIDPOLR POL1     ELEV    1      6.9      6.5      8.2      9.2      9.4      9.8
  GRIDPOLR POL1     ELEV    1      9.4      9.8     10.0     10.1      9.8      9.6
  GRIDPOLR POL1     ELEV    1      8.5      7.3
  GRIDPOLR POL1     ELEV    2      8.2      8.7      8.6      8.6      8.4      8.4
  GRIDPOLR POL1     ELEV    2      7.3      6.5      7.1      8.2      9.4      9.6
  GRIDPOLR POL1     ELEV    2      9.1      8.9      8.6      7.9      6.4      6.4
  GRIDPOLR POL1     ELEV    2      6.9      7.3
  GRIDPOLR POL1     ELEV    3      7.8      8.4      8.5      8.5      8.8      8.1
  GRIDPOLR POL1     ELEV    3      7.6      7.3      6.3      6.5      6.3      6.0
  GRIDPOLR POL1     ELEV    3      6.7      6.9      6.1      5.7      5.7      5.5
  GRIDPOLR POL1     ELEV    3      5.1      5.1
  GRIDPOLR POL1     ELEV    4      7.4      7.8      8.1      8.3      8.4      8.6
  GRIDPOLR POL1     ELEV    4      6.4      5.8      5.1      5.4      2.0      2.0
  GRIDPOLR POL1     ELEV    4      2.0      2.0      2.0      2.0      2.0      2.0
  GRIDPOLR POL1     ELEV    4      2.0      2.0
  GRIDPOLR POL1     ELEV    5      7.2      7.6      7.4      6.8      7.8      7.6
  GRIDPOLR POL1     ELEV    5      4.6      3.4      2.0      2.0      5.6      6.2
  GRIDPOLR POL1     ELEV    5      6.3      7.4      8.0      7.1      7.7      7.1
  GRIDPOLR POL1     ELEV    5      6.7      7.3
  GRIDPOLR POL1     ELEV    6      7.2      7.4      6.8      6.0      6.8      4.7
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GRIDPOLR POL1	ELEV	6	3.8	2.0	2.0	6.2	7.0	5.7
GRIDPOLR POL1	ELEV	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR POL1	ELEV	6	7.4	7.9				
GRIDPOLR POL1	ELEV	7	7.1	7.0	6.4	5.9	7.1	10.0
GRIDPOLR POL1	ELEV	7	2.6	2.0	10.0	7.7	7.8	7.4
GRIDPOLR POL1	ELEV	7	7.1	7.0	6.9	9.0	7.1	7.3
GRIDPOLR POL1	ELEV	7	7.0	8.1				
GRIDPOLR POL1	ELEV	8	6.8	6.9	5.8	5.4	5.1	3.2
GRIDPOLR POL1	ELEV	8	2.0	2.0	7.3	8.4	10.1	10.1
GRIDPOLR POL1	ELEV	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR POL1	ELEV	8	7.6	8.2				
GRIDPOLR POL1	ELEV	9	6.6	6.4	5.8	4.8	4.6	4.2
GRIDPOLR POL1	ELEV	9	2.0	4.8	5.6	6.7	7.7	7.6
GRIDPOLR POL1	ELEV	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR POL1	ELEV	9	6.7	7.0				
GRIDPOLR POL1	ELEV	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR POL1	ELEV	10	2.0	5.1	4.9	5.6	5.3	5.3
GRIDPOLR POL1	ELEV	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR POL1	ELEV	10	7.3	7.9				
GRIDPOLR POL1	ELEV	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR POL1	ELEV	11	2.0	6.3	8.7	8.1	5.1	5.4
GRIDPOLR POL1	ELEV	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR POL1	ELEV	11	7.0	6.8				
GRIDPOLR POL1	ELEV	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR POL1	ELEV	12	2.0	4.5	10.1	8.2	9.3	4.8
GRIDPOLR POL1	ELEV	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR POL1	ELEV	12	7.3	7.3				
GRIDPOLR POL1	ELEV	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR POL1	ELEV	13	2.0	3.1	7.7	8.0	7.5	5.7
GRIDPOLR POL1	ELEV	13	4.4	3.8	3.7	4.2	5.1	5.7
GRIDPOLR POL1	ELEV	13	7.0	6.2				
GRIDPOLR POL1	ELEV	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR POL1	ELEV	14	1.2	0.0	0.0	3.3	3.3	3.4
GRIDPOLR POL1	ELEV	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR POL1	ELEV	14	5.8	5.4				
GRIDPOLR POL1	ELEV	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR POL1	ELEV	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR POL1	ELEV	15	3.0	3.0	5.6	7.2	4.1	4.6
GRIDPOLR POL1	ELEV	15	4.9	5.6				
GRIDPOLR POL1	ELEV	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR POL1	ELEV	16	5.3	3.8	1.5	2.3	0.0	0.0
GRIDPOLR POL1	ELEV	16	3.7	5.3	3.8	1.6	3.3	3.6
GRIDPOLR POL1	ELEV	16	4.4	4.1				
GRIDPOLR POL1	ELEV	17	6.1	5.0	4.7	3.5	5.0	5.0
GRIDPOLR POL1	ELEV	17	4.8	4.5	9.4	2.4	3.6	0.0
GRIDPOLR POL1	ELEV	17	0.0	1.7	3.2	2.3	2.8	3.3
GRIDPOLR POL1	ELEV	17	3.6	4.1				
GRIDPOLR POL1	ELEV	18	6.1	5.1	4.7	4.9	4.9	5.1
GRIDPOLR POL1	ELEV	18	5.0	4.5	4.5	3.3	4.4	2.6
GRIDPOLR POL1	ELEV	18	0.0	0.0	2.7	3.2	2.7	3.0
GRIDPOLR POL1	ELEV	18	3.1	3.7				
GRIDPOLR POL1	ELEV	19	6.3	5.0	4.7	4.8	5.2	5.5
GRIDPOLR POL1	ELEV	19	5.3	4.8	4.9	4.4	4.7	4.9
GRIDPOLR POL1	ELEV	19	3.2	4.1	0.2	0.0	0.0	0.0
GRIDPOLR POL1	ELEV	19	3.4	3.7				
GRIDPOLR POL1	ELEV	20	6.4	5.0	4.8	4.2	5.0	5.2
GRIDPOLR POL1	ELEV	20	5.6	5.0	4.4	3.8	3.8	3.4
GRIDPOLR POL1	ELEV	20	4.1	5.4	12.4	7.3	0.0	0.0
GRIDPOLR POL1	ELEV	20	2.8	3.0				
GRIDPOLR POL1	ELEV	21	6.4	4.8	5.3	5.2	4.6	4.9
GRIDPOLR POL1	ELEV	21	7.3	4.7	4.6	3.2	3.1	2.7
GRIDPOLR POL1	ELEV	21	2.9	2.6	6.3	0.0	0.0	0.1

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GRIDPOLR POL1    ELEV  21     2.7     3.1
GRIDPOLR POL1    ELEV  22     6.4     5.1     5.6     5.9     5.6     4.9
GRIDPOLR POL1    ELEV  22    16.0    11.8     5.0     4.5     3.4     2.6
GRIDPOLR POL1    ELEV  22     2.3     3.0     3.1     7.9     0.0     0.0
GRIDPOLR POL1    ELEV  22     0.0     1.7
GRIDPOLR POL1    ELEV  23     6.8     6.2     5.8     6.1     5.8     6.6
GRIDPOLR POL1    ELEV  23     5.4     4.9     4.6     4.6     4.7     4.4
GRIDPOLR POL1    ELEV  23     3.0     3.2     2.0     2.4     2.9     2.6
GRIDPOLR POL1    ELEV  23     1.6     2.2
GRIDPOLR POL1    ELEV  24     7.1     6.4     6.4     6.3     6.5     7.4
GRIDPOLR POL1    ELEV  24     6.2     5.9     5.6     5.3     5.2     4.6
GRIDPOLR POL1    ELEV  24     5.1     4.8     3.3     3.3     2.9     1.4
GRIDPOLR POL1    ELEV  24     0.8     2.0
GRIDPOLR POL1    ELEV  25     7.3     7.3     7.1     6.9     8.1     7.5
GRIDPOLR POL1    ELEV  25     7.8     7.7     7.9     6.5     6.2     5.6
GRIDPOLR POL1    ELEV  25     5.5     5.3     4.8     4.7     4.1     4.5
GRIDPOLR POL1    ELEV  25     3.0     1.9
GRIDPOLR POL1    ELEV  26     7.5     7.9     7.7     8.4     8.2     8.4
GRIDPOLR POL1    ELEV  26     8.4     8.3     8.6     8.3     8.1     7.9
GRIDPOLR POL1    ELEV  26     7.6     7.1     6.7     6.6     5.6     4.9
GRIDPOLR POL1    ELEV  26     4.0     4.5
GRIDPOLR POL1    ELEV  27     7.8     8.3     8.4     8.5     8.2     9.1
GRIDPOLR POL1    ELEV  27     8.4     8.6     7.9     6.7     6.9     6.6
GRIDPOLR POL1    ELEV  27     6.8     7.0     7.0     7.1     6.6     6.0
GRIDPOLR POL1    ELEV  27     6.2     6.4
GRIDPOLR POL1    ELEV  28     8.2     8.8     9.3     8.2     8.5     8.3
GRIDPOLR POL1    ELEV  28     8.3     7.7     6.9     6.9     6.0     7.3
GRIDPOLR POL1    ELEV  28     8.6     9.5    11.1    10.0     8.8     8.6
GRIDPOLR POL1    ELEV  28     8.9     9.6
GRIDPOLR POL1    ELEV  29     8.3     9.1     9.0     8.4     8.7     8.0
GRIDPOLR POL1    ELEV  29     7.8     7.5     7.3     7.3     8.5     8.6
GRIDPOLR POL1    ELEV  29     9.5     9.6     9.7    10.1    10.3    10.5
GRIDPOLR POL1    ELEV  29    11.3    11.1
GRIDPOLR POL1    ELEV  30     8.6     8.6     8.9     8.5     8.3     8.1
GRIDPOLR POL1    ELEV  30     7.6     7.4     7.8     8.4     9.7     8.8
GRIDPOLR POL1    ELEV  30     8.6     8.7    10.3     9.0     8.8     8.6
GRIDPOLR POL1    ELEV  30     8.7    10.1
GRIDPOLR POL1    ELEV  31     8.9     9.4     8.7     8.7     8.1     7.7
GRIDPOLR POL1    ELEV  31     8.0     8.2     8.8     8.0     8.3     9.1
GRIDPOLR POL1    ELEV  31    10.7    11.3     8.2     9.6     9.1     9.3
GRIDPOLR POL1    ELEV  31     7.9     7.9
GRIDPOLR POL1    ELEV  32     8.5     8.9     9.0     8.7     8.0     8.1
GRIDPOLR POL1    ELEV  32     8.5     9.2     9.7     8.6     8.4    10.4
GRIDPOLR POL1    ELEV  32    11.0    11.5    11.9    10.2     9.3    11.6
GRIDPOLR POL1    ELEV  32     8.9     8.7
GRIDPOLR POL1    ELEV  33     8.5     8.6     9.0     8.8     8.4     8.2
GRIDPOLR POL1    ELEV  33     8.2     9.9    10.9    11.0    12.7    11.4
GRIDPOLR POL1    ELEV  33    10.9    11.7    11.7    11.5    11.9     9.8
GRIDPOLR POL1    ELEV  33     8.0     9.0
GRIDPOLR POL1    ELEV  34     8.5     8.8     8.7     8.8     7.6     7.8
GRIDPOLR POL1    ELEV  34     7.4     9.4    10.8    10.8    11.3    10.7
GRIDPOLR POL1    ELEV  34    10.4    10.9    12.3    10.6    10.9     8.0
GRIDPOLR POL1    ELEV  34     8.0     8.6
GRIDPOLR POL1    ELEV  35     8.6     9.0     9.0     8.7     7.9     7.5
GRIDPOLR POL1    ELEV  35     7.6     8.5     9.8    10.0     9.8    10.2
GRIDPOLR POL1    ELEV  35     9.9     9.7     9.7    10.9    10.6    10.8
GRIDPOLR POL1    ELEV  35    10.7    11.0
GRIDPOLR POL1    ELEV  36     8.3     9.1     8.7     8.7     8.2     7.2
GRIDPOLR POL1    ELEV  36     7.1     8.4     9.4     9.4     8.2     8.5
GRIDPOLR POL1    ELEV  36     9.2     9.3    10.2    10.5    10.7    10.8
GRIDPOLR POL1    ELEV  36    10.2     9.8
GRIDPOLR POL1    HILL   1     8.3     9.2     9.0     8.7     8.8     8.1
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GRIDPOLR	POL1	HILL	1	6.9	6.5	8.2	9.2	9.4	9.8
GRIDPOLR	POL1	HILL	1	9.4	9.8	10.0	10.1	9.8	9.6
GRIDPOLR	POL1	HILL	1	8.5	7.3				
GRIDPOLR	POL1	HILL	2	8.2	9.5	8.6	8.6	8.4	8.4
GRIDPOLR	POL1	HILL	2	7.3	6.5	7.1	8.2	9.4	9.6
GRIDPOLR	POL1	HILL	2	9.1	8.9	8.6	7.9	6.4	6.4
GRIDPOLR	POL1	HILL	2	6.9	7.3				
GRIDPOLR	POL1	HILL	3	7.8	8.4	8.5	8.5	8.8	8.1
GRIDPOLR	POL1	HILL	3	7.6	7.3	6.3	6.5	6.3	6.0
GRIDPOLR	POL1	HILL	3	6.7	6.9	6.1	5.7	5.7	5.5
GRIDPOLR	POL1	HILL	3	5.1	5.1				
GRIDPOLR	POL1	HILL	4	7.4	7.8	8.1	8.3	8.4	8.6
GRIDPOLR	POL1	HILL	4	6.4	5.8	5.1	6.2	2.0	2.0
GRIDPOLR	POL1	HILL	4	2.0	2.0	2.0	2.0	2.0	2.0
GRIDPOLR	POL1	HILL	4	2.0	5.1				
GRIDPOLR	POL1	HILL	5	7.2	7.6	7.4	6.8	7.8	7.6
GRIDPOLR	POL1	HILL	5	4.6	3.4	2.0	2.0	5.6	6.2
GRIDPOLR	POL1	HILL	5	6.3	7.4	8.0	7.1	7.7	7.1
GRIDPOLR	POL1	HILL	5	7.9	7.3				
GRIDPOLR	POL1	HILL	6	7.2	7.4	6.8	6.0	6.8	12.5
GRIDPOLR	POL1	HILL	6	7.1	2.0	6.5	6.2	7.0	5.7
GRIDPOLR	POL1	HILL	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR	POL1	HILL	6	7.4	7.9				
GRIDPOLR	POL1	HILL	7	7.1	7.0	6.4	5.9	11.6	11.2
GRIDPOLR	POL1	HILL	7	5.0	2.0	10.0	7.7	7.8	7.4
GRIDPOLR	POL1	HILL	7	7.1	7.0	15.1	16.4	7.1	7.3
GRIDPOLR	POL1	HILL	7	7.0	8.1				
GRIDPOLR	POL1	HILL	8	6.8	6.9	5.8	5.4	5.1	4.1
GRIDPOLR	POL1	HILL	8	2.0	9.3	7.3	8.4	10.1	10.1
GRIDPOLR	POL1	HILL	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR	POL1	HILL	8	7.6	8.2				
GRIDPOLR	POL1	HILL	9	6.6	6.4	5.8	4.8	5.2	4.2
GRIDPOLR	POL1	HILL	9	2.0	5.9	5.6	6.7	7.7	7.6
GRIDPOLR	POL1	HILL	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR	POL1	HILL	9	6.7	7.0				
GRIDPOLR	POL1	HILL	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR	POL1	HILL	10	2.0	7.8	7.1	5.6	5.3	5.3
GRIDPOLR	POL1	HILL	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR	POL1	HILL	10	7.3	7.9				
GRIDPOLR	POL1	HILL	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR	POL1	HILL	11	2.0	9.5	8.7	8.1	5.1	5.4
GRIDPOLR	POL1	HILL	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR	POL1	HILL	11	7.0	6.8				
GRIDPOLR	POL1	HILL	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR	POL1	HILL	12	2.0	8.8	10.1	14.4	15.9	15.9
GRIDPOLR	POL1	HILL	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR	POL1	HILL	12	7.3	7.3				
GRIDPOLR	POL1	HILL	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR	POL1	HILL	13	4.0	3.8	7.7	8.0	8.3	13.2
GRIDPOLR	POL1	HILL	13	6.7	3.8	3.7	4.2	5.1	5.7
GRIDPOLR	POL1	HILL	13	7.0	6.2				
GRIDPOLR	POL1	HILL	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR	POL1	HILL	14	3.1	0.0	0.0	3.3	3.3	3.4
GRIDPOLR	POL1	HILL	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR	POL1	HILL	14	5.8	5.4				
GRIDPOLR	POL1	HILL	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR	POL1	HILL	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR	POL1	HILL	15	3.0	3.0	9.8	7.2	4.1	4.6
GRIDPOLR	POL1	HILL	15	4.9	5.6				
GRIDPOLR	POL1	HILL	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR	POL1	HILL	16	12.0	13.1	13.1	2.9	0.0	0.0
GRIDPOLR	POL1	HILL	16	3.7	5.3	3.8	3.1	3.3	3.6

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GRIDPOLR POL1    HILL  16    4.4    4.1
GRIDPOLR POL1    HILL  17    6.1    5.0    4.7    3.5    5.0    5.0
GRIDPOLR POL1    HILL  17    4.8   13.1    9.4    2.4    3.6    4.1
GRIDPOLR POL1    HILL  17    0.0    1.7    3.2    2.3    2.8    3.3
GRIDPOLR POL1    HILL  17    3.6    4.1
GRIDPOLR POL1    HILL  18    6.1    5.1    4.7    4.9    4.9    5.1
GRIDPOLR POL1    HILL  18    5.0    4.5    4.5    3.3    4.4    2.6
GRIDPOLR POL1    HILL  18    0.0    0.0    2.7    3.2    2.7    3.0
GRIDPOLR POL1    HILL  18    3.1    3.7
GRIDPOLR POL1    HILL  19    6.3    5.0    4.7    4.8    5.2    5.5
GRIDPOLR POL1    HILL  19    5.3    4.8    4.9    4.4    4.7    4.9
GRIDPOLR POL1    HILL  19   12.5   13.3   13.6   13.6    0.0    0.0
GRIDPOLR POL1    HILL  19    3.4    3.7
GRIDPOLR POL1    HILL  20    6.4    5.0    4.8    4.2    5.0    5.2
GRIDPOLR POL1    HILL  20    5.6    5.0    4.4    3.8    3.8    3.4
GRIDPOLR POL1    HILL  20    4.1   14.1   12.4   12.9   12.9    0.0
GRIDPOLR POL1    HILL  20    2.8    3.0
GRIDPOLR POL1    HILL  21    6.4    4.8    5.3    5.2    4.6   16.4
GRIDPOLR POL1    HILL  21   16.9   16.5    4.6    3.2    3.1    2.7
GRIDPOLR POL1    HILL  21    2.9    4.3   10.8   11.0    0.0    2.4
GRIDPOLR POL1    HILL  21    2.7    3.1
GRIDPOLR POL1    HILL  22    6.4    5.1    5.6    5.9    5.6   16.8
GRIDPOLR POL1    HILL  22   16.0   16.7   16.1    4.5    3.4    2.6
GRIDPOLR POL1    HILL  22    2.3    3.0    9.4    9.2    9.1    0.0
GRIDPOLR POL1    HILL  22    0.0    1.7
GRIDPOLR POL1    HILL  23    6.8    6.2    5.8    6.1    5.8    6.6
GRIDPOLR POL1    HILL  23   16.8   16.8   16.4    4.6    4.7    4.4
GRIDPOLR POL1    HILL  23    3.0    3.2    2.0    2.4    2.9    2.6
GRIDPOLR POL1    HILL  23    1.6    9.6
GRIDPOLR POL1    HILL  24    7.1    6.4    6.4    6.3    6.5    7.4
GRIDPOLR POL1    HILL  24    6.2    5.9    5.6    5.3    5.2    4.6
GRIDPOLR POL1    HILL  24    5.1    4.8    3.3    3.3    2.9    1.4
GRIDPOLR POL1    HILL  24    0.8    2.0
GRIDPOLR POL1    HILL  25    7.3    7.3    7.1    6.9    8.1    7.5
GRIDPOLR POL1    HILL  25    7.8    7.7    7.9    7.6    6.2    5.6
GRIDPOLR POL1    HILL  25    5.9    5.3    4.8    4.7    4.1    4.5
GRIDPOLR POL1    HILL  25    3.0    1.9
GRIDPOLR POL1    HILL  26    7.5    7.9    7.7    8.4    8.2    8.4
GRIDPOLR POL1    HILL  26    8.4    8.3    8.6    8.3    8.1    7.9
GRIDPOLR POL1    HILL  26    7.6    7.1    6.7    6.6    5.6    4.9
GRIDPOLR POL1    HILL  26    4.0    4.5
GRIDPOLR POL1    HILL  27    7.8    8.3    8.4    8.5    8.2    9.1
GRIDPOLR POL1    HILL  27    8.4    8.6    7.9    6.7    6.9    6.6
GRIDPOLR POL1    HILL  27    6.8    7.0    7.0    7.1    6.6   12.2
GRIDPOLR POL1    HILL  27   14.2   14.2
GRIDPOLR POL1    HILL  28    8.2    8.8    9.3    9.3    8.5    8.3
GRIDPOLR POL1    HILL  28    8.3    7.7    6.9    6.9    6.0    7.3
GRIDPOLR POL1    HILL  28    8.6    9.5   11.1   10.0    8.8    8.6
GRIDPOLR POL1    HILL  28    8.9    9.6
GRIDPOLR POL1    HILL  29    8.3    9.1    9.0    8.4    8.7    8.0
GRIDPOLR POL1    HILL  29    7.8    7.5    7.3    7.3    8.5    8.6
GRIDPOLR POL1    HILL  29    9.5    9.6    9.7   10.1   10.3   10.5
GRIDPOLR POL1    HILL  29   11.3   11.1
GRIDPOLR POL1    HILL  30    8.6    8.6    8.9    8.5    8.3    8.1
GRIDPOLR POL1    HILL  30    7.6    7.4    7.8    8.4    9.7    8.8
GRIDPOLR POL1    HILL  30    8.6    8.7   10.3    9.0    8.8    8.6
GRIDPOLR POL1    HILL  30    9.5   10.1
GRIDPOLR POL1    HILL  31    8.9    9.4    8.7    8.7    8.1    7.7
GRIDPOLR POL1    HILL  31    8.0    8.2    8.8    8.0    8.3    9.1
GRIDPOLR POL1    HILL  31   14.9   15.4    8.2    9.6    9.1    9.3
GRIDPOLR POL1    HILL  31    7.9    7.9
GRIDPOLR POL1    HILL  32    8.5    8.9    9.0    8.8    8.0    8.1
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  GRIDPOLR POL1     HILL  32     8.5     9.2     9.7     8.6     8.4    10.4
  GRIDPOLR POL1     HILL  32    11.0    11.5    11.9    10.2     9.3    11.6
  GRIDPOLR POL1     HILL  32     8.9     8.7
  GRIDPOLR POL1     HILL  33     8.5     8.6     9.0     8.8     8.4     8.2
  GRIDPOLR POL1     HILL  33     8.2     9.9    10.9    11.0    12.7    11.4
  GRIDPOLR POL1     HILL  33    10.9    11.7    11.7    11.5    11.9     9.8
  GRIDPOLR POL1     HILL  33     8.0     9.0
  GRIDPOLR POL1     HILL  34     8.5     8.8     8.7     8.8     7.6     7.8
  GRIDPOLR POL1     HILL  34     7.4     9.4    10.8    10.8    11.3    10.7
  GRIDPOLR POL1     HILL  34    10.4    10.9    12.3    16.6    10.9     8.0
  GRIDPOLR POL1     HILL  34     8.0     8.6
  GRIDPOLR POL1     HILL  35     8.6     9.0     9.0     8.7     7.9     7.5
  GRIDPOLR POL1     HILL  35     7.6     8.5     9.8    10.0     9.8    10.2
  GRIDPOLR POL1     HILL  35     9.9     9.7     9.7    10.9    10.6    10.8
  GRIDPOLR POL1     HILL  35    10.7    11.0
  GRIDPOLR POL1     HILL  36     8.3     9.1     8.7     8.7     8.2     7.2
  GRIDPOLR POL1     HILL  36     7.1     8.4     9.4     9.4     8.2     8.5
  GRIDPOLR POL1     HILL  36     9.2     9.3    10.2    10.5    10.7    10.8
  GRIDPOLR POL1     HILL  36    10.2    11.9
  GRIDPOLR POL1 END
  DISCPOLR TANK          375.70    118.90     4.13     4.13
  DISCPOLR TANK          498.87    129.50     4.28     4.28
  DISCPOLR TANK           81.43    359.00     8.22     8.22
  DISCPOLR TANK          116.79     44.50     7.45     7.45
  DISCPOLR TANK          109.20     67.00     7.18     7.18
  DISCPOLR TANK          100.70     93.73     6.54     6.54
  DISCPOLR TANK           87.91    103.99     6.86     6.86
  DISCPOLR TANK           99.82    123.38     6.79     6.79
  DISCPOLR TANK          138.00    141.00     5.94     5.94
  DISCPOLR TANK          106.00    180.00     5.90     5.90
  DISCPOLR TANK          115.60    206.00     5.94     5.94
  DISCPOLR TANK           54.00    270.00     7.66     7.66
  DISCPOLR TANK           97.00    326.00     8.52     8.52
  DISCPOLR TANK          133.94    242.10     7.16     7.16
  DISCPOLR TANK          101.99    301.65     8.70     8.70
  DISCPOLR TANK          236.54    274.95     8.35     8.35

RE FINISHED

ME STARTING
  SURFFILE  TPA2018_V19191.sfc
  PROFFILE  TPA2018_V19191.pfl
  SURFDATA  12842  2018
  UAIRDATA 12842  2018
  SITEDATA  12842  2018
  PROFBASE  0.0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  ALLAVE  FIRST-THIRD
OU MAXTABLE  ALLAVE  50
OU SUMMFILE USECOLO1.SUM
OU FINISHED


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

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

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

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** SETUP Finishes Successfully ***
****

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 1
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 397809.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: HCL

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 736 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 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 19191

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE 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) = 0.00 ; 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: GenericUSE1GramWithElevs2018f.inp
**Output Print File: GenericUSE1GramWithElevs2018f.out

**File for Summary of Results: USECOLO1.SUM
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TANK	0	0.10000E+01	0.0	0.0	0.0	6.10	6.10	6.10	0.00	0.00	YES	HROFDY

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TANK ,

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

URBAN ID	URBAN POP	SOURCE IDs
397809.	TANK	,

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

SOURCE ID = TANK ; SOURCE TYPE = AREA :

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

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***
X-ORIG = 0.00 ; Y-ORIG = 0.00 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

100.0, 200.0, 300.0, 400.0, 500.0, 600.0, 700.0, 800.0, 900.0, 1000.0,
1100.0, 1200.0, 1300.0, 1400.0, 1500.0, 1600.0, 1700.0, 1800.0, 1900.0, 2000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	8.70	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	4.70	3.80	2.00	2.00
70.00	7.10	7.00	6.40	5.90	7.10	10.00	2.60	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	3.20	2.00	2.00	7.30
90.00	6.60	6.40	5.80	4.80	4.60	4.20	2.00	4.80	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	5.10	4.90
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	6.30	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	4.50	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	2.00	3.10	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	1.20	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	5.30	3.80	1.50
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	4.50	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	4.90	7.30	4.70	4.60
220.00	6.40	5.10	5.60	5.90	5.60	4.90	16.00	11.80	5.00
230.00	6.80	6.20	5.80	6.10	5.80	6.60	5.40	4.90	4.60
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60
250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	8.20	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.70	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00

10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	5.40	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	6.90	9.00	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	8.20	9.30	4.80	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	7.50	5.70	4.40	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	5.60	7.20	4.10	4.60
160.00	2.30	0.00	0.00	3.70	5.30	3.80	1.60	3.30	3.60
170.00	2.40	3.60	0.00	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	3.20	4.10	0.20	0.00	0.00	0.00
200.00	3.80	3.80	3.40	4.10	5.40	12.40	7.30	0.00	0.00
210.00	3.20	3.10	2.70	2.90	2.60	6.30	0.00	0.00	0.10
220.00	4.50	3.40	2.60	2.30	3.00	3.10	7.90	0.00	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	6.50	6.20	5.60	5.50	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	6.00
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	10.70	11.30	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	10.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	2.00
50.00	6.70	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30

130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	2.20
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	6.20	6.40
280.00	8.90	9.60
290.00	11.30	11.10
300.00	8.70	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	9.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	9.50	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	12.50	7.10	2.00	6.50
70.00	7.10	7.00	6.40	5.90	11.60	11.20	5.00	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	4.10	2.00	9.30	7.30
90.00	6.60	6.40	5.80	4.80	5.20	4.20	2.00	5.90	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	7.80	7.10
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	9.50	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	8.80	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	4.00	3.80	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	3.10	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	12.00	13.10	13.10
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	13.10	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	16.40	16.90	16.50	4.60
220.00	6.40	5.10	5.60	5.90	5.60	16.80	16.00	16.70	16.10
230.00	6.80	6.20	5.80	6.10	5.80	6.60	16.80	16.80	16.40
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60

250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	9.30	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.80	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	6.20	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	15.10	16.40	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	14.40	15.90	15.90	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	8.30	13.20	6.70	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	9.80	7.20	4.10	4.60
160.00	2.90	0.00	0.00	3.70	5.30	3.80	3.10	3.30	3.60
170.00	2.40	3.60	4.10	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	12.50	13.30	13.60	13.60	0.00	0.00
200.00	3.80	3.80	3.40	4.10	14.10	12.40	12.90	12.90	0.00
210.00	3.20	3.10	2.70	2.90	4.30	10.80	11.00	0.00	2.40
220.00	4.50	3.40	2.60	2.30	3.00	9.40	9.20	9.10	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	7.60	6.20	5.60	5.90	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	12.20
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	14.90	15.40	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	16.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	5.10
50.00	7.90	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30
130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	9.60
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	14.20	14.20
280.00	8.90	9.60
290.00	11.30	11.10
300.00	9.50	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	11.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZHILL, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS,METERS)

TANK : (375.7, 118.9, 4.1, 4.1, 0.0); TANK : (498.9, 129.5, 4.3, 4.3, 0.0);
TANK : (81.4, 359.0, 8.2, 8.2, 0.0); TANK : (116.8, 44.5, 7.5, 7.5, 0.0);

TANK : (109.2, 67.0, 7.2, 7.2, 0.0); TANK : (100.7, 93.7, 6.5, 6.5, 0.0);
TANK : (87.9, 104.0, 6.9, 6.9, 0.0); TANK : (99.8, 123.4, 6.8, 6.8, 0.0);
TANK : (138.0, 141.0, 5.9, 5.9, 0.0); TANK : (106.0, 180.0, 5.9, 5.9, 0.0);
TANK : (115.6, 206.0, 5.9, 5.9, 0.0); TANK : (54.0, 270.0, 7.7, 7.7, 0.0);
TANK : (97.0, 326.0, 8.5, 8.5, 0.0); TANK : (133.9, 242.1, 7.2, 7.2, 0.0);
TANK : (102.0, 301.6, 8.7, 8.7, 0.0); TANK : (236.5, 274.9, 8.4, 8.4, 0.0);

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 14
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 15
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: TPA2018_V19191.sfc Met Version: 19191
Profile file: TPA2018_V19191.pfl
Surface format: FREE
Profile format: FREE
Surface station no.: 12842 Upper air station no.: 12842
Name: UNKNOWN Name: UNKNOWN
Year: 2018 Year: 2018

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
18	01	01	1	01	-8.2	0.120	-9.000	-9.000	-999.	100.	19.3	0.15	0.34	1.00	1.30	127.	7.9	291.4	2.0
18	01	01	1	02	-12.9	0.153	-9.000	-9.000	-999.	143.	25.6	0.15	0.34	1.00	1.60	108.	7.9	290.9	2.0
18	01	01	1	03	-12.4	0.149	-9.000	-9.000	-999.	139.	24.6	0.15	0.34	1.00	1.57	97.	7.9	290.9	2.0
18	01	01	1	04	-20.4	0.209	-9.000	-9.000	-999.	229.	48.1	0.15	0.34	1.00	2.15	118.	7.9	290.9	2.0
18	01	01	1	05	-21.9	0.224	-9.000	-9.000	-999.	254.	55.1	0.15	0.34	1.00	2.32	135.	7.9	290.9	2.0
18	01	01	1	06	-30.6	0.313	-9.000	-9.000	-999.	420.	107.7	0.15	0.34	1.00	3.20	141.	7.9	290.9	2.0
18	01	01	1	07	-28.8	0.294	-9.000	-9.000	-999.	383.	95.1	0.13	0.34	1.00	3.10	154.	7.9	290.4	2.0
18	01	01	1	08	-13.2	0.153	-9.000	-9.000	-999.	157.	25.8	0.13	0.34	0.70	1.67	158.	7.9	290.9	2.0
18	01	01	1	09	1.0	0.321	0.072	0.005	13.	436.	-2970.3	0.23	0.34	0.33	2.83	56.	7.9	290.4	2.0

```
18 01 01   1 10   8.3  0.435  0.210  0.007   41.  689.   -902.9  0.10   0.34   0.21    4.71   10.    7.9  288.1    2.0
18 01 01   1 11  13.9  0.519  0.290  0.005   64.  897.   -920.2  0.04   0.34   0.18    6.96  353.    7.9  285.4    2.0
18 01 01   1 12  17.6  0.492  0.343  0.006   84.  829.   -616.0  0.04   0.34   0.17    6.57  360.    7.9  284.9    2.0
18 01 01   1 13  18.9  0.497  0.374  0.006  101.  841.   -592.9  0.10   0.34   0.16    5.36   7.     7.9  284.2    2.0
18 01 01   1 14  17.8  0.497  0.389  0.006  120.  841.   -627.8  0.10   0.34   0.17    5.36   19.    7.9  284.2    2.0
18 01 01   1 15  14.1  0.528  0.375  0.005  136.  921.   -955.6  0.10   0.34   0.18    5.72   8.     7.9  282.5    2.0
18 01 01   1 16   8.1  0.553  0.319  0.005  146.  987.  -1896.6  0.10   0.34   0.21    6.01   8.     7.9  281.4    2.0
18 01 01   1 17  11.6  0.574  0.376  0.005  166. 1043.  -1487.1  0.10   0.34   0.31    6.23   9.     7.9  280.9    2.0
18 01 01   1 18 -55.9  0.586 -9.000 -9.000 -999. 1076.    377.7  0.10   0.34   0.63    6.43   9.     7.9  279.9    2.0
18 01 01   1 19 -60.8  0.595 -9.000 -9.000 -999. 1100.    389.0  0.10   0.34   1.00    6.53   16.    7.9  279.9    2.0
18 01 01   1 20 -64.0  0.624 -9.000 -9.000 -999. 1182.    428.7  0.10   0.34   1.00    6.86   13.    7.9  279.2    2.0
18 01 01   1 21 -63.2  0.614 -9.000 -9.000 -999. 1157.    415.3  0.10   0.34   1.00    6.74   18.    7.9  278.8    2.0
18 01 01   1 22 -64.0  0.675 -9.000 -9.000 -999. 1328.    500.9  0.10   0.34   1.00    7.38   20.    7.9  278.1    2.0
18 01 01   1 23 -61.4  0.595 -9.000 -9.000 -999. 1109.    388.9  0.10   0.34   1.00    6.53   17.    7.9  278.1    2.0
18 01 01   1 24 -62.4  0.605 -9.000 -9.000 -999. 1129.    402.6  0.10   0.34   1.00    6.64   14.    7.9  278.1    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 18 01 01 01    7.9 1  127.    1.30   291.5   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018            ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                    ***       15:10:23
                                                                                    PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE PERIOD (  8760 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL
***
                          INCLUDING SOURCE(S):     TANK       ,

                           *** NETWORK ID: POL1     ;  NETWORK TYPE: GRIDPOLR ***

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

  DIRECTION |                                    DISTANCE (METERS)
  (DEGREES) |      100.00      200.00      300.00      400.00      500.00      600.00      700.00      800.00      900.00
 ---------------------------------------------------------------------------------------------

      10.00 |   665.52474   213.59590   106.56734    64.65118    43.51292    31.76283    24.40754    19.28378    15.43985
      20.00 |   654.87730   204.41118    98.63908    58.05748    38.47703    27.32154    20.78880    16.31521    12.98465
      30.00 |   702.62281   216.30504   103.77705    61.22322    40.39278    29.14167    22.08454    17.30913
14.05188
      40.00 |   835.49883   259.00029   123.94939    73.02257    48.43040    34.53047    26.71817    20.93320
16.93018
      50.00 |   936.52754   290.57919   140.99604    84.37935    55.26656    39.74078    30.89194    24.35847
19.71659
      60.00 |   956.97576   298.42987   145.77891    87.32870    57.41103    41.92754    31.76762    25.00906    20.14972
      70.00 |   934.24342   291.60628   140.88381    83.12976    54.00074    37.07990    29.90896    23.31201
17.61228
      80.00 |   861.92955   269.59993   131.30390    77.04004    50.65815    36.46905    27.42215    21.21279
16.09930
      90.00 |   729.12133   235.72708   115.69190    69.27718    46.07699    32.98071    25.08989    19.29834    15.47877
     100.00 |   619.07158   207.59879   102.91918    62.33582    42.25855    29.99931    23.02466    17.47442
14.09220
     110.00 |   617.92576   215.48343   110.89317    69.52640    46.79246    33.82231    26.28433    19.56185
15.34396
     120.00 |   686.34192   259.73187   140.72330    89.66526    61.99594    45.95442    35.69478    28.15402
21.86918
     130.00 |   751.23634   292.40643   163.85893   106.07990    74.53573    55.57465    43.49520    34.80165
28.12265
```

140.00	748.33174	293.97575	164.11353	105.91147	74.74109	55.15762	43.65522	34.93173	28.58475
150.00	700.25226	277.76198	154.37519	98.28543	68.95228	51.72715	40.30937	32.36755	26.81843
160.00	665.42164	262.89149	146.88419	92.45661	63.79740	47.38017	36.64777	29.81508	25.01215
170.00	676.87259	270.16204	147.77473	95.94606	65.25368	48.28988	37.54589	30.15477	23.21296
180.00	697.96614	272.78943	148.71531	94.40506	66.18102	49.26532	38.59986	31.14270	25.68482
190.00	724.02566	273.73218	144.28336	89.42839	61.18270	44.64895	34.42055	27.52111	22.48084
200.00	799.75797	294.92595	152.55710	94.77755	63.65363	46.51207	35.27423	28.16785	23.04358
210.00	921.17136	337.99366	172.64624	106.79290	73.67659	53.82331	40.44788	32.86458	26.91748
220.00	1063.30506	387.75029	199.93445	123.93408	85.65808	63.28587	43.63194	37.30639	31.95739
230.00	1184.02830	431.92476	228.46602	142.81518	99.08052	73.13153	56.89643	45.60781	37.48428
240.00	1243.35888	455.92568	240.85976	151.65207	105.17815	77.71189	60.69836	48.77983	40.21551
250.00	1199.52083	424.37504	222.84290	139.34528	94.95503	70.49329	54.43777	43.64862	35.76895
260.00	1077.95215	362.30706	185.68500	112.03066	76.42422	55.53841	42.40612	33.71473	27.29295
270.00	956.46811	314.57859	158.33100	96.06148	65.29585	46.64141	35.93993	28.31168	23.22155
280.00	889.03342	298.84108	152.28478	96.05361	65.37171	48.04186	36.99814	29.60494	24.35628
290.00	868.89400	294.46338	153.76426	96.68439	66.39035	49.34256	38.23799	30.60581	25.19751
300.00	834.99785	285.55359	145.47180	90.24325	61.72983	45.23150	34.84890	27.73096	22.55391
310.00	787.56337	261.99891	135.67737	83.06844	56.93689	41.68668	31.72591	25.13204	20.44422
320.00	752.40991	247.53229	125.71539	77.61599	53.49684	39.05550	29.90409	23.74327	19.39225
330.00	680.37240	222.45240	111.09116	68.04630	46.42627	33.82722	25.83742	20.16837	16.28249
340.00	590.05492	188.05938	93.68685	56.45208	38.71643	27.92380	21.31109	16.43758	13.22525
350.00	539.33540	172.66971	85.52595	51.73917	35.21587	25.41740	19.23735	14.98480	11.96940
360.00	602.54050	195.47429	98.75492	59.84642	40.75391	29.85665	22.71700	17.73039	14.23945

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00

10.00	12.70869	10.73473	9.20261	8.02734	7.04202	6.22772	5.58966	5.05270	4.58224
20.00	10.48529	8.66468	7.36718	6.37169	5.55125	4.90192	4.37947	3.96915	3.56901
30.00	11.54327	9.71223	8.31238	7.16503	6.27555	5.56389	4.96250	4.44448	4.02824
40.00	13.90343	11.90318	10.13196	8.76022	7.64027	6.73895	6.00164	5.38070	4.83744
50.00	16.22543	13.37886	11.39629	9.86505	8.59266	7.58572	6.80511	6.08456	5.51672
60.00	16.33152	13.69655	11.79087	10.14831	8.88829	7.83063	6.99871	6.26727	5.71726
70.00	14.80756	12.41156	10.61574	9.18425	8.03494	7.09552	6.24552	5.65825	5.10473
80.00	13.01998	10.67840	9.01961	7.80970	6.86130	6.06307	5.38286	4.80805	4.37626
90.00	12.70759	10.62441	9.07485	7.84796	6.88024	6.09500	5.44608	4.87500	4.43449
100.00	11.55040	9.70089	8.26811	7.04512	6.15208	5.41716	4.81121	4.32189	3.91015
110.00	12.84115	11.15227	9.52869	8.15365	7.15275	6.26934	5.51868	4.98739	4.51664
120.00	18.77528	15.87897	14.15764	12.25697	10.75951	9.66663	8.64687	7.80676	7.07757
130.00	23.65729	20.35573	17.81157	15.66876	13.87987	12.37903	11.13352	10.07714	9.16721
140.00	23.72048	20.22256	17.45183	15.27446	13.48127	11.96749	10.73113	9.67026	8.79051
150.00	22.45157	18.68933	16.21495	14.21216	12.50953	11.04054	9.84434	9.01405	8.17188
160.00	20.70450	17.96421	15.46468	13.16139	11.50670	10.33585	9.38643	8.38630	7.60538
170.00	21.08851	17.73654	15.78542	13.73827	11.95059	10.48641	9.45870	8.50594	7.67886
180.00	21.71202	18.54626	16.13854	14.17873	12.53009	11.24089	10.13032	9.17774	8.38639
190.00	18.84380	15.97212	13.73871	12.11428	10.63158	9.73207	8.70871	7.84904	7.11220
200.00	19.27730	16.35115	14.09948	12.14597	10.53619	8.63906	8.16548	8.00195	7.24190
210.00	22.62440	19.22689	16.60252	14.49413	12.79462	11.24976	10.27527	9.26879	8.42812
220.00	26.79005	22.86289	19.74866	17.26990	15.24122	13.63003	12.13076	10.93866	9.95485
230.00	31.52298	26.90215	23.31398	20.38709	18.06801	16.05718	14.48702	13.14271	11.95687
240.00	33.85923	28.95151	25.10364	22.04013	19.54458	17.42634	15.71090	14.22756	12.87678
250.00	30.20509	25.79702	22.35366	19.57411	17.34784	15.49977	13.92525	12.61366	11.48264
260.00	22.80951	19.37505	16.66733	14.57233	12.87578	11.46668	10.27648	9.31693	8.48427
270.00	19.53836	16.49194	14.21584	12.34029	10.85477	9.62035	8.58423	7.76756	7.07251
280.00	20.37765	17.42247	14.95125	12.97951	11.40513	10.09346	9.12734	8.30901	7.55131
290.00	21.18611	18.06338	15.69722	13.78359	12.20569	10.90949	9.82851	8.93754	8.16069
300.00	18.76249	15.78705	13.70607	11.94689	10.54445	9.31233	8.40894	7.59933	6.90731
310.00	17.14692	14.52177	12.44419	10.73950	9.46419	8.54626	7.62848	6.90621	6.27110
320.00	16.34760	13.93964	11.95896	10.44787	9.24296	8.23693	7.46318	6.77537	6.13871
330.00	13.55787	11.34821	9.90449	8.65663	7.59171	6.76468	6.08311	5.45817	5.03670
340.00	11.01684	9.33012	8.06338	7.03493	6.20282	5.47617	4.95503	4.47609	4.11516
350.00	9.90357	8.37965	7.17676	6.24655	5.50033	4.86513	4.30993	3.89035	3.52338
360.00	11.84237	10.11362	8.68705	7.51589	6.61775	5.84316	5.22857	4.70362	4.26350

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	4.19746	3.86766
20.00	3.22061	2.92841
30.00	3.66874	3.36379
40.00	4.39086	4.00440
50.00	5.03386	4.60201
60.00	5.21138	4.75615
70.00	4.64500	4.23449
80.00	3.88466	3.51177

90.00	4.00327	3.65701
100.00	3.57161	3.25314
110.00	4.12445	3.76099
120.00	6.47354	5.93033
130.00	8.37221	7.70636
140.00	8.00391	7.35503
150.00	7.46334	6.81231
160.00	6.92629	6.35982
170.00	6.97989	6.37116
180.00	7.68832	7.08691
190.00	6.34241	5.78978
200.00	6.34714	5.76278
210.00	7.65261	7.00243
220.00	9.10297	8.46099
230.00	10.91975	10.06392
240.00	11.74755	10.92185
250.00	10.52648	9.69094
260.00	7.77623	7.09764
270.00	6.45096	5.91407
280.00	6.89123	6.31305
290.00	7.47594	6.88301
300.00	6.30821	5.75947
310.00	5.76565	5.29071
320.00	5.64926	5.19673
330.00	4.62403	4.22090
340.00	3.74984	3.44457
350.00	3.21813	2.94669
360.00	3.90340	3.58679

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 19
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TANK :	375.70	118.90	96.75124	TANK :	498.87	129.50	74.11969
TANK :	81.43	359.00	797.51603	TANK :	116.79	44.50	694.02077
TANK :	109.20	67.00	823.37136	TANK :	100.70	93.73	673.47176
TANK :	87.91	103.99	714.93686	TANK :	99.82	123.38	711.88622
TANK :	138.00	141.00	497.80994	TANK :	106.00	180.00	650.71935
TANK :	115.60	206.00	717.52894	TANK :	54.00	270.00	2223.43797
TANK :	97.00	326.00	745.23335	TANK :	133.94	242.10	818.82986
TANK :	101.99	301.65	802.74886	TANK :	236.54	274.95	231.19013

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 20
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	37535.46695 (18020621)	17235.07753 (18020621)	10621.87167 (18020621)	7395.35579 (18020621)	5540.78769 (18020621)
20.0	37434.15544 (18112521)	15433.39176 (18112521)	9376.24505 (18011119)	6571.26351 (18011119)	4943.25760 (18011119)
30.0	47083.41194 (18112521)	20604.47799 (18112521)	12292.32440 (18112521)	8410.52164 (18112521)	6247.29841 (18112521)
40.0	38552.69342 (18011120)	16451.07224 (18020519)	10082.30077 (18020519)	7014.32971 (18020519)	5261.09302 (18020519)
50.0	46682.86524 (18022421)	20620.66289 (18011120)	12316.01859 (18011120)	8369.56083 (18011120)	6286.95447 (18011120)
60.0	42894.96822 (18022421)	18165.29239 (18022421)	10657.91458 (18123018)	7278.94052 (18123018)	5436.34142 (18123018)
70.0	34036.71148 (18122918)	15405.87001 (18112318)	9273.47717 (18112318)	6333.68381 (18112318)	4730.65679 (18112318)
80.0	40829.46034 (18112507)	17186.04424 (18112507)	9886.75242 (18112507)	6513.03305 (18112507)	4646.42172 (18112507)
90.0	43316.16200 (18112520)	18299.79727 (18112520)	10496.37548 (18112520)	6905.63441 (18112520)	5034.11162 (18112507)
100.0	43417.24526 (18041906)	19085.73648 (18041906)	11249.07446 (18041906)	7544.76200 (18041906)	5389.85827 (18041906)
110.0	36374.18917 (18123020)	16712.07926 (18123020)	10013.26022 (18123020)	6691.62974 (18123020)	4955.53609 (18123020)
120.0	39146.71800 (18123021)	18045.63462 (18123021)	10748.93396 (18123021)	7228.22121 (18123021)	5367.69789 (18123021)
130.0	42748.51281 (18070320)	17888.78817 (18070320)	10125.32655 (18070320)	6584.77776 (18070320)	4789.62656 (18070320)
140.0	41505.94578 (18102921)	17517.25968 (18070320)	10229.64816 (18070320)	6845.61982 (18070320)	4961.12125 (18070320)
150.0	41345.26936 (18042007)	18213.14616 (18102921)	10738.89204 (18102921)	7324.38009 (18102921)	5380.96847 (18102921)
160.0	50678.29298 (18042007)	22408.81728 (18042007)	13068.52945 (18042007)	8966.97517 (18042007)	6715.15521 (18042007)
170.0	46597.96291 (18091406)	19565.79786 (18062706)	11639.52144 (18062706)	7786.26661 (18062706)	5970.16232 (18062706)
180.0	46578.96631 (18091406)	19852.02864 (18091406)	11522.82325 (18091406)	7827.87745 (18091406)	5790.03093 (18091406)
190.0	32187.05694 (18031607)	13046.78073 (18121806)	7620.79826 (18121806)	5123.87599 (18121806)	3786.00422 (18121806)
200.0	40536.81112 (18031607)	16752.88678 (18031607)	9686.45604 (18031607)	6436.33376 (18031607)	4859.94979 (18031607)
210.0	36708.58750 (18031607)	14913.03064 (18031607)	8729.72184 (18091306)	5952.58575 (18091306)	4352.68137 (18091306)
220.0	32289.74127 (18071406)	12811.20035 (18040406)	7506.43206 (18040406)	5095.39316 (18040406)	3674.95214 (18040406)
230.0	31646.24429 (18010919)	13459.69084 (18010919)	7842.97079 (18010919)	5379.44970 (18010919)	3952.91308 (18010919)
240.0	36320.60841 (18122407)	15401.05101 (18122407)	9056.22294 (18122407)	6157.48304 (18122407)	4585.91204 (18122407)
250.0	32211.73330 (18041806)	14280.50993 (18041806)	8502.61956 (18041806)	5809.02514 (18041806)	4421.49182 (18041806)
260.0	37295.73909 (18121608)	16072.82226 (18121608)	9473.91814 (18121608)	6544.05998 (18121608)	4829.09056 (18121608)
270.0	37645.93623 (18122406)	15530.33851 (18040207)	9090.10792 (18040207)	6112.94799 (18040207)	

4497.28397 (18012821)
280.0 | 38401.12908 (18121606) 16759.00158 (18121606) 10038.19008 (18121606) 6774.79391 (18121606)
5061.20094 (18121606)
290.0 | 35787.98596 (18061706) 15912.42782 (18042806) 9578.57797 (18042806) 6546.19795 (18042806)
4895.73079 (18042806)
300.0 | 38901.19272 (18121607) 16893.65362 (18121607) 10034.08703 (18121607) 6812.11983 (18121607)
5033.30265 (18121607)
310.0 | 39747.73731 (18071320) 16559.19217 (18071320) 9453.30448 (18071320) 6327.96779 (18071320)
4509.98858 (18071320)
320.0 | 34395.53454 (18081906) 14626.84531 (18052421) 8816.62193 (18052421) 6061.88826 (18052421)
4467.94834 (18052421)
330.0 | 37460.15259 (18110521) 16468.85644 (18110521) 9828.55501 (18110521) 6719.58128 (18110521)
4962.35697 (18110521)
340.0 | 35845.16969 (18020619) 16080.39903 (18020619) 9676.09782 (18020619) 6671.45002 (18020619)
4875.29290 (18020619)
350.0 | 36980.15169 (18112506) 16076.39628 (18112506) 9505.78071 (18112506) 6425.25993 (18112506)
4670.54899 (18112506)
360.0 | 38913.18516 (18112506) 16097.23419 (18112506) 9253.02994 (18112506) 6152.80364 (18112506)
4490.08009 (18112506)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 21
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 600.00 700.00 800.00 900.00 1000.00

10.0 | 4329.79627 (18020621) 3464.33691 (18020621) 2869.22446 (18020621) 2501.42146 (18020621)
2188.27465 (18020621)
20.0 | 3899.71154 (18011119) 3145.53436 (18011119) 2599.53030 (18011119) 2237.09809 (18011119) 1972.50405
(18011119)
30.0 | 4833.16713 (18112521) 3886.33259 (18112521) 3224.02546 (18112521) 2687.14043 (18112521) 2338.62148
(18112521)
40.0 | 4153.66221 (18020519) 3318.53319 (18112421) 2749.57315 (18112421) 2317.33990 (18112421) 2020.08637
(18112421)
50.0 | 4911.75298 (18011120) 3761.68115 (18011120) 3039.47867 (18011120) 2465.99023 (18011120) 2134.14533
(18011120)
60.0 | 4139.64737 (18123018) 3295.00217 (18123018) 2617.21699 (18123018) 2220.85344 (18123018)
2049.67419 (18123018)
70.0 | 3761.71350 (18112318) 2763.84516 (18112318) 2247.03486 (18112318) 2170.08271 (18112318) 1843.56161
(18112318)
80.0 | 3439.52032 (18112507) 2653.77330 (18112507) 2207.15736 (18112507) 1950.39875 (18112507) 1654.48874
(18112507)
90.0 | 3869.71332 (18112507) 2951.12823 (18112507) 2563.84133 (18112507) 2212.77966 (18112507) 1956.86957
(18112507)
100.0 | 4261.56717 (18041906) 3227.51600 (18041906) 2958.90777 (18041906) 2507.54682 (18041906)
2209.95913 (18041906)
110.0 | 3871.76085 (18123020) 2954.33168 (18123020) 2749.59965 (18123020) 2444.85726 (18123020)
2103.66677 (18123020)
120.0 | 4127.04685 (18123021) 3190.09870 (18123021) 2856.49295 (18123021) 2675.38452 (18123021)
2265.74237 (18123021)
130.0 | 3646.31121 (18112621) 2805.88117 (18112621) 2417.50830 (18112621) 2240.91648 (18112621) 1952.65256

(18112621)
140.0 | 3893.99120 (18070320) 2837.24407 (18070320) 2271.18760 (18070320) 1931.28469 (18070320) 1825.47845 (18070320)
150.0 | 4111.05219 (18102921) 3264.52263 (18102921) 2665.76682 (18102921) 2092.88010 (18110419) 1812.65839 (18110419)
160.0 | 5240.80726 (18042007) 4261.43350 (18042007) 3432.52185 (18042007) 2706.74052 (18042007) 2413.59669 (18042007)
170.0 | 4677.54490 (18062706) 3785.08563 (18062706) 3138.87564 (18062706) 2944.33252 (18062706) 2179.68266 (18062706)
180.0 | 4546.26441 (18091406) 3659.54371 (18091406) 3004.60515 (18091406) 2538.38183 (18091406) 2135.04456 (18091406)
190.0 | 2952.54189 (18121806) 2379.60407 (18080520) 1967.11024 (18080520) 1679.40847 (18080520) 1439.39103 (18080520)
200.0 | 3806.36095 (18031607) 3094.50219 (18031607) 2526.83962 (18031607) 2105.79389 (18031607) 1785.55480 (18031607)
210.0 | 3414.36738 (18091306) 2903.80154 (18091306) 2288.39391 (18091306) 1943.53388 (18091306) 1615.98721 (18091306)
220.0 | 2785.05135 (18040406) 2578.42944 (18040406) 2088.84319 (18040406) 1604.03743 (18040406) 1365.58843 (18040406)
230.0 | 3150.41808 (18010919) 2474.47638 (18010919) 2031.59712 (18010919) 1711.97344 (18010919) 1477.95557 (18010919)
240.0 | 3670.09244 (18122407) 2887.38978 (18122407) 2388.65866 (18122407) 2017.63824 (18122407) 1732.54503 (18122407)
250.0 | 3426.82917 (18041806) 2805.20947 (18041806) 2338.88618 (18041806) 2004.68774 (18041806) 1679.74145 (18041806)
260.0 | 3782.54075 (18121608) 3068.81703 (18121608) 2556.93628 (18121608) 2195.56478 (18121608) 1890.45903 (18121608)
270.0 | 3580.17428 (18012821) 2869.47077 (18012821) 2396.14786 (18012821) 2007.54713 (18012821) 1687.50096 (18012821)
280.0 | 3947.67311 (18121606) 3206.63744 (18121606) 2637.65032 (18121606) 2200.94573 (18121606) 1905.74351 (18121606)
290.0 | 3787.55177 (18042806) 3064.48465 (18042806) 2540.72366 (18042806) 2155.43921 (18042806) 1868.34074 (18042806)
300.0 | 3921.89365 (18121607) 3144.25125 (18121607) 2604.29669 (18121607) 2228.46832 (18121607) 1944.54461 (18121607)
310.0 | 3485.89186 (18081906) 2850.43039 (18081906) 2390.49011 (18081906) 2058.61231 (18081906) 1755.12917 (18081906)
320.0 | 3507.51345 (18052421) 2872.60664 (18052421) 2429.02484 (18052421) 2089.20971 (18052421) 1776.79945 (18052421)
330.0 | 3869.75378 (18110521) 3136.62130 (18110521) 2678.39787 (18110521) 2304.36287 (18110521) 1997.38309 (18110521)
340.0 | 3831.27208 (18020619) 3086.19347 (18020619) 2676.87627 (18020619) 2334.01941 (18020619) 2026.86118 (18020619)
350.0 | 3618.60597 (18112506) 2942.35221 (18112506) 2464.00224 (18112506) 2089.84660 (18112506) 1814.31428 (18112506)
360.0 | 3382.13917 (18112506) 2711.60217 (18052120) 2299.70846 (18052120) 1982.27107 (18052120) 1725.51216 (18052120)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)

(DEGREES)	1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1922.77891 (18020621)	1719.54686 (18020621)	1535.33248 (18020621)	1397.71494 (18020621)	1277.39129 (18020621)
20.0	1761.58700 (18011119)	1572.00651 (18011119)	1403.96702 (18011119)	1267.56090 (18011119)	1150.11369 (18011119)
30.0	2043.29009 (18112521)	1799.86299 (18112521)	1630.78649 (18112521)	1471.50708 (18112521)	1313.15554 (18112521)
40.0	1633.31984 (18112421)	1449.91013 (18112421)	1299.41904 (18112421)	1174.04290 (18112421)	1068.21751 (18112421)
50.0	2059.43145 (18011120)	1838.04049 (18011120)	1644.20612 (18011120)	1518.28497 (18011120)	1400.11312 (18011120)
60.0	1828.58818 (18123018)	1584.60641 (18123018)	1453.69113 (18123018)	1306.05935 (18123018)	1193.38866 (18122918)
70.0	1606.48820 (18110518)	1420.86831 (18110518)	1269.41832 (18110518)	1146.44623 (18110518)	1042.37482 (18110518)
80.0	1415.91624 (18112507)	1214.55284 (18112507)	1078.85490 (18112507)	955.31777 (18112507)	862.65822 (18112507)
90.0	1690.42295 (18112507)	1471.42678 (18112507)	1330.88986 (18112507)	1213.07560 (18112507)	1093.74531 (18112507)
100.0	1926.32185 (18041906)	1710.68635 (18041906)	1620.14165 (18041906)	1471.46998 (18041906)	1354.38766 (18041906)
110.0	1741.14600 (18123020)	1557.20111 (18123020)	1427.51363 (18123020)	1290.76353 (18123020)	1197.80329 (18123020)
120.0	2024.76932 (18123021)	1649.90051 (18123021)	1545.27636 (18123021)	1417.78915 (18123021)	1244.80424 (18123021)
130.0	1704.09297 (18112621)	1467.41014 (18112621)	1281.38318 (18112621)	1142.44899 (18112621)	1036.88400 (18112621)
140.0	1586.86807 (18070320)	1411.96599 (18070320)	1257.15223 (18070320)	1147.60294 (18070320)	1065.76241 (18070320)
150.0	1788.79890 (18110419)	1564.94985 (18110419)	1395.46819 (18110419)	1261.53524 (18110419)	1219.62709 (18110419)
160.0	1956.25086 (18042007)	1735.27199 (18042007)	1760.06364 (18042007)	1655.67705 (18042007)	1452.22534 (18042007)
170.0	1991.47855 (18062706)	1559.24709 (18062706)	1397.84830 (18062706)	1341.65159 (18062706)	1289.58515 (18062706)
180.0	1890.82567 (18091406)	1612.49885 (18091406)	1336.41742 (18091406)	1207.73924 (18091406)	1165.60637 (18091406)
190.0	1271.72677 (18080520)	1133.77374 (18080520)	974.26558 (18080520)	901.37556 (18080520)	710.01189 (18080520)
200.0	1566.20436 (18031607)	1371.71029 (18031607)	1259.02998 (18031607)	1182.57106 (18031607)	1203.51680 (18031607)
210.0	1414.13125 (18091306)	1237.22228 (18091306)	1117.83752 (18091306)	998.68765 (18091306)	1014.07628 (18091306)
220.0	1156.15694 (18040406)	991.10116 (18040406)	875.69939 (18040406)	791.41160 (18040406)	712.27560 (18040406)
230.0	1295.14803 (18010919)	1135.87756 (18010919)	972.52817 (18010919)	880.53006 (18010919)	764.10295 (18010919)
240.0	1517.04417 (18122407)	1322.40585 (18122407)	1204.49859 (18122407)	1078.56182 (18122407)	931.86342 (18122407)
250.0	1464.28415 (18041806)	1279.80287 (18041806)	1144.48118 (18041806)	1028.74845 (18041806)	922.92781 (18041806)
260.0	1653.02530 (18121608)	1461.16464 (18121608)	1300.02931 (18121608)	1159.24041 (18121608)	1043.37773 (18121608)
270.0	1483.20097 (18021606)	1306.77041 (18021606)	1177.00121 (18021606)	1068.61647 (18021606)	971.97487 (18021606)
280.0	1631.71733 (18121606)	1500.40951 (18121606)	1388.72562 (18121606)	1278.93707 (18121606)	1201.68181 (18121606)
290.0	1690.05805 (18042806)	1505.36292 (18042806)	1376.03186 (18042806)	1247.07542 (18042806)	1138.00271 (18042806)
300.0	1746.72099 (18121607)	1523.09859 (18121607)	1359.94523 (18121607)	1232.42144 (18121607)	

1160.73841 (18121607)
310.0 | 1540.76251 (18081906) 1390.40388 (18051106) 1283.44038 (18051106) 1172.75106 (18051106)
1008.13970 (18051106)
320.0 | 1554.14584 (18052421) 1429.86178 (18052421) 1294.35346 (18052421) 1179.50037 (18052421)
1080.93122 (18052421)
330.0 | 1802.22605 (18110521) 1572.58220 (18110521) 1399.92827 (18110521) 1283.77937 (18110521)
1169.60422 (18110521)
340.0 | 1796.71071 (18020619) 1583.79784 (18020619) 1414.71364 (18020619) 1290.61311 (18020619)
1202.03642 (18020619)
350.0 | 1588.91994 (18112506) 1422.56376 (18112506) 1269.14306 (18112506) 1142.78857 (18112506)
1024.38418 (18112506)
360.0 | 1503.73355 (18052120) 1343.06053 (18052120) 1215.57212 (18052120) 1101.97050 (18052120)
1013.63476 (18052120)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 1600.00 1700.00 1800.00 1900.00 2000.00

10.0 | 1172.67614 (18020621) 1075.63495 (18020621) 992.49458 (18020621) 905.04399 (18020621) 823.40595
(18020621)
20.0 | 1042.04156 (18011119) 932.94726 (18011119) 863.12511 (18011119) 809.90983 (18011119) 761.25772
(18011119)
30.0 | 1187.09715 (18112521) 1087.06482 (18112521) 997.64216 (18112521) 916.01790 (18112521) 853.48700
(18112521)
40.0 | 977.87759 (18112421) 899.98969 (18112421) 832.24820 (18112421) 772.87205 (18112421) 720.46534
(18112421)
50.0 | 1257.70884 (18011120) 1173.46562 (18011120) 1071.26704 (18011120) 986.09167 (18011120) 932.18744
(18011120)
60.0 | 1086.28990 (18122918) 1007.18729 (18123018) 905.69938 (18123018) 836.60996 (18123018) 788.01194
(18123018)
70.0 | 986.37607 (18110518) 882.65223 (18110518) 819.62226 (18110518) 757.56708 (18110518) 720.27628
(18110518)
80.0 | 786.77499 (18112507) 718.04062 (18112507) 641.08195 (18112507) 583.75678 (18040419) 548.06675
(18040419)
90.0 | 988.89351 (18112507) 912.61951 (18112507) 799.29663 (18112507) 768.38072 (18112507) 698.56661
(18112507)
100.0 | 1248.25946 (18041906) 1142.55805 (18041906) 1061.51526 (18041906) 959.98617 (18041906) 907.80951
(18041906)
110.0 | 1125.52606 (18123020) 1025.24232 (18123020) 942.91884 (18123020) 863.20547 (18123020) 801.48802
(18123020)
120.0 | 1153.05448 (18123021) 1071.22515 (18123021) 1010.46136 (18123021) 932.97218 (18123021) 870.14528
(18123021)
130.0 | 960.57310 (18112621) 901.91425 (18112621) 844.98547 (18112621) 805.81119 (18112621) 739.72218
(18112621)
140.0 | 968.05957 (18070320) 867.51089 (18070320) 801.79018 (18070320) 756.51193 (18070320) 698.08775
(18070320)
150.0 | 1152.51159 (18110419) 996.62399 (18110419) 932.27724 (18110419) 871.82608 (18110419) 825.27619
(18110419)
160.0 | 1233.52350 (18042007) 1206.49418 (18042007) 1126.18942 (18042007) 1068.52536 (18042007)

988.80045 (18042007)
170.0 | 1144.55350 (18062706) 1072.78932 (18062706) 1009.09594 (18062706) 946.17509 (18062706) 894.66371 (18062706)
180.0 | 1086.58673 (18091406) 982.56312 (18091406) 918.79063 (18091406) 856.45285 (18091406) 814.60231 (18091406)
190.0 | 649.52711 (18080520) 597.37016 (18080520) 552.00168 (18080520) 581.84941 (18080520) 547.29560 (18080520)
200.0 | 999.29965 (18031607) 736.93498 (18031607) 681.59718 (18031607) 715.75312 (18031607) 672.77494 (18031607)
210.0 | 744.86315 (18091306) 685.65420 (18091306) 634.14738 (18091306) 660.94480 (18091306) 625.75052 (18091306)
220.0 | 742.51994 (18010920) 535.87288 (18040406) 495.61097 (18040406) 460.32423 (18040406) 448.65390 (18040406)
230.0 | 706.73786 (18010919) 662.16943 (18010919) 603.82503 (18010919) 534.13277 (18010919) 512.72556 (18010919)
240.0 | 853.28238 (18122407) 772.22942 (18122407) 661.77984 (18122407) 589.52496 (18122407) 592.88790 (18122407)
250.0 | 842.68003 (18041806) 761.85163 (18041806) 713.32654 (18041806) 629.04473 (18041806) 558.37045 (18041806)
260.0 | 952.79510 (18121608) 851.50659 (18121608) 770.65002 (18121608) 695.19326 (18121608) 658.91577 (18121608)
270.0 | 891.83640 (18021606) 810.33801 (18021606) 737.36414 (18021606) 688.79340 (18021606) 645.83371 (18021606)
280.0 | 1077.64045 (18121606) 967.07120 (18121606) 890.53747 (18121606) 833.17107 (18121606) 789.14156 (18121606)
290.0 | 1050.85789 (18042806) 971.68101 (18042806) 902.66301 (18042806) 851.46427 (18042806) 791.36651 (18042806)
300.0 | 1034.73151 (18121607) 948.48073 (18121607) 873.37110 (18121607) 813.28724 (18121607) 781.65270 (18121607)
310.0 | 950.56889 (18051106) 866.96446 (18051106) 805.40943 (18051106) 725.54011 (18051106) 676.57198 (18051106)
320.0 | 962.92500 (18052421) 871.93949 (18052421) 840.97352 (18052421) 743.49745 (18052421) 690.41871 (18052421)
330.0 | 1068.25493 (18110521) 989.68516 (18110521) 882.39966 (18110521) 787.87906 (18110521) 751.85205 (18110521)
340.0 | 1071.95957 (18020619) 992.58689 (18020619) 867.21224 (18020619) 805.61252 (18020619) 761.66991 (18020619)
350.0 | 915.74832 (18112506) 838.63825 (18112506) 778.87605 (18112506) 722.34113 (18112506) 677.48711 (18112506)
360.0 | 932.50962 (18052120) 861.55754 (18052120) 798.91451 (18052120) 738.53597 (18052120) 686.21629 (18052120)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	7809.87295	(18123021)	TANK	498.87	129.50	4672.63411	(18112621)
TANK	81.43	359.00	50031.70760	(18112506)	TANK	116.79	44.50	38053.44136	(18011120)
TANK	109.20	67.00	34491.29789	(18122918)	TANK	100.70	93.73	43944.13270	(18112520)

TANK : 87.91 103.99 45577.04800 (18041906) TANK : 99.82 123.38 36836.00857 (18123021)
TANK : 138.00 141.00 29021.65667 (18102921) TANK : 106.00 180.00 43628.59822 (18091406)
TANK : 115.60 206.00 33453.87214 (18031607) TANK : 54.00 270.00 77177.77372 (18122406)
TANK : 97.00 326.00 37177.73302 (18110521) TANK : 133.94 242.10 25631.41114 (18122407)
TANK : 101.99 301.65 38078.51654 (18071320) TANK : 236.54 274.95 12616.71915 (18121606)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	32759.38527 (18110520)	15084.30296 (18110520)	9275.58276 (18110520)	6447.85762 (18110520)	4787.53273 (18110520)
20.0	34035.40586 (18020621)	15062.24937 (18011119)	8782.11715 (18110520)	5918.40248 (18110520)	4324.81047 (18110520)
30.0	42006.28206 (18122919)	18955.27183 (18122919)	11507.67862 (18122919)	7963.36848 (18122919)	5963.57273 (18122919)
40.0	37004.14149 (18122920)	16087.17790 (18112421)	9946.25637 (18112421)	6967.18815 (18112421)	5249.95128 (18112421)
50.0	46482.30986 (18011120)	20147.36872 (18022421)	11817.44968 (18022421)	7979.94758 (18033021)	5978.13914 (18033021)
60.0	39967.85991 (18122918)	17806.77072 (18122918)	10612.69479 (18122918)	7179.52848 (18122918)	5339.79068 (18122918)
70.0	33653.78030 (18112318)	14736.60372 (18122918)	8678.25334 (18110518)	6010.50241 (18110518)	4529.35232 (18110518)
80.0	28387.51492 (18112520)	12572.57691 (18112318)	7507.51241 (18112318)	5000.02916 (18112318)	3650.49025 (18112318)
90.0	39438.33822 (18112507)	17526.97997 (18112507)	10281.64964 (18112507)	6851.24123 (18112507)	4996.54986 (18112520)
100.0	39496.80164 (18110418)	17800.83401 (18110418)	10590.59487 (18110418)	7147.45618 (18110418)	5137.21456 (18110418)
110.0	32353.80068 (18123021)	13632.63193 (18091507)	8261.11317 (18042606)	5626.06583 (18042606)	4180.12515 (18042606)
120.0	29571.62647 (18101120)	13960.81044 (18091506)	8496.38517 (18091506)	5781.91369 (18091506)	4300.18197 (18091506)
130.0	31808.17569 (18112621)	15137.26073 (18112621)	9230.41887 (18112621)	6293.85080 (18112621)	4680.49226 (18112621)
140.0	39732.75350 (18070320)	17271.67431 (18102921)	9737.50467 (18102921)	6322.86897 (18102921)	4507.71818 (18102921)
150.0	40483.36532 (18102921)	16702.20496 (18110419)	10196.14504 (18110419)	7056.76154 (18110419)	5240.70480 (18110419)
160.0	39497.06352 (18090721)	17775.36238 (18080720)	10598.41388 (18080720)	7295.06873 (18080720)	5455.61478 (18080720)
170.0	44555.39557 (18060620)	19317.74215 (18060620)	11314.23419 (18060620)	7484.33931 (18060620)	5738.82526 (18060620)
180.0	36824.62421 (18040407)	16108.39562 (18040407)	9444.91399 (18040407)	6460.42944 (18040407)	4791.87716 (18040407)
190.0	30381.45306 (18040407)	13003.14780 (18040407)	7432.15751 (18040407)	4982.04458 (18080520)	3729.51628 (18080520)
200.0	33269.34453 (18071406)	12886.51535 (18091306)	7427.92576 (18070906)	5010.79212 (18070906)	

3773.42003 (18070906)
210.0 | 36180.46632 (18071406) 14630.71462 (18091306) 8523.96534 (18031607) 5645.50248 (18071406)
4087.32937 (18071406)
220.0 | 31082.48549 (18040406) 12314.73698 (18071406) 6917.11358 (18071406) 4711.81086 (18010920)
3469.60509 (18010920)
230.0 | 31079.53611 (18120820) 13030.42116 (18040406) 7537.80108 (18040406) 5112.15068 (18040406)
3696.08892 (18081907)
240.0 | 34848.59145 (18120820) 14587.56625 (18120820) 8551.42444 (18120820) 5804.57825 (18120820)
4320.40489 (18120820)
250.0 | 32095.95363 (18091906) 14111.64396 (18091906) 8366.30955 (18091906) 5704.52156 (18091906)
4340.97099 (18091906)
260.0 | 36923.79132 (18122406) 15340.98618 (18122406) 8945.09199 (18020806) 6188.45848 (18020806)
4578.22964 (18020806)
270.0 | 36442.21976 (18040207) 15372.57583 (18122406) 8832.84863 (18012821) 6069.10689 (18012821)
4459.79028 (18040207)
280.0 | 33646.21774 (18091907) 15031.43573 (18091907) 9080.62194 (18091907) 6188.66792 (18091907)
4631.01849 (18091907)
290.0 | 35713.98357 (18042806) 15831.91199 (18061706) 9496.44463 (18061706) 6477.19771 (18061706)
4843.02400 (18061706)
300.0 | 37752.37840 (18071320) 16260.41269 (18071320) 9582.57856 (18071320) 6454.12763 (18071320)
4721.01397 (18071320)
310.0 | 33230.36995 (18081906) 14915.77283 (18081906) 8930.10145 (18081906) 6113.23666 (18081906)
4493.35057 (18081906)
320.0 | 32795.24363 (18031021) 14381.20019 (18081906) 8486.66057 (18071506) 5783.86838 (18071506)
4244.97957 (18071506)
330.0 | 31522.32051 (18071221) 14079.43830 (18071221) 8423.15545 (18071221) 5749.75675 (18071221)
4243.73603 (18071221)
340.0 | 31959.51375 (18120819) 14145.36595 (18120819) 8420.07125 (18120819) 5706.59142 (18120819)
4144.83721 (18120819)
350.0 | 35599.29473 (18011121) 15648.51817 (18011121) 9293.02333 (18011121) 6296.65427 (18011121)
4592.16892 (18011121)
360.0 | 37548.33500 (18011121) 15665.12389 (18011121) 9045.96616 (18011121) 6026.35635 (18011121)
4399.37805 (18011121)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	3717.23399 (18110520)	2966.59523 (18110520)	2459.50826 (18110520)	2139.02417 (18110520)	1864.51801 (18082207)
20.0	3415.68736 (18111221)	2776.94899 (18111221)	2306.74167 (18111221)	1981.84083 (18111221)	1733.24473 (18111221)
30.0	4647.25377 (18122919)	3749.04956 (18122919)	3113.32114 (18122919)	2601.12387 (18122919)	2263.14349 (18122919)
40.0	4152.96505 (18112421)	3309.78398 (18020519)	2740.26266 (18020519)	2307.60226 (18020519)	2009.87725 (18020519)
50.0	4663.34378 (18033021)	3571.44281 (18033021)	2885.12204 (18033021)	2341.40862 (18033021)	2026.11760 (18033021)
60.0	4016.79447 (18122918)	3184.28037 (18122918)	2505.27234 (18122918)	2130.73119 (18122918)	

2021.91210 (18122918)
70.0 | 3605.16622 (18110518) 2695.73805 (18110518) 2206.07069 (18110518) 2138.78549 (18110518) 1822.89971 (18110518)
80.0 | 2774.75102 (18112318) 2168.11425 (18112318) 1766.26253 (18112318) 1592.98176 (18040419) 1389.90042 (18040419)
90.0 | 3787.44808 (18112520) 2881.41494 (18112520) 2544.74756 (18112520) 2112.27258 (18112520) 1859.74956 (18112520)
100.0 | 4058.09015 (18110418) 3091.96268 (18110418) 2807.21658 (18110418) 2379.03455 (18110418) 2091.24752 (18110418)
110.0 | 3271.67020 (18042606) 2523.84406 (18042606) 2297.49209 (18042606) 2016.85441 (18042606) 1741.30085 (18042606)
120.0 | 3316.93633 (18091506) 2573.97419 (18091506) 2293.55222 (18091506) 2116.22981 (18091506) 1807.18619 (18091506)
130.0 | 3639.30272 (18070320) 2794.34871 (18070320) 2381.83783 (18102521) 2205.30586 (18102521) 1924.36707 (18102521)
140.0 | 3405.32161 (18112508) 2584.55175 (18112508) 2089.31026 (18112508) 1778.85441 (18112508) 1684.66160 (18112508)
150.0 | 4037.50197 (18110419) 3223.68225 (18110419) 2643.41459 (18110419) 2088.72593 (18102921) 1808.41838 (18102921)
160.0 | 4251.31373 (18080720) 3444.57626 (18080720) 2780.35197 (18080720) 2205.20042 (18080720) 1955.28651 (18080720)
170.0 | 4469.62815 (18060620) 3595.40572 (18060620) 2964.46433 (18060620) 2778.11232 (18060620) 2042.89240 (18060620)
180.0 | 3756.44311 (18040407) 3030.87361 (18040407) 2489.32393 (18040407) 2116.43975 (18011707) 1793.02985 (18011707)
190.0 | 2938.01622 (18080520) 2345.44047 (18121806) 1930.36599 (18121807) 1649.39271 (18121807) 1414.19602 (18121807)
200.0 | 2962.51706 (18070906) 2409.39191 (18070906) 1978.67062 (18070906) 1656.71718 (18070906) 1408.87692 (18070906)
210.0 | 3221.34997 (18071406) 2816.19916 (18071406) 2161.72180 (18071406) 1834.51289 (18071406) 1504.51611 (18071406)
220.0 | 2664.24458 (18010920) 2461.19215 (18010920) 2024.73359 (18010920) 1537.47269 (18010920) 1312.23981 (18010920)
230.0 | 2940.97608 (18081907) 2319.87619 (18081907) 1909.67749 (18081907) 1613.23191 (18081907) 1396.66178 (18081907)
240.0 | 3459.03273 (18120820) 2715.32998 (18120820) 2244.08595 (18120820) 1893.64653 (18120820) 1624.43760 (18120820)
250.0 | 3358.92433 (18091906) 2738.60379 (18091906) 2274.42890 (18021607) 1948.67699 (18021607) 1633.62795 (18021607)
260.0 | 3589.54399 (18020806) 2916.34740 (18020806) 2431.77428 (18020806) 2088.17106 (18020806) 1799.33694 (18020806)
270.0 | 3523.73198 (18021606) 2833.32788 (18021606) 2375.81185 (18021606) 1996.53127 (18021606) 1680.98453 (18021606)
280.0 | 3620.27297 (18091907) 2944.11104 (18091907) 2426.90629 (18091907) 2029.35605 (18091907) 1757.68558 (18091907)
290.0 | 3744.48559 (18061706) 3028.61053 (18061706) 2509.76749 (18061706) 2127.89186 (18061706) 1842.95646 (18061706)
300.0 | 3682.03531 (18123006) 2962.75091 (18123006) 2463.09761 (18123006) 2119.74240 (18123006) 1862.67685 (18123006)
310.0 | 3467.75094 (18071320) 2817.02538 (18051106) 2362.85450 (18051106) 2039.30888 (18051106) 1740.04223 (18051106)
320.0 | 3332.11911 (18071506) 2722.11949 (18071506) 2278.23199 (18071506) 1940.05677 (18071506) 1648.27589 (18071506)
330.0 | 3317.30468 (18071221) 2691.36518 (18071221) 2278.39499 (18071221) 1955.07390 (18071221) 1700.17253 (18071221)
340.0 | 3250.37271 (18120819) 2616.27051 (18120819) 2149.74217 (18120819) 1857.99381 (18120819) 1613.33755 (18120819)
350.0 | 3562.00582 (18011121) 2897.19251 (18011121) 2418.74366 (18011121) 2052.18114 (18011121) 1784.80003 (18011121)
360.0 | 3325.55182 (18052120) 2647.06817 (18112506) 2244.52717 (18112506) 1878.70051 (18072706) 1631.56605 (18072706)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1643.73033 (18082207)	1466.94203 (18082207)	1313.74961 (18082207)	1187.76444 (18082207)	1078.67123 (18082207)
20.0	1531.53969 (18111221)	1360.23177 (18111221)	1214.17395 (18111221)	1094.57522 (18111221)	993.44747 (18111221)
30.0	1979.46552 (18122919)	1746.56705 (18122919)	1590.96092 (18122919)	1444.68686 (18122919)	1291.49329 (18122919)
40.0	1622.08642 (18020519)	1439.87800 (18020519)	1290.38699 (18020519)	1165.84579 (18020519)	1060.13242 (18020519)
50.0	1970.83383 (18033021)	1768.11280 (18033021)	1581.81745 (18033021)	1447.29656 (18033021)	1327.69031 (18033021)
60.0	1771.80020 (18122918)	1531.46073 (18122918)	1408.28403 (18122918)	1289.23844 (18122918)	1180.12294 (18123018)
70.0	1602.79477 (18112318)	1403.15439 (18112318)	1246.95814 (18112318)	1125.57430 (18112318)	1022.94306 (18112318)
80.0	1225.45341 (18040419)	1093.18935 (18040419)	983.08631 (18040419)	885.99894 (18040419)	804.97351 (18040419)
90.0	1621.39820 (18112520)	1407.33097 (18112519)	1275.07752 (18112519)	1144.67626 (18112520)	1031.53723 (18112520)
100.0	1822.90279 (18110418)	1617.43498 (18110418)	1523.30501 (18110418)	1383.27850 (18110418)	1272.22818 (18110418)
110.0	1462.23075 (18042606)	1304.88119 (18042606)	1189.81878 (18042606)	1075.53105 (18042606)	994.61530 (18042606)
120.0	1612.44230 (18091506)	1330.24189 (18091506)	1240.89371 (18091506)	1136.72975 (18091506)	1002.33518 (18091506)
130.0	1682.02386 (18102521)	1451.03780 (18102521)	1268.79528 (18102521)	1132.25459 (18102521)	1028.12855 (18102521)
140.0	1479.95602 (18112508)	1317.55084 (18112508)	1176.32244 (18112508)	1070.35115 (18112508)	986.78665 (18112508)
150.0	1743.23119 (18102921)	1519.18293 (18102921)	1352.72703 (18102921)	1222.58696 (18102921)	1194.70030 (18102921)
160.0	1592.90830 (18042006)	1408.98505 (18080720)	1428.62335 (18080720)	1339.40524 (18080720)	1178.90115 (18080720)
170.0	1859.48015 (18060620)	1458.82354 (18060620)	1300.94885 (18060620)	1248.64539 (18060620)	1202.61649 (18060620)
180.0	1601.85704 (18011707)	1370.16084 (18011707)	1139.21628 (18011707)	1029.65319 (18011707)	1008.19620 (18110621)
190.0	1250.81194 (18121807)	1116.28605 (18121807)	958.64867 (18121807)	888.42687 (18121807)	698.64434 (18121807)
200.0	1233.39407 (18070906)	1082.76556 (18070906)	990.01038 (18070906)	923.30965 (18070906)	904.77458 (18070906)
210.0	1314.77859 (18071406)	1145.02305 (18071406)	1036.60587 (18071406)	922.94018 (18071406)	967.37004 (18071406)
220.0	1113.52399 (18010920)	957.22564 (18010920)	846.26067 (18010920)	783.86943 (18010920)	712.13686 (18010920)
230.0	1228.86065 (18081907)	1081.83975 (18081907)	926.86918 (18081907)	843.34792 (18081907)	729.88965

(18081907)
240.0 | 1421.09677 (18120820) 1237.22922 (18120820) 1126.27079 (18120820) 1007.43493 (18120820)
868.91287 (18120820)
250.0 | 1424.13116 (18021607) 1244.94764 (18021607) 1113.34461 (18021607) 1000.81876 (18021607) 898.00324
(18021607)
260.0 | 1574.14539 (18020806) 1392.04191 (18020806) 1239.13248 (18020806) 1105.65723 (18020806)
995.64578 (18020806)
270.0 | 1482.10007 (18012821) 1301.18450 (18012821) 1171.33761 (18012821) 1064.67714 (18012821)
969.26633 (18012821)
280.0 | 1507.76481 (18091907) 1383.43377 (18091907) 1277.83300 (18091907) 1175.28126 (18091907)
1101.35433 (18091907)
290.0 | 1665.26876 (18061706) 1481.74266 (18061706) 1352.79395 (18061706) 1224.70329 (18061706)
1116.84749 (18061706)
300.0 | 1678.52993 (18123006) 1467.43823 (18123006) 1311.23760 (18123006) 1188.35011 (18123006)
1115.98722 (18123006)
310.0 | 1539.38121 (18051106) 1362.91090 (18081906) 1245.50349 (18081906) 1138.64953 (18081906) 975.45472
(18081906)
320.0 | 1442.22133 (18071506) 1328.89043 (18071506) 1204.44723 (18071506) 1092.31513 (18071506)
984.26717 (18071506)
330.0 | 1529.91213 (18071221) 1339.27853 (18071221) 1193.81310 (18071221) 1084.82238 (18071221)
975.53460 (18071221)
340.0 | 1394.94478 (18120819) 1215.11789 (18120819) 1063.82369 (18120819) 960.13342 (18120819) 894.17982
(18120819)
350.0 | 1563.59078 (18011121) 1399.78223 (18011121) 1249.20607 (18011121) 1122.10018 (18011121) 1003.31454
(18011121)
360.0 | 1425.15855 (18072706) 1267.30230 (18072706) 1139.48252 (18072706) 1028.56902 (18072706)
944.17755 (18072706)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	984.67472 (18082207)	901.46996 (18082207)	829.24749 (18082207)	761.25103 (18082207)	698.89417 (18082207)
20.0	902.09113 (18111221)	811.20379 (18111221)	750.46224 (18111221)	703.32919 (18111221)	660.45708 (18111221)
30.0	1171.53481 (18122919)	1078.49254 (18122919)	992.70494 (18122919)	912.96609 (18122919)	851.17162 (18122919)
40.0	968.76472 (18020519)	888.84203 (18020519)	818.12926 (18020519)	755.38485 (18020519)	700.59833 (18020519)
50.0	1192.73641 (18033021)	1112.08890 (18033021)	1015.36297 (18033021)	934.70197 (18033021)	883.46908 (18033021)
60.0	1079.80555 (18123018)	987.75177 (18122918)	899.41359 (18122918)	823.48653 (18122918)	761.86424 (18122918)
70.0	972.45904 (18112318)	866.30809 (18112318)	804.68983 (18112318)	743.19759 (18112318)	704.17254 (18020720)
80.0	736.51676 (18040419)	675.76681 (18040419)	614.24885 (18040419)	564.37218 (18112507)	532.84124 (18112507)
90.0	932.10242 (18112520)	830.04786 (18112520)	752.43876 (18112519)	694.35275 (18112519)	651.80567

(18112519)
100.0 | 1172.11749 (18110418) 1073.63592 (18110418) 997.27163 (18110418) 903.97644 (18110418) 853.98205 (18110418)
110.0 | 930.13368 (18042606) 849.45968 (18042606) 782.30522 (18042606) 718.13908 (18042606) 667.35479 (18042606)
120.0 | 927.37884 (18091506) 860.79442 (18091506) 810.33012 (18091506) 748.74742 (18091506) 698.35995 (18091506)
130.0 | 952.26563 (18102521) 893.59161 (18102521) 836.87578 (18102521) 797.43387 (18102521) 732.41637 (18102521)
140.0 | 903.78201 (18112508) 844.26859 (18112508) 782.34283 (18112508) 733.68108 (18112508) 679.99809 (18112508)
150.0 | 1094.20641 (18102921) 970.60061 (18102921) 902.79718 (18102921) 829.06614 (18102921) 770.69486 (18102921)
160.0 | 1003.86566 (18080720) 977.77185 (18080720) 905.86470 (18080720) 848.99956 (18080720) 783.61050 (18080720)
170.0 | 1065.93921 (18060620) 999.71138 (18060620) 940.90202 (18060620) 882.50256 (18060620) 832.40513 (18060620)
180.0 | 935.98399 (18110621) 850.23092 (18110621) 793.12614 (18110621) 738.80378 (18110621) 699.35033 (18110621)
190.0 | 639.60350 (18121807) 588.69603 (18121807) 544.41778 (18121807) 571.69135 (18013121) 537.57131 (18062806)
200.0 | 788.66939 (18070906) 589.20158 (18070906) 544.89923 (18070906) 566.71655 (18070906) 532.14134 (18070906)
210.0 | 666.49817 (18071406) 614.88680 (18071406) 570.44829 (18071406) 611.71773 (18071406) 581.59308 (18071406)
220.0 | 713.18660 (18040406) 519.58412 (18010920) 480.50877 (18010920) 446.25745 (18010920) 447.48736 (18010920)
230.0 | 679.56100 (18081907) 638.00173 (18081907) 582.52466 (18081907) 516.02299 (18081907) 495.20274 (18081907)
240.0 | 794.96145 (18120820) 718.62522 (18120820) 614.04856 (18120820) 545.08091 (18120820) 550.00723 (18120820)
250.0 | 819.94314 (18021607) 741.42720 (18021607) 694.11433 (18021607) 612.34883 (18021607) 543.66838 (18021607)
260.0 | 909.35424 (18020806) 813.54788 (18020806) 736.84617 (18020806) 665.34307 (18020806) 630.29309 (18020806)
270.0 | 890.13043 (18012821) 808.52066 (18012821) 735.42693 (18012821) 687.05676 (18012821) 644.27302 (18012821)
280.0 | 989.62009 (18091907) 889.84496 (18091907) 819.75306 (18091907) 766.67368 (18091907) 725.49227 (18091907)
290.0 | 1031.25272 (18061706) 953.59065 (18061706) 885.89344 (18061706) 835.83221 (18061706) 776.77545 (18061706)
300.0 | 997.57266 (18123006) 914.92226 (18123006) 842.90232 (18123006) 784.86661 (18123006) 752.96415 (18123006)
310.0 | 920.87943 (18081906) 839.36007 (18081906) 779.87032 (18081906) 701.46320 (18081906) 654.09581 (18081906)
320.0 | 884.82357 (18071506) 800.95466 (18071506) 750.61191 (18071506) 668.48962 (18071506) 617.57435 (18071506)
330.0 | 880.94938 (18071221) 808.66092 (18071221) 726.51484 (18071221) 660.66799 (18071221) 616.52234 (18071221)
340.0 | 797.79263 (18010108) 738.35560 (18120819) 652.48946 (18010108) 606.18570 (18010108) 571.83633 (18010108)
350.0 | 911.58498 (18022606) 833.74445 (18022606) 771.77963 (18022606) 716.16462 (18022606) 671.31693 (18022606)
360.0 | 868.49150 (18072706) 802.37115 (18072706) 744.05779 (18072706) 688.28028 (18072706) 639.80519 (18072706)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	6332.35964	(18091506)	TANK	498.87	129.50	4621.68185	(18070320)
TANK	81.43	359.00	48125.46060	(18011121)	TANK	116.79	44.50	31775.11334	(18033021)
TANK	109.20	67.00	30598.67185	(18012018)	TANK	100.70	93.73	41776.67995	(18041906)
TANK	87.91	103.99	41889.17324	(18110418)	TANK	99.82	123.38	34729.16209	(18070320)
TANK	138.00	141.00	26801.44916	(18070320)	TANK	106.00	180.00	34597.97179	(18040407)
TANK	115.60	206.00	29641.15617	(18071406)	TANK	54.00	270.00	71532.90126	(18121608)
TANK	97.00	326.00	32775.36589	(18052421)	TANK	133.94	242.10	24316.56859	(18120820)
TANK	101.99	301.65	37955.63461	(18121607)	TANK	236.54	274.95	11403.92101	(18091907)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	31384.68401 (18082207)	14457.92759 (18082207)	8974.30066 (18082207)	6273.00472 (18082207)	4696.18580 (18082207)
20.0	33594.11867 (18110520)	14826.13217 (18110520)	8737.19461 (18112521)	5697.77772 (18111221)	4312.64010 (18111221)
30.0	40351.39062 (18122920)	18387.47022 (18122920)	11176.98466 (18122920)	7721.92807 (18122920)	5742.23639 (18122920)
40.0	35431.13136 (18081306)	15801.45722 (18011120)	9034.43855 (18122920)	5940.98238 (18122920)	4355.51646 (18061520)
50.0	44304.40768 (18033021)	19645.09099 (18033021)	11743.37840 (18033021)	7924.26539 (18022421)	5887.49571 (18022421)
60.0	38285.40389 (18123018)	17577.67619 (18123018)	10467.75995 (18022421)	6931.66214 (18022421)	4977.61644 (18022421)
70.0	31121.38122 (18012018)	14161.87155 (18012018)	8567.68478 (18122918)	5871.42624 (18020720)	4422.67170 (18020720)
80.0	28112.77196 (18112318)	11472.12637 (18121818)	7079.07507 (18121818)	4846.30746 (18121818)	3559.64836 (18121818)
90.0	37597.05590 (18041906)	16345.13514 (18112519)	9633.09804 (18112519)	6440.41152 (18112519)	4711.76293 (18112519)
100.0	39052.26814 (18112520)	17076.98198 (18112520)	9929.35355 (18112520)	6593.24521 (18112520)	4710.12911 (18112520)
110.0	30309.89082 (18041906)	13494.86286 (18042606)	8201.27795 (18091507)	5510.55241 (18091507)	4064.18481 (18091507)
120.0	29167.56525 (18091506)	13325.32714 (18101121)	8154.83407 (18021720)	5615.60566 (18021720)	4189.87023 (18021720)
130.0	31417.67206 (18031321)	14671.26215 (18102521)	9017.83142 (18102521)	6176.12295 (18102521)	

4599.10629 (18102521)
140.0 | 30123.01668 (18121719) 14063.40324 (18121719) 8482.28105 (18121719) 5835.54955 (18112508)
4326.62743 (18112508)
150.0 | 38280.72574 (18042006) 16451.89871 (18042006) 9347.40140 (18042006) 6128.55061 (18042006)
4391.65876 (18092420)
160.0 | 38193.49831 (18080720) 17580.02636 (18090721) 10461.32082 (18042006) 7182.58655 (18042006)
5345.64107 (18042006)
170.0 | 42981.03975 (18062706) 18556.55910 (18091406) 10539.38447 (18070321) 7107.48439 (18070321)
5419.52659 (18070321)
180.0 | 35793.79495 (18060620) 15195.55202 (18060620) 9139.01748 (18120406) 6322.99071 (18120406)
4706.45466 (18120406)
190.0 | 30038.82647 (18091406) 12134.24179 (18021707) 7244.90239 (18080520) 4952.97485 (18121807)
3687.55551 (18121807)
200.0 | 30407.16105 (18091306) 12595.58178 (18121806) 7395.22756 (18121806) 4992.29437 (18121806)
3691.86841 (18121806)
210.0 | 32974.38825 (18091306) 14203.89600 (18071406) 8358.65592 (18071406) 5583.48661 (18031607)
4043.68973 (18031607)
220.0 | 26914.04447 (18010920) 11573.01863 (18010920) 6865.23834 (18010920) 4462.86277 (18071406)
3247.00489 (18071406)
230.0 | 31019.51670 (18040406) 12546.17662 (18081907) 7331.14357 (18081907) 5023.45600 (18081907)
3687.04251 (18040406)
240.0 | 29490.84119 (18010919) 12346.71091 (18082007) 7262.73076 (18122419) 4974.79095 (18122419)
3704.69774 (18122419)
250.0 | 32027.76523 (18122407) 13897.35224 (18021607) 8283.59494 (18021607) 5661.60983 (18021607)
4304.03562 (18021607)
260.0 | 34600.29814 (18040207) 15052.08926 (18020806) 8881.82639 (18122406) 6113.03610 (18122406)
4501.19195 (18122406)
270.0 | 35725.25021 (18121608) 14764.75044 (18012821) 8784.04309 (18122406) 5962.73600 (18021606)
4424.36438 (18021606)
280.0 | 33402.08498 (18030606) 14738.57160 (18030606) 8811.03939 (18030606) 5958.46617 (18030606)
4395.22920 (18030606)
290.0 | 34885.95756 (18030606) 15366.76548 (18030607) 9290.87853 (18030607) 6357.60215 (18030607)
4755.72429 (18030607)
300.0 | 34404.51466 (18071306) 15322.34676 (18071306) 9222.97148 (18123006) 6341.25392 (18123006)
4711.63709 (18123006)
310.0 | 33037.26392 (18121607) 14346.95934 (18051106) 8690.41211 (18051106) 5994.59277 (18051106)
4428.71708 (18051106)
320.0 | 32614.90840 (18052421) 14151.01152 (18071506) 8258.88056 (18081906) 5509.05131 (18081906)
3898.18835 (18081906)
330.0 | 28973.75106 (18031021) 11903.41699 (18020620) 7299.72485 (18020620) 5088.80678 (18020620)
3805.05815 (18020620)
340.0 | 31468.55646 (18110521) 11856.97267 (18010108) 7253.33566 (18010108) 5030.28654 (18010108)
3728.19033 (18010108)
350.0 | 35108.87615 (18120819) 15174.35117 (18120819) 8916.46982 (18120819) 5990.83410 (18120819)
4365.69542 (18120819)
360.0 | 29168.07169 (18022606) 12391.41178 (18052120) 7892.50203 (18052120) 5588.60454 (18052120)
4229.39252 (18052120)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)

(DEGREES)	600.00	700.00	800.00	900.00	1000.00
10.0	3683.55981 (18082207)	2965.90443 (18082207)	2457.74313 (18082207)	2131.19127 (18082207)	1820.86309 (18110520)
20.0	3284.99898 (18110520)	2625.94736 (18110520)	2167.24312 (18110520)	1825.95818 (18031119)	1602.67512 (18031119)
30.0	4459.58822 (18122920)	3577.36855 (18122920)	2957.37214 (18122920)	2473.49758 (18122920)	2152.48094 (18122920)
40.0	3373.72576 (18031807)	2744.17051 (18031807)	2286.09445 (18031807)	1936.14734 (18031807)	1686.36782 (18031807)
50.0	4525.09856 (18022421)	3503.78861 (18022421)	2826.94044 (18022421)	2309.43811 (18022421)	1969.54472 (18022421)
60.0	3731.07571 (18022421)	2924.64220 (18022421)	2328.71449 (18022421)	1947.62237 (18022421)	1753.75243 (18022421)
70.0	3512.87730 (18020720)	2643.37605 (18020720)	2164.24094 (18020720)	2086.49608 (18020720)	1781.62257 (18020720)
80.0	2713.76052 (18121818)	2128.09481 (18121818)	1759.36610 (18040419)	1561.74922 (18071521)	1336.39563 (18121818)
90.0	3602.77582 (18112519)	2752.01305 (18112519)	2416.26636 (18112519)	2087.00317 (18112519)	1793.61101 (18112519)
100.0	3671.88979 (18112520)	2820.24479 (18112520)	2472.42689 (18041021)	2097.44333 (18041021)	1844.43220 (18041021)
110.0	3176.95586 (18091507)	2436.42808 (18091507)	2154.91653 (18091507)	1890.47144 (18091507)	1629.75127 (18091507)
120.0	3249.86707 (18021720)	2543.70668 (18021720)	2239.93167 (18021720)	2014.84946 (18021720)	1735.10102 (18021720)
130.0	3586.17914 (18102521)	2764.90174 (18102521)	2303.83131 (18022420)	2120.41744 (18022420)	1847.45872 (18022420)
140.0	3385.35587 (18102921)	2571.47833 (18102921)	2049.37942 (18102921)	1726.29870 (18102920)	1648.67764 (18102920)
150.0	3383.43552 (18092420)	2700.74418 (18022020)	2214.66798 (18022020)	1751.53553 (18022020)	1516.59053 (18022020)
160.0	4154.27909 (18042006)	3352.03556 (18042006)	2714.60903 (18042006)	2190.11633 (18042006)	1911.64895 (18042006)
170.0	4245.35413 (18070321)	3434.58264 (18070321)	2847.18460 (18070321)	2601.26634 (18070321)	1995.17181 (18070321)
180.0	3691.59684 (18011707)	2999.29406 (18011707)	2485.88074 (18011707)	2111.14135 (18040407)	1775.58557 (18110621)
190.0	2886.67692 (18121807)	2334.46405 (18121807)	1920.19698 (18062806)	1640.56459 (18062806)	1406.70550 (18062806)
200.0	2865.94976 (18012020)	2335.97138 (18012020)	1926.44731 (18012020)	1619.25065 (18012020)	1381.74466 (18012020)
210.0	3091.88561 (18031607)	2561.00821 (18111007)	2003.82867 (18031607)	1701.47593 (18031607)	1409.20966 (18031607)
220.0	2424.94808 (18110707)	2194.39245 (18110707)	1832.59597 (18110707)	1400.17859 (18110707)	1197.15432 (18110707)
230.0	2910.47705 (18040406)	2284.97985 (18040406)	1877.42619 (18040406)	1584.46276 (18040406)	1368.43699 (18040406)
240.0	2938.40659 (18122419)	2331.77615 (18122419)	1927.94183 (18122419)	1626.78523 (18122419)	1396.01848 (18122419)
250.0	3336.19993 (18021607)	2728.91736 (18021607)	2273.60768 (18091906)	1943.37756 (18020520)	1629.75959 (18020520)
260.0	3494.22951 (18122406)	2800.55379 (18122406)	2300.24958 (18122406)	1965.19294 (18122406)	1690.59018 (18122406)
270.0	3506.09300 (18040207)	2785.09893 (18090907)	2336.80524 (18090907)	1967.03624 (18090907)	1659.81272 (18090907)
280.0	3428.22084 (18030606)	2787.47047 (18030606)	2296.83668 (18030606)	1919.73276 (18030606)	1659.25289 (18030606)
290.0	3681.93670 (18030607)	2979.90791 (18030607)	2471.25657 (18030607)	2096.86175 (18030607)	1817.67182 (18030607)
300.0	3659.91218 (18071320)	2933.69478 (18071320)	2434.32200 (18071320)	2094.28532 (18071320)	

1810.79497 (18071320)
310.0 | 3444.60130 (18051106) 2792.80711 (18071320) 2242.59660 (18071320) 1928.42767 (18071320)
1639.78892 (18071320)
320.0 | 3029.67038 (18081906) 2361.41911 (18081906) 1983.29677 (18112407) 1703.67611 (18112407)
1460.39686 (18112407)
330.0 | 2987.94321 (18020620) 2434.93655 (18020620) 2076.81510 (18020620) 1792.59364 (18020620)
1560.19036 (18020620)
340.0 | 2933.96108 (18010108) 2373.10829 (18010108) 2025.55544 (18010108) 1741.19964 (18010108)
1506.12970 (18010108)
350.0 | 3368.76191 (18120819) 2688.47588 (18022606) 2282.24741 (18022606) 1985.98870 (18022606)
1729.12456 (18022606)
360.0 | 3316.91616 (18011121) 2596.08992 (18072706) 2209.34762 (18011121) 1859.19739 (18112506)
1596.25626 (18120818)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 32
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 1100.00 1200.00 1300.00 1400.00 1500.00

10.0 | 1574.75264 (18110520) 1408.35087 (18110520) 1258.58928 (18110520) 1145.48303 (18110520) 1034.89679
(18110520)
20.0 | 1423.11454 (18031119) 1269.33327 (18031119) 1136.58182 (18031119) 1025.06636 (18031119) 928.96736
(18031119)
30.0 | 1883.85006 (18122920) 1663.29187 (18122920) 1505.34751 (18122920) 1347.64891 (18122920)
1206.68197 (18122920)
40.0 | 1386.50655 (18031807) 1230.88709 (18031807) 1103.15775 (18031807) 996.72115 (18031807) 906.86235
(18031807)
50.0 | 1864.74284 (18022421) 1646.95229 (18123019) 1480.34990 (18123019) 1365.55613 (18123019)
1256.78227 (18123019)
60.0 | 1483.00096 (18022421) 1301.74544 (18022421) 1143.40430 (18032521) 1035.60166 (18032521) 955.96009
(18112420)
70.0 | 1570.18024 (18020720) 1389.23488 (18020720) 1241.46581 (18020720) 1121.32100 (18020720)
1019.62742 (18020720)
80.0 | 1162.67792 (18121818) 1034.37843 (18071521) 928.19524 (18071521) 833.72572 (18071521) 756.67951
(18071521)
90.0 | 1586.13662 (18112519) 1397.13671 (18112520) 1255.53393 (18112520) 1134.64869 (18112519) 1012.59928
(18112519)
100.0 | 1609.64032 (18041021) 1429.62256 (18041021) 1344.24055 (18041021) 1220.42510 (18041021)
1121.87164 (18041021)
110.0 | 1358.54014 (18091507) 1214.26015 (18091507) 1109.61997 (18091507) 990.56365 (18091507) 880.57734
(18110920)
120.0 | 1540.66519 (18021720) 1294.68497 (18021720) 1197.33463 (18021720) 1093.95353 (18021720)
970.70766 (18021720)
130.0 | 1614.03388 (18022420) 1393.80055 (18022420) 1219.35508 (18022420) 1087.99038 (18022420)
987.51835 (18022420)
140.0 | 1448.32570 (18102920) 1289.75108 (18102920) 1150.80503 (18102920) 1048.04953 (18102920)
968.23634 (18102920)
150.0 | 1496.39194 (18092420) 1308.86504 (18092420) 1166.84597 (18092420) 1054.68011 (18092420)
1018.88025 (18092420)
160.0 | 1589.26687 (18080720) 1401.04121 (18042006) 1390.78411 (18042006) 1287.40327 (18042006)

1145.91765 (18042006)
170.0 | 1800.71238 (18070321) 1436.26313 (18070321) 1287.61375 (18070321) 1221.18200 (18070321)
1152.67205 (18070321)
180.0 | 1595.68507 (18110621) 1361.78047 (18110621) 1129.16944 (18110621) 1020.57999 (18110621)
1002.80204 (18011707)
190.0 | 1244.04168 (18062806) 1110.14765 (18062806) 954.04492 (18013121) 883.61095 (18062806) 697.59874
(18013121)
200.0 | 1208.41987 (18012020) 1060.59809 (18012020) 967.49720 (18012020) 899.00973 (18012020) 902.81540
(18012020)
210.0 | 1232.25642 (18031607) 1072.65761 (18031607) 961.34294 (18111007) 856.99299 (18111007) 886.02021
(18111007)
220.0 | 1017.70566 (18110707) 876.02044 (18110707) 774.99853 (18110707) 720.19198 (18110707) 657.36229
(18110707)
230.0 | 1191.04349 (18082006) 1045.97478 (18082006) 896.92708 (18040406) 812.37265 (18082006) 707.42175
(18040406)
240.0 | 1220.94816 (18122419) 1067.14261 (18122419) 969.68098 (18122419) 869.56359 (18122419) 756.69912
(18122419)
250.0 | 1420.89378 (18020520) 1242.29241 (18020520) 1111.00469 (18020520) 998.76386 (18020520) 896.25513
(18020520)
260.0 | 1477.34819 (18122406) 1305.21544 (18122406) 1160.68533 (18122406) 1034.37355 (18122406)
930.58014 (18122406)
270.0 | 1465.41339 (18090907) 1292.63394 (18090907) 1165.06151 (18090907) 1058.54636 (18090907)
963.73372 (18090907)
280.0 | 1425.85542 (18030606) 1278.85810 (18120821) 1180.06874 (18120821) 1085.17441 (18120821)
1014.49037 (18120821)
290.0 | 1643.52755 (18030607) 1463.94039 (18030607) 1337.80396 (18030607) 1212.44554 (18030607)
1106.40971 (18030607)
300.0 | 1616.68970 (18071306) 1411.47639 (18071306) 1260.86263 (18071306) 1142.69403 (18071306)
1074.43642 (18071306)
310.0 | 1423.33417 (18071320) 1227.84961 (18071320) 1138.00735 (18071320) 998.25449 (18021706) 887.16536
(18071320)
320.0 | 1280.03152 (18112407) 1166.24660 (18112407) 1053.21132 (18112407) 957.89466 (18112407) 876.55269
(18112407)
330.0 | 1387.34336 (18020620) 1224.92824 (18020620) 1094.02086 (18020620) 992.74832 (18020620) 901.74808
(18020620)
340.0 | 1328.30945 (18010108) 1175.48517 (18010108) 1052.24037 (18010108) 958.35644 (18010108) 887.62317
(18010108)
350.0 | 1516.58830 (18022606) 1352.68637 (18022606) 1206.73507 (18022606) 1085.74356 (18022606)
985.53892 (18022606)
360.0 | 1399.38209 (18120818) 1249.36289 (18120818) 1128.59142 (18120818) 1023.38430 (18120818)
938.90384 (18120818)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 33
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 1600.00 1700.00 1800.00 1900.00 2000.00
- -

10.0 | 928.40175 (18110520) 839.37068 (18110520) 762.29045 (18110520) 700.59018 (18110520) 650.68744
(18110520)
20.0 | 843.61554 (18031119) 763.12568 (18031119) 702.83794 (18031119) 653.03104 (18031119) 609.00198

(18031119)
30.0 | 1088.58574 (18122920) 998.92711 (18111321) 920.45805 (18111321) 848.11439 (18111321) 790.82020 (18111321)
40.0 | 829.69968 (18031807) 762.32315 (18031807) 702.86124 (18031807) 649.82323 (18031807) 602.35942 (18031807)
50.0 | 1133.64501 (18123019) 1055.58365 (18123019) 966.22083 (18123019) 890.97700 (18123019) 840.56592 (18123019)
60.0 | 877.48905 (18112420) 816.06490 (18112420) 738.08513 (18112420) 682.87681 (18032521) 641.26004 (18032521)
70.0 | 963.70991 (18020720) 863.33726 (18020720) 801.61420 (18020720) 741.05926 (18020720) 695.71618 (18112318)
80.0 | 691.99221 (18071521) 634.32452 (18071521) 574.59147 (18071521) 544.29436 (18071921) 510.93957 (18071921)
90.0 | 909.48370 (18112519) 821.93157 (18112519) 751.90944 (18112520) 678.82055 (18112520) 629.21492 (18112520)
100.0 | 1033.30122 (18041021) 946.78589 (18041021) 879.28507 (18041021) 797.92855 (18041021) 753.37363 (18041021)
110.0 | 819.72298 (18110920) 750.45699 (18110920) 691.98261 (18110920) 636.83847 (18110920) 592.24789 (18110920)
120.0 | 896.73319 (18021720) 831.37634 (18021720) 780.44512 (18021720) 721.97948 (18021720) 673.49962 (18021720)
130.0 | 914.15223 (18022420) 857.34234 (18022420) 802.63433 (18022420) 764.21712 (18022420) 702.24517 (18022420)
140.0 | 886.79024 (18102920) 830.55071 (18102920) 769.85230 (18102920) 723.15491 (18102920) 669.52329 (18102920)
150.0 | 962.07231 (18092420) 832.86316 (18092420) 778.87392 (18092420) 728.22801 (18092420) 689.12075 (18092420)
160.0 | 976.26460 (18042006) 946.31312 (18042006) 866.55038 (18042006) 808.68418 (18041221) 749.31607 (18041221)
170.0 | 1026.81237 (18070321) 959.84103 (18111006) 901.61235 (18070321) 845.05318 (18070321) 798.51623 (18070321)
180.0 | 924.74618 (18011707) 839.17248 (18011707) 783.25324 (18011707) 729.73407 (18011707) 691.53986 (18011707)
190.0 | 638.62110 (18013121) 587.77036 (18013121) 543.54350 (18013121) 571.49691 (18062806) 537.54615 (18013121)
200.0 | 778.07397 (18012020) 583.05980 (18012020) 539.19700 (18012020) 555.99174 (18012020) 521.73738 (18012020)
210.0 | 646.24155 (18031607) 594.88400 (18031607) 550.21211 (18031607) 567.29504 (18111007) 538.44559 (18111007)
220.0 | 681.66663 (18110707) 477.23442 (18110707) 441.30543 (18110707) 409.79804 (18110707) 416.29648 (18110707)
230.0 | 652.90042 (18082006) 608.37984 (18082006) 554.45819 (18082006) 494.08467 (18082006) 469.49640 (18082006)
240.0 | 692.85701 (18122419) 628.19966 (18122419) 542.18616 (18122419) 484.28021 (18122419) 484.34210 (18122419)
250.0 | 818.36680 (18020520) 740.09449 (18020520) 692.81160 (18020520) 611.38617 (18020520) 542.93883 (18020520)
260.0 | 849.63463 (18122406) 758.74066 (18122406) 686.35914 (18122406) 618.84873 (18122406) 586.73139 (18122406)
270.0 | 884.88795 (18090907) 804.69721 (18090907) 732.99133 (18090907) 684.47061 (18090907) 641.56111 (18090907)
280.0 | 913.85394 (18120821) 823.79297 (18120821) 759.29075 (18120821) 709.80015 (18120821) 670.88621 (18120821)
290.0 | 1021.59006 (18030607) 944.59132 (18030607) 877.47113 (18030607) 827.52916 (18030607) 769.18794 (18030607)
300.0 | 959.34822 (18071306) 879.66792 (18071306) 810.24970 (18071306) 754.49194 (18071306) 724.56369 (18071306)
310.0 | 812.37079 (18021706) 741.76281 (18021706) 688.91920 (18021706) 622.34653 (18021706) 580.37845 (18021706)
320.0 | 787.74105 (18112407) 716.48726 (18112407) 683.88734 (18112407) 612.23359 (18112407) 569.12569 (18112407)
330.0 | 822.50336 (18020620) 758.44179 (18020620) 686.33337 (18020620) 623.44899 (18020620) 585.59751

(18020620)
340.0 | 797.42362 (18120819) 738.08605 (18010108) 645.09798 (18120819) 599.26125 (18120819) 566.56003 (18120819)
350.0 | 901.06475 (18011121) 825.47992 (18011121) 766.63726 (18011121) 711.06835 (18011121) 666.86250 (18011121)
360.0 | 863.34371 (18120818) 797.51695 (18120818) 739.61881 (18120818) 685.28733 (18120818) 637.71899 (18120818)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 34
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)
TANK	375.70	118.90	6191.86310	(18101121)	TANK	498.87	129.50	4611.96985	(18102521)
TANK	81.43	359.00	37681.58669	(18022606)	TANK	116.79	44.50	30849.28860	(18022421)
TANK	109.20	67.00	28779.07171	(18112318)	TANK	100.70	93.73	36922.57796	(18112519)
TANK	87.91	103.99	40753.28032	(18123020)	TANK	99.82	123.38	31196.07078	(18101120)
TANK	138.00	141.00	21705.61183	(18121719)	TANK	106.00	180.00	33625.42794	(18060620)
TANK	115.60	206.00	28586.79376	(18091306)	TANK	54.00	270.00	70429.77671	(18040207)
TANK	97.00	326.00	32424.97379	(18031021)	TANK	133.94	242.10	21338.09163	(18091906)
TANK	101.99	301.65	33569.67381	(18071306)	TANK	236.54	274.95	10939.86298	(18090907)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 35
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	13310.49982c(18123124)	5862.78577c(18123124)	3526.92250c(18123124)	2425.64151c(18123124)	1770.58294c(18123124)
20.0	8956.60450 (18031124)	3592.74351 (18031124)	2032.09542m(18011124)	1345.37974m(18011124)	979.17307m(18011124)
30.0	11911.70281c(18122924)	5350.57556c(18122924)	3244.09310c(18122924)	2241.03969c(18122924)	1672.25845c(18122924)
40.0	10992.06668c(18122924)	4695.60402 (18111224)	2797.37736 (18111224)	1906.91722 (18111224)	1406.90561 (18111224)
50.0	9858.23593 (18032424)	4340.05656 (18032424)	2615.72751 (18032424)	1812.84424 (18032424)	1331.24613 (18032424)
60.0	11549.72648 (18033024)	4682.28517 (18033024)	2694.54150 (18032524)	1866.09818 (18032524)	

1373.15037 (18032524)
70.0 | 10643.80258 (18033024) 4286.29942 (18033024) 2434.20337 (18033024) 1600.91691 (18033024)
1157.36543 (18112424)
80.0 | 11496.25671 (18112524) 4123.74215 (18112524) 2153.45841 (18112524) 1311.39020 (18112524)
936.00793c(18071524)
90.0 | 13859.69491 (18112524) 6055.54913 (18112524) 3546.34298 (18112524) 2368.06543 (18112524)
1726.11361 (18112524)
100.0 | 10863.67767 (18112524) 4877.09015 (18112524) 2858.26574 (18112524) 1902.99198 (18112524)
1365.29966 (18112524)
110.0 | 9282.89971 (18081024) 3758.15011 (18022324) 2270.40917 (18022324) 1549.32694 (18022324)
1136.94328 (18022324)
120.0 | 10235.53068 (18101124) 4837.72718 (18101124) 2920.20125 (18101124) 1974.61925 (18101124)
1454.93883 (18101124)
130.0 | 10751.21971 (18041724) 4700.96896 (18041724) 2787.73350 (18041724) 1870.22729 (18041724)
1367.04953 (18031524)
140.0 | 12453.86424 (18102924) 5680.34972 (18102924) 3398.88691 (18102924) 2290.32835 (18102924)
1665.55549 (18102924)
150.0 | 11077.89106 (18042008) 4647.77484 (18102824) 2809.69446 (18102824) 1890.36618 (18102824)
1372.91757 (18102824)
160.0 | 12088.01045 (18042008) 5264.81236 (18042008) 3067.94077 (18042008) 2093.95675 (18042008)
1558.90865 (18042008)
170.0 | 9663.27502 (18010524) 4379.55203 (18010524) 2599.83778 (18010524) 1775.20724 (18112024)
1292.00780 (18112024)
180.0 | 10822.48954 (18010524) 5244.25975 (18010524) 3240.43725 (18010524) 2242.35060 (18010524)
1666.02598 (18010524)
190.0 | 9837.54218 (18121808) 4556.21881 (18121808) 2713.28180 (18121808) 1850.98104 (18121808)
1377.09066 (18121808)
200.0 | 8824.00907 (18120624) 4022.86498 (18120624) 2333.06384 (18120624) 1544.68909 (18120624)
1105.54794 (18120624)
210.0 | 9476.26597m(18010624) 3974.22886m(18010624) 2207.37150m(18010624) 1436.87818m(18010624)
1021.87700m(18010624)
220.0 | 10465.91980m(18010624) 4504.02548m(18010624) 2575.08532m(18010624) 1722.82370m(18010624)
1243.56890m(18010624)
230.0 | 9856.48218 (18112924) 4152.71388 (18112924) 2346.77376 (18112924) 1580.74168 (18010924)
1146.68136 (18010924)
240.0 | 9879.63691 (18020208) 4307.26365 (18112924) 2503.82072 (18112924) 1678.03830 (18112924)
1223.72520 (18112924)
250.0 | 8628.19891 (18020208) 3641.71213 (18092808) 2191.55712 (18021908) 1501.81902 (18021908)
1116.23590 (18021908)
260.0 | 9249.29947 (18020808) 3990.47522 (18020808) 2338.40115 (18020808) 1581.20418 (18020808)
1153.12894 (18020808)
270.0 | 10215.57030 (18020808) 4351.42615 (18020808) 2511.07506 (18020808) 1668.41507 (18020808)
1201.40473 (18020808)
280.0 | 10178.60639 (18121608) 3953.36657 (18113024) 2384.38008 (18113024) 1654.37427 (18113024)
1215.54824 (18113024)
290.0 | 13119.51508b(18112008) 5794.43699b(18112008) 3448.87310b(18112008) 2341.33482b(18112008)
1708.85574b(18112008)
300.0 | 13432.74806b(18112008) 5726.93595b(18112008) 3275.89381b(18112008) 2172.54373b(18112008)
1554.80701b(18112008)
310.0 | 9832.34330b(18112008) 3575.31390b(18112008) 1916.55264 (18021708) 1312.68217 (18021708)
965.15796 (18021708)
320.0 | 9577.96965 (18121416) 3488.07863 (18112408) 2144.53454 (18112408) 1496.38434 (18112408)
1117.10194 (18112408)
330.0 | 10914.11152 (18121416) 3391.23947 (18112408) 1999.51797 (18112408) 1370.69807m(18123108)
1006.27822m(18123108)
340.0 | 8223.35810 (18051724) 3360.35019 (18020624) 1992.68277 (18020624) 1356.34961 (18020624)
1014.50150 (18030108)
350.0 | 8408.94530 (18022608) 3933.68837 (18022608) 2422.61507 (18022608) 1690.22439 (18022608)
1262.41101 (18022608)
360.0 | 11785.15938c(18123124) 5590.63701c(18123124) 3491.05868c(18123124) 2424.40090c(18123124)
1821.61789c(18123124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	1388.74874c(18123124)	1118.94264c(18123124)	919.88093c(18123124)	753.77928c(18123124)	644.41508c(18123124)
20.0	744.31665m(18011124)	596.81456m(18011124)	489.74104m(18011124)	406.86743m(18011124)	346.87069m(18011124)
30.0	1300.97743c(18122924)	1046.63116c(18122924)	867.24190c(18122924)	724.94592c(18122924)	630.80349c(18122924)
40.0	1089.97971 (18111224)	894.22816 (18111224)	733.36057 (18111224)	613.82566 (18111224)	529.52597 (18111224)
50.0	1044.59944 (18032424)	851.97339 (18032424)	700.23865 (18032424)	579.78526 (18032424)	496.90583 (18032424)
60.0	1071.21405 (18032524)	855.66183 (18032524)	690.87272 (18032524)	579.95017 (18032524)	525.75286 (18032524)
70.0	876.29542 (18112424)	718.24332 (18112424)	587.40692 (18112424)	505.80208 (18112424)	438.83705 (18112424)
80.0	715.87038c(18071524)	562.02001c(18071524)	459.26583 (18031724)	387.26617 (18031724)	328.94343 (18031724)
90.0	1318.97644 (18112524)	1009.31010 (18112524)	884.92793 (18112524)	751.96689 (18112524)	654.65454 (18112524)
100.0	1056.14784 (18112524)	822.87596 (18112524)	686.46517 (18112524)	575.15315 (18112524)	492.16531 (18112524)
110.0	871.40532 (18022324)	680.60428 (18022324)	579.44749 (18022324)	488.53754 (18022324)	421.33444 (18022324)
120.0	1113.32117 (18101124)	866.31904 (18101124)	749.08632 (18101124)	655.94934 (18101124)	562.30735 (18101124)
130.0	1049.90699 (18031524)	817.31378 (18031524)	682.88623 (18031524)	592.21019 (18031524)	512.92767 (18031524)
140.0	1275.08232 (18102924)	983.19269 (18102924)	791.75948 (18102924)	660.46694 (18102924)	604.95601 (18102724)
150.0	1051.25951 (18102824)	833.53388 (18102824)	676.02305 (18102824)	558.03906 (18102824)	470.92296 (18102824)
160.0	1213.72616 (18042008)	984.55615 (18042008)	797.66250 (18042008)	638.88141 (18042008)	565.38569 (18042008)
170.0	1002.92402 (18112024)	802.91955 (18112024)	662.56670 (18112024)	546.58267 (18112024)	471.59059 (18112024)
180.0	1307.17286 (18010524)	1055.81775 (18010524)	872.53906 (18010524)	740.00004 (18010524)	630.34238 (18010524)
190.0	1078.94896 (18121808)	868.18578 (18121808)	714.18625 (18121808)	609.72337 (18121808)	522.87948 (18121808)
200.0	845.81630 (18120624)	658.64277 (18120624)	540.70989 (18120624)	450.03826 (18120624)	379.78674 (18120624)
210.0	765.98555m(18010624)	631.52581 (18012008)	495.66673 (18012008)	420.96870 (18012008)	351.85534 (18010608)
220.0	937.87843m(18010624)	721.64486m(18010624)	632.71708m(18010624)	523.32520m(18010624)	439.42762m(18010624)
230.0	900.37612 (18010924)	708.57620 (18120724)	582.42898 (18120724)	487.12037 (18120724)	421.77086

(18120724)
240.0 | 950.77583 (18112924) 758.23489 (18112924) 620.91350 (18112924) 522.38887 (18112924) 446.91391 (18112924)
250.0 | 873.22923 (18021908) 705.65103 (18021908) 582.46783 (18021908) 496.12140 (18021908) 420.19918 (18021908)
260.0 | 892.56521 (18020808) 719.90582 (18020808) 598.19901 (18020808) 511.00506 (18020808) 437.25180 (18020808)
270.0 | 915.89146 (18020808) 719.86338 (18020808) 590.97094 (18020808) 492.14364 (18020808) 415.35700 (18020808)
280.0 | 938.47517 (18113024) 762.93135 (18113024) 630.84453 (18113024) 528.49030 (18113024) 450.95732 (18113024)
290.0 | 1327.26284b(18112008) 1056.10983b(18112008) 873.54805b(18112008) 732.80708b(18112008) 624.84741b(18112008)
300.0 | 1193.76792b(18112008) 926.75407b(18112008) 757.92611b(18112008) 631.15804b(18112008) 535.94291b(18112008)
310.0 | 751.97082 (18021708) 611.73733 (18021708) 506.11636 (18021708) 434.08679 (18021708) 371.47946 (18021708)
320.0 | 867.11063 (18112408) 708.42220 (18112408) 586.22069 (18112408) 500.61971 (18112408) 430.63782 (18112408)
330.0 | 775.03135m(18123108) 630.80787m(18123108) 513.13292m(18123108) 429.84620m(18123108) 372.43499m(18123108)
340.0 | 797.05931 (18030108) 646.93182 (18030108) 543.55191 (18030108) 464.69703 (18030108) 404.11984 (18030108)
350.0 | 989.07637 (18022608) 806.33754 (18022608) 679.29107 (18022608) 582.30080 (18022608) 504.16313 (18022608)
360.0 | 1429.77826c(18123124) 1149.72413c(18123124) 944.38875c(18123124) 800.46552c(18123124) 683.23158c(18123124)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	558.21990c(18123124)	487.22805c(18123124)	430.30766c(18123124)	385.86657c(18123124)	342.21446c(18123124)
20.0	298.74444m(18011124)	266.70365m(18011124)	234.94915m(18011124)	209.19290m(18011124)	189.84957m(18011124)
30.0	551.90223c(18122924)	487.12270c(18122924)	442.32977c(18122924)	398.90511c(18122924)	356.88218c(18122924)
40.0	448.06802 (18111224)	391.75148 (18111224)	348.51290 (18111224)	314.17187 (18111224)	284.26916 (18111224)
50.0	443.89811 (18032424)	395.07684 (18032424)	353.75272 (18032424)	318.31540 (18032424)	286.20457 (18032424)
60.0	457.26616 (18032524)	400.93730 (18032524)	359.36950 (18032524)	324.09244 (18032524)	294.72425 (18032524)
70.0	382.89811 (18112424)	335.49098 (18112424)	297.17915 (18112424)	268.01213 (18112424)	242.57267 (18112424)
80.0	284.26942 (18031724)	251.21567 (18031724)	224.87928 (18031724)	202.47872 (18031724)	183.72869 (18031724)
90.0	576.45037 (18112524)	505.64522 (18112524)	456.22536 (18112524)	411.66965 (18112524)	370.20041

(18112524)
100.0 | 417.56926 (18112524) 361.42786 (18112524) 324.90443 (18112524) 286.93974 (18112524) 257.27364 (18112524)
110.0 | 363.27760 (18022324) 319.60865 (18022324) 288.86905 (18022324) 255.22027 (18022324) 233.39390 (18022324)
120.0 | 492.28997 (18101124) 416.61915 (18101124) 380.11976 (18101124) 345.06240 (18101124) 305.13102 (18101124)
130.0 | 447.81995 (18031524) 389.81239 (18031524) 342.44075 (18031524) 305.43072 (18031524) 275.69378 (18031524)
140.0 | 527.85490 (18102724) 467.58610 (18102724) 416.85999 (18102724) 378.69836 (18102724) 346.96575 (18102724)
150.0 | 415.94247 (18102924) 363.76636 (18102924) 324.18871 (18102924) 291.88343 (18102924) 266.51575 (18102924)
160.0 | 466.72894 (18042008) 413.68752 (18042008) 414.18443 (18042008) 386.77017 (18042008) 342.43227 (18042008)
170.0 | 411.10845 (18112024) 351.17306 (18112024) 308.60226 (18112024) 281.07871 (18112024) 261.13968 (18112024)
180.0 | 558.59857 (18010524) 482.52473 (18010524) 405.23331 (18010524) 364.32711 (18010524) 348.51514 (18010524)
190.0 | 462.43287 (18121808) 409.97972 (18121808) 354.59259 (18121808) 323.10967 (18121808) 258.61406 (18121808)
200.0 | 325.40705 (18120624) 283.51911 (18120624) 256.26473 (18010608) 229.00250 (18010608) 213.87890 (18010608)
210.0 | 307.59669 (18010608) 268.98306 (18010608) 236.83327 (18010608) 211.82401 (18010608) 203.43591 (18012008)
220.0 | 377.91636m(18010624) 328.58705m(18010624) 286.71231m(18010624) 256.89626m(18010624) 234.12332m(18010624)
230.0 | 365.91332 (18120724) 322.08964 (18120724) 278.34229 (18120724) 252.43471 (18120724) 219.78895 (18120724)
240.0 | 384.89093 (18112924) 336.75753 (18112924) 301.39155 (18112924) 270.10708 (18112924) 239.02588 (18112924)
250.0 | 365.56016 (18021908) 320.03955 (18021908) 285.01974 (18021908) 253.44912 (18021908) 226.82828 (18021908)
260.0 | 380.52914 (18020808) 333.11862 (18020808) 295.24144 (18020808) 262.64334 (18020808) 235.29499 (18020808)
270.0 | 356.10420 (18020808) 310.10812 (18020808) 270.07615 (18020808) 241.50814 (18020808) 214.59012 (18020808)
280.0 | 388.28567 (18113024) 347.71763 (18113024) 310.54794 (18113024) 284.99620 (18113024) 254.21659 (18113024)
290.0 | 549.39285b(18112008) 489.26930b(18112008) 437.46570b(18112008) 396.01134b(18112008) 355.02640b(18112008)
300.0 | 457.55400b(18112008) 396.59635b(18112008) 341.98869b(18112008) 308.45576b(18112008) 272.00779b(18112008)
310.0 | 327.31769 (18021708) 287.30451 (18021708) 258.62800 (18021708) 236.07220 (18021708) 204.55405 (18021708)
320.0 | 377.24028 (18112408) 335.30480 (18112408) 302.60650 (18112408) 269.58652 (18112408) 246.05301 (18112408)
330.0 | 318.46134m(18123108) 281.05609m(18123108) 249.38720m(18123108) 225.45759m(18123108) 203.81693m(18123108)
340.0 | 355.77464 (18030108) 315.80559 (18030108) 282.34928 (18030108) 254.52369 (18030108) 233.04424 (18030108)
350.0 | 442.52296 (18022608) 394.43082 (18022608) 353.07200 (18022608) 318.61107 (18022608) 289.89452 (18022608)
360.0 | 598.19783c(18123124) 529.09149c(18123124) 465.55509c(18123124) 421.05504c(18123124) 382.85010c(18123124)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	309.64925c(18123124)	284.77096c(18123124)	263.19171c(18123124)	242.76958c(18123124)	223.51452c(18123124)
20.0	172.08422m(18011124)	154.34494m(18011124)	142.57792m(18011124)	131.59323 (18120324)	122.83367 (18120324)
30.0	322.87436c(18122924)	295.30521c(18122924)	271.01592c(18122924)	249.07805c(18122924)	232.15046c(18122924)
40.0	256.11632 (18111224)	232.15393 (18111224)	214.43279 (18111224)	197.39869 (18111224)	182.40094 (18111224)
50.0	259.78292 (18032424)	237.71408 (18032424)	218.24703 (18032424)	201.52794 (18032424)	188.75828 (18032424)
60.0	267.24409 (18032524)	244.99983 (18032524)	223.61265 (18032524)	206.76180 (18032524)	193.74673 (18032524)
70.0	228.62475 (18020724)	205.26402 (18020724)	190.39786 (18020724)	175.70633 (18020724)	164.49317 (18020724)
80.0	167.33592 (18031724)	152.55039 (18031724)	139.52878 (18031724)	128.30082 (18031724)	119.44807 (18031724)
90.0	334.45352 (18112524)	302.45218 (18112524)	273.64889 (18112524)	253.02909 (18112524)	236.29530 (18112524)
100.0	232.61909 (18112524)	211.12939 (18112524)	191.60540 (18112524)	176.42779 (18112524)	161.97495 (18112524)
110.0	211.41812 (18022324)	192.34032 (18022324)	177.18370 (18022324)	163.08398 (18022324)	151.59230 (18022324)
120.0	282.09493 (18101124)	260.08458 (18101124)	237.78737 (18101124)	219.31781 (18101124)	203.58279 (18101124)
130.0	250.05008 (18031524)	229.99032 (18031524)	214.20744 (18031524)	201.82508 (18031524)	185.91464 (18031524)
140.0	316.11131 (18102724)	293.26943 (18102724)	270.91592 (18102724)	251.28560 (18102724)	232.23261 (18102724)
150.0	243.70072 (18102924)	217.38377 (18102924)	200.67094 (18102924)	185.82064 (18102924)	169.68647 (18102924)
160.0	292.93740 (18042008)	285.08277 (18042008)	264.42945 (18042008)	248.87529 (18042008)	230.89786 (18042008)
170.0	234.02440 (18112024)	212.65647 (18112024)	193.43384 (18112024)	179.87556 (18112024)	166.22330 (18112024)
180.0	322.37253 (18010524)	293.23779 (18010524)	271.61757 (18010524)	249.68509 (18010524)	235.40299 (18010524)
190.0	236.75813 (18121808)	217.91306 (18121808)	201.52205 (18121808)	206.30693 (18121808)	192.99181 (18121808)
200.0	195.42394 (18010608)	160.46910 (18120624)	146.28006 (18120624)	141.78034 (18010608)	132.91791 (18010608)
210.0	165.69523 (18010608)	152.41515 (18010608)	139.42827 (18010608)	135.72569 (18010608)	126.15609 (18010608)
220.0	220.67355 (18011008)	179.80917m(18010624)	166.06641m(18010624)	153.74299m(18010624)	148.58344m(18010624)
230.0	204.06789 (18120724)	187.81050 (18120724)	171.49161 (18120724)	155.49764 (18120724)	145.39004 (18120724)
240.0	216.50818 (18112924)	196.43465 (18112924)	172.25350 (18112924)	156.56891 (18112924)	151.69404 (18112924)
250.0	206.39364 (18021908)	187.28925 (18021908)	174.80654 (18021908)	155.66502 (18021908)	142.36736 (18021908)
260.0	214.85905 (18020808)	192.30346 (18020808)	174.25054 (18020808)	158.27193 (18020808)	149.05708

(18020808)
270.0 | 194.24351 (18020808) 175.58953 (18020808) 159.61913 (18020808) 146.79700 (18020808) 136.20475 (18031108)
280.0 | 230.42448 (18113024) 210.80294 (18113024) 190.35409 (18113024) 177.49154 (18113024) 167.53957 (18113024)
290.0 | 326.49944b(18112008) 295.89893b(18112008) 272.34404b(18112008) 251.57828b(18112008) 233.64737b(18112008)
300.0 | 243.95055b(18112008) 223.77944b(18112008) 206.03538b(18112008) 187.40462b(18112008) 172.22999b(18112008)
310.0 | 192.19231 (18021708) 175.51331 (18021708) 162.52917 (18021708) 147.31480 (18021708) 136.89870 (18021708)
320.0 | 221.98518 (18112408) 202.33335 (18112408) 189.69065 (18112408) 173.06907 (18112408) 160.75209 (18112408)
330.0 | 184.08328m(18123108) 166.37646m(18123108) 152.96259m(18123108) 141.58177m(18123108) 129.90742m(18123108)
340.0 | 212.14078 (18030108) 195.91648 (18030108) 176.63266 (18030108) 164.08599 (18030108) 154.19118 (18030108)
350.0 | 267.78869 (18022608) 245.00277 (18022608) 225.95426 (18022608) 209.09189 (18022608) 195.72991 (18022608)
360.0 | 347.81535c(18123124) 319.13322c(18123124) 290.92132c(18123124) 266.62783c(18123124) 245.02917c(18123124)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 39
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	2129.66308	(18101124)	TANK	498.87	129.50	1343.04701	(18031524)
TANK	81.43	359.00	13389.66009c	(18123124)	TANK	116.79	44.50	8558.72125	(18111224)
TANK	109.20	67.00	10324.62265	(18033024)	TANK	100.70	93.73	13234.56795	(18112524)
TANK	87.91	103.99	10659.41709c	(18071524)	TANK	99.82	123.38	9700.37164	(18101124)
TANK	138.00	141.00	8853.48490	(18102924)	TANK	106.00	180.00	10230.69573	(18010524)
TANK	115.60	206.00	7103.72982m	(18010624)	TANK	54.00	270.00	19390.83978	(18020808)
TANK	97.00	326.00	11562.63125	(18121416)	TANK	133.94	242.10	6914.90308	(18020208)
TANK	101.99	301.65	12751.09691b	(18112008)	TANK	236.54	274.95	3111.79184	(18020808)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 40
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)

(DEGREES)	100.00	200.00	300.00	400.00	500.00
10.0	9665.77281 (18122824)	4418.36704 (18122824)	2707.90571 (18122824)	1888.17379 (18122824)	1404.55624 (18122824)
20.0	8941.42388m(18011124)	3547.41516m(18011124)	2009.92255 (18031124)	1303.17070 (18120324)	954.34600 (18120324)
30.0	10348.83044m(18011124)	4087.16098 (18031124)	2436.42084 (18111324)	1681.72782 (18111324)	1253.35230 (18111324)
40.0	10533.43100m(18011124)	4239.70780m(18011124)	2348.52282m(18011124)	1507.68204m(18011124)	1054.63323m(18011124)
50.0	9611.63888 (18123024)	4140.19473 (18123024)	2444.86330 (18123024)	1653.55343 (18123024)	1207.27976 (18123024)
60.0	10098.59166c(18110524)	4408.70467 (18032524)	2659.54331 (18033024)	1749.45097 (18033024)	1225.77041 (18033024)
70.0	8939.56671 (18022624)	3828.07760 (18022624)	2277.92668 (18112424)	1573.42517 (18112424)	1131.31876 (18033024)
80.0	8519.43652 (18060216)	3194.65007c(18071524)	1918.65767c(18071524)	1287.28500c(18071524)	923.75829 (18031724)
90.0	10111.70101c(18071524)	4198.45083c(18071524)	2454.42542c(18071524)	1647.40191c(18071524)	1197.84983c(18071524)
100.0	9950.89263c(18071524)	3999.40485 (18041024)	2341.06426 (18041024)	1566.13512 (18041024)	1129.23141 (18041024)
110.0	8720.82958 (18101124)	3653.27013 (18123024)	2088.13245 (18123024)	1367.08081 (18123024)	974.87531 (18123024)
120.0	9367.87741 (18112624)	4410.45680c(18102024)	2705.69276c(18102024)	1851.24975c(18102024)	1357.27069c(18102024)
130.0	10378.84289 (18102924)	4576.22547 (18031524)	2753.39980 (18031524)	1861.75071 (18031524)	1363.71317 (18041724)
140.0	10106.26300 (18102724)	4964.39301 (18102724)	3104.91319 (18102724)	2156.08695 (18102724)	1599.40761 (18102724)
150.0	9973.16137 (18102924)	4603.16859 (18102924)	2750.24829 (18102924)	1858.96890 (18102924)	1352.99301 (18102924)
160.0	9501.15733 (18112024)	4342.92095 (18112024)	2600.43707 (18112024)	1732.81276 (18112024)	1253.25624 (18112024)
170.0	9411.36527 (18011708)	4154.37267 (18112024)	2561.63543 (18112024)	1760.94391 (18010524)	1250.60278 (18010524)
180.0	10523.99364 (18011708)	5078.12284 (18011708)	3080.09215 (18011708)	2125.93184 (18011708)	1582.62949 (18011708)
190.0	9428.20932 (18120624)	4391.85707 (18120624)	2604.88535 (18120624)	1755.01700 (18120624)	1283.19556 (18120624)
200.0	8453.62311 (18011516)	3580.79858 (18121808)	2056.83405 (18121808)	1365.58375 (18121808)	992.44019 (18010608)
210.0	8393.78327 (18012008)	3550.42122 (18012008)	2041.81523 (18012008)	1361.02007 (18012008)	984.66620 (18012008)
220.0	9388.37656 (18010924)	3961.75540 (18010924)	2295.27766 (18010924)	1536.74269 (18010924)	1123.65440 (18010924)
230.0	9451.96566 (18010924)	4051.87600 (18010924)	2343.91853 (18010924)	1555.62169 (18120724)	1142.76848 (18120724)
240.0	9818.85385 (18112924)	4187.64059 (18020208)	2400.02980 (18020208)	1609.77053 (18020208)	1148.96067 (18020208)
250.0	8606.65211 (18092808)	3629.56177 (18021908)	2123.97376 (18092808)	1444.01434 (18010824)	1076.38357 (18092808)
260.0	8374.48133 (18101824)	3617.51834 (18101824)	2121.54006 (18101824)	1414.80657 (18101824)	1019.65321 (18101824)
270.0	9263.65644 (18121608)	3619.35127 (18121608)	1996.26674 (18121608)	1300.76456 (18121608)	940.27967 (18031108)
280.0	9219.18147b(18112008)	3837.55069b(18112008)	2142.85350b(18112008)	1429.83042b(18112008)	1013.40953 (18011108)
290.0	11189.36356c(18123008)	4888.43225c(18123008)	2900.92426c(18123008)	1963.77050c(18123008)	1424.67729c(18123008)
300.0	10654.46155c(18123008)	4460.55918c(18123008)	2534.01681c(18123008)	1667.08785c(18123008)	

1195.91981c(18123008)
310.0 | 8186.77727 (18092524) 3211.78973 (18092524) 1913.47352b(18112008) 1182.60199b(18112008) 855.04086 (18111424)
320.0 | 8146.11129 (18111424) 3411.34239 (18111424) 2054.95674m(18123108) 1440.34839m(18123108) 1079.94567m(18123108)
330.0 | 7751.29174 (18063024) 3324.56396m(18123108) 1982.43067m(18123108) 1355.76302 (18112408) 994.30363 (18112408)
340.0 | 7659.90234 (18020624) 3049.45371 (18030108) 1911.52374 (18030108) 1340.76135 (18030108) 984.78208 (18020624)
350.0 | 6613.55946 (18020624) 2781.58145c(18123124) 1668.46635c(18123124) 1131.94413c(18123124) 833.33157c(18123124)
360.0 | 8720.01807 (18121524) 3771.29089 (18121524) 2239.89025 (18121524) 1515.48200 (18121524) 1114.58434 (18121524)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	1103.16376 (18122824)	895.96723 (18122824)	745.34656 (18122824)	624.56462 (18122824)	538.68924 (18122824)
20.0	734.79145 (18120324)	590.80394 (18120324)	483.26918 (18120324)	406.61734 (18120324)	345.98575 (18120324)
30.0	985.07954 (18111324)	798.60817 (18111324)	664.32516 (18111324)	559.71586 (18111324)	484.64351 (18111324)
40.0	787.02289m(18011124)	642.07411 (18032924)	533.95707 (18032924)	450.09160 (18032924)	389.71958 (18032924)
50.0	933.29273 (18123024)	760.09319 (18111224)	621.81508 (18111224)	517.38478 (18111224)	439.19222 (18111224)
60.0	948.46056 (18022824)	761.79625 (18022824)	614.98670 (18022824)	519.60065 (18022824)	457.81825 (18022824)
70.0	847.02407 (18020724)	687.04690 (18033024)	556.94392 (18033024)	496.15921 (18020724)	424.12665 (18020724)
80.0	709.01338 (18031724)	557.86842 (18031724)	452.03941c(18071524)	378.31169c(18071524)	319.78209c(18071524)
90.0	922.56866c(18071524)	713.61040c(18071524)	603.91032c(18071524)	513.30791c(18071524)	445.76278c(18071524)
100.0	870.61718 (18041024)	672.00990 (18041024)	571.28232 (18041024)	482.69379 (18041024)	414.85094 (18041024)
110.0	740.07330 (18123024)	574.86565 (18123024)	483.73105 (18123024)	407.71686 (18123024)	349.65861 (18123024)
120.0	1041.77862c(18102024)	818.90741c(18102024)	682.43568c(18102024)	570.02468c(18102024)	496.88815c(18102024)
130.0	1036.96398 (18041724)	807.15626 (18041724)	674.12025 (18041724)	576.51189 (18041724)	493.49991 (18041724)
140.0	1251.41351 (18102724)	956.69247 (18102724)	771.57226 (18102724)	653.17426 (18102724)	593.80794 (18102924)
150.0	1037.72800 (18102924)	827.23137 (18102924)	675.40424 (18102924)	539.69889 (18102924)	465.60597 (18102924)
160.0	952.30855 (18112024)	761.85602 (18112024)	621.35623 (18112024)	506.11055 (18112024)	431.14683

(18112024)
170.0 | 936.71609 (18010524) 750.25192 (18010524) 614.69699 (18120408) 507.28309 (18120408) 435.95710 (18120408)
180.0 | 1243.63747 (18011708) 1005.22271 (18011708) 828.99638 (18011708) 701.13038 (18011708) 592.52024 (18011708)
190.0 | 990.86994 (18120624) 788.13607 (18120624) 650.19791 (18120624) 545.37437 (18120624) 467.99562 (18120624)
200.0 | 777.89659 (18010608) 629.69520 (18010608) 515.90662 (18010608) 430.35952 (18010608) 366.24232 (18010608)
210.0 | 756.02943 (18012008) 604.66491m(18010624) 492.55940m(18010624) 417.00764 (18010608) 348.79110 (18012008)
220.0 | 848.68420 (18010924) 708.99634 (18010924) 590.96846 (18010924) 474.49511 (18010924) 405.26896 (18010924)
230.0 | 889.28890 (18120724) 707.59370 (18010924) 576.68968 (18010924) 481.13041 (18010924) 412.88445 (18010924)
240.0 | 896.40815 (18020208) 702.63744 (18020208) 569.23497 (18120724) 480.16740 (18120724) 410.00887 (18020208)
250.0 | 840.11595 (18010824) 683.27778 (18010824) 563.41312 (18010824) 479.73583 (18010824) 407.10183 (18010824)
260.0 | 780.10641 (18101824) 625.04144 (18101824) 509.06416 (18101824) 417.98812 (18101824) 360.18633 (18101824)
270.0 | 740.63410 (18031108) 594.27010 (18031108) 492.29388 (18031108) 413.52229 (18031108) 351.40243 (18031108)
280.0 | 786.37203 (18011108) 630.79726 (18011108) 524.53307 (18011108) 443.02175 (18011108) 384.30710 (18011108)
290.0 | 1105.21013c(18123008) 868.08285c(18123008) 708.97441c(18123008) 602.40985c(18123008) 512.22327c(18123008)
300.0 | 906.29861c(18123008) 725.03527c(18123008) 578.38342c(18123008) 486.03165c(18123008) 409.94054c(18123008)
310.0 | 653.04891 (18111424) 526.01963 (18111424) 437.12142 (18111424) 362.48524 (18111424) 308.09700 (18111424)
320.0 | 844.78151m(18123108) 687.13022m(18123108) 576.78681m(18123108) 494.24966m(18123108) 426.17763m(18123108)
330.0 | 762.46325 (18112408) 610.31472 (18112408) 493.83310 (18112408) 413.38896 (18112408) 347.44275 (18112408)
340.0 | 771.04773 (18020624) 612.87099 (18020624) 522.24586 (18020624) 440.90892 (18020624) 383.12939 (18020624)
350.0 | 630.13836c(18123124) 490.14188c(18123124) 392.42224c(18123124) 328.59903 (18121508) 282.05836 (18121508)
360.0 | 862.98998 (18121524) 691.56375 (18121524) 570.41987 (18121524) 477.60348 (18121524) 410.19613 (18121524)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	466.06336 (18122824)	411.87120 (18122824)	368.11085 (18122824)	326.05787 (18122824)	294.13206 (18122824)
20.0	298.14341 (18120324)	260.17857 (18120324)	232.41429 (18120324)	208.00348 (18120324)	187.78303

(18120324)
30.0 | 423.40608 (18111324) 373.42855 (18111324) 336.46206 (18111324) 303.82116 (18111324) 272.82471 (18111324)
40.0 | 328.76735 (18032924) 288.28013 (18032924) 257.78607 (18032924) 230.86501 (18032924) 209.65793 (18032924)
50.0 | 382.12547 (18111224) 341.07608 (18111224) 300.07940 (18123024) 267.28160 (18123024) 245.73245 (18123024)
60.0 | 396.99957 (18022824) 349.22687 (18022824) 314.96711 (18022824) 281.77737 (18022824) 255.76919 (18022824)
70.0 | 373.29179 (18020724) 330.28759 (18020724) 295.16423 (18020724) 266.60208 (18020724) 242.42599 (18020724)
80.0 | 273.27398c(18071524) 236.51806c(18071524) 209.50346c(18071524) 188.10727c(18071524) 170.64083c(18071524)
90.0 | 384.80288c(18071524) 338.98836c(18071524) 304.65116c(18071524) 276.40805c(18071524) 249.71250c(18071524)
100.0 | 358.56745 (18041024) 312.51599 (18041024) 287.00322 (18041024) 259.35158 (18041024) 234.42176 (18041024)
110.0 | 293.40616 (18123024) 259.71002 (18123024) 229.14444 (18123024) 206.82606 (18123024) 186.02444 (18123024)
120.0 | 422.10045c(18102024) 378.11916c(18102024) 331.18175c(18102024) 300.36501c(18102024) 268.50547c(18102024)
130.0 | 430.22043 (18041924) 372.85942 (18041724) 328.43209 (18041724) 291.92898 (18031424) 264.29583 (18041924)
140.0 | 516.47139 (18102924) 443.08699 (18102924) 391.72260 (18102924) 353.37856 (18010424) 324.61906 (18010424)
150.0 | 413.70327 (18102824) 360.72837 (18102824) 317.30347 (18102824) 280.61907 (18102824) 257.94926 (18102824)
160.0 | 366.63019 (18112024) 321.79433 (18112024) 291.01121 (18102824) 261.33003 (18112024) 235.05616 (18112024)
170.0 | 376.87704 (18120408) 319.44279 (18010524) 284.85458 (18120408) 257.53300 (18120408) 233.97509 (18120408)
180.0 | 530.49910 (18011708) 451.45904 (18011708) 378.17240 (18011708) 339.15078 (18011708) 332.72771 (18011708)
190.0 | 406.62497 (18120624) 362.26804 (18120624) 313.99414 (18120624) 283.67347 (18120624) 236.58055 (18120624)
200.0 | 320.70253 (18010608) 281.88464 (18010608) 250.23315 (18120624) 219.46797 (18120624) 192.75947 (18032308)
210.0 | 304.96879 (18012008) 266.17440 (18012008) 235.30480 (18012008) 209.91988 (18012008) 199.27127 (18010608)
220.0 | 343.96407 (18010924) 295.73163 (18010924) 261.50767 (18010924) 239.52263 (18011008) 218.33426 (18011008)
230.0 | 362.52795 (18010924) 316.57739 (18010924) 273.00881 (18010924) 245.86691 (18010924) 214.73033 (18010924)
240.0 | 356.10211 (18102224) 310.16392 (18102224) 277.93355 (18102224) 249.17807 (18102224) 218.74338 (18102224)
250.0 | 355.58729 (18010824) 312.19238 (18010824) 279.35105 (18010824) 251.34536 (18010824) 225.65874 (18010824)
260.0 | 311.89295 (18101824) 270.58778 (18101824) 238.84622 (18101824) 213.49077 (18010824) 191.29172 (18010824)
270.0 | 310.67506 (18031108) 275.14879 (18031108) 248.56811 (18031108) 226.10579 (18031108) 204.09193 (18031108)
280.0 | 332.64388 (18011108) 293.37304 (18091108) 270.16116 (18091108) 248.04752 (18091108) 231.33818 (18091108)
290.0 | 444.00652c(18123008) 385.87780c(18123008) 345.13156c(18123008) 302.83935c(18123008) 271.90238c(18123008)
300.0 | 360.41165c(18123008) 315.38058c(18123008) 275.36105c(18123008) 247.07068 (18092524) 223.24935 (18092524)
310.0 | 267.65818 (18111424) 237.20458 (18111424) 216.68247 (18082108) 195.13017 (18082108) 172.67595 (18082108)
320.0 | 373.98669m(18123108) 334.89154m(18123108) 298.84304m(18123108) 268.92050m(18123108) 243.34869m(18123108)
330.0 | 302.40572 (18112408) 267.87135 (18112408) 233.61075 (18112408) 206.44381 (18112408) 188.21120

(18112408)
340.0 | 333.59670 (18020624) 290.57799 (18020624) 259.31066 (18020624) 236.45368 (18020624) 212.60667 (18020624)
350.0 | 248.64817 (18121508) 221.04453 (18121508) 196.51747 (18121508) 174.35963 (18121508) 154.51764 (18121508)
360.0 | 356.72333 (18121524) 315.12191 (18121524) 281.69926 (18121524) 253.71503 (18121524) 230.47891 (18121524)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	268.93037 (18122824)	247.16923 (18122824)	226.32092 (18122824)	208.71058 (18122824)	193.16520 (18122824)
20.0	170.38370 (18120324)	154.07851 (18120324)	142.14574 (18120324)	130.48806m(18011124)	122.32369m(18011124)
30.0	247.67553 (18111324)	227.50989 (18111324)	209.46058 (18111324)	193.03928 (18111324)	179.79948 (18111324)
40.0	191.22640 (18032924)	174.95740 (18032924)	161.60709 (18032924)	149.01314 (18032924)	138.65009 (18032924)
50.0	221.62921 (18123024)	200.61467 (18080824)	183.91874 (18080824)	169.57168 (18080824)	158.64395 (18080824)
60.0	233.93009 (18022824)	214.09900 (18022824)	197.38693 (18022824)	181.43626 (18022824)	168.52483 (18022824)
70.0	217.40533 (18112424)	199.54378 (18112424)	182.08977 (18112424)	168.51301 (18112424)	159.44893 (18112424)
80.0	156.02633c(18071524)	142.80023c(18071524)	129.50444c(18071524)	115.88138c(18071524)	105.62851c(18071524)
90.0	225.74664c(18071524)	204.30318c(18071524)	187.18429c(18071524)	171.14367c(18071524)	160.11239c(18071524)
100.0	212.31377 (18041024)	193.21748 (18041024)	179.26891 (18041024)	163.32576 (18041024)	153.00889 (18041024)
110.0	168.92356 (18123024)	153.87346 (18123024)	141.51917 (18123024)	129.55570 (18123024)	119.19939 (18123024)
120.0	242.93564c(18102024)	221.98959c(18102024)	206.86189c(18102024)	188.47077c(18102024)	169.34087c(18102024)
130.0	243.26803 (18031424)	226.27336 (18031424)	210.42516 (18031424)	197.83357 (18031424)	182.48126 (18031424)
140.0	296.39724 (18010424)	274.46122 (18010424)	253.34307 (18010424)	237.54579 (18010424)	220.03099 (18010424)
150.0	232.61229 (18102824)	212.32535 (18102824)	192.82013 (18102824)	176.41701 (18102824)	161.12470 (18102824)
160.0	207.92813 (18102824)	190.63059 (18112024)	176.33181 (18112024)	162.10208 (18112024)	148.45944 (18102824)
170.0	209.67966 (18120408)	194.73070 (18120408)	181.38426 (18120408)	162.98446 (18120408)	152.34567 (18120408)
180.0	308.40108 (18011708)	279.73314 (18011708)	259.81946 (18011708)	240.69598 (18011708)	225.89658 (18011708)
190.0	215.03928 (18120624)	197.85926 (18120624)	182.43547 (18120624)	179.38214 (18120624)	166.71295

(18120624)
200.0 | 177.40075 (18120624) 156.01688 (18010608) 144.20505 (18010608) 133.25931 (18120624) 120.17461 (18120624)
210.0 | 157.05502 (18012008) 144.05643 (18012008) 133.21304 (18012008) 135.09240 (18012008) 124.82114 (18012008)
220.0 | 220.47095m(18010624) 164.61304 (18010924) 148.58220 (18010924) 137.98253 (18010924) 138.37684 (18011008)
230.0 | 197.12519 (18010924) 179.16511 (18010924) 163.22675 (18010924) 148.03674 (18010924) 138.70115 (18010924)
240.0 | 199.97789 (18102224) 181.51239 (18102224) 159.54579 (18102224) 142.83315 (18102224) 140.01210 (18102224)
250.0 | 203.54780 (18010824) 184.47612 (18010824) 171.32830 (18010824) 153.84075 (18010824) 139.80047 (18010824)
260.0 | 171.67191 (18010824) 156.05745 (18010824) 142.06976 (18010824) 130.06419 (18010824) 118.67663 (18010824)
270.0 | 185.27607 (18031108) 169.22354 (18031108) 155.02016 (18031108) 145.04164 (18031108) 134.51012 (18020808)
280.0 | 208.59816 (18091108) 188.25251 (18091108) 173.54251 (18091108) 162.18448 (18091108) 153.19280 (18091108)
290.0 | 250.80608c(18123008) 227.22757c(18123008) 202.15392c(18123008) 189.87363c(18123008) 175.06720c(18123008)
300.0 | 201.38432c(18123008) 183.44917 (18092524) 168.86527 (18092524) 156.68561 (18092524) 148.45089 (18092524)
310.0 | 158.11924 (18082108) 143.18827 (18082108) 132.49159 (18082108) 120.34626 (18082108) 112.14667 (18082108)
320.0 | 221.40834m(18123108) 202.13884m(18123108) 188.75641m(18123108) 171.28016m(18123108) 159.00156m(18123108)
330.0 | 168.77450 (18112408) 150.97683 (18112408) 140.52661 (18112408) 131.63601 (18112408) 117.43148 (18112408)
340.0 | 191.20996 (18020624) 175.91601 (18020624) 158.70679 (18020624) 143.85939 (18020624) 135.37883 (18020624)
350.0 | 142.28629 (18121508) 130.75148 (18121508) 121.32991 (18121508) 112.68241 (18121508) 104.09736 (18121508)
360.0 | 209.77563 (18121524) 192.16500 (18121524) 176.53538 (18121524) 162.63659 (18121524) 150.52045 (18121524)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK :	375.70	118.90	1986.04878c	(18102024)	TANK :	498.87	129.50	1332.30130	(18041724)
TANK :	81.43	359.00	10286.26435	(18121524)	TANK :	116.79	44.50	8164.07705m	(18011124)
TANK :	109.20	67.00	8602.20517	(18022624)	TANK :	100.70	93.73	10328.37139c	(18071524)
TANK :	87.91	103.99	10398.77297	(18041024)	TANK :	99.82	123.38	9479.39956	(18112624)
TANK :	138.00	141.00	7240.41334	(18102724)	TANK :	106.00	180.00	9987.23481	(18011708)
TANK :	115.60	206.00	6667.62998	(18012008)	TANK :	54.00	270.00	19362.32687	(18051216)
TANK :	97.00	326.00	8125.75456	(18112408)	TANK :	133.94	242.10	6784.19273	(18112924)
TANK :	101.99	301.65	9980.45301c	(18123008)	TANK :	236.54	274.95	2978.02724	(18121608)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	8928.74447 (18120324)	3964.79246 (18012224)	2448.97452 (18012224)	1721.94466 (18012224)	1288.85778 (18012224)
20.0	8194.72337 (18062824)	3272.23205 (18120324)	1931.79348 (18120324)	1301.61464 (18031124)	924.96145 (18031124)
30.0	9403.55035 (18031124)	4071.85439m(18011124)	2428.31475 (18031124)	1650.53116 (18031124)	1205.94537 (18031124)
40.0	10528.22194 (18111224)	4230.70512c(18122924)	2280.31283c(18122924)	1434.04617c(18122924)	994.62600c(18122924)
50.0	9545.66438 (18080824)	3962.31755 (18080824)	2357.70782 (18111224)	1641.65993 (18111224)	1198.38081 (18111224)
60.0	9745.27612 (18032524)	4010.05161 (18112424)	2398.80059 (18022824)	1655.96880 (18022824)	1209.87044 (18022824)
70.0	8607.00059 (18091516)	3683.12168 (18112424)	2244.27749 (18022624)	1500.70542 (18022624)	1076.24077 (18020724)
80.0	8211.29436 (18061124)	3134.18362 (18031724)	1883.02040 (18031724)	1269.38397 (18031724)	876.72671 (18112524)
90.0	8736.90877 (18112516)	3289.96595 (18041024)	1902.19171 (18041024)	1262.26265 (18041024)	906.59972 (18041024)
100.0	9235.08026 (18041024)	3667.70093c(18071524)	1921.07155c(18071524)	1225.68232 (18120924)	872.44808 (18120924)
110.0	8601.37857 (18123024)	3604.70583 (18101124)	2017.58306 (18101124)	1321.32533 (18101124)	923.49154 (18101124)
120.0	9150.97695c(18102024)	4295.52867 (18112624)	2562.36130 (18112624)	1723.46647 (18112624)	1235.44654 (18112624)
130.0	10156.65627 (18031324)	4470.36463 (18031324)	2681.26330 (18101224)	1814.84712 (18101224)	1328.09237 (18101224)
140.0	9352.03169 (18011316)	4548.07069 (18010424)	2842.85348 (18010424)	1971.07156 (18010424)	1461.43094 (18010424)
150.0	9880.91187 (18102824)	4243.00252 (18042008)	2298.29107b(18121724)	1535.11104b(18121724)	1116.40183b(18121724)
160.0	8244.91230 (18112824)	3961.87033 (18102824)	2433.02676 (18102824)	1645.84178 (18102824)	1199.66573 (18102824)
170.0	9134.67996 (18030216)	4152.12921 (18011708)	2385.64638 (18120408)	1623.86400 (18120408)	1196.15762 (18120408)
180.0	9604.30633 (18030216)	4557.95138 (18111724)	2817.34795 (18111724)	1930.37628 (18111724)	1430.44080 (18111724)
190.0	8924.74796 (18010516)	3568.06288 (18122524)	2138.25540 (18122524)	1450.14995 (18122524)	1070.72941 (18122524)
200.0	7895.34393 (18011816)	3263.90479 (18010608)	1972.99884 (18010608)	1347.73999 (18010608)	978.15598 (18121808)
210.0	7230.76568 (18010924)	3163.84415 (18011008)	1902.87223 (18010608)	1302.45316 (18010608)	963.62434 (18010608)
220.0	8424.46245 (18012008)	3588.69309 (18012008)	2074.05578 (18012008)	1407.34692 (18011008)	1039.31275 (18011008)
230.0	8933.44531 (18020208)	3876.67130 (18120724)	2298.91962 (18120724)	1531.36169 (18112924)	

1084.35776 (18112924)
240.0 | 8961.09215 (18102224) 3996.16384 (18120724) 2337.95332 (18120724) 1555.93702 (18120724)
1141.77055 (18120724)
250.0 | 8331.99282 (18012124) 3500.50754 (18101824) 2094.47923 (18010824) 1431.33807 (18092808)
1070.75370 (18010824)
260.0 | 8052.26935 (18100816) 3425.23673 (18010824) 2028.24125 (18010824) 1346.30322 (18010824)
992.17364 (18010824)
270.0 | 8679.90077 (18021608) 3465.54579 (18021608) 1925.22478 (18021608) 1282.18625 (18031108)
913.38433 (18121608)
280.0 | 8639.77147 (18113024) 3814.51564 (18121608) 2067.75571c(18123008) 1388.60406c(18123008)
1002.51121c(18123008)
290.0 | 10756.48246 (18030608) 4624.69914 (18030608) 2710.53423 (18030608) 1812.24004 (18113024)
1323.82270 (18030608)
300.0 | 10423.27360 (18030608) 4233.10192 (18030608) 2350.65404 (18030608) 1532.35812 (18030608)
1111.77009 (18092524)
310.0 | 7673.66731 (18113024) 3149.74324 (18021708) 1823.79923 (18092524) 1182.25245 (18092524) 851.45063
(18092524)
320.0 | 7385.56006 (18112408) 3313.34834m(18123108) 1976.64528 (18111424) 1329.34916 (18111424)
965.23238 (18111424)
330.0 | 7597.28018 (18112408) 3118.49802 (18121416) 1693.40261 (18020624) 1138.64789 (18020624) 838.10151
(18020624)
340.0 | 7381.03537 (18121416) 2986.69492 (18051724) 1735.10434 (18022608) 1171.80953 (18022608)
864.97929 (18022608)
350.0 | 6143.65638 (18120824) 2712.17198 (18120824) 1589.90107 (18120824) 1063.96135 (18120824)
774.30244 (18120824)
360.0 | 7425.41261 (18053024) 3282.63347 (18122824) 2030.50795 (18122824) 1391.28453 (18122824)
1035.32763 (18122824)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
PAGE 46
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 600.00 700.00 800.00 900.00 1000.00

10.0 | 1019.52438 (18012224) 830.92698 (18012224) 692.30532 (18012224) 591.31935 (18012224) 509.82357
(18012224)
20.0 | 690.35186 (18031124) 545.49500 (18031124) 436.77879 (18031124) 361.66667 (18031124) 302.17656
(18031124)
30.0 | 939.09009 (18031124) 757.37758 (18031124) 617.52720 (18031124) 515.02506 (18031124) 442.74015
(18031124)
40.0 | 779.80221 (18032924) 628.38977 (18042324) 519.15544 (18042324) 436.42797 (18042324) 372.40866
(18042324)
50.0 | 929.96205 (18111224) 734.56996 (18123024) 596.27810 (18123024) 487.40793 (18123024) 417.61076
(18123024)
60.0 | 935.11452 (18033024) 734.42080 (18033024) 590.52923 (18033024) 487.34952 (18033024) 403.69145
(18112424)
70.0 | 833.35433 (18033024) 659.84425 (18022624) 533.55731 (18022624) 463.91730 (18033024) 400.37069
(18033024)
80.0 | 660.19231c(18040624) 516.02631c(18040624) 423.14985c(18040624) 348.14974c(18040624)
291.28519c(18040624)
90.0 | 680.32239 (18041024) 537.21173 (18041024) 419.18650 (18041024) 348.56083 (18041024) 292.87823

(18062224)
100.0 | 668.11205 (18120924) 511.48665 (18120924) 437.07371 (18120924) 364.78408 (18120924) 310.81632 (18120924)
110.0 | 687.34524 (18101124) 541.87326c(18102024) 444.57951 (18091508) 374.89955 (18091508) 323.01595 (18091508)
120.0 | 951.41091 (18112624) 747.36037 (18112624) 602.23064 (18112624) 474.65239 (18112624) 412.73022 (18112624)
130.0 | 1013.76248 (18041924) 792.15509 (18101224) 667.40256 (18041924) 574.93999 (18041924) 492.88755 (18041924)
140.0 | 1146.11582 (18010424) 871.93208 (18010424) 705.07594 (18010424) 597.65763 (18010424) 559.82595 (18010424)
150.0 | 860.63206b(18121724) 676.51281b(18121724) 542.19011b(18121724) 453.95105b(18121724) 383.33328b(18121724)
160.0 | 918.87882 (18102824) 739.66893 (18102824) 606.13588 (18102824) 492.55731 (18102824) 426.62499 (18102824)
170.0 | 921.72839 (18120408) 738.61709 (18120408) 605.07737 (18010524) 474.70242 (18010524) 426.05141 (18010524)
180.0 | 1110.31417 (18111724) 893.43563 (18111724) 730.94002 (18111724) 623.21170 (18111724) 530.92788 (18111724)
190.0 | 831.01004 (18122524) 667.63350 (18122524) 549.04981 (18122524) 464.98822 (18122524) 398.41657 (18122524)
200.0 | 727.34731 (18121808) 580.62765 (18121808) 471.33674 (18121808) 392.01642 (18121808) 331.17400 (18121808)
210.0 | 747.98988 (18010608) 602.75761 (18010608) 491.59656 (18010608) 407.14414m(18010624) 342.64632m(18010624)
220.0 | 802.37309 (18011008) 688.20909 (18011008) 587.71832 (18011008) 463.17350 (18011008) 396.58837 (18011008)
230.0 | 821.63841 (18112924) 644.86362 (18112924) 515.41745 (18112924) 426.37647 (18112924) 358.32728 (18112924)
240.0 | 879.65661 (18102224) 699.00583 (18102224) 567.34880 (18102224) 477.86358 (18020208) 408.34453 (18102224)
250.0 | 829.38071 (18092808) 673.27472 (18092808) 557.28956 (18092808) 474.42231 (18092808) 397.82972 (18092808)
260.0 | 753.38935 (18010824) 611.03721 (18010824) 498.25792 (18010824) 416.09349 (18010824) 356.78924 (18010824)
270.0 | 702.50452 (18103124) 565.61623 (18121324) 471.14121 (18121324) 396.58233 (18121324) 337.83560 (18121324)
280.0 | 760.96074c(18123008) 619.05066 (18091108) 512.20130 (18091108) 429.93422 (18091108) 372.67451 (18091108)
290.0 | 1017.67802 (18113024) 813.04014 (18113024) 662.91601 (18113024) 557.97502 (18113024) 474.84866 (18113024)
300.0 | 849.61726 (18092524) 674.58912 (18092524) 555.99137 (18092524) 473.59959 (18092524) 406.41150 (18092524)
310.0 | 634.28961 (18092524) 505.21866 (18092524) 419.10163 (18082108) 359.53252 (18082108) 307.98442 (18082108)
320.0 | 747.40145 (18111424) 598.08102 (18111424) 493.91603c(18022508) 423.90839c(18022508) 365.04077c(18022508)
330.0 | 638.15031 (18020624) 511.61519 (18020624) 417.94003 (18020624) 349.50272 (18020624) 299.29701 (18020624)
340.0 | 656.78463 (18022608) 514.38281 (18022608) 412.88980 (18010108) 346.21548 (18010108) 299.50265 (18010108)
350.0 | 588.49444 (18120824) 471.36077 (18030108) 390.78815 (18121508) 317.24070 (18120824) 266.93699 (18120824)
360.0 | 807.45079 (18122824) 647.49741 (18122824) 518.74036 (18122824) 428.65965 (18122824) 363.37299 (18122824)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	445.23294 (18012224)	394.56124 (18012224)	353.30054 (18012224)	319.34338 (18012224)	291.03177 (18012224)
20.0	254.21281 (18031124)	219.83886 (18031124)	192.91805 (18031124)	173.22763 (18031124)	154.01986 (18031124)
30.0	381.09144 (18031124)	334.81133 (18031124)	294.74592 (18031124)	260.03460 (18031124)	233.63099 (18031124)
40.0	315.01118 (18042324)	277.58052 (18042324)	245.14655 (18042324)	218.56851 (18042324)	197.86859 (18042324)
50.0	376.02013 (18123024)	336.01148 (18123024)	299.79188 (18111224)	266.47614 (18111224)	240.63901 (18080824)
60.0	346.03955 (18022624)	302.90489 (18022624)	269.06150 (18022624)	240.17038 (18112424)	218.29924 (18022624)
70.0	347.01658 (18033024)	305.18978 (18033024)	271.69302 (18033024)	243.43732 (18033024)	220.19194 (18033024)
80.0	245.06278c(18040624)	208.33918c(18040624)	185.85910c(18040624)	166.97134c(18040624)	151.31574c(18040624)
90.0	253.16833 (18062224)	220.00723 (18062224)	196.67513 (18062224)	176.88059 (18062224)	158.07720 (18062224)
100.0	268.27883 (18120924)	236.08563 (18120924)	213.42420 (18120924)	191.72692 (18120924)	172.51649 (18120924)
110.0	269.67538 (18091508)	241.04170 (18091508)	211.22550 (18091508)	189.40978 (18091508)	165.33205 (18091508)
120.0	348.74640 (18112624)	317.19491 (18112624)	273.23752 (18112624)	242.36388 (18112624)	216.33354 (18112624)
130.0	426.08571 (18041724)	372.67165 (18041924)	326.78806 (18031424)	291.52094 (18041924)	264.22762 (18031424)
140.0	490.90981 (18010424)	436.57961 (18010424)	388.81063 (18010424)	351.93725 (18102924)	318.27088 (18102924)
150.0	338.13167 (18110724)	295.90430 (18110724)	263.58817 (18110724)	237.65438 (18110724)	224.54849 (18110724)
160.0	357.60401 (18102824)	316.68243 (18102824)	289.82471 (18112024)	261.18324 (18102824)	234.68664 (18102824)
170.0	365.98853 (18010524)	317.98740 (18120408)	281.41036 (18010524)	249.20264 (18010524)	225.51059 (18120424)
180.0	459.51509 (18111724)	401.26113 (18111724)	340.77415 (18111724)	307.25809 (18111724)	290.38869 (18111724)
190.0	349.57865 (18122524)	309.75203 (18122524)	269.88703 (18122524)	244.84751 (18122524)	200.52893 (18122524)
200.0	283.12481 (18121808)	246.26620 (18032308)	223.36366 (18032308)	201.48984 (18032308)	185.45384 (18120624)
210.0	292.80924m(18010624)	253.02429m(18010624)	227.35683m(18010624)	202.50220m(18010624)	182.36591m(18010624)
220.0	338.12768 (18011008)	291.57961 (18011008)	258.11392 (18011008)	236.54607 (18010924)	215.28657 (18010924)
230.0	306.02228 (18020208)	266.31331 (18112924)	231.32698 (18020208)	208.40579 (18112924)	182.12553 (18020208)
240.0	355.01817 (18020208)	306.63060 (18020208)	271.55866 (18120724)	242.66012 (18120724)	213.54361 (18120724)
250.0	346.18693 (18092808)	302.45048 (18092808)	270.35444 (18092808)	243.29525 (18092808)	218.62141 (18092808)
260.0	306.33757 (18010824)	267.56443 (18010824)	238.56279 (18010824)	212.95445 (18101824)	190.46260

(18101824)
270.0 | 291.89512 (18121324) 257.96747 (18121324) 232.08574 (18121324) 210.39255 (18121324) 188.34389 (18121324)
280.0 | 320.77985 (18091108) 291.43059 (18011108) 263.38783 (18011108) 235.64139 (18011108) 213.88998 (18011108)
290.0 | 414.55356 (18113024) 366.61238 (18113024) 326.12857 (18030608) 293.39527 (18113024) 265.15134 (18113024)
300.0 | 353.02474 (18092524) 308.23831 (18092524) 273.73312 (18092524) 244.63979c(18123008) 223.08094c(18123008)
310.0 | 266.76569 (18082108) 236.87699 (18082108) 209.26157 (18111424) 190.16668 (18111424) 165.74933 (18111424)
320.0 | 320.43681c(18022508) 290.58433c(18022508) 262.13983c(18022508) 237.48523c(18022508) 215.75352c(18022508)
330.0 | 257.46086c(18110524) 224.97695 (18020624) 200.77725 (18020624) 183.39705c(18110524) 167.08632c(18110524)
340.0 | 262.53516 (18010108) 232.52371 (18010108) 205.55219 (18010108) 184.32396 (18010108) 168.65380 (18010108)
350.0 | 227.93966 (18120824) 199.96889m(18011124) 178.45801m(18011124) 160.30003m(18011124) 143.33065m(18011124)
360.0 | 318.39195 (18122824) 280.27593 (18122824) 247.92918 (18120224) 223.59781 (18120224) 203.17297 (18120224)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	266.86358 (18012224)	245.17839 (18012224)	225.85427 (18012224)	208.39474 (18012224)	192.32251 (18012224)
20.0	137.63531 (18031124)	126.87184 (18031124)	114.27736 (18072624)	104.34591 (18031124)	97.55723 (18091024)
30.0	212.55104 (18031124)	193.93688 (18031124)	176.73046 (18031124)	163.05238 (18031124)	151.95135 (18031124)
40.0	180.36710 (18042324)	165.29144 (18042324)	152.19955 (18042324)	139.83108 (18042324)	128.51507 (18042324)
50.0	217.95070 (18080824)	199.12469 (18111224)	182.61948 (18111224)	167.76728 (18111224)	157.65653 (18123024)
60.0	197.74987 (18022624)	181.65778 (18022624)	165.98873 (18022624)	153.13224 (18022624)	142.09879 (18022624)
70.0	203.05807 (18033024)	183.48217 (18033024)	169.50967 (18033024)	156.41293 (18033024)	146.50856 (18033024)
80.0	138.13536c(18040624)	126.47581c(18040624)	114.62800c(18040624)	101.86567c(18040624)	92.38451c(18040624)
90.0	142.19039 (18062224)	129.17944 (18062224)	117.86056 (18062224)	108.92676 (18062224)	101.43053 (18062224)
100.0	156.03243 (18041908)	142.81976 (18041908)	132.68941 (18041908)	120.22812 (18120924)	113.47619 (18041908)
110.0	152.09840 (18091508)	138.73905 (18091508)	126.39017 (18091508)	115.76895 (18091508)	104.95282 (18091508)
120.0	198.17932 (18112624)	179.81402 (18091424)	166.56154 (18091424)	153.15841 (18091424)	142.07077

(18091424)
130.0 | 242.25703 (18041924) 224.07906 (18041924) 208.97561 (18041924) 192.00108 (18041924) 176.86104 (18041924)
140.0 | 285.86612 (18102924) 266.59141 (18102924) 241.57505 (18031624) 226.79398 (18031624) 209.96640 (18031624)
150.0 | 209.57425 (18110724) 184.50530 (18110724) 171.82068 (18110724) 160.32936 (18110724) 149.61101 (18110724)
160.0 | 206.28098 (18112024) 189.52979 (18102824) 174.17605 (18102824) 160.45301 (18102824) 148.10942 (18112024)
170.0 | 203.13252 (18120424) 186.67068 (18120424) 173.64009 (18120424) 161.44110 (18120424) 149.37635 (18120424)
180.0 | 262.10333 (18111724) 238.43193 (18111724) 221.54748 (18111724) 203.52313 (18111724) 189.59413 (18111724)
190.0 | 182.96587 (18122524) 167.73770 (18122524) 154.96796 (18122524) 157.48484 (18122524) 147.32494 (18122524)
200.0 | 173.44656 (18032308) 138.53833 (18121808) 127.98728 (18121808) 125.13909 (18032308) 117.11771 (18032308)
210.0 | 155.50961m(18010624) 142.07320m(18010624) 128.34126m(18010624) 122.56816 (18100408) 113.98702 (18100408)
220.0 | 212.11413 (18010924) 159.28859 (18011008) 147.27431 (18011008) 136.74452 (18011008) 135.82810 (18010924)
230.0 | 167.79272 (18112924) 152.94813 (18020208) 139.27109 (18012108) 127.71189 (18112924) 118.28083 (18020208)
240.0 | 195.08782 (18120724) 176.86753 (18120724) 157.46295 (18020208) 142.39060 (18120724) 135.79381 (18120724)
250.0 | 199.86799 (18092808) 180.81069 (18092808) 169.10715 (18092808) 149.55753 (18092808) 133.10046 (18092808)
260.0 | 169.50805 (18101824) 154.99038 (18101824) 141.27335 (18101824) 129.90967 (18101824) 117.64002 (18090424)
270.0 | 170.00862 (18121324) 154.72757 (18121324) 141.30393 (18121324) 130.87263 (18121324) 122.43860 (18121324)
280.0 | 194.12530 (18011108) 176.94447 (18011108) 161.57640 (18011108) 150.19860 (18011108) 137.66515 (18081808)
290.0 | 236.33119 (18030608) 218.49821 (18030608) 201.82651 (18113024) 184.15785 (18113024) 171.27673 (18113024)
300.0 | 201.38166 (18092524) 180.47200c(18123008) 164.53638c(18123008) 153.19771c(18123008) 141.46873c(18123008)
310.0 | 155.08973 (18111424) 141.65493 (18111424) 129.24761 (18111424) 119.01193 (18111424) 109.07637 (18111424)
320.0 | 195.79938c(18022508) 178.64835c(18022508) 165.78097c(18022508) 151.41322c(18022508) 140.24093c(18022508)
330.0 | 152.60785c(18110524) 141.38359c(18110524) 126.05709c(18110524) 112.55415c(18110524) 107.40744c(18110524)
340.0 | 152.15502 (18010108) 140.45727 (18010108) 125.10738 (18010108) 116.20285 (18010108) 108.90975 (18010108)
350.0 | 128.72354m(18011124) 117.92570m(18011124) 109.51961m(18011124) 101.58119m(18011124) 95.26607m(18011124)
360.0 | 184.76306 (18120224) 168.75471 (18120224) 154.91626 (18120224) 143.11273 (18120224) 132.75085 (18120224)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK :	375.70	118.90	1836.12886	(18112624)	TANK :	498.87	129.50	1319.71361	(18041924)
TANK :	81.43	359.00	9354.16104	(18022608)	TANK :	116.79	44.50	7674.56393c	(18122924)
TANK :	109.20	67.00	7807.90930	(18112424)	TANK :	100.70	93.73	8566.91947	(18041024)
TANK :	87.91	103.99	9802.12448	(18112524)	TANK :	99.82	123.38	9353.32988	(18041924)
TANK :	138.00	141.00	6679.33301	(18010424)	TANK :	106.00	180.00	8818.51263	(18030216)
TANK :	115.60	206.00	6480.18953	(18120624)	TANK :	54.00	270.00	18911.07985	(18121608)
TANK :	97.00	326.00	8050.70071	(18063024)	TANK :	133.94	242.10	6336.79011	(18102224)
TANK :	101.99	301.65	9809.44926	(18030608)	TANK :	236.54	274.95	2698.10407	(18021608)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH)	AT	RECEPTOR (XR,YR)	OF TYPE
1.	77177.77372	(18122406)	AT (	-54.00, -0.00)	DP
2.	71532.90126	(18121608)	AT (	-54.00, -0.00)	DP
3.	70429.77671	(18040207)	AT (	-54.00, -0.00)	DP
4.	63978.71675	(18020806)	AT (	-54.00, -0.00)	DP
5.	62954.96048	(18012821)	AT (	-54.00, -0.00)	DP
6.	61706.49840	(18020807)	AT (	-54.00, -0.00)	DP
7.	61314.42667	(18121606)	AT (	-54.00, -0.00)	DP
8.	59806.10507	(18021606)	AT (	-54.00, -0.00)	DP
9.	58121.19861	(18062006)	AT (	-54.00, -0.00)	DP
10.	57670.36525	(18090907)	AT (	-54.00, -0.00)	DP
11.	55494.18187	(18083021)	AT (	-54.00, -0.00)	DP
12.	51736.30620	(18091907)	AT (	-54.00, -0.00)	DP
13.	50678.29298	(18042007)	AT (	34.20, -93.97)	GP
14.	50031.70760	(18112506)	AT (	-1.42, 81.42)	DP
15.	50016.66003	(18022407)	AT (	-54.00, -0.00)	DP
16.	48642.71206	(18090421)	AT (	-54.00, -0.00)	DP
17.	48261.11647	(18071220)	AT (	-54.00, -0.00)	DP
18.	48125.46060	(18011121)	AT (	-1.42, 81.42)	DP
19.	48097.24597	(18031107)	AT (	-54.00, -0.00)	DP
20.	47083.41194	(18112521)	AT (	50.00, 86.60)	GP
21.	46682.86524	(18022421)	AT (	76.60, 64.28)	GP
22.	46597.96291	(18091406)	AT (	17.36, -98.48)	GP
23.	46578.96631	(18091406)	AT (	0.00, -100.00)	GP
24.	46556.51284	(18090819)	AT (	-54.00, -0.00)	DP
25.	46482.30986	(18011120)	AT (	76.60, 64.28)	GP
26.	45680.45917	(18041807)	AT (	-54.00, -0.00)	DP
27.	45577.04800	(18041906)	AT (	85.30, -21.25)	DP
28.	45193.37045	(18073121)	AT (	-54.00, -0.00)	DP
29.	44760.87595	(18062606)	AT (	-54.00, -0.00)	DP
30.	44760.83606	(18030606)	AT (	-54.00, -0.00)	DP
31.	44555.39557	(18060620)	AT (	17.36, -98.48)	GP
32.	44304.40768	(18033021)	AT (	76.60, 64.28)	GP
33.	43944.13270	(18112520)	AT (	100.49, -6.55)	DP
34.	43628.59822	(18091406)	AT (	0.00, -106.00)	DP
35.	43564.26375	(18032407)	AT (	-54.00, -0.00)	DP
36.	43417.24526	(18041906)	AT (	98.48, -17.36)	GP
37.	43390.72855	(18020106)	AT (	-54.00, -0.00)	DP
38.	43385.45494	(18092806)	AT (	-54.00, -0.00)	DP
39.	43316.16200	(18112520)	AT (	100.00, 0.00)	GP
40.	43283.55259	(18080306)	AT (	-54.00, -0.00)	DP
41.	42981.03975	(18062706)	AT (	17.36, -98.48)	GP
42.	42894.96822	(18022421)	AT (	86.60, 50.00)	GP
43.	42748.51281	(18070320)	AT (	76.60, -64.28)	GP
44.	42715.90775	(18082719)	AT (	-54.00, -0.00)	DP
45.	42654.94836	(18081806)	AT (	-54.00, -0.00)	DP
46.	42615.38867	(18090821)	AT (	-54.00, -0.00)	DP
47.	42006.28206	(18122919)	AT (	50.00, 86.60)	GP
48.	41889.17324	(18110418)	AT (	85.30, -21.25)	DP
49.	41776.67995	(18041906)	AT (	100.49, -6.55)	DP
50.	41505.94578	(18102921)	AT (	64.28, -76.60)	GP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	19390.83978	(18020808) AT	(-54.00, -0.00) DP	26.	12656.20906	(18101824) AT	(-54.00, -0.00) DP
2.	19362.32687	(18051216) AT	(-54.00, -0.00) DP	27.	12634.65111	(18092316) AT	(-54.00, -0.00) DP
3.	18911.07985	(18121608) AT	(-54.00, -0.00) DP	28.	12601.20439	(18100616) AT	(-54.00, -0.00) DP
4.	17164.15314	(18021608) AT	(-54.00, -0.00) DP	29.	12499.71941	(18092516) AT	(-54.00, -0.00) DP
5.	16935.60609	(18100816) AT	(-54.00, -0.00) DP	30.	12453.86424	(18102924) AT	(64.28, -76.60) GP
6.	16592.80703	(18052616) AT	(-54.00, -0.00) DP	31.	12451.53613	(18020324) AT	(-54.00, -0.00) DP
7.	15485.26844	(18090516) AT	(-54.00, -0.00) DP	32.	12414.82567	(18082724) AT	(-54.00, -0.00) DP
8.	14965.97316	(18051224) AT	(-54.00, -0.00) DP	33.	12399.73684	(18040208) AT	(-54.00, -0.00) DP
9.	14965.67043	(18090216) AT	(-54.00, -0.00) DP	34.	12253.49351	(18062008) AT	(-54.00, -0.00) DP
10.	14694.91677	(18031108) AT	(-54.00, -0.00) DP	35.	12218.26296	(18090908) AT	(-54.00, -0.00) DP
11.	13997.44052	(18122408) AT	(-54.00, -0.00) DP	36.	12153.19032	(18103116) AT	(-54.00, -0.00) DP
12.	13859.69491	(18112524) AT	(100.00, 0.00) GP	37.	12151.35951	(18050216) AT	(-54.00, -0.00) DP
13.	13845.17819	(18103124) AT	(-54.00, -0.00) DP	38.	12100.15962	(18032408) AT	(-54.00, -0.00) DP
14.	13647.85496	(18091908) AT	(-54.00, -0.00) DP	39.	12088.01045	(18042008) AT	(34.20, -93.97) GP
15.	13467.56051	(18041808) AT	(-54.00, -0.00) DP	40.	12047.54561	(18082916) AT	(-54.00, -0.00) DP
16.	13432.74806b	(18112008) AT	(-86.60, 50.00) GP	41.	11942.61654	(18090424) AT	(-54.00, -0.00) DP
17.	13395.56226	(18050316) AT	(-54.00, -0.00) DP	42.	11911.70281c	(18122924) AT	(50.00, 86.60) GP
18.	13389.66009c	(18123124) AT	(-1.42, 81.42) DP	43.	11838.48549	(18100516) AT	(-54.00, -0.00) DP
19.	13310.49982c	(18123124) AT	(17.36, 98.48) GP	44.	11821.12441	(18052124) AT	(-54.00, -0.00) DP
20.	13234.56795	(18112524) AT	(100.49, -6.55) DP	45.	11785.15938c	(18123124) AT	(-0.00, 100.00) GP
21.	13119.51508b	(18112008) AT	(-93.97, 34.20) GP	46.	11783.57425	(18012208) AT	(-54.00, -0.00) DP
22.	12927.77838	(18092124) AT	(-54.00, -0.00) DP	47.	11768.19780	(18093024) AT	(-54.00, -0.00) DP
23.	12751.09691b	(18112008) AT	(-86.82, 53.52) DP	48.	11744.00299	(18051324) AT	(-54.00, -0.00) DP
24.	12730.18771	(18010824) AT	(-54.00, -0.00) DP	49.	11595.41415	(18102216) AT	(-54.00, -0.00) DP
25.	12710.45996	(18051416) AT	(-54.00, -0.00) DP	50.	11572.02495	(18022216) AT	(-54.00, -0.00) DP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	2223.43797 AT (-54.00, -0.00, 7.66, 7.66, 0.00) DP	
	2ND HIGHEST VALUE IS	1243.35888 AT (-86.60, -50.00, 7.10, 7.10, 0.00) GP	POL1
	3RD HIGHEST VALUE IS	1199.52083 AT (-93.97, -34.20, 7.30, 7.30, 0.00) GP	POL1
	4TH HIGHEST VALUE IS	1184.02830 AT (-76.60, -64.28, 6.80, 6.80, 0.00) GP	POL1
	5TH HIGHEST VALUE IS	1077.95215 AT (-98.48, -17.36, 7.50, 7.50, 0.00) GP	POL1
	6TH HIGHEST VALUE IS	1063.30506 AT (-64.28, -76.60, 6.40, 6.40, 0.00) GP	POL1

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 7TH HIGHEST VALUE IS    956.97576 AT (     86.60,      50.00,    7.20,    7.20,    0.00)  GP  POL1
 8TH HIGHEST VALUE IS    956.46811 AT (   -100.00,      -0.00,    7.80,    7.80,    0.00)  GP  POL1
 9TH HIGHEST VALUE IS    936.52754 AT (     76.60,      64.28,    7.20,    7.20,    0.00)  GP  POL1
10TH HIGHEST VALUE IS    934.24342 AT (     93.97,      34.20,    7.10,    7.10,    0.00)  GP  POL1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018           ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                    ***       15:10:23
                                                                                      PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


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

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

ALL      HIGH   1ST HIGH VALUE IS   77177.77372  ON 18122406: AT (    -54.00,      -0.00,    7.66,    7.66,    0.00)  DP

       HIGH   2ND HIGH VALUE IS   71532.90126  ON 18121608: AT (    -54.00,      -0.00,    7.66,    7.66,    0.00)  DP
       HIGH   3RD HIGH VALUE IS   70429.77671  ON 18040207: AT (    -54.00,      -0.00,    7.66,    7.66,    0.00)  DP


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018           ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                    ***       15:10:23
                                                                                      PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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


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

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

ALL      HIGH   1ST HIGH VALUE IS   19390.83978  ON 18020808: AT (    -54.00,      -0.00,    7.66,    7.66,    0.00)  DP

       HIGH   2ND HIGH VALUE IS   19362.32687  ON 18051216: AT (    -54.00,      -0.00,    7.66,    7.66,    0.00)  DP
       HIGH   3RD HIGH VALUE IS   18911.07985  ON 18121608: AT (    -54.00,      -0.00,    7.66,    7.66,    0.00)  DP


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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:10:23

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 102 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 59 Calm Hours Identified

A Total of 43 Missing Hours Identified (0.49 Percent)

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** AERMOD Finishes Successfully ***
****

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**USEgeneric12019withAERMAPProcessedElevs

CO STARTING
CO TITLEONE USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019
CO MODELOPT DFAULT CONC ELEV
**CO MODELOPT CONC ELEVATED
CO AVERTIME 1 8 PERIOD
CO POLLUTID HCL
CO RUNORNOT RUN
**CO URBANOPT UrbPop (UrbName) (UrbRoughness)
CO URBANOPT 397809
CO FINISHED

SO STARTING
SO LOCATION TANK  AREA  0.0 0.0 0.0
SO URBANSRC ALL
**SO EMISFACT SrcID or SrcRange Qflag Qfact(i), i=1,n  HOUR-OF-Day Specific factor
** HOURLY SPECIFIC EMISSIONS ADJUSTMENT: 1-5 0  6-21 1.0  22 -24 0
SO EMISFACT TANK HROFDY 5*0.0 16*1.0 3*0.0
SO SRCPARAM TANK 1.0 6.096 6.096
SO SRCGROUP ALL
SO FINISHED

RE STARTING

** AERMAP - VERSION 18081                                    12/09/22
**                                                  14:52:07
**  Using USGS_ned_1_N28W083_GRIDFLOAT.TIF
**  With NAD27 Anchor Point
** A total of       1  NED files were used
** A total of     736  receptors were processed
** DOMAINXY  361366.0 3090645.0 17 369209.0 3097023.0 17
** ANCHORXY  0.0      0.0     364725.57  3093695.53  17  0
** Terrain heights were extracted by default

RE ELEVUNIT METERS
  GRIDPOLR POL1 STA
        POL1 ORIG   0.0   0.0
        POL1 DIST   100.   200. 300. 400. 500. 600. 700. 800. 900. 1000. 1100. 1200. 1300. 1400. 1500. 1600. 1700. 1800.
1900. 2000.
        POL1 GDIR   36     10.    10.
  GRIDPOLR POL1     ELEV    1      8.3      9.2      9.0      8.7      8.8      8.1
  GRIDPOLR POL1     ELEV    1      6.9      6.5      8.2      9.2      9.4      9.8
  GRIDPOLR POL1     ELEV    1      9.4      9.8     10.0     10.1      9.8      9.6
  GRIDPOLR POL1     ELEV    1      8.5      7.3
  GRIDPOLR POL1     ELEV    2      8.2      8.7      8.6      8.6      8.4      8.4
  GRIDPOLR POL1     ELEV    2      7.3      6.5      7.1      8.2      9.4      9.6
  GRIDPOLR POL1     ELEV    2      9.1      8.9      8.6      7.9      6.4      6.4
  GRIDPOLR POL1     ELEV    2      6.9      7.3
  GRIDPOLR POL1     ELEV    3      7.8      8.4      8.5      8.5      8.8      8.1
  GRIDPOLR POL1     ELEV    3      7.6      7.3      6.3      6.5      6.3      6.0
  GRIDPOLR POL1     ELEV    3      6.7      6.9      6.1      5.7      5.7      5.5
  GRIDPOLR POL1     ELEV    3      5.1      5.1
  GRIDPOLR POL1     ELEV    4      7.4      7.8      8.1      8.3      8.4      8.6
  GRIDPOLR POL1     ELEV    4      6.4      5.8      5.1      5.4      2.0      2.0
  GRIDPOLR POL1     ELEV    4      2.0      2.0      2.0      2.0      2.0      2.0
  GRIDPOLR POL1     ELEV    4      2.0      2.0
  GRIDPOLR POL1     ELEV    5      7.2      7.6      7.4      6.8      7.8      7.6
  GRIDPOLR POL1     ELEV    5      4.6      3.4      2.0      2.0      5.6      6.2
  GRIDPOLR POL1     ELEV    5      6.3      7.4      8.0      7.1      7.7      7.1
  GRIDPOLR POL1     ELEV    5      6.7      7.3
  GRIDPOLR POL1     ELEV    6      7.2      7.4      6.8      6.0      6.8      4.7
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GRIDPOLR POL1	ELEV	6	3.8	2.0	2.0	6.2	7.0	5.7
GRIDPOLR POL1	ELEV	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR POL1	ELEV	6	7.4	7.9				
GRIDPOLR POL1	ELEV	7	7.1	7.0	6.4	5.9	7.1	10.0
GRIDPOLR POL1	ELEV	7	2.6	2.0	10.0	7.7	7.8	7.4
GRIDPOLR POL1	ELEV	7	7.1	7.0	6.9	9.0	7.1	7.3
GRIDPOLR POL1	ELEV	7	7.0	8.1				
GRIDPOLR POL1	ELEV	8	6.8	6.9	5.8	5.4	5.1	3.2
GRIDPOLR POL1	ELEV	8	2.0	2.0	7.3	8.4	10.1	10.1
GRIDPOLR POL1	ELEV	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR POL1	ELEV	8	7.6	8.2				
GRIDPOLR POL1	ELEV	9	6.6	6.4	5.8	4.8	4.6	4.2
GRIDPOLR POL1	ELEV	9	2.0	4.8	5.6	6.7	7.7	7.6
GRIDPOLR POL1	ELEV	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR POL1	ELEV	9	6.7	7.0				
GRIDPOLR POL1	ELEV	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR POL1	ELEV	10	2.0	5.1	4.9	5.6	5.3	5.3
GRIDPOLR POL1	ELEV	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR POL1	ELEV	10	7.3	7.9				
GRIDPOLR POL1	ELEV	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR POL1	ELEV	11	2.0	6.3	8.7	8.1	5.1	5.4
GRIDPOLR POL1	ELEV	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR POL1	ELEV	11	7.0	6.8				
GRIDPOLR POL1	ELEV	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR POL1	ELEV	12	2.0	4.5	10.1	8.2	9.3	4.8
GRIDPOLR POL1	ELEV	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR POL1	ELEV	12	7.3	7.3				
GRIDPOLR POL1	ELEV	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR POL1	ELEV	13	2.0	3.1	7.7	8.0	7.5	5.7
GRIDPOLR POL1	ELEV	13	4.4	3.8	3.7	4.2	5.1	5.7
GRIDPOLR POL1	ELEV	13	7.0	6.2				
GRIDPOLR POL1	ELEV	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR POL1	ELEV	14	1.2	0.0	0.0	3.3	3.3	3.4
GRIDPOLR POL1	ELEV	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR POL1	ELEV	14	5.8	5.4				
GRIDPOLR POL1	ELEV	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR POL1	ELEV	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR POL1	ELEV	15	3.0	3.0	5.6	7.2	4.1	4.6
GRIDPOLR POL1	ELEV	15	4.9	5.6				
GRIDPOLR POL1	ELEV	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR POL1	ELEV	16	5.3	3.8	1.5	2.3	0.0	0.0
GRIDPOLR POL1	ELEV	16	3.7	5.3	3.8	1.6	3.3	3.6
GRIDPOLR POL1	ELEV	16	4.4	4.1				
GRIDPOLR POL1	ELEV	17	6.1	5.0	4.7	3.5	5.0	5.0
GRIDPOLR POL1	ELEV	17	4.8	4.5	9.4	2.4	3.6	0.0
GRIDPOLR POL1	ELEV	17	0.0	1.7	3.2	2.3	2.8	3.3
GRIDPOLR POL1	ELEV	17	3.6	4.1				
GRIDPOLR POL1	ELEV	18	6.1	5.1	4.7	4.9	4.9	5.1
GRIDPOLR POL1	ELEV	18	5.0	4.5	4.5	3.3	4.4	2.6
GRIDPOLR POL1	ELEV	18	0.0	0.0	2.7	3.2	2.7	3.0
GRIDPOLR POL1	ELEV	18	3.1	3.7				
GRIDPOLR POL1	ELEV	19	6.3	5.0	4.7	4.8	5.2	5.5
GRIDPOLR POL1	ELEV	19	5.3	4.8	4.9	4.4	4.7	4.9
GRIDPOLR POL1	ELEV	19	3.2	4.1	0.2	0.0	0.0	0.0
GRIDPOLR POL1	ELEV	19	3.4	3.7				
GRIDPOLR POL1	ELEV	20	6.4	5.0	4.8	4.2	5.0	5.2
GRIDPOLR POL1	ELEV	20	5.6	5.0	4.4	3.8	3.8	3.4
GRIDPOLR POL1	ELEV	20	4.1	5.4	12.4	7.3	0.0	0.0
GRIDPOLR POL1	ELEV	20	2.8	3.0				
GRIDPOLR POL1	ELEV	21	6.4	4.8	5.3	5.2	4.6	4.9
GRIDPOLR POL1	ELEV	21	7.3	4.7	4.6	3.2	3.1	2.7
GRIDPOLR POL1	ELEV	21	2.9	2.6	6.3	0.0	0.0	0.1

```
GRIDPOLR POL1    ELEV  21     2.7     3.1
GRIDPOLR POL1    ELEV  22     6.4     5.1     5.6     5.9     5.6     4.9
GRIDPOLR POL1    ELEV  22    16.0    11.8     5.0     4.5     3.4     2.6
GRIDPOLR POL1    ELEV  22     2.3     3.0     3.1     7.9     0.0     0.0
GRIDPOLR POL1    ELEV  22     0.0     1.7
GRIDPOLR POL1    ELEV  23     6.8     6.2     5.8     6.1     5.8     6.6
GRIDPOLR POL1    ELEV  23     5.4     4.9     4.6     4.6     4.7     4.4
GRIDPOLR POL1    ELEV  23     3.0     3.2     2.0     2.4     2.9     2.6
GRIDPOLR POL1    ELEV  23     1.6     2.2
GRIDPOLR POL1    ELEV  24     7.1     6.4     6.4     6.3     6.5     7.4
GRIDPOLR POL1    ELEV  24     6.2     5.9     5.6     5.3     5.2     4.6
GRIDPOLR POL1    ELEV  24     5.1     4.8     3.3     3.3     2.9     1.4
GRIDPOLR POL1    ELEV  24     0.8     2.0
GRIDPOLR POL1    ELEV  25     7.3     7.3     7.1     6.9     8.1     7.5
GRIDPOLR POL1    ELEV  25     7.8     7.7     7.9     6.5     6.2     5.6
GRIDPOLR POL1    ELEV  25     5.5     5.3     4.8     4.7     4.1     4.5
GRIDPOLR POL1    ELEV  25     3.0     1.9
GRIDPOLR POL1    ELEV  26     7.5     7.9     7.7     8.4     8.2     8.4
GRIDPOLR POL1    ELEV  26     8.4     8.3     8.6     8.3     8.1     7.9
GRIDPOLR POL1    ELEV  26     7.6     7.1     6.7     6.6     5.6     4.9
GRIDPOLR POL1    ELEV  26     4.0     4.5
GRIDPOLR POL1    ELEV  27     7.8     8.3     8.4     8.5     8.2     9.1
GRIDPOLR POL1    ELEV  27     8.4     8.6     7.9     6.7     6.9     6.6
GRIDPOLR POL1    ELEV  27     6.8     7.0     7.0     7.1     6.6     6.0
GRIDPOLR POL1    ELEV  27     6.2     6.4
GRIDPOLR POL1    ELEV  28     8.2     8.8     9.3     8.2     8.5     8.3
GRIDPOLR POL1    ELEV  28     8.3     7.7     6.9     6.9     6.0     7.3
GRIDPOLR POL1    ELEV  28     8.6     9.5    11.1    10.0     8.8     8.6
GRIDPOLR POL1    ELEV  28     8.9     9.6
GRIDPOLR POL1    ELEV  29     8.3     9.1     9.0     8.4     8.7     8.0
GRIDPOLR POL1    ELEV  29     7.8     7.5     7.3     7.3     8.5     8.6
GRIDPOLR POL1    ELEV  29     9.5     9.6     9.7    10.1    10.3    10.5
GRIDPOLR POL1    ELEV  29    11.3    11.1
GRIDPOLR POL1    ELEV  30     8.6     8.6     8.9     8.5     8.3     8.1
GRIDPOLR POL1    ELEV  30     7.6     7.4     7.8     8.4     9.7     8.8
GRIDPOLR POL1    ELEV  30     8.6     8.7    10.3     9.0     8.8     8.6
GRIDPOLR POL1    ELEV  30     8.7    10.1
GRIDPOLR POL1    ELEV  31     8.9     9.4     8.7     8.7     8.1     7.7
GRIDPOLR POL1    ELEV  31     8.0     8.2     8.8     8.0     8.3     9.1
GRIDPOLR POL1    ELEV  31    10.7    11.3     8.2     9.6     9.1     9.3
GRIDPOLR POL1    ELEV  31     7.9     7.9
GRIDPOLR POL1    ELEV  32     8.5     8.9     9.0     8.7     8.0     8.1
GRIDPOLR POL1    ELEV  32     8.5     9.2     9.7     8.6     8.4    10.4
GRIDPOLR POL1    ELEV  32    11.0    11.5    11.9    10.2     9.3    11.6
GRIDPOLR POL1    ELEV  32     8.9     8.7
GRIDPOLR POL1    ELEV  33     8.5     8.6     9.0     8.8     8.4     8.2
GRIDPOLR POL1    ELEV  33     8.2     9.9    10.9    11.0    12.7    11.4
GRIDPOLR POL1    ELEV  33    10.9    11.7    11.7    11.5    11.9     9.8
GRIDPOLR POL1    ELEV  33     8.0     9.0
GRIDPOLR POL1    ELEV  34     8.5     8.8     8.7     8.8     7.6     7.8
GRIDPOLR POL1    ELEV  34     7.4     9.4    10.8    10.8    11.3    10.7
GRIDPOLR POL1    ELEV  34    10.4    10.9    12.3    10.6    10.9     8.0
GRIDPOLR POL1    ELEV  34     8.0     8.6
GRIDPOLR POL1    ELEV  35     8.6     9.0     9.0     8.7     7.9     7.5
GRIDPOLR POL1    ELEV  35     7.6     8.5     9.8    10.0     9.8    10.2
GRIDPOLR POL1    ELEV  35     9.9     9.7     9.7    10.9    10.6    10.8
GRIDPOLR POL1    ELEV  35    10.7    11.0
GRIDPOLR POL1    ELEV  36     8.3     9.1     8.7     8.7     8.2     7.2
GRIDPOLR POL1    ELEV  36     7.1     8.4     9.4     9.4     8.2     8.5
GRIDPOLR POL1    ELEV  36     9.2     9.3    10.2    10.5    10.7    10.8
GRIDPOLR POL1    ELEV  36    10.2     9.8
GRIDPOLR POL1    HILL   1     8.3     9.2     9.0     8.7     8.8     8.1
```

GRIDPOLR	POL1	HILL	1	6.9	6.5	8.2	9.2	9.4	9.8
GRIDPOLR	POL1	HILL	1	9.4	9.8	10.0	10.1	9.8	9.6
GRIDPOLR	POL1	HILL	1	8.5	7.3				
GRIDPOLR	POL1	HILL	2	8.2	9.5	8.6	8.6	8.4	8.4
GRIDPOLR	POL1	HILL	2	7.3	6.5	7.1	8.2	9.4	9.6
GRIDPOLR	POL1	HILL	2	9.1	8.9	8.6	7.9	6.4	6.4
GRIDPOLR	POL1	HILL	2	6.9	7.3				
GRIDPOLR	POL1	HILL	3	7.8	8.4	8.5	8.5	8.8	8.1
GRIDPOLR	POL1	HILL	3	7.6	7.3	6.3	6.5	6.3	6.0
GRIDPOLR	POL1	HILL	3	6.7	6.9	6.1	5.7	5.7	5.5
GRIDPOLR	POL1	HILL	3	5.1	5.1				
GRIDPOLR	POL1	HILL	4	7.4	7.8	8.1	8.3	8.4	8.6
GRIDPOLR	POL1	HILL	4	6.4	5.8	5.1	6.2	2.0	2.0
GRIDPOLR	POL1	HILL	4	2.0	2.0	2.0	2.0	2.0	2.0
GRIDPOLR	POL1	HILL	4	2.0	5.1				
GRIDPOLR	POL1	HILL	5	7.2	7.6	7.4	6.8	7.8	7.6
GRIDPOLR	POL1	HILL	5	4.6	3.4	2.0	2.0	5.6	6.2
GRIDPOLR	POL1	HILL	5	6.3	7.4	8.0	7.1	7.7	7.1
GRIDPOLR	POL1	HILL	5	7.9	7.3				
GRIDPOLR	POL1	HILL	6	7.2	7.4	6.8	6.0	6.8	12.5
GRIDPOLR	POL1	HILL	6	7.1	2.0	6.5	6.2	7.0	5.7
GRIDPOLR	POL1	HILL	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR	POL1	HILL	6	7.4	7.9				
GRIDPOLR	POL1	HILL	7	7.1	7.0	6.4	5.9	11.6	11.2
GRIDPOLR	POL1	HILL	7	5.0	2.0	10.0	7.7	7.8	7.4
GRIDPOLR	POL1	HILL	7	7.1	7.0	15.1	16.4	7.1	7.3
GRIDPOLR	POL1	HILL	7	7.0	8.1				
GRIDPOLR	POL1	HILL	8	6.8	6.9	5.8	5.4	5.1	4.1
GRIDPOLR	POL1	HILL	8	2.0	9.3	7.3	8.4	10.1	10.1
GRIDPOLR	POL1	HILL	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR	POL1	HILL	8	7.6	8.2				
GRIDPOLR	POL1	HILL	9	6.6	6.4	5.8	4.8	5.2	4.2
GRIDPOLR	POL1	HILL	9	2.0	5.9	5.6	6.7	7.7	7.6
GRIDPOLR	POL1	HILL	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR	POL1	HILL	9	6.7	7.0				
GRIDPOLR	POL1	HILL	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR	POL1	HILL	10	2.0	7.8	7.1	5.6	5.3	5.3
GRIDPOLR	POL1	HILL	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR	POL1	HILL	10	7.3	7.9				
GRIDPOLR	POL1	HILL	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR	POL1	HILL	11	2.0	9.5	8.7	8.1	5.1	5.4
GRIDPOLR	POL1	HILL	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR	POL1	HILL	11	7.0	6.8				
GRIDPOLR	POL1	HILL	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR	POL1	HILL	12	2.0	8.8	10.1	14.4	15.9	15.9
GRIDPOLR	POL1	HILL	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR	POL1	HILL	12	7.3	7.3				
GRIDPOLR	POL1	HILL	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR	POL1	HILL	13	4.0	3.8	7.7	8.0	8.3	13.2
GRIDPOLR	POL1	HILL	13	6.7	3.8	3.7	4.2	5.1	5.7
GRIDPOLR	POL1	HILL	13	7.0	6.2				
GRIDPOLR	POL1	HILL	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR	POL1	HILL	14	3.1	0.0	0.0	3.3	3.3	3.4
GRIDPOLR	POL1	HILL	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR	POL1	HILL	14	5.8	5.4				
GRIDPOLR	POL1	HILL	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR	POL1	HILL	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR	POL1	HILL	15	3.0	3.0	9.8	7.2	4.1	4.6
GRIDPOLR	POL1	HILL	15	4.9	5.6				
GRIDPOLR	POL1	HILL	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR	POL1	HILL	16	12.0	13.1	13.1	2.9	0.0	0.0
GRIDPOLR	POL1	HILL	16	3.7	5.3	3.8	3.1	3.3	3.6

GRIDPOLR POL1	HILL	16	4.4	4.1				
GRIDPOLR POL1	HILL	17	6.1	5.0	4.7	3.5	5.0	5.0
GRIDPOLR POL1	HILL	17	4.8	13.1	9.4	2.4	3.6	4.1
GRIDPOLR POL1	HILL	17	0.0	1.7	3.2	2.3	2.8	3.3
GRIDPOLR POL1	HILL	17	3.6	4.1				
GRIDPOLR POL1	HILL	18	6.1	5.1	4.7	4.9	4.9	5.1
GRIDPOLR POL1	HILL	18	5.0	4.5	4.5	3.3	4.4	2.6
GRIDPOLR POL1	HILL	18	0.0	0.0	2.7	3.2	2.7	3.0
GRIDPOLR POL1	HILL	18	3.1	3.7				
GRIDPOLR POL1	HILL	19	6.3	5.0	4.7	4.8	5.2	5.5
GRIDPOLR POL1	HILL	19	5.3	4.8	4.9	4.4	4.7	4.9
GRIDPOLR POL1	HILL	19	12.5	13.3	13.6	13.6	0.0	0.0
GRIDPOLR POL1	HILL	19	3.4	3.7				
GRIDPOLR POL1	HILL	20	6.4	5.0	4.8	4.2	5.0	5.2
GRIDPOLR POL1	HILL	20	5.6	5.0	4.4	3.8	3.8	3.4
GRIDPOLR POL1	HILL	20	4.1	14.1	12.4	12.9	12.9	0.0
GRIDPOLR POL1	HILL	20	2.8	3.0				
GRIDPOLR POL1	HILL	21	6.4	4.8	5.3	5.2	4.6	16.4
GRIDPOLR POL1	HILL	21	16.9	16.5	4.6	3.2	3.1	2.7
GRIDPOLR POL1	HILL	21	2.9	4.3	10.8	11.0	0.0	2.4
GRIDPOLR POL1	HILL	21	2.7	3.1				
GRIDPOLR POL1	HILL	22	6.4	5.1	5.6	5.9	5.6	16.8
GRIDPOLR POL1	HILL	22	16.0	16.7	16.1	4.5	3.4	2.6
GRIDPOLR POL1	HILL	22	2.3	3.0	9.4	9.2	9.1	0.0
GRIDPOLR POL1	HILL	22	0.0	1.7				
GRIDPOLR POL1	HILL	23	6.8	6.2	5.8	6.1	5.8	6.6
GRIDPOLR POL1	HILL	23	16.8	16.8	16.4	4.6	4.7	4.4
GRIDPOLR POL1	HILL	23	3.0	3.2	2.0	2.4	2.9	2.6
GRIDPOLR POL1	HILL	23	1.6	9.6				
GRIDPOLR POL1	HILL	24	7.1	6.4	6.4	6.3	6.5	7.4
GRIDPOLR POL1	HILL	24	6.2	5.9	5.6	5.3	5.2	4.6
GRIDPOLR POL1	HILL	24	5.1	4.8	3.3	3.3	2.9	1.4
GRIDPOLR POL1	HILL	24	0.8	2.0				
GRIDPOLR POL1	HILL	25	7.3	7.3	7.1	6.9	8.1	7.5
GRIDPOLR POL1	HILL	25	7.8	7.7	7.9	7.6	6.2	5.6
GRIDPOLR POL1	HILL	25	5.9	5.3	4.8	4.7	4.1	4.5
GRIDPOLR POL1	HILL	25	3.0	1.9				
GRIDPOLR POL1	HILL	26	7.5	7.9	7.7	8.4	8.2	8.4
GRIDPOLR POL1	HILL	26	8.4	8.3	8.6	8.3	8.1	7.9
GRIDPOLR POL1	HILL	26	7.6	7.1	6.7	6.6	5.6	4.9
GRIDPOLR POL1	HILL	26	4.0	4.5				
GRIDPOLR POL1	HILL	27	7.8	8.3	8.4	8.5	8.2	9.1
GRIDPOLR POL1	HILL	27	8.4	8.6	7.9	6.7	6.9	6.6
GRIDPOLR POL1	HILL	27	6.8	7.0	7.0	7.1	6.6	12.2
GRIDPOLR POL1	HILL	27	14.2	14.2				
GRIDPOLR POL1	HILL	28	8.2	8.8	9.3	9.3	8.5	8.3
GRIDPOLR POL1	HILL	28	8.3	7.7	6.9	6.9	6.0	7.3
GRIDPOLR POL1	HILL	28	8.6	9.5	11.1	10.0	8.8	8.6
GRIDPOLR POL1	HILL	28	8.9	9.6				
GRIDPOLR POL1	HILL	29	8.3	9.1	9.0	8.4	8.7	8.0
GRIDPOLR POL1	HILL	29	7.8	7.5	7.3	7.3	8.5	8.6
GRIDPOLR POL1	HILL	29	9.5	9.6	9.7	10.1	10.3	10.5
GRIDPOLR POL1	HILL	29	11.3	11.1				
GRIDPOLR POL1	HILL	30	8.6	8.6	8.9	8.5	8.3	8.1
GRIDPOLR POL1	HILL	30	7.6	7.4	7.8	8.4	9.7	8.8
GRIDPOLR POL1	HILL	30	8.6	8.7	10.3	9.0	8.8	8.6
GRIDPOLR POL1	HILL	30	9.5	10.1				
GRIDPOLR POL1	HILL	31	8.9	9.4	8.7	8.7	8.1	7.7
GRIDPOLR POL1	HILL	31	8.0	8.2	8.8	8.0	8.3	9.1
GRIDPOLR POL1	HILL	31	14.9	15.4	8.2	9.6	9.1	9.3
GRIDPOLR POL1	HILL	31	7.9	7.9				
GRIDPOLR POL1	HILL	32	8.5	8.9	9.0	8.8	8.0	8.1

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  GRIDPOLR POL1     HILL  32      8.5     9.2     9.7     8.6     8.4    10.4
  GRIDPOLR POL1     HILL  32     11.0    11.5    11.9    10.2     9.3    11.6
  GRIDPOLR POL1     HILL  32      8.9     8.7
  GRIDPOLR POL1     HILL  33      8.5     8.6     9.0     8.8     8.4     8.2
  GRIDPOLR POL1     HILL  33      8.2     9.9    10.9    11.0    12.7    11.4
  GRIDPOLR POL1     HILL  33     10.9    11.7    11.7    11.5    11.9     9.8
  GRIDPOLR POL1     HILL  33      8.0     9.0
  GRIDPOLR POL1     HILL  34      8.5     8.8     8.7     8.8     7.6     7.8
  GRIDPOLR POL1     HILL  34      7.4     9.4    10.8    10.8    11.3    10.7
  GRIDPOLR POL1     HILL  34     10.4    10.9    12.3    16.6    10.9     8.0
  GRIDPOLR POL1     HILL  34      8.0     8.6
  GRIDPOLR POL1     HILL  35      8.6     9.0     9.0     8.7     7.9     7.5
  GRIDPOLR POL1     HILL  35      7.6     8.5     9.8    10.0     9.8    10.2
  GRIDPOLR POL1     HILL  35      9.9     9.7     9.7    10.9    10.6    10.8
  GRIDPOLR POL1     HILL  35     10.7    11.0
  GRIDPOLR POL1     HILL  36      8.3     9.1     8.7     8.7     8.2     7.2
  GRIDPOLR POL1     HILL  36      7.1     8.4     9.4     9.4     8.2     8.5
  GRIDPOLR POL1     HILL  36      9.2     9.3    10.2    10.5    10.7    10.8
  GRIDPOLR POL1     HILL  36     10.2    11.9
  GRIDPOLR POL1 END
  DISCPOLR TANK          375.70   118.90    4.13    4.13
  DISCPOLR TANK          498.87   129.50    4.28    4.28
  DISCPOLR TANK           81.43   359.00    8.22    8.22
  DISCPOLR TANK          116.79    44.50    7.45    7.45
  DISCPOLR TANK          109.20    67.00    7.18    7.18
  DISCPOLR TANK          100.70    93.73    6.54    6.54
  DISCPOLR TANK           87.91   103.99    6.86    6.86
  DISCPOLR TANK           99.82   123.38    6.79    6.79
  DISCPOLR TANK          138.00   141.00    5.94    5.94
  DISCPOLR TANK          106.00   180.00    5.90    5.90
  DISCPOLR TANK          115.60   206.00    5.94    5.94
  DISCPOLR TANK           54.00   270.00    7.66    7.66
  DISCPOLR TANK           97.00   326.00    8.52    8.52
  DISCPOLR TANK          133.94   242.10    7.16    7.16
  DISCPOLR TANK          101.99   301.65    8.70    8.70
  DISCPOLR TANK          236.54   274.95    8.35    8.35

RE FINISHED

ME STARTING
  SURFFILE  TPA2019_V19191.sfc
  PROFFILE  TPA2019_V19191.pfl
  SURFDATA  12842  2019
  UAIRDATA 12842  2019
  SITEDATA  12842  2019
  PROFBASE  0.0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  ALLAVE  FIRST-THIRD
OU MAXTABLE  ALLAVE  50
OU SUMMFILE USECOLO1.SUM
OU FINISHED


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

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

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

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** SETUP Finishes Successfully ***
****

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
PAGE 1
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 397809.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: HCL

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 736 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 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 19191

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE 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) = 0.00 ; 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: GenericUSE1GramWithElevs2019f.inp
**Output Print File: GenericUSE1GramWithElevs2019f.out

**File for Summary of Results: USECOLO1.SUM
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TANK	0	0.10000E+01	0.0	0.0	0.0	6.10	6.10	6.10	0.00	0.00	YES	HROFDY

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TANK ,

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

URBAN ID	URBAN POP	SOURCE IDs
397809.	TANK	,

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

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***
X-ORIG = 0.00 ; Y-ORIG = 0.00 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

100.0, 200.0, 300.0, 400.0, 500.0, 600.0, 700.0, 800.0, 900.0, 1000.0,
1100.0, 1200.0, 1300.0, 1400.0, 1500.0, 1600.0, 1700.0, 1800.0, 1900.0, 2000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	8.70	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	4.70	3.80	2.00	2.00
70.00	7.10	7.00	6.40	5.90	7.10	10.00	2.60	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	3.20	2.00	2.00	7.30
90.00	6.60	6.40	5.80	4.80	4.60	4.20	2.00	4.80	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	5.10	4.90
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	6.30	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	4.50	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	2.00	3.10	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	1.20	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	5.30	3.80	1.50
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	4.50	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	4.90	7.30	4.70	4.60
220.00	6.40	5.10	5.60	5.90	5.60	4.90	16.00	11.80	5.00
230.00	6.80	6.20	5.80	6.10	5.80	6.60	5.40	4.90	4.60
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60
250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	8.20	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.70	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00

10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	5.40	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	6.90	9.00	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	8.20	9.30	4.80	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	7.50	5.70	4.40	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	5.60	7.20	4.10	4.60
160.00	2.30	0.00	0.00	3.70	5.30	3.80	1.60	3.30	3.60
170.00	2.40	3.60	0.00	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	3.20	4.10	0.20	0.00	0.00	0.00
200.00	3.80	3.80	3.40	4.10	5.40	12.40	7.30	0.00	0.00
210.00	3.20	3.10	2.70	2.90	2.60	6.30	0.00	0.00	0.10
220.00	4.50	3.40	2.60	2.30	3.00	3.10	7.90	0.00	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	6.50	6.20	5.60	5.50	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	6.00
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	10.70	11.30	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	10.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	2.00
50.00	6.70	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30

130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	2.20
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	6.20	6.40
280.00	8.90	9.60
290.00	11.30	11.10
300.00	8.70	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	9.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	9.50	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	12.50	7.10	2.00	6.50
70.00	7.10	7.00	6.40	5.90	11.60	11.20	5.00	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	4.10	2.00	9.30	7.30
90.00	6.60	6.40	5.80	4.80	5.20	4.20	2.00	5.90	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	7.80	7.10
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	9.50	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	8.80	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	4.00	3.80	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	3.10	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	12.00	13.10	13.10
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	13.10	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	16.40	16.90	16.50	4.60
220.00	6.40	5.10	5.60	5.90	5.60	16.80	16.00	16.70	16.10
230.00	6.80	6.20	5.80	6.10	5.80	6.60	16.80	16.80	16.40
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60

250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	9.30	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.80	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	6.20	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	15.10	16.40	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	14.40	15.90	15.90	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	8.30	13.20	6.70	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	9.80	7.20	4.10	4.60
160.00	2.90	0.00	0.00	3.70	5.30	3.80	3.10	3.30	3.60
170.00	2.40	3.60	4.10	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	12.50	13.30	13.60	13.60	0.00	0.00
200.00	3.80	3.80	3.40	4.10	14.10	12.40	12.90	12.90	0.00
210.00	3.20	3.10	2.70	2.90	4.30	10.80	11.00	0.00	2.40
220.00	4.50	3.40	2.60	2.30	3.00	9.40	9.20	9.10	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	7.60	6.20	5.60	5.90	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	12.20
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	14.90	15.40	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	16.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	5.10
50.00	7.90	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30
130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	9.60
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	14.20	14.20
280.00	8.90	9.60
290.00	11.30	11.10
300.00	9.50	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	11.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZHILL, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS,METERS)

TANK : (375.7, 118.9, 4.1, 4.1, 0.0); TANK : (498.9, 129.5, 4.3, 4.3, 0.0);
TANK : (81.4, 359.0, 8.2, 8.2, 0.0); TANK : (116.8, 44.5, 7.5, 7.5, 0.0);

```
 TANK       : (    109.2,    67.0,     7.2,     7.2,     0.0);  TANK       : (    100.7,    93.7,     6.5,     6.5,     0.0);
 TANK       : (     87.9,   104.0,     6.9,     6.9,     0.0);  TANK       : (     99.8,   123.4,     6.8,     6.8,     0.0);
 TANK       : (    138.0,   141.0,     5.9,     5.9,     0.0);  TANK       : (    106.0,   180.0,     5.9,     5.9,     0.0);
 TANK       : (    115.6,   206.0,     5.9,     5.9,     0.0);  TANK       : (     54.0,   270.0,     7.7,     7.7,     0.0);
 TANK       : (     97.0,   326.0,     8.5,     8.5,     0.0);  TANK       : (    133.9,   242.1,     7.2,     7.2,     0.0);
 TANK       : (    102.0,   301.6,     8.7,     8.7,     0.0);  TANK       : (    236.5,   274.9,     8.4,     8.4,     0.0);
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019             ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                                      ***        15:12:07
                                                                                                              PAGE  14
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

            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  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019             ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                                      ***        15:12:07
                                                                                                              PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

  Surface file:   TPA2019_V19191.sfc                                          Met Version:  19191
  Profile file:   TPA2019_V19191.pfl
  Surface format: FREE
  Profile format: FREE
  Surface station no.:    12842                Upper air station no.:    12842
            Name: UNKNOWN                                  Name: UNKNOWN
            Year:   2019                               Year:   2019

 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 19 01 01    1 01  -11.0  0.141 -9.000 -9.000 -999.  127.     22.9  0.15   0.34   1.00    1.50  135.    7.9  294.9    2.0
 19 01 01    1 02  -18.2  0.187 -9.000 -9.000 -999.  195.     38.6  0.15   0.34   1.00    1.96  147.    7.9  294.2    2.0
 19 01 01    1 03  -13.5  0.156 -9.000 -9.000 -999.  148.     26.7  0.15   0.34   1.00    1.65  128.    7.9  293.8    2.0
 19 01 01    1 04  -10.2  0.135 -9.000 -9.000 -999.  119.     22.0  0.15   0.34   1.00    1.43  107.    7.9  293.1    2.0
 19 01 01    1 05    -4.9  0.094 -9.000 -9.000 -999.  69.     15.4  0.23   0.34   1.00    0.89   46.    7.9  291.4    2.0
 19 01 01    1 06    -4.8  0.092 -9.000 -9.000 -999.  67.     14.8  0.17   0.34   1.00    0.96   82.    7.9  292.5    2.0
 19 01 01    1 07  -10.8  0.139 -9.000 -9.000 -999.  125.     22.7  0.15   0.34   1.00    1.47   98.    7.9  292.5    2.0
 19 01 01    1 08  -12.9  0.153 -9.000 -9.000 -999.  143.     25.6  0.15   0.34   0.70    1.60  106.    7.9  292.5    2.0
 19 01 01    1 09   11.4  0.218  0.244  0.005   46.  244.    -82.7  0.15   0.34   0.33    2.01  114.    7.9  294.9    2.0
```

```
19 01 01   1 10   42.4  0.278  0.501  0.005  108.  352.    -46.3  0.15   0.34   0.21    2.50  142.    7.9  296.4    2.0
19 01 01   1 11   66.9  0.344  0.838  0.005  320.  485.    -55.6  0.13   0.34   0.18    3.22  166.    7.9  298.8    2.0
19 01 01   1 12   78.4  0.266  1.026  0.005  502.  332.    -21.8  0.04   0.34   0.17    3.13  221.    7.9  297.5    2.0
19 01 01   1 13   84.0  0.295  1.124  0.005  616.  385.    -27.8  0.04   0.34   0.16    3.54  225.    7.9  299.2    2.0
19 01 01   1 14   80.0  0.339  1.157  0.005  706.  474.    -44.4  0.04   0.34   0.17    4.19  214.    7.9  299.2    2.0
19 01 01   1 15   67.0  0.264  1.162  0.008  853.  329.    -25.1  0.04   0.34   0.18    3.15  224.    7.9  299.2    2.0
19 01 01   1 16   46.7  0.214  1.061  0.012  931.  238.    -19.0  0.04   0.34   0.21    2.49  232.    7.9  299.9    2.0
19 01 01   1 17   17.1  0.277  0.765  0.012  953.  351.   -113.8  0.06   0.34   0.31    3.23  270.    7.9  298.8    2.0
19 01 01   1 18  -19.8  0.225 -9.000 -9.000 -999.  257.     55.8  0.05   0.34   0.63    2.95  254.    7.9  296.4    2.0
19 01 01   1 19  -11.7  0.140 -9.000 -9.000 -999.  128.     21.6  0.06   0.34   1.00    1.84  295.    7.9  295.9    2.0
19 01 01   1 20  -13.3  0.147 -9.000 -9.000 -999.  135.     23.6  0.04   0.34   1.00    2.13  331.    7.9  295.4    2.0
19 01 01   1 21  -24.4  0.252 -9.000 -9.000 -999.  303.     69.8  0.10   0.34   1.00    2.86   10.    7.9  295.4    2.0
19 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.34   1.00    0.00    0.    7.9  294.9    2.0
19 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.34   1.00    0.00    0.    7.9  294.9    2.0
19 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   0.34   1.00    0.00    0.    7.9  294.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 19 01 01 01    7.9 1  135.    1.50   294.9   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019            ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                    ***       15:12:07
                                                                                 PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE PERIOD (  8760 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL
***
                          INCLUDING SOURCE(S):     TANK       ,

                          *** NETWORK ID: POL1     ;  NETWORK TYPE: GRIDPOLR ***

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

  DIRECTION |                                    DISTANCE (METERS)
  (DEGREES) |      100.00      200.00      300.00      400.00      500.00      600.00      700.00      800.00      900.00
 ---------------------------------------------------------------------------------------------------------------------

      10.00 |   686.18653   224.89332   113.80844    69.79943    47.35545    34.76348    26.82882    21.29878    17.12588
      20.00 |   679.42714   216.82788   106.34107    63.32495    42.34549    30.31662    23.18489    18.23736
14.61535
      30.00 |   698.11413   216.49280   104.36370    61.81832    40.87216    29.60491    22.46812    17.63573    14.35036
      40.00 |   804.32576   247.19615   117.56284    69.00884    45.64248    32.53833    25.10895    19.67912    15.91252
      50.00 |   898.57052   272.49577   129.59018    76.25556    49.22858    34.98440    27.01587    21.15254
17.08055
      60.00 |   918.87579   280.50181   134.50775    79.39151    51.68245    37.39752    28.11924    22.03254    17.62382
      70.00 |   893.57450   275.80347   132.04983    77.45929    50.19685    34.53023    27.49382    21.38180
16.30832
      80.00 |   833.06644   258.94496   125.50169    73.36884    48.14431    34.57008    25.94800    20.05036
15.24102
      90.00 |   728.65301   235.36013   115.34869    69.00014    45.77855    32.69644    24.88171    19.07919    15.25921
     100.00 |   630.81776   213.86588   106.95478    65.12649    44.33315    31.69626    24.35271    18.62751
15.05350
     110.00 |   621.46428   219.07696   113.59803    71.62185    48.38814    35.08547    27.31079    20.39938
16.04226
     120.00 |   687.32474   261.76586   142.35054    90.87570    62.93092    46.68320    36.29955    28.54743
22.14825
     130.00 |   744.90663   292.60253   164.77096   107.01115    75.30483    56.19181    44.00291    35.36097
28.59344
     140.00 |   739.26506   291.52070   163.45952   105.87294    74.85831    55.39224    43.87742    35.16971
```

28.77786
150.00 | 714.67774 280.68288 155.50355 98.81131 69.22420 51.87241 40.34490 32.40980
26.93091
160.00 | 696.92087 271.80734 151.01430 94.86295 65.40675 48.50023 37.53324 30.51739
25.55662
170.00 | 699.96920 273.06152 147.52874 95.17756 64.44534 47.65519 36.98527 29.67726
23.03295
180.00 | 731.83045 276.86074 147.31333 91.63295 63.21386 46.30576 35.81182 28.65929
23.42829
190.00 | 806.36726 302.60612 158.84539 98.29367 67.09016 49.00161 37.71937 30.16011
24.52468
200.00 | 919.22115 343.45390 180.09098 113.07939 77.25611 56.96941 43.76340 35.09715
28.88314
210.00 | 1031.24947 379.07694 194.27714 120.43576 83.03768 60.79831 45.69241 37.07102
30.34261
220.00 | 1139.74035 409.00832 208.46169 128.29977 88.02774 64.68216 44.45439 37.81620
32.29359
230.00 | 1227.67476 437.90014 228.38641 141.31843 97.55375 71.56565 55.46916 44.27710
36.27081
240.00 | 1251.99536 450.16877 234.79938 146.55453 100.83316 74.03989 57.50467 45.98480
37.82340
250.00 | 1161.28357 406.04270 211.56854 131.64842 89.50461 66.28273 51.06172 40.83348
33.46940
260.00 | 989.94142 330.67366 169.00202 101.97483 69.60968 50.60654 38.60152 30.65638
24.88754
270.00 | 824.84448 268.68464 134.38225 81.15156 54.89974 39.10391 29.97576 23.56425
19.26349
280.00 | 720.46018 238.21930 120.41168 75.53729 51.23275 37.56739 28.83565 23.03026
18.93518
290.00 | 677.56465 226.59631 117.53764 73.62114 50.42040 37.38483 28.91825 23.15854
19.06578
300.00 | 650.05595 221.43976 112.64092 69.84963 47.79541 34.94850 26.94469 21.44898
17.42962
310.00 | 626.27815 209.14576 108.89205 66.93436 46.09653 33.90288 25.91887 20.63203
16.81078
320.00 | 611.06323 201.34157 102.50761 63.48957 43.81466 31.99688 24.55098 19.43785
15.89617
330.00 | 563.11215 183.23161 91.27838 55.85662 38.20655 27.77868 21.23497 16.54510 13.37913
340.00 | 509.66469 161.30938 79.96438 48.03894 32.89760 23.67697 18.04424 13.90907 11.14205
350.00 | 504.37338 160.49166 79.04247 47.58572 32.26546 23.22409 17.52068 13.61138 10.84654
360.00 | 599.98192 195.55953 99.00515 60.09875 40.96659 30.01140 22.86971 17.83790 14.37642

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:12:07

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00	14.21154	12.02045	10.34393	9.01287	7.92282	7.04774	6.32564	5.71843	5.19562
20.00	11.91806	9.87835	8.41539	7.31247	6.39951	5.65367	5.05709	4.57595	4.13058
30.00	11.83539	9.98749	8.54137	7.35567	6.45547	5.73756	5.12466	4.61269	4.17965

40.00	13.07644	11.16122	9.50014	8.21714	7.18019	6.34202	5.64839	5.06964	4.58566
50.00	13.95229	11.31427	9.57186	8.23126	7.11124	6.23176	5.57423	4.97485	4.50411
60.00	14.20632	11.89207	10.20216	8.75589	7.63373	6.73731	5.98592	5.37165	4.87509
70.00	13.64708	11.43475	9.75217	8.42938	7.37266	6.49588	5.73491	5.17685	4.66700
80.00	12.32200	10.10774	8.58586	7.43091	6.52752	5.73738	5.06575	4.52392	4.11953
90.00	12.48346	10.43240	8.90379	7.69654	6.71761	5.94219	5.30232	4.75302	4.32580
100.00	12.40127	10.45183	8.97440	7.64587	6.69209	5.91179	5.27561	4.74300	4.27631
110.00	13.45383	11.74759	10.04057	8.63487	7.58673	6.66147	5.87765	5.31786	4.81787
120.00	19.04288	16.05975	14.37703	12.42115	10.92039	9.82053	8.80404	7.94382	7.18312
130.00	24.08982	20.76274	18.14835	15.96250	14.15485	12.65179	11.38384	10.31494	9.39417
140.00	23.92315	20.43825	17.65099	15.45225	13.65748	12.14361	10.89892	9.78821	8.92485
150.00	22.49504	18.72282	16.23123	14.19182	12.51651	11.02247	9.77587	8.99405	8.13057
160.00	21.19372	18.35478	15.80063	13.43628	11.77198	10.58706	9.58609	8.57994	7.75911
170.00	20.72966	17.49868	15.46568	13.47392	11.77247	10.38161	9.36296	8.43200	7.66010
180.00	19.75463	16.64351	14.51166	12.92363	11.35414	9.91018	8.86459	8.01867	7.25463
190.00	20.55085	17.39497	14.97114	13.16121	11.56279	10.56054	9.44646	8.51328	7.70620
200.00	24.27692	20.70777	17.90585	15.61303	13.76670	11.91200	10.96854	10.07141	9.16239
210.00	25.46353	21.64897	18.67534	16.27952	14.37528	12.55912	11.50392	10.37398	9.42466
220.00	26.96850	22.96224	19.80973	17.26614	15.19861	13.55533	12.03469	10.85101	9.86166
230.00	30.39443	25.91478	22.39807	19.53675	17.28101	15.32928	13.79793	12.53624	11.39174
240.00	31.68140	26.93699	23.29370	20.39023	18.02596	16.04200	14.43200	13.04896	11.81838
250.00	28.18453	24.01882	20.77014	18.15936	16.06811	14.33577	12.88265	11.65215	10.60352
260.00	20.81380	17.64613	15.19662	13.28556	11.72473	10.43856	9.35095	8.47162	7.70727
270.00	16.17639	13.58624	11.66733	10.14558	8.85594	7.83426	6.99612	6.31416	5.74077
280.00	15.81258	13.50695	11.59589	10.05377	8.84677	7.81540	7.05574	6.40532	5.84333
290.00	16.00027	13.63512	11.86069	10.38230	9.21361	8.26108	7.44910	6.75845	6.17248
300.00	14.49352	12.18674	10.58803	9.26424	8.18404	7.19092	6.50582	5.89168	5.35823
310.00	14.12407	12.00949	10.37879	9.01452	7.93434	7.19584	6.42819	5.83422	5.31337
320.00	13.40299	11.40873	9.77887	8.53854	7.53626	6.71688	6.09187	5.52906	4.99128
330.00	11.18219	9.34710	8.16590	7.14054	6.28544	5.59010	5.01500	4.52665	4.15710
340.00	9.26308	7.83319	6.76747	5.90368	5.19375	4.56107	4.13520	3.72581	3.43961
350.00	8.97781	7.60090	6.49620	5.65119	4.97309	4.40972	3.92485	3.54918	3.20570
360.00	11.94930	10.20275	8.73294	7.57839	6.67191	5.87928	5.27196	4.75070	4.30173

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	4.75935	4.37265
20.00	3.73945	3.40246
30.00	3.80855	3.47716
40.00	4.16486	3.80027
50.00	4.09560	3.72202
60.00	4.44443	4.06007
70.00	4.23990	3.85823
80.00	3.68630	3.33653
90.00	3.91350	3.57472
100.00	3.91576	3.56797
110.00	4.40264	4.03142

120.00	6.56264	6.01643
130.00	8.58133	7.90045
140.00	8.14548	7.48365
150.00	7.40384	6.81193
160.00	7.08641	6.51587
170.00	6.95999	6.38788
180.00	6.63313	6.06833
190.00	6.86947	6.28269
200.00	8.33396	7.64288
210.00	8.52117	7.80565
220.00	9.00672	8.33842
230.00	10.35585	9.56535
240.00	10.80730	9.95812
250.00	9.69470	8.89859
260.00	7.06038	6.43323
270.00	5.23007	4.77858
280.00	5.34180	4.87871
290.00	5.67133	5.23591
300.00	4.88488	4.45232
310.00	4.88290	4.48835
320.00	4.61259	4.23817
330.00	3.83356	3.50432
340.00	3.13453	2.86956
350.00	2.91424	2.67524
360.00	3.93937	3.61481

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TANK :	375.70	118.90	98.08679	TANK :	498.87	129.50	74.96877
TANK :	81.43	359.00	789.27771	TANK :	116.79	44.50	664.09894
TANK :	109.20	67.00	787.16064	TANK :	100.70	93.73	681.10095
TANK :	87.91	103.99	724.67723	TANK :	99.82	123.38	711.89955
TANK :	138.00	141.00	492.65700	TANK :	106.00	180.00	681.04749
TANK :	115.60	206.00	816.93966	TANK :	54.00	270.00	1935.12292
TANK :	97.00	326.00	611.59304	TANK :	133.94	242.10	813.34864
TANK :	101.99	301.65	626.52732	TANK :	236.54	274.95	189.90524

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	42389.27391 (19120719)	19228.83827 (19120719)	11759.83595 (19120719)	8143.65671 (19120719)	6091.98080 (19120719)
20.0	40866.41225 (19120718)	18406.33865 (19120718)	11131.05282 (19120718)	7668.33002 (19120718)	5708.11921 (19020307)
30.0	36790.34178 (19120818)	16886.75165 (19120818)	10356.58583 (19120818)	7206.65267 (19120818)	5409.81786 (19120818)
40.0	39655.96923 (19021919)	18355.14482 (19021919)	11239.18420 (19021919)	7828.53793 (19021919)	5877.23741 (19021919)
50.0	41945.49912 (19080406)	18743.86521 (19080406)	11240.79607 (19080406)	7654.28892 (19080406)	5731.99772 (19080406)
60.0	49123.53776 (19011220)	19882.76139 (19011220)	11266.77817 (19011220)	7570.98881 (19112720)	5651.19075 (19112720)
70.0	50442.07482 (19112721)	21047.41209 (19112721)	12148.68083 (19112721)	8136.82554 (19112721)	6154.02571 (19112721)
80.0	36782.03286 (19112721)	16621.43313 (19081720)	9939.56976 (19081720)	6749.80457 (19081720)	4971.24936 (19081720)
90.0	38371.19369 (19042106)	17428.31919 (19042106)	10425.82826 (19042106)	7036.97833 (19042106)	5192.60721 (19042106)
100.0	36541.28015 (19120421)	16410.76821 (19120421)	9718.86163 (19120421)	6526.95960 (19120421)	4698.04955 (19120421)
110.0	38557.98687 (19112619)	15025.46522 (19091521)	9028.81784 (19091521)	6049.47513 (19091521)	4480.83704 (19091521)
120.0	49004.89994 (19112619)	19754.10260 (19112619)	11148.63715 (19112619)	7274.63871 (19112619)	5310.04005 (19112619)
130.0	42699.34435 (19112619)	17474.81579 (19112619)	9913.19647 (19111119)	6714.35805 (19111119)	4981.22015 (19111119)
140.0	43941.80089 (19111821)	17969.96075 (19020406)	10605.70418 (19020406)	7135.11874 (19020406)	5195.01496 (19020406)
150.0	44631.07373 (19111821)	18922.23260 (19111821)	10922.99073 (19111821)	7402.72096 (19111821)	5413.52786 (19111821)
160.0	40341.03337 (19091706)	18558.53125 (19091706)	10999.83679 (19091706)	7561.77447 (19091706)	5652.12273 (19091706)
170.0	46381.19664 (19112808)	20789.40232 (19112808)	12314.14177 (19112808)	8227.78939 (19112808)	6289.09053 (19112808)
180.0	39417.09151 (19120720)	18311.73842 (19120720)	10945.10096 (19120720)	7545.78006 (19120720)	5614.38468 (19120720)
190.0	33651.70699 (19010808)	15008.25390 (19010808)	8870.98338 (19010808)	6075.64683 (19010808)	4548.26816 (19010808)
200.0	34948.30215 (19092406)	15330.29445 (19092406)	9025.89511 (19092406)	6073.93062 (19092406)	4586.12641 (19092406)
210.0	30236.74625 (19020508)	13678.41962 (19020508)	8169.34906 (19020508)	5577.67568 (19020508)	4082.70148 (19020508)
220.0	30946.38618 (19081721)	11756.80451 (19081721)	6504.38134 (19081721)	4157.19555 (19081721)	3007.11370 (19081721)
230.0	35520.04795 (19081721)	14595.80608 (19081721)	8435.27366 (19010806)	5777.99228 (19010806)	4237.32153 (19010806)
240.0	36341.49025 (19011221)	14857.48064 (19011221)	8554.27036 (19011221)	5768.87217 (19020808)	4301.32454 (19020808)
250.0	38340.87261 (19011221)	15991.36232 (19011221)	9275.90959 (19011221)	6225.72737 (19011221)	4711.83879 (19011221)
260.0	35453.95849 (19010220)	15515.80405 (19010220)	9203.20647 (19010220)	6377.84544 (19010220)	4730.15707 (19010220)
270.0	36648.22012 (19071506)	15678.84034 (19071506)	9229.34327 (19071506)	6272.16847 (19071506)	4603.47760 (19071506)
280.0	40256.16750 (19112008)	17574.02767 (19112008)	10538.87385 (19112008)	7111.54053 (19112008)	5308.35432 (19112008)

290.0 | 39980.56238 (19090806) 17122.34670 (19090806) 10112.08470 (19090806) 6832.07511 (19090806) 5095.50374 (19090806)
300.0 | 39840.65232 (19090807) 17316.04281 (19090807) 10301.98426 (19090807) 7007.70435 (19090807) 5181.01085 (19090807)
310.0 | 37700.13498 (19012906) 16524.21822 (19012906) 9781.11925 (19012906) 6679.52349 (19012906) 4900.76865 (19012906)
320.0 | 36582.63420 (19020306) 14867.45390 (19020306) 8926.28600 (19062406) 6140.69637 (19062406) 4525.14121 (19062406)
330.0 | 31926.74373 (19042407) 14356.04841 (19042407) 8639.94609 (19042407) 5953.43896 (19042407) 4419.41157 (19042407)
340.0 | 38920.47890 (19121620) 16743.73895 (19121620) 9833.40468 (19121620) 6648.53840 (19121620) 4797.69130 (19121620)
350.0 | 42676.53887 (19042306) 17567.89996 (19042306) 10212.52911 (19042306) 6874.62683 (19042306) 4981.28088 (19042306)
360.0 | 41780.83153 (19042306) 16072.06233 (19042306) 8987.60576 (19092707) 6227.98261 (19092707) 4626.92946 (19092707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	4744.63726 (19120719)	3778.07727 (19120719)	3128.51002 (19120719)	2759.13871 (19120719)	2433.82786 (19120719)
20.0	4481.03422 (19020307)	3588.00681 (19020307)	2951.71005 (19020307)	2533.75951 (19020307)	2225.56221 (19020307)
30.0	4236.37631 (19120818)	3428.96009 (19120818)	2853.73680 (19120818)	2392.38860 (19120818)	2081.73146 (19120818)
40.0	4639.82212 (19021919)	3676.74162 (19021919)	3039.15088 (19021919)	2555.90962 (19021919)	2228.76842 (19021919)
50.0	4469.99179 (19080406)	3457.29090 (19080406)	2799.44332 (19080406)	2280.31351 (19121618)	1973.81829 (19121618)
60.0	4284.12618 (19112720)	3403.26886 (19112720)	2696.62645 (19112720)	2287.21648 (19112720)	2124.66243 (19112720)
70.0	5051.99216 (19112721)	3438.34952 (19112721)	2793.41233 (19112721)	2923.67543 (19112721)	2423.99855 (19112721)
80.0	3720.27003 (19081720)	2895.57027 (19081720)	2411.10811 (19081720)	2329.00290 (19081720)	2044.60251 (19081720)
90.0	4022.26690 (19042106)	3051.98353 (19042106)	2756.73288 (19042106)	2390.35401 (19042106)	2119.95009 (19042106)
100.0	3684.12075 (19120421)	2816.14138 (19120421)	2507.03101 (19120421)	2126.99900 (19120421)	1871.63381 (19120421)
110.0	3499.00307 (19091521)	2679.21337 (19091521)	2442.74335 (19091521)	2147.22163 (19091521)	1849.88904 (19091521)
120.0	4049.84492 (19112619)	3103.84958 (19112619)	2738.54895 (19112619)	2573.43830 (19112619)	2158.93292 (19112619)
130.0	3867.99113 (19111119)	2967.88533 (19111119)	2539.63078 (19111119)	2366.31913 (19070106)	2064.76330 (19070106)
140.0	4056.55374 (19020406)	3000.68813 (19020406)	2406.36003 (19020406)	2030.74706 (19020406)	1949.64818 (19020406)

150.0 | 4110.26937 (19111821) 3252.98311 (19111821) 2649.85795 (19111821) 2090.52056 (19112807) 1810.55549 (19112807)
160.0 | 4401.04025 (19091706) 3564.63551 (19091706) 2872.34458 (19091706) 2273.13954 (19091706) 2017.83403 (19091706)
170.0 | 4921.28839 (19112808) 3978.90151 (19112808) 3297.57788 (19112808) 3070.14449 (19112808) 2295.87976 (19112808)
180.0 | 4411.05706 (19120720) 3574.01748 (19120720) 2951.17730 (19120720) 2509.51801 (19120720) 2114.73877 (19120720)
190.0 | 3584.79284 (19010808) 2899.69053 (19010808) 2391.84238 (19010808) 2043.99137 (19010808) 1749.05145 (19010808)
200.0 | 3603.16566 (19092406) 2953.17393 (19092406) 2427.44370 (19092406) 2035.52870 (19092406) 1733.72492 (19092406)
210.0 | 3191.70475 (19020508) 2702.95320 (19020508) 2140.92454 (19020508) 1820.91928 (19020508) 1518.54788 (19020508)
220.0 | 2272.67419 (19072621) 2026.87919 (19072621) 1702.06967 (19072621) 1312.52274 (19072621) 1122.10956 (19072621)
230.0 | 3385.95946 (19010806) 2649.90925 (19010806) 2173.99506 (19010806) 1832.72354 (19010806) 1586.46136 (19010806)
240.0 | 3436.86828 (19020808) 2715.43110 (19020808) 2249.17680 (19020808) 1901.81007 (19020808) 1634.60179 (19020808)
250.0 | 3632.26930 (19011221) 2948.26223 (19112007) 2451.05601 (19112007) 2100.43470 (19112007) 1753.43876 (19112007)
260.0 | 3712.38529 (19010220) 3006.97344 (19010220) 2496.39100 (19010220) 2131.40948 (19010220) 1828.71892 (19010220)
270.0 | 3671.78044 (19071506) 2939.63261 (19071506) 2446.53251 (19071506) 2042.61113 (19071506) 1712.50655 (19071506)
280.0 | 4140.34588 (19112008) 3363.71136 (19112008) 2769.76535 (19112008) 2314.39798 (19112008) 2005.54712 (19112008)
290.0 | 3922.91178 (19090806) 3167.43178 (19090806) 2621.17815 (19090806) 2220.58904 (19090806) 1922.92724 (19090806)
300.0 | 4036.32702 (19090807) 3237.57358 (19090807) 2686.99573 (19090807) 2312.19024 (19090807) 2031.77393 (19090807)
310.0 | 3799.79933 (19012906) 3105.64195 (19020306) 2604.23421 (19020306) 2249.18939 (19020306) 1915.19868 (19020306)
320.0 | 3552.09308 (19062406) 2909.39635 (19062406) 2461.16873 (19062406) 2118.24576 (19062406) 1801.69090 (19062406)
330.0 | 3456.01518 (19042407) 2809.62357 (19042407) 2400.81295 (19042407) 2072.28008 (19042407) 1800.16031 (19042407)
340.0 | 3758.88610 (19121620) 3019.93056 (19121620) 2565.66766 (19121620) 2191.06036 (19121620) 1900.61021 (19121620)
350.0 | 3836.15214 (19042306) 3103.06207 (19042306) 2639.58248 (19042306) 2309.98330 (19042306) 2008.76962 (19042306)
360.0 | 3581.07722 (19092707) 2872.61492 (19092707) 2431.43226 (19092707) 2083.46974 (19092707) 1780.14946 (19092707)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00

10.0 | 2147.47748 (19120719) 1921.75212 (19120719) 1714.32375 (19120719) 1561.05248 (19120719) 1426.66981 (19120719)
20.0 | 1989.06439 (19120718) 1765.41222 (19120718) 1569.71132 (19020307) 1415.37689 (19020307) 1282.34649 (19020307)
30.0 | 1822.02105 (19120818) 1608.91978 (19120818) 1463.43587 (19120818) 1328.43248 (19120818) 1189.64821 (19120818)
40.0 | 1788.68140 (19021919) 1587.74748 (19021919) 1422.90290 (19021919) 1285.58439 (19021919) 1169.68880 (19021919)
50.0 | 1901.27174 (19121618) 1709.54702 (19121618) 1536.48102 (19121618) 1419.11950 (19121618) 1306.83553 (19121618)
60.0 | 1897.22044 (19112720) 1640.92551 (19112720) 1503.11567 (19112720) 1347.20119 (19112720) 1223.00429 (19112720)
70.0 | 2133.34015 (19112721) 1876.75498 (19112721) 1670.25336 (19112721) 1505.68005 (19112721) 1366.78720 (19112721)
80.0 | 1823.88390 (19081720) 1618.27344 (19081720) 1439.24317 (19081720) 1276.98004 (19081720) 1153.95193 (19081720)
90.0 | 1900.34091 (19042106) 1686.04575 (19042106) 1527.71971 (19042106) 1392.06649 (19042106) 1256.04750 (19042106)
100.0 | 1633.31199 (19120421) 1439.97632 (19120421) 1308.45267 (19120421) 1187.88295 (19120421) 1092.34915 (19120421)
110.0 | 1537.79667 (19091521) 1374.87431 (19091521) 1258.84735 (19091521) 1138.32682 (19091521) 1055.25546 (19091521)
120.0 | 1872.48440 (19112619) 1557.53844 (19112619) 1409.65958 (19112619) 1287.48123 (19112619) 1123.14004 (19112619)
130.0 | 1801.95381 (19070106) 1547.70845 (19070106) 1348.89334 (19070106) 1201.92266 (19070106) 1091.06420 (19070106)
140.0 | 1712.24145 (19020406) 1522.92180 (19020406) 1349.98819 (19020406) 1207.98535 (19020406) 1106.67390 (19102221)
150.0 | 1807.72480 (19111821) 1573.92097 (19111821) 1400.82353 (19111821) 1265.86986 (19111821) 1228.64575 (19111821)
160.0 | 1636.96836 (19091706) 1451.77552 (19091706) 1476.05567 (19091706) 1384.10814 (19091706) 1217.68790 (19091706)
170.0 | 2088.99365 (19112808) 1649.60040 (19112808) 1477.39124 (19112808) 1411.43629 (19112808) 1352.16553 (19112808)
180.0 | 1895.13129 (19120720) 1610.04439 (19120720) 1334.46814 (19120720) 1206.13151 (19120720) 1177.05026 (19120720)
190.0 | 1548.55761 (19010808) 1382.90999 (19010808) 1180.67896 (19010808) 1097.59383 (19010808) 853.10366 (19010808)
200.0 | 1522.70350 (19092406) 1334.62499 (19092406) 1223.63435 (19092406) 1146.83493 (19092406) 1203.90238 (19092406)
210.0 | 1329.27271 (19020508) 1164.07309 (19020508) 1051.29242 (19020508) 939.89088 (19020508) 911.01879 (19020508)
220.0 | 954.87751 (19100906) 823.18622 (19100906) 728.58819 (19100906) 675.94472 (19100906) 616.75637 (19100906)
230.0 | 1396.58114 (19010806) 1227.11513 (19010806) 1042.27796 (19010806) 949.46332 (19010806) 815.90893 (19010806)
240.0 | 1431.81461 (19020808) 1250.03182 (19020808) 1137.28874 (19020808) 1019.15150 (19020808) 883.75147 (19020808)
250.0 | 1527.14730 (19112007) 1332.77258 (19112007) 1191.46792 (19112007) 1070.43902 (19112007) 959.24293 (19112007)
260.0 | 1597.91240 (19010220) 1413.03711 (19010220) 1257.78822 (19010220) 1122.24964 (19010220) 1010.55095 (19010220)
270.0 | 1499.00831 (19071506) 1313.68368 (19071506) 1184.83165 (19071506) 1077.24276 (19071506) 980.59272 (19071506)
280.0 | 1719.92582 (19112008) 1581.19838 (19112008) 1463.61548 (19112008) 1348.54638 (19112008) 1265.58961 (19112008)
290.0 | 1740.79672 (19090806) 1548.69134 (19090806) 1415.53223 (19090806) 1281.25700 (19090806) 1167.86538 (19090806)
300.0 | 1832.52655 (19090807) 1596.94835 (19090807) 1424.40625 (19090807) 1289.36732 (19090807) 1213.03554 (19090807)
310.0 | 1694.52848 (19020306) 1528.38777 (19020306) 1398.74007 (19020306) 1269.73518 (19020306) 1102.37809 (19020306)

320.0 | 1577.01860 (19062406) 1454.65087 (19062406) 1318.72925 (19062406) 1202.95980 (19062406) 1103.09667 (19062406)
330.0 | 1611.21709 (19042407) 1412.99262 (19042407) 1259.64387 (19042407) 1150.37127 (19042407) 1047.76174 (19042407)
340.0 | 1685.27763 (19121620) 1482.47215 (19121620) 1322.63110 (19121620) 1183.60897 (19121620) 1057.95495 (19121620)
350.0 | 1756.77843 (19042306) 1572.71199 (19042306) 1401.44298 (19042306) 1261.32881 (19042306) 1147.90397 (19042306)
360.0 | 1542.27601 (19092707) 1344.37220 (19092707) 1204.09903 (19092707) 1091.31707 (19092707) 1007.03197 (19092707)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	1309.58465 (19120719)	1200.55336 (19120719)	1107.32688 (19120719)	1008.37212 (19120719)	916.02723 (19120719)
20.0	1158.78600 (19020307)	1032.24518 (19020307)	954.84899 (19020307)	897.24483 (19020307)	844.25491 (19020307)
30.0	1080.07859 (19120818)	994.31032 (19120818)	915.59768 (19120818)	842.73779 (19120818)	785.68863 (19120818)
40.0	1070.75862 (19021919)	985.46865 (19021919)	911.29208 (19021919)	846.27731 (19021919)	788.89501 (19021919)
50.0	1177.24078 (19121618)	1096.83162 (19121618)	1003.12454 (19121618)	924.48021 (19121618)	872.70244 (19121618)
60.0	1121.76553 (19112720)	1047.12807 (19112720)	939.74026 (19112720)	867.69665 (19112720)	817.71475 (19112720)
70.0	1313.10378 (19112721)	1157.57774 (19112721)	1075.88998 (19112721)	991.83756 (19112721)	949.87484 (19112721)
80.0	1052.85057 (19081720)	961.47800 (19081720)	860.23193 (19081720)	833.48962 (19081720)	787.03475 (19081720)
90.0	1136.55326 (19042106)	1048.86489 (19042106)	921.06714 (19042106)	885.95307 (19042106)	831.70131 (19042106)
100.0	1006.33455 (19120421)	921.96899 (19120421)	856.37004 (19120421)	776.66710 (19120421)	726.95249 (19120421)
110.0	986.41505 (19091521)	897.71156 (19091521)	823.24506 (19091521)	753.79161 (19091521)	697.35989 (19091521)
120.0	1041.63882 (19112619)	968.58628 (19112619)	914.49757 (19112619)	837.83631 (19112619)	762.67327 (19112619)
130.0	1011.66677 (19070106)	951.17721 (19070106)	891.88470 (19070106)	850.64823 (19070106)	780.65650 (19070106)
140.0	1013.53779 (19102221)	952.29089 (19102221)	882.96059 (19102221)	831.07885 (19102221)	768.35808 (19102221)
150.0	1155.83177 (19111821)	998.86563 (19111821)	932.27058 (19112807)	871.88279 (19112807)	825.48206 (19112807)
160.0	1035.30464 (19091706)	1008.31408 (19091706)	933.96160 (19091706)	875.80562 (19091706)	808.79576 (19091706)
170.0	1202.39985 (19112808)	1125.77611 (19112808)	1057.85442 (19112808)	991.31857 (19112808)	936.50043 (19112808)

180.0	1094.12730 (19120720)	991.04946 (19120720)	925.98370 (19120720)	862.99518 (19120720)	819.50188 (19120720)
190.0	781.08953 (19010808)	718.98835 (19010808)	664.96722 (19010808)	708.47075 (19010808)	667.09761 (19010808)
200.0	1004.13424 (19092406)	718.80600 (19092406)	664.80795 (19092406)	697.14283 (19092406)	655.12169 (19092406)
210.0	705.31714 (19020508)	649.24671 (19020508)	600.47025 (19020508)	613.08555 (19020508)	566.33756 (19020508)
220.0	633.87294 (19100906)	449.69842 (19100906)	415.78925 (19100906)	386.05601 (19100906)	391.49085 (19100906)
230.0	761.47602 (19010806)	717.13032 (19010806)	653.65003 (19010806)	575.87640 (19010806)	554.48427 (19010806)
240.0	809.23416 (19020808)	733.08129 (19020808)	630.57511 (19020808)	562.35153 (19020808)	564.10049 (19020808)
250.0	875.61552 (19112007)	790.56986 (19112007)	740.84892 (19112007)	651.13280 (19112007)	576.62795 (19111807)
260.0	922.96504 (19010220)	825.63944 (19010220)	747.74375 (19010220)	675.11578 (19010220)	639.59427 (19010220)
270.0	900.62154 (19071506)	817.18108 (19071506)	742.37736 (19071506)	693.79430 (19071506)	650.81720 (19071506)
280.0	1136.06115 (19112008)	1020.77438 (19112008)	940.19655 (19112008)	879.31304 (19112008)	832.19375 (19112008)
290.0	1078.24042 (19090806)	997.03078 (19090806)	926.30686 (19090806)	874.72376 (19090806)	812.54495 (19090806)
300.0	1081.14636 (19090807)	990.92928 (19090807)	912.43797 (19090807)	849.66152 (19090807)	817.05323 (19090807)
310.0	1026.74302 (19020306)	934.77288 (19020306)	866.98780 (19012906)	781.25248 (19020306)	726.48019 (19012906)
320.0	982.48756 (19062406)	889.61450 (19062406)	858.26857 (19062406)	758.52480 (19062406)	704.35220 (19062406)
330.0	957.74393 (19042407)	887.13332 (19042407)	796.79055 (19042407)	717.09505 (19042407)	681.44076 (19042407)
340.0	948.74766 (19121620)	870.68246 (19121620)	794.81973 (19121620)	723.19917 (19121620)	665.19396 (19121620)
350.0	1076.67666 (19042306)	984.53834 (19042306)	910.16620 (19042306)	841.15075 (19042306)	784.32107 (19042306)
360.0	919.22690 (19092707)	828.65569 (19092707)	749.86204 (19092707)	686.42110 (19092707)	634.92441 (19092707)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	7740.85348	(19112619)	TANK	498.87	129.50	4937.05897	(19070106)
TANK	81.43	359.00	55307.38165	(19042306)	TANK	116.79	44.50	33050.06610	(19011219)
TANK	109.20	67.00	45653.01131	(19112721)	TANK	100.70	93.73	34687.77043	(19042106)
TANK	87.91	103.99	40356.12928	(19120421)	TANK	99.82	123.38	48876.17453	(19112619)
TANK	138.00	141.00	29650.94829	(19111821)	TANK	106.00	180.00	37323.05553	(19120720)
TANK	115.60	206.00	28443.34835	(19060406)	TANK	54.00	270.00	71370.46504	(19112006)

TANK : 97.00 326.00 33755.95602 (19062406) TANK : 133.94 242.10 26284.62824 (19011221)
TANK : 101.99 301.65 39056.28360 (19090807) TANK : 236.54 274.95 13435.15723 (19112006)
♀*** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	39954.79931 (19021921)	18261.05021 (19021921)	11234.50162 (19021921)	7806.80112 (19021921)	5847.63207 (19021921)
20.0	39952.28843 (19020308)	18174.40727 (19020307)	11062.31717 (19020307)	7650.64903 (19020307)	5690.64694 (19120718)
30.0	35644.52061 (19020307)	15303.50956 (19010319)	9522.46310 (19010319)	6683.18603 (19010319)	5037.77376 (19010319)
40.0	34718.36052 (19021820)	15609.81473 (19021820)	9326.90093 (19021820)	6534.60315 (19021920)	4941.04581 (19021920)
50.0	38741.58319 (19011219)	17693.88154 (19121618)	10834.50406 (19121618)	7489.42115 (19121618)	5645.41805 (19121618)
60.0	44087.36574 (19112721)	18522.76594 (19112720)	11140.19866 (19112720)	7426.32474 (19011220)	5412.27781 (19011220)
70.0	47201.82428 (19011220)	19260.00769 (19011220)	10953.04096 (19011220)	7237.10202 (19011220)	5373.07523 (19011220)
80.0	36598.35844 (19081720)	13738.43336 (19042106)	7684.95967 (19042106)	5098.22788 (19091520)	3807.18878 (19091520)
90.0	34196.04972 (19111118)	15547.89836 (19111118)	9308.36954 (19111118)	6295.41390 (19111118)	4649.31063 (19021121)
100.0	30563.56445 (19082807)	14345.16415 (19082807)	8707.42552 (19082807)	5950.20921 (19082807)	4320.54606 (19082807)
110.0	32621.14850 (19091521)	14188.64263 (19032221)	8528.48440 (19032221)	5718.28611 (19032221)	4231.58603 (19032221)
120.0	31920.74673 (19081006)	15090.44273 (19031106)	9153.30807 (19031106)	6219.69082 (19031106)	4625.21704 (19031106)
130.0	38723.81929 (19040821)	16708.39105 (19040821)	9893.73364 (19112619)	6679.69235 (19120420)	4953.44473 (19120420)
140.0	39742.56266 (19020406)	17372.62560 (19062606)	10266.43527 (19062606)	6906.30235 (19062606)	5031.12243 (19062606)
150.0	42686.81860 (19111921)	18669.31123 (19111921)	10772.84766 (19111921)	7209.52066 (19111921)	5246.31245 (19112807)
160.0	37465.91719 (19112808)	16952.36300 (19111921)	10036.85470 (19022807)	6833.29203 (19022807)	5026.10959 (19022807)
170.0	40907.22326 (19092407)	18676.68179 (19092407)	11135.64485 (19112806)	7505.80337 (19112806)	5745.40472 (19112806)
180.0	37962.07406 (19070420)	17731.81150 (19070420)	10623.90007 (19070420)	7326.21340 (19070420)	5454.29401 (19070420)
190.0	31827.01254 (19120320)	13845.64008 (19120320)	7999.32462 (19120320)	5389.17223 (19120320)	3907.11277 (19120320)
200.0	34723.77695 (19060406)	15231.16127 (19060406)	8961.43245 (19060406)	6032.13970 (19060406)	4552.14832 (19060406)
210.0	29991.28506 (19041706)	13585.08227 (19041706)	8078.42367 (19041706)	5501.19709 (19041706)	4009.62224 (19041706)

220.0 | 30426.96720 (19010806) 11638.22470 (19010806) 6459.14313 (19010806) 4156.44083 (19021508)
2956.20975 (19072621)
230.0 | 35204.79893 (19010806) 14576.80397 (19010806) 8427.51907 (19081721) 5770.56561 (19081721)
4229.13472 (19081721)
240.0 | 32726.55828 (19081721) 14260.52355 (19020808) 8452.36434 (19020808) 5680.95420 (19011221)
4146.24783 (19011221)
250.0 | 36099.31865 (19112007) 15510.24064 (19112007) 9126.09432 (19112007) 6193.08617 (19112007)
4697.16968 (19112007)
260.0 | 34247.83494 (19112007) 15022.36877 (19010106) 8926.40946 (19010106) 6175.35354 (19010106)
4568.39614 (19010106)
270.0 | 36077.96258 (19112006) 15007.01566 (19112006) 8695.02547 (19112006) 5876.50173 (19112006)
4317.72431 (19010219)
280.0 | 39425.43912 (19112006) 16561.57058 (19112006) 9716.76705 (19112006) 6460.48536 (19112006)
4758.87436 (19112006)
290.0 | 39652.07124 (19111906) 16964.28681 (19111906) 10006.67938 (19111906) 6749.98300 (19111906)
5029.57207 (19111906)
300.0 | 35786.66393 (19090806) 14994.11380 (19042406) 8922.83119 (19042406) 6057.30762 (19042406)
4467.22925 (19042406)
310.0 | 36703.12796 (19020306) 16318.54359 (19020306) 9733.54589 (19020306) 6666.23018 (19020306)
4897.26381 (19020306)
320.0 | 32885.89620 (19062406) 14789.66694 (19062406) 8354.94472 (19020306) 5499.72998 (19020306)
3899.53873 (19112706)
330.0 | 30086.74967 (19062406) 12095.68253 (19062406) 6986.76333 (19041206) 4897.60037 (19041206)
3676.28563 (19041206)
340.0 | 32274.55195 (19042306) 12139.34345 (19042306) 6950.23446 (19050221) 4843.08818 (19050221)
3600.66017 (19050221)
350.0 | 40941.65303 (19121620) 16872.64347 (19121620) 9674.38149 (19121620) 6409.75312 (19121620)
4613.01136 (19121620)
360.0 | 31692.58650 (19092707) 14622.36314 (19092707) 8922.70090 (19042306) 5761.48992 (19042306)
4144.24558 (19042306)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	4563.40160 (19021921)	3641.57298 (19021921)	3016.13968 (19021921)	2650.80920 (19021921)	2333.64360 (19021921)
20.0	4445.38552 (19120718)	3542.84149 (19120718)	2909.26727 (19120718)	2510.42627 (19120718)	2223.96491 (19120718)
30.0	3975.78763 (19010319)	3232.22839 (19010319)	2694.23382 (19010319)	2268.95096 (19010319)	1966.39366 (19010319)
40.0	3916.97860 (19021920)	3149.86173 (19021920)	2615.08563 (19021920)	2207.65810 (19021920)	1924.07535 (19021920)
50.0	4435.50611 (19121618)	3442.95285 (19121618)	2795.98465 (19121618)	2275.90302 (19080406)	1968.73799 (19080406)
60.0	4005.20133 (19011220)	3134.48627 (19011220)	2462.40300 (19011220)	2074.61787 (19011220)	1918.64756 (19011220)
70.0	4184.98391 (19011220)	3003.88547 (19011220)	2439.64764 (19011220)	2336.76229 (19011220)	1981.20345 (19011220)

80.0 | 2919.05692 (19091520) 2300.65313 (19091520) 1915.58386 (19091520) 1771.47635 (19091520) 1551.83274 (19091520)
90.0 | 3608.20713 (19021121) 2755.60124 (19021121) 2467.50445 (19021121) 2133.48999 (19021121) 1885.03425 (19021121)
100.0 | 3408.79567 (19082807) 2623.61870 (19082807) 2352.57707 (19082807) 1998.06139 (19082807) 1753.40908 (19082807)
110.0 | 3298.93018 (19032221) 2537.35897 (19032221) 2277.37693 (19032221) 2011.16980 (19032221) 1734.15473 (19032221)
120.0 | 3567.15969 (19031106) 2774.31563 (19031106) 2435.98811 (19031106) 2224.48430 (19031106) 1901.45156 (19031106)
130.0 | 3845.23446 (19120420) 2947.26800 (19120420) 2526.24572 (19070106) 2349.36901 (19111119) 2050.38827 (19111119)
140.0 | 3936.15995 (19062606) 2907.24808 (19062606) 2331.52561 (19062606) 1972.99441 (19062606) 1887.52451 (19102221)
150.0 | 4038.87117 (19112807) 3223.35179 (19112807) 2642.28373 (19112807) 2065.36336 (19111821) 1787.00169 (19111821)
160.0 | 3881.37777 (19022807) 3159.12227 (19022807) 2559.69659 (19022807) 2035.24053 (19022807) 1794.78985 (19022807)
170.0 | 4508.51980 (19112806) 3652.35103 (19112806) 3031.30926 (19112806) 2807.62971 (19112806) 2112.27214 (19112806)
180.0 | 4286.78404 (19070420) 3474.71974 (19070420) 2870.59023 (19070420) 2441.63420 (19070420) 2058.77964 (19070420)
190.0 | 3015.60503 (19120320) 2437.86540 (19120320) 1998.62420 (19120320) 1652.15320 (19120320) 1389.62244 (19120320)
200.0 | 3567.69984 (19060406) 2910.51066 (19060406) 2386.66427 (19060406) 1996.33482 (19060406) 1696.12724 (19060406)
210.0 | 3104.82367 (19041706) 2625.35986 (19041706) 2079.07213 (19041706) 1768.34908 (19041706) 1474.43711 (19041706)
220.0 | 2268.75028 (19100906) 1991.16755 (19100906) 1685.14465 (19100906) 1309.38445 (19100906) 1120.65543 (19100906)
230.0 | 3381.32423 (19081721) 2643.24322 (19081721) 2167.53209 (19081721) 1826.86786 (19081721) 1581.52083 (19081721)
240.0 | 3282.35682 (19011221) 2574.41295 (19011221) 2076.31991 (19011221) 1754.42007 (19070406) 1507.37304 (19070406)
250.0 | 3618.75880 (19112007) 2941.64591 (19111807) 2449.36430 (19111807) 2097.42950 (19111807) 1753.25508 (19111807)
260.0 | 3581.74113 (19010106) 2909.80724 (19010106) 2426.29100 (19010106) 2083.45184 (19010106) 1795.25359 (19010106)
270.0 | 3435.68299 (19010219) 2770.69147 (19010219) 2325.70749 (19010219) 1958.84022 (19010219) 1653.58669 (19010219)
280.0 | 3704.97127 (19112006) 3002.72032 (19112006) 2445.74103 (19112006) 2026.00571 (19112006) 1730.12464 (19102806)
290.0 | 3874.30598 (19111906) 3128.69384 (19111906) 2586.93067 (19111906) 2185.47750 (19111906) 1884.23657 (19111906)
300.0 | 3485.77664 (19042406) 2801.34439 (19042406) 2324.45344 (19042406) 1973.74940 (19042406) 1690.98158 (19042406)
310.0 | 3798.37818 (19020306) 3103.13054 (19012906) 2593.16357 (19012906) 2223.11054 (19012906) 1885.32529 (19012906)
320.0 | 3056.21365 (19112706) 2451.06178 (19112706) 2019.30922 (19112706) 1736.92152 (19112706) 1480.80120 (19112706)
330.0 | 2892.02987 (19041206) 2358.56846 (19041206) 2005.47985 (19041206) 1728.86259 (19041206) 1506.11655 (19041206)
340.0 | 2834.41433 (19050221) 2294.46027 (19050221) 1966.55124 (19050221) 1701.84392 (19050221) 1480.52863 (19050221)
350.0 | 3535.11932 (19121620) 2767.03186 (19121620) 2321.07995 (19121620) 1944.02678 (19121620) 1651.13626 (19121620)
360.0 | 3083.60327 (19022719) 2511.51740 (19012920) 2113.10363 (19012920) 1809.18778 (19012920) 1572.09191 (19012920)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	2059.23303 (19021921)	1842.55824 (19021921)	1644.82535 (19021921)	1497.49338 (19021921)	1368.58924 (19021921)
20.0	1978.84108 (19020307)	1762.14652 (19020307)	1567.52150 (19120718)	1407.18758 (19120718)	1269.74070 (19120718)
30.0	1717.26831 (19010319)	1513.50906 (19010319)	1364.80507 (19010319)	1235.54810 (19010319)	1108.80679 (19010319)
40.0	1563.76259 (19021920)	1388.21021 (19021920)	1244.14877 (19021920)	1124.11872 (19021920)	1022.79927 (19021920)
50.0	1831.36987 (19080406)	1648.18850 (19080406)	1481.34128 (19080406)	1365.29966 (19080406)	1232.93775 (19080406)
60.0	1717.56035 (19011220)	1475.97930 (19011220)	1325.04316 (19011220)	1178.97681 (19112718)	1088.43997 (19011220)
70.0	1696.00898 (19011220)	1467.60783 (19121619)	1290.61828 (19121619)	1159.92202 (19121619)	1053.65014 (19121619)
80.0	1377.15541 (19091520)	1228.13646 (19091520)	1100.85009 (19091520)	987.33487 (19091520)	895.62378 (19091520)
90.0	1683.87409 (19021121)	1493.71443 (19021121)	1352.31551 (19021121)	1231.50819 (19021121)	1112.67546 (19021121)
100.0	1532.17559 (19082807)	1361.11265 (19082807)	1270.83546 (19082807)	1153.35123 (19082807)	1058.88645 (19082807)
110.0	1448.00540 (19032221)	1294.25443 (19032221)	1166.72960 (19032221)	1041.51923 (19032221)	949.29842 (19032221)
120.0	1696.23595 (19031106)	1403.12595 (19031106)	1307.62313 (19031106)	1196.59694 (19031106)	1057.11738 (19031106)
130.0	1789.37842 (19111119)	1537.50891 (19111119)	1340.86257 (19111119)	1195.15574 (19111119)	1085.02883 (19111119)
140.0	1656.00733 (19062606)	1475.33111 (19062606)	1313.37995 (19062606)	1195.36029 (19102221)	1101.84376 (19020406)
150.0	1788.66951 (19112807)	1564.46622 (19112807)	1394.90673 (19112807)	1260.99933 (19112807)	1220.06135 (19112807)
160.0	1476.25465 (19022807)	1310.35338 (19022807)	1262.31170 (19022807)	1152.37325 (19022807)	1031.23362 (19022807)
170.0	1926.69805 (19112806)	1516.36062 (19112806)	1359.44357 (19112806)	1301.92140 (19112806)	1248.66671 (19112806)
180.0	1844.79996 (19070420)	1568.35951 (19070420)	1295.56097 (19070420)	1170.95681 (19070420)	1147.24659 (19070420)
190.0	1215.52806 (19120320)	1085.64155 (19120320)	934.26866 (19040119)	863.87860 (19040119)	713.31544 (19120320)
200.0	1484.31665 (19060406)	1300.33679 (19060406)	1191.91134 (19060406)	1116.60705 (19060406)	1155.36700 (19060406)
210.0	1290.66361 (19041706)	1130.21543 (19041706)	1020.44520 (19041706)	910.90929 (19041706)	896.31197 (19101406)
220.0	953.24797 (19072621)	819.87659 (19072621)	725.17065 (19072621)	674.97683 (19072621)	616.31816 (19072621)
230.0	1392.43975 (19081721)	1223.22062 (19081721)	1037.62446 (19081721)	945.53082 (19081721)	811.29081 (19081721)
240.0	1319.66351 (19070406)	1152.14426 (19070406)	1047.34442 (19070406)	938.50363 (19070406)	814.34333 (19070406)

250.0 | 1526.51471 (19111807) 1332.35012 (19111807) 1190.27287 (19111807) 1068.76768 (19111807) 957.71834 (19111807)
260.0 | 1570.56274 (19010106) 1388.86636 (19010106) 1236.29973 (19010106) 1103.12415 (19010106) 993.36120 (19010106)
270.0 | 1460.10149 (19010219) 1288.09728 (19010219) 1161.07618 (19010219) 1055.01057 (19010219) 960.57710 (19010219)
280.0 | 1486.33508 (19102806) 1364.19167 (19102806) 1260.60058 (19102806) 1160.27817 (19102806) 1086.47728 (19102806)
290.0 | 1690.84507 (19111906) 1500.03955 (19111906) 1372.33264 (19111906) 1243.49408 (19111906) 1134.57087 (19111906)
300.0 | 1513.52202 (19042406) 1321.80728 (19042406) 1180.72326 (19042406) 1070.02950 (19042406) 990.92916 (19042406)
310.0 | 1659.36978 (19012906) 1498.06326 (19012906) 1386.82943 (19012906) 1268.24125 (19012906) 1083.57934 (19012906)
320.0 | 1292.72048 (19112706) 1120.06205 (19112706) 1014.73070 (19112706) 925.25652 (19112706) 835.11852 (19112706)
330.0 | 1343.05740 (19041206) 1187.16295 (19041206) 1062.49479 (19041206) 969.87991 (19041206) 884.68024 (19041206)
340.0 | 1310.29528 (19050221) 1160.47117 (19050221) 1039.19565 (19050221) 946.17189 (19050221) 875.41268 (19050221)
350.0 | 1445.54016 (19121620) 1285.74217 (19121620) 1111.87093 (19121620) 965.40649 (19121620) 874.17092 (19121620)
360.0 | 1376.46490 (19012920) 1223.76045 (19012920) 1099.46319 (19012920) 992.59518 (19012920) 911.24294 (19012920)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	1256.37466 (19021921)	1152.26333 (19021921)	1063.10785 (19021921)	969.13219 (19021921)	881.41801 (19021921)
20.0	1145.17856 (19120718)	1023.69264 (19120718)	941.88850 (19120718)	881.14732 (19120718)	829.17412 (19120718)
30.0	1007.84517 (19010319)	928.03074 (19010319)	855.12820 (19010319)	787.92430 (19010319)	734.68906 (19010319)
40.0	936.30188 (19021920)	861.72432 (19021920)	796.86034 (19021920)	740.00535 (19021920)	689.82329 (19021920)
50.0	1110.55076 (19080406)	1012.97234 (19080406)	923.91109 (19080406)	849.41649 (19080406)	802.47948 (19080406)
60.0	998.80410 (19011220)	895.37613 (19010420)	828.62736 (19011220)	753.46470 (19011220)	703.85241 (19010420)
70.0	1002.18070 (19121619)	892.51183 (19121619)	829.21592 (19121619)	762.79978 (19121619)	688.13054 (19050606)
80.0	818.82638 (19091520)	750.26150 (19091520)	678.69519 (19091520)	648.94670 (19091520)	610.42063 (19091520)
90.0	1008.28471 (19021121)	930.43335 (19021121)	820.93154 (19021121)	787.32715 (19021121)	738.73704 (19021121)
100.0	974.63302 (19082807)	893.92361 (19082807)	829.83880 (19082807)	755.68915 (19082807)	712.34582 (19082807)

110.0	889.53037 (19032221)	811.49961 (19032221)	746.92504 (19032221)	684.86922 (19032221)	636.21049 (19032221)
120.0	975.37587 (19031106)	899.19988 (19031106)	836.57742 (19031106)	770.82587 (19031106)	717.37938 (19031106)
130.0	1005.88767 (19111119)	942.01852 (19111119)	875.01675 (19111119)	825.47955 (19111119)	756.90796 (19111119)
140.0	1008.72711 (19020406)	949.71599 (19020406)	880.71674 (19020406)	830.03241 (19020406)	766.63090 (19020406)
150.0	1153.44068 (19112807)	996.48494 (19112807)	928.42693 (19111821)	863.72032 (19111821)	817.85567 (19111821)
160.0	888.77339 (19022807)	832.22678 (19022807)	770.98430 (19120318)	728.14426 (19120318)	675.04102 (19120318)
170.0	1109.69272 (19112806)	1039.39347 (19112806)	977.04929 (19112806)	915.80177 (19112806)	864.65660 (19112806)
180.0	1062.40343 (19070420)	962.37411 (19070420)	899.15813 (19070420)	837.98266 (19070420)	795.67499 (19070420)
190.0	653.09614 (19120320)	595.27079 (19120320)	533.82394 (19040119)	559.62132 (19040119)	526.01656 (19040119)
200.0	977.09479 (19060406)	701.10994 (19060406)	648.44348 (19060406)	679.43012 (19060406)	638.43369 (19060406)
210.0	684.76195 (19041706)	630.32779 (19041706)	582.97445 (19041706)	593.33743 (19101406)	560.70089 (19101406)
220.0	626.33057 (19072621)	444.87888 (19072621)	411.37771 (19072621)	382.01720 (19072621)	389.60660 (19072621)
230.0	757.74731 (19081721)	713.85859 (19081721)	650.47539 (19081721)	572.79130 (19081721)	551.63292 (19081721)
240.0	745.49687 (19070406)	675.32072 (19070406)	580.91389 (19070406)	517.69557 (19070406)	519.58850 (19070406)
250.0	873.82380 (19111807)	789.20366 (19111807)	739.20587 (19111807)	650.46961 (19111807)	576.44965 (19112007)
260.0	907.26598 (19010106)	811.67609 (19010106)	735.14894 (19010106)	663.80893 (19010106)	628.84000 (19010106)
270.0	882.04386 (19010219)	802.11052 (19010219)	730.59703 (19010219)	682.27351 (19010219)	639.53695 (19010219)
280.0	977.42748 (19102806)	879.93968 (19102806)	810.83710 (19102806)	758.18359 (19102806)	717.07816 (19102806)
290.0	1048.00728 (19111906)	969.07656 (19111906)	900.28495 (19111906)	849.92610 (19111906)	789.57542 (19111906)
300.0	895.52826 (19042406)	814.16883 (19042406)	739.59650 (19042406)	670.76267 (19042406)	636.85216 (19042406)
310.0	1024.09816 (19012906)	933.05870 (19012906)	865.35712 (19020306)	779.10981 (19012906)	726.13102 (19020306)
320.0	755.49690 (19112706)	685.20518 (19112706)	646.24673 (19021707)	579.77432 (19021707)	539.04257 (19021707)
330.0	809.94384 (19041206)	749.93261 (19041206)	677.40000 (19041206)	612.00530 (19041206)	580.58755 (19041206)
340.0	787.96965 (19050221)	728.87068 (19050221)	645.77159 (19050221)	599.95675 (19050221)	565.74408 (19050221)
350.0	819.64007 (19121620)	749.17528 (19121620)	657.79860 (19121620)	590.60697 (19121620)	553.98785 (19121620)
360.0	837.99329 (19012920)	774.11595 (19012920)	717.87842 (19012920)	664.73523 (19012920)	618.33928 (19012920)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK :	375.70	118.90	6616.42985	(19031106)	TANK :	498.87	129.50	4915.91675	(19111119)
TANK :	81.43	359.00	41328.06384	(19121620)	TANK :	116.79	44.50	32503.19432	(19021919)
TANK :	109.20	67.00	45008.93532	(19011220)	TANK :	100.70	93.73	32241.00959	(19111118)
TANK :	87.91	103.99	34485.45048	(19091521)	TANK :	99.82	123.38	34283.88961	(19070106)
TANK :	138.00	141.00	28170.52931	(19020406)	TANK :	106.00	180.00	35966.24654	(19070420)
TANK :	115.60	206.00	27043.73958	(19041706)	TANK :	54.00	270.00	71358.32533	(19071506)
TANK :	97.00	326.00	31472.41134	(19020306)	TANK :	133.94	242.10	23292.42586	(19020808)
TANK :	101.99	301.65	34011.98280	(19042406)	TANK :	236.54	274.95	12523.65519	(19011306)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	34588.02928 (19020308)	15787.04459 (19010321)	9860.90214 (19010321)	6919.33389 (19010321)	5206.12361 (19010321)
20.0	39821.97804 (19020307)	17796.42005 (19020308)	10637.52233 (19020308)	7249.82182 (19020308)	5345.94898 (19020308)
30.0	33201.58053 (19021820)	15099.59345 (19021820)	9123.84955 (19021820)	6244.08379 (19021820)	4577.01137 (19021820)
40.0	33847.02390 (19011219)	14912.47261 (19021920)	9283.93370 (19021920)	6364.27952 (19021820)	4651.06814 (19021820)
50.0	38322.14186 (19121618)	17652.03394 (19011219)	10700.49756 (19011219)	7343.16559 (19011219)	5493.76940 (19011219)
60.0	40845.75035 (19112720)	16744.53893 (19112721)	9598.59143 (19121619)	6441.05811 (19112718)	4818.67899 (19112718)
70.0	38979.83680 (19121619)	17362.39746 (19121619)	10257.70426 (19121619)	6904.19355 (19121619)	5145.01677 (19121619)
80.0	33839.93511 (19042106)	13677.47647 (19112721)	7416.82000 (19050606)	4936.72213 (19050606)	3613.64571 (19123019)
90.0	32959.76578 (19021121)	15275.70794 (19021121)	9236.64867 (19021121)	6284.50252 (19021121)	4648.01608 (19111118)
100.0	26682.02625 (19020321)	12778.69661 (19020321)	7750.52674 (19020321)	5281.86275 (19020321)	3849.88815 (19120618)
110.0	30663.34623 (19032221)	13387.07184 (19010119)	7966.25792 (19010119)	5317.39574 (19010119)	3911.60152 (19010119)
120.0	31729.28448 (19031106)	14765.82603 (19081006)	8813.54262 (19081006)	5922.25510 (19081006)	4382.57096 (19081006)
130.0	37181.57816 (19102220)	16468.43379 (19102220)	9879.37596 (19120420)	6603.05138 (19070106)	4907.23501 (19070106)
140.0	38359.11475 (19062606)	17250.88959 (19111821)	9759.68496 (19102221)	6675.07684 (19102221)	4900.29573 (19102221)

150.0 | 34816.62897 (19112807) 16790.08799 (19112807) 10223.76411 (19112807) 7069.34660 (19112807) 5187.50011 (19111921)
160.0 | 37350.19015 (19111921) 16923.26679 (19022807) 9946.00173 (19111921) 6713.68636 (19111921) 4897.70032 (19111921)
170.0 | 39778.77025 (19112806) 18552.68973 (19112806) 11110.80091 (19092407) 7431.42689 (19092407) 5658.46966 (19092407)
180.0 | 35376.84312 (19120320) 15265.11910 (19120320) 9275.69386 (19011821) 6441.04175 (19011821) 4812.91276 (19011821)
190.0 | 31627.50041 (19092406) 12969.78283 (19092406) 7212.35203 (19092406) 4866.02121 (19112906) 3607.19486 (19061406)
200.0 | 31665.38103 (19010719) 14396.45802 (19010719) 8554.94495 (19010719) 5789.48023 (19010719) 4366.73486 (19010719)
210.0 | 29949.64406 (19060406) 13064.29744 (19042307) 7774.91245 (19042307) 5305.99487 (19042307) 3879.30422 (19042307)
220.0 | 28463.25505 (19021508) 11245.41030 (19021508) 6278.83394 (19021508) 4120.76524 (19010806) 2940.82908 (19100906)
230.0 | 33188.84608 (19120321) 13828.31418 (19120321) 7976.46850 (19120321) 5464.23265 (19021508) 4015.09721 (19021508)
240.0 | 32591.92400 (19020808) 13127.30598 (19070406) 7800.03936 (19070406) 5328.36742 (19070406) 3971.95819 (19070406)
250.0 | 34853.99206 (19111807) 15165.56994 (19111807) 8968.56828 (19111807) 6107.96947 (19111807) 4652.52207 (19111807)
260.0 | 34181.60527 (19010106) 14184.60120 (19020606) 8428.73427 (19010206) 5852.60406 (19010206) 4348.78122 (19010206)
270.0 | 32648.71849 (19010221) 14326.35006 (19010221) 8493.94658 (19010221) 5804.31579 (19010219) 4272.30870 (19010221)
280.0 | 34788.53264 (19011306) 15229.36554 (19011306) 9046.70088 (19011306) 6097.82784 (19011306) 4533.62591 (19011306)
290.0 | 37800.94918 (19112008) 15560.49915 (19053106) 9327.00731 (19053106) 6353.12600 (19053106) 4748.06044 (19053106)
300.0 | 34270.66267 (19111906) 14073.07849 (19021606) 8445.54077 (19021606) 5762.96967 (19021606) 4266.47267 (19021606)
310.0 | 35470.92916 (19042406) 15190.10389 (19042406) 8827.47418 (19042406) 5899.48495 (19042406) 4367.29297 (19021706)
320.0 | 32472.23026 (19012906) 13305.17454 (19112706) 7926.33454 (19112706) 5361.02524 (19112706) 3869.77370 (19020306)
330.0 | 24719.34386 (19121620) 11339.28913 (19041206) 6881.60838 (19030407) 4760.16560 (19030407) 3545.34728 (19030407)
340.0 | 27922.84474 (19042407) 11280.79101 (19092506) 6884.34122 (19092506) 4751.44987 (19092506) 3513.94305 (19092506)
350.0 | 26081.38965 (19022719) 11759.97598 (19022719) 7030.10210 (19022719) 4787.12571 (19022719) 3492.30216 (19022719)
360.0 | 29972.67064 (19022719) 13177.83130 (19022719) 7912.46387 (19022719) 5406.97832 (19022719) 3995.73174 (19022719)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00

10.0 | 4086.89791 (19010321) 3280.96700 (19010321) 2723.72585 (19010321) 2384.01167 (19010321) 2094.50180 (19010321)
20.0 | 4158.04578 (19020308) 3303.27868 (19020308) 2691.23540 (19020308) 2301.55026 (19120820) 2030.38954 (19120820)
30.0 | 3575.54905 (19021820) 2881.09816 (19021820) 2354.60072 (19021820) 1961.64311 (19021820) 1658.88259 (19021820)
40.0 | 3596.12909 (19021820) 2857.49592 (19021820) 2363.91795 (19021820) 1987.76680 (19021820) 1691.79472 (19021820)
50.0 | 4280.88343 (19011219) 3343.90076 (19011219) 2714.66655 (19011219) 2220.44533 (19011219) 1912.25278 (19011219)
60.0 | 3705.72829 (19112718) 2962.18728 (19112718) 2362.38509 (19112718) 2007.51945 (19112718) 1830.95727 (19112718)
70.0 | 4037.84771 (19121619) 2985.30295 (19121619) 2432.52565 (19121619) 2296.19488 (19121619) 1958.27043 (19121619)
80.0 | 2790.56393 (19123019) 2207.32204 (19123019) 1832.52767 (19123019) 1656.75223 (19123019) 1449.99747 (19123019)
90.0 | 3601.00449 (19111118) 2740.84511 (19111118) 2461.05528 (19111118) 2128.88867 (19111118) 1882.52493 (19111118)
100.0 | 3037.57656 (19120618) 2356.13504 (19120618) 2093.18015 (19120618) 1780.18678 (19120618) 1559.71824 (19120618)
110.0 | 3011.53730 (19010119) 2333.02527 (19010119) 2065.94497 (19081206) 1803.71256 (19081206) 1562.68865 (19081206)
120.0 | 3353.02763 (19081006) 2602.30700 (19081006) 2246.75277 (19081006) 1986.33760 (19081006) 1692.51909 (19081006)
130.0 | 3818.63354 (19070106) 2923.98172 (19070106) 2523.66782 (19120420) 2337.93073 (19120420) 2040.37461 (19120420)
140.0 | 3858.28720 (19102221) 2862.91479 (19102221) 2302.81192 (19102221) 1959.92442 (19102221) 1885.66102 (19062606)
150.0 | 3915.94584 (19111921) 3109.59808 (19111921) 2539.64988 (19111921) 2002.59311 (19082020) 1733.17755 (19082020)
160.0 | 3806.79862 (19111921) 3066.87065 (19111921) 2493.33943 (19111921) 1970.72893 (19111921) 1758.71337 (19111921)
170.0 | 4412.93360 (19092407) 3554.39413 (19092407) 2933.79347 (19092407) 2736.55287 (19092407) 2039.24076 (19092407)
180.0 | 3793.57951 (19011821) 3085.18808 (19011821) 2557.41355 (19011821) 2182.45435 (19011821) 1843.88004 (19011821)
190.0 | 2842.36762 (19061406) 2281.59963 (19061406) 1873.37865 (19040119) 1600.47584 (19040119) 1374.15531 (19040119)
200.0 | 3432.46520 (19010719) 2812.32758 (19010719) 2316.89514 (19010719) 1946.68366 (19010719) 1661.12245 (19010719)
210.0 | 3010.03473 (19101406) 2543.69160 (19101406) 2033.77198 (19101406) 1729.85185 (19101406) 1448.35755 (19101406)
220.0 | 2228.33734 (19081721) 1924.63722 (19052606) 1627.67152 (19052606) 1262.06546 (19052606) 1079.52266 (19052606)
230.0 | 3206.09636 (19021508) 2516.92899 (19021508) 2068.03421 (19021508) 1745.36779 (19021508) 1511.94589 (19021508)
240.0 | 3169.10485 (19070406) 2506.52319 (19070406) 2075.60568 (19070406) 1735.08737 (19110806) 1491.66109 (19110806)
250.0 | 3596.62457 (19111807) 2938.04772 (19011221) 2408.03552 (19011221) 2031.40941 (19011221) 1694.10875 (19011221)
260.0 | 3423.21412 (19010206) 2784.94158 (19010206) 2323.29750 (19010206) 1994.81314 (19010206) 1720.07135 (19010206)
270.0 | 3378.44929 (19010221) 2714.52049 (19020807) 2278.37889 (19020807) 1918.10762 (19020807) 1618.23627 (19020807)
280.0 | 3543.84395 (19102806) 2884.87301 (19102806) 2382.28844 (19102806) 1995.53568 (19102806) 1725.41561 (19112006)
290.0 | 3673.11612 (19053106) 2968.84890 (19053106) 2454.53556 (19053106) 2073.41157 (19053106) 1787.96530 (19053106)
300.0 | 3336.89261 (19021606) 2682.72683 (19021606) 2218.44985 (19021606) 1887.40761 (19021606) 1646.14783 (19021606)
310.0 | 3403.24210 (19021706) 2783.46347 (19021706) 2334.53268 (19021706) 2012.65642 (19021706) 1719.14483 (19021706)

320.0 | 2978.23200 (19020306) 2289.76542 (19020306) 1913.15728 (19102206) 1625.45457 (19102206) 1390.37539 (19021707)
330.0 | 2784.96833 (19030407) 2267.65535 (19030407) 1912.54085 (19062820) 1650.07798 (19062820) 1435.75563 (19062820)
340.0 | 2765.53848 (19092506) 2238.65544 (19092506) 1898.66775 (19092506) 1622.43813 (19092506) 1407.68321 (19092506)
350.0 | 2666.72599 (19022719) 2169.69574 (19022719) 1820.82884 (19102207) 1571.23322 (19102207) 1368.44851 (19102207)
360.0 | 3073.78354 (19012920) 2478.52599 (19022719) 2061.57058 (19022719) 1772.83959 (19022719) 1538.68090 (19022719)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1848.50252 (19010321)	1653.44417 (19010321)	1478.28503 (19010321)	1345.24914 (19010321)	1229.41604 (19010321)
20.0	1814.23728 (19120820)	1618.96992 (19120820)	1445.45259 (19120820)	1304.81656 (19120820)	1183.70804 (19120820)
30.0	1449.67923 (19021820)	1281.01098 (19021820)	1154.15981 (19021820)	1014.38770 (19101521)	911.93918 (19101521)
40.0	1396.10560 (19021820)	1239.26938 (19021820)	1108.32023 (19021820)	981.08328 (19021820)	887.18159 (19102718)
50.0	1779.00863 (19011219)	1600.17504 (19011219)	1438.24291 (19011219)	1311.00898 (19011219)	1178.66686 (19011219)
60.0	1630.81949 (19112718)	1418.44824 (19112718)	1301.73410 (19112718)	1171.60555 (19011220)	1061.51646 (19112718)
70.0	1686.72693 (19121619)	1466.16114 (19011220)	1283.66164 (19011220)	1154.71016 (19011220)	1048.18717 (19011220)
80.0	1283.76357 (19123019)	1146.13110 (19123019)	1029.79212 (19123019)	926.61153 (19123019)	841.54940 (19123019)
90.0	1682.85697 (19111118)	1491.84519 (19111118)	1350.16016 (19111118)	1229.68635 (19111118)	1110.22223 (19111118)
100.0	1364.71833 (19120618)	1212.72019 (19120618)	1125.37866 (19120618)	1021.21410 (19120618)	936.64200 (19120618)
110.0	1323.83712 (19081206)	1181.89490 (19081206)	1076.44729 (19081206)	973.67426 (19081206)	898.54679 (19081206)
120.0	1506.68084 (19081006)	1266.89576 (19041006)	1169.49900 (19041006)	1067.92589 (19041006)	949.21090 (19041006)
130.0	1780.02479 (19120420)	1528.21944 (19120420)	1332.03155 (19120420)	1186.98160 (19120420)	1077.54565 (19120420)
140.0	1655.85083 (19102221)	1473.09706 (19102221)	1312.21976 (19102221)	1185.03399 (19062606)	1071.33080 (19062606)
150.0	1704.78446 (19082020)	1490.32502 (19082020)	1327.85269 (19082020)	1199.67945 (19082020)	1159.07862 (19082020)
160.0	1425.15880 (19111921)	1265.44760 (19111921)	1204.91967 (19111921)	1120.85948 (19120318)	992.67291 (19120318)
170.0	1861.28539 (19092407)	1461.47747 (19092407)	1310.22863 (19092407)	1256.22796 (19092407)	1205.91042 (19092407)

180.0 | 1661.02264 (19011821) 1411.14832 (19011821) 1164.34565 (19011821) 1052.32160 (19011821) 1044.64002 (19011821)
190.0 | 1214.47682 (19040119) 1083.32288 (19040119) 927.49604 (19112906) 860.91332 (19120320) 685.20337 (19040119)
200.0 | 1459.15972 (19010719) 1280.41600 (19010719) 1171.87515 (19010719) 1094.95874 (19010719) 1132.35338 (19010719)
210.0 | 1267.70890 (19101406) 1111.08882 (19101406) 1002.76850 (19101406) 897.13907 (19101406) 877.19084 (19041706)
220.0 | 918.13905 (19052606) 790.27092 (19052606) 699.14699 (19052606) 650.24472 (19052606) 593.89105 (19052606)
230.0 | 1331.92172 (19021508) 1171.70007 (19021508) 997.17647 (19021508) 909.02511 (19021508) 782.02206 (19021508)
240.0 | 1306.30843 (19110806) 1141.54888 (19110806) 1037.24300 (19110806) 929.95785 (19110806) 808.59564 (19110806)
250.0 | 1474.02890 (19011221) 1285.82186 (19011221) 1149.37575 (19011221) 1032.46252 (19011221) 924.90755 (19011221)
260.0 | 1505.49022 (19010206) 1331.86358 (19010206) 1186.13937 (19010206) 1059.10926 (19010206) 954.24639 (19010206)
270.0 | 1428.93716 (19020807) 1260.40590 (19020807) 1136.17106 (19020807) 1032.43288 (19020807) 940.00010 (19020807)
280.0 | 1470.27989 (19112006) 1349.09455 (19112006) 1251.72146 (19112006) 1136.74026 (19112006) 1059.63915 (19071706)
290.0 | 1603.48944 (19053106) 1426.78748 (19053106) 1304.33822 (19053106) 1182.11545 (19053106) 1078.73731 (19053106)
300.0 | 1481.82792 (19021606) 1296.69450 (19021606) 1158.98020 (19021606) 1050.36213 (19021606) 973.14439 (19021606)
310.0 | 1519.02454 (19021706) 1368.62921 (19021706) 1258.75964 (19021706) 1148.57211 (19021706) 991.38646 (19021706)
320.0 | 1215.90349 (19102206) 1109.44928 (19102206) 1003.33379 (19102206) 913.56624 (19102206) 833.52634 (19102206)
330.0 | 1283.69205 (19062820) 1130.23012 (19062820) 1009.64511 (19062820) 922.46085 (19062820) 840.88677 (19062820)
340.0 | 1245.89715 (19092506) 1103.41561 (19092506) 988.10055 (19092506) 899.69428 (19092506) 827.94957 (19092506)
350.0 | 1203.98143 (19102207) 1075.47004 (19102207) 963.95180 (19102207) 871.06856 (19102207) 793.87625 (19102207)
360.0 | 1340.29281 (19041320) 1196.40440 (19041320) 1079.88644 (19041320) 979.31680 (19041320) 897.49783 (19041320)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	1128.78684 (19010321)	1036.22650 (19010321)	956.68503 (19010321)	874.19763 (19010321)	797.11574 (19010321)
20.0	1072.13318 (19120820)	959.29694 (19120820)	887.49248 (19120820)	832.92462 (19120820)	782.99817 (19120820)
30.0	829.58044 (19101521)	763.87017 (19101521)	704.10132 (19101521)	649.21095 (19101521)	605.32769 (19101521)

40.0	811.72607 (19102718)	745.87165 (19102718)	687.76686 (19102718)	635.96216 (19102718)	589.56962 (19102718)
50.0	1061.77234 (19011219)	978.94539 (19011219)	895.00205 (19011219)	824.65400 (19011219)	778.70921 (19011219)
60.0	963.73861 (19112718)	895.24436 (19112718)	809.23926 (19010420)	748.19911 (19010420)	703.08710 (19112718)
70.0	970.16829 (19011220)	887.73417 (19011220)	808.44539 (19011220)	732.88706 (19011220)	685.74758 (19121619)
80.0	769.77286 (19123019)	705.18402 (19123019)	640.76217 (19123019)	603.31190 (19123019)	565.72987 (19021521)
90.0	1005.30736 (19111118)	927.62032 (19111118)	816.72651 (19111118)	784.21122 (19111118)	735.92311 (19111118)
100.0	861.74909 (19120618)	791.27755 (19120618)	734.38732 (19120618)	670.84593 (19120618)	631.58800 (19120618)
110.0	837.63610 (19081206)	766.23804 (19081206)	706.23049 (19081206)	649.40319 (19081206)	603.77211 (19081206)
120.0	876.52463 (19041006)	812.39395 (19041006)	762.06330 (19041006)	705.19688 (19041006)	657.87372 (19041006)
130.0	999.11599 (19120420)	936.60774 (19120420)	870.65228 (19120420)	821.00647 (19120420)	752.58693 (19120420)
140.0	975.59677 (19062606)	918.37479 (19062606)	851.63958 (19062606)	802.58835 (19062606)	741.33232 (19062606)
150.0	1094.93889 (19082020)	947.38927 (19082020)	886.12857 (19082020)	828.61537 (19082020)	784.26716 (19082020)
160.0	854.82554 (19120318)	827.38575 (19120318)	758.97328 (19022807)	719.13201 (19022807)	665.89659 (19022807)
170.0	1071.14210 (19092407)	1001.81349 (19092407)	933.35559 (19092407)	868.25679 (19092407)	814.46225 (19092407)
180.0	970.82405 (19011821)	880.84930 (19011821)	822.18597 (19011821)	766.00280 (19011821)	725.99027 (19011821)
190.0	627.24750 (19040119)	577.28022 (19040119)	532.72711 (19120320)	544.88846 (19112921)	511.95400 (19112921)
200.0	954.81093 (19010719)	696.29776 (19010719)	643.98567 (19010719)	670.05894 (19010719)	629.32929 (19010719)
210.0	676.46675 (19101406)	622.59408 (19101406)	575.78254 (19101406)	575.33174 (19041706)	544.25693 (19041706)
220.0	600.28654 (19052606)	429.32117 (19052606)	396.97340 (19052606)	368.62568 (19052606)	376.19788 (19052606)
230.0	730.39560 (19021508)	688.23631 (19021508)	627.81983 (19021508)	553.39334 (19021508)	533.22813 (19021508)
240.0	740.36071 (19110806)	671.13411 (19110806)	578.88105 (19110806)	516.85822 (19110806)	517.20773 (19110806)
250.0	844.21110 (19011221)	761.93115 (19011221)	714.18059 (19011221)	627.13481 (19011221)	554.91423 (19011221)
260.0	871.67978 (19010206)	780.82192 (19010206)	707.84114 (19010206)	639.91492 (19010206)	605.79923 (19010206)
270.0	863.16476 (19020807)	784.79016 (19020807)	714.65979 (19020807)	667.43316 (19020807)	625.66578 (19020807)
280.0	952.09593 (19071706)	856.02093 (19071706)	788.58443 (19071706)	737.55691 (19071706)	698.00086 (19071706)
290.0	996.16978 (19053106)	921.13174 (19053106)	855.72087 (19053106)	806.70067 (19053106)	748.20204 (19053106)
300.0	874.25934 (19021606)	793.91647 (19021606)	723.77746 (19021606)	665.76839 (19021606)	636.76713 (19021606)
310.0	932.62915 (19021706)	851.10835 (19021706)	790.57775 (19021706)	713.34668 (19021706)	665.23547 (19021706)
320.0	751.42441 (19102206)	683.54626 (19102206)	629.25514 (19102206)	576.29721 (19102206)	529.50757 (19102206)
330.0	769.13436 (19062820)	712.32303 (19062820)	640.74916 (19062820)	577.26680 (19120106)	548.08377 (19062820)
340.0	747.87197 (19092506)	682.89822 (19092506)	613.95808 (19092506)	569.19954 (19092506)	526.19452 (19092506)

350.0 | 736.45137 (19102207) 676.98450 (19102207) 628.14161 (19102207) 583.45888 (19102207) 546.19422 (19102207)
360.0 | 825.10022 (19041320) 762.13220 (19041320) 706.83661 (19041320) 655.53134 (19041320) 610.40818 (19041320)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	6195.16143	(19081006)	TANK	498.87	129.50	4889.41932	(19120420)
TANK	81.43	359.00	37646.87163	(19022719)	TANK	116.79	44.50	29347.59475	(19121618)
TANK	109.20	67.00	37514.97242	(19121619)	TANK	100.70	93.73	31808.59319	(19120421)
TANK	87.91	103.99	33707.90433	(19112619)	TANK	99.82	123.38	32949.30997	(19070306)
TANK	138.00	141.00	27207.12713	(19062606)	TANK	106.00	180.00	33205.55621	(19120320)
TANK	115.60	206.00	26788.93862	(19020508)	TANK	54.00	270.00	63896.68847	(19010106)
TANK	97.00	326.00	31180.53648	(19042407)	TANK	133.94	242.10	22291.82118	(19111807)
TANK	101.99	301.65	33123.28804	(19090806)	TANK	236.54	274.95	12416.20404	(19112008)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	11587.39767c(19121024)	5054.95368c(19121024)	3097.19360 (19102124)	2168.40110 (19102124)	1615.37311 (19102124)
20.0	10524.83502 (19022124)	4496.35341 (19020308)	2712.47994 (19020308)	1862.55886 (19020308)	1381.75852 (19020308)
30.0	10491.62508 (19010324)	4271.56341 (19010324)	2445.63288 (19010324)	1620.21793 (19010324)	1166.49509 (19010324)
40.0	13178.76623 (19021924)	5277.30078 (19021924)	3038.66634 (19021924)	2046.91179 (19021924)	1505.42512 (19021924)
50.0	17612.06441 (19112724)	6878.43819 (19112724)	3828.83614 (19112724)	2495.29990 (19112724)	1735.85059 (19112724)
60.0	18052.88134 (19112724)	7438.19135 (19112724)	4248.37063 (19112724)	2801.82723 (19112724)	2002.57340 (19112724)
70.0	12184.84510 (19112724)	4820.86811 (19112724)	2894.92782 (19103124)	1995.17276 (19103124)	1458.11289 (19103124)

80.0 | 8789.43682 (19041016) 3629.81973 (19103124) 2273.80852 (19103124) 1556.60337 (19103124) 1145.68352 (19103124)
90.0 | 10064.15679 (19020324) 4297.92449 (19020324) 2514.05819 (19020324) 1681.92524 (19020324) 1220.72623 (19020324)
100.0 | 8657.18150 (19020324) 4158.36176 (19020324) 2550.98294 (19020324) 1757.63240 (19020324) 1288.57007 (19020324)
110.0 | 8357.59317 (19032224) 3612.31068 (19032224) 2105.65215 (19032224) 1402.77342 (19032224) 1014.29125 (19032224)
120.0 | 10889.50980 (19120424) 4133.41005 (19120424) 2368.38355 (19032624) 1622.08634 (19032624) 1193.53727 (19032624)
130.0 | 12196.51781 (19111924) 5406.23645 (19120424) 3227.00016 (19120424) 2171.89112 (19120424) 1595.91893 (19120424)
140.0 | 12479.60809 (19112424) 5706.84530 (19112424) 3408.45393 (19112424) 2296.47458 (19112424) 1660.97476 (19112424)
150.0 | 11285.75954c(19121424) 5609.75120c(19121424) 3490.40596c(19121424) 2415.63269c(19121424) 1792.69853c(19121424)
160.0 | 11933.87489 (19112808) 4891.92423 (19112808) 2689.04519 (19112808) 1764.60451 (19011624) 1310.76063c(19031208)
170.0 | 11688.47774 (19112808) 5252.51859 (19112808) 3080.56230 (19112808) 2053.43772 (19112808) 1543.99963 (19112808)
180.0 | 9294.26108 (19120524) 3932.61902 (19120524) 2179.80461 (19120524) 1449.61145 (19112524) 1070.44381 (19112524)
190.0 | 10996.16135 (19120524) 4861.66005 (19120524) 2801.08900 (19120524) 1857.44017 (19120524) 1335.89133 (19120524)
200.0 | 9591.74387 (19012524) 4322.07268 (19012524) 2517.94408 (19012524) 1685.55418 (19012524) 1235.45081 (19120524)
210.0 | 8302.74646 (19012524) 3804.72294 (19012524) 2204.84926 (19012524) 1473.52029 (19012524) 1064.38656 (19012524)
220.0 | 7822.63106 (19012124) 3308.30033 (19111024) 1846.90774 (19111024) 1215.02214 (19012124) 864.60710 (19012124)
230.0 | 9852.37858 (19111024) 4368.92313 (19111024) 2573.17249 (19111024) 1737.31293 (19111024) 1271.84548 (19111024)
240.0 | 9425.97678 (19111024) 4098.10148 (19111024) 2377.13028 (19111024) 1573.06754 (19111024) 1153.87281 (19111024)
250.0 | 10153.68760c(19010208) 4407.51674c(19010208) 2560.60505c(19010208) 1706.83290c(19010208) 1238.24517c(19010208)
260.0 | 11140.78269 (19010224) 4783.33365 (19010224) 2792.69414 (19010224) 1910.29408 (19020608) 1410.42857 (19020608)
270.0 | 12111.33807 (19010224) 5110.27015 (19010224) 2941.09897 (19010224) 1963.38516 (19010224) 1415.59351 (19010224)
280.0 | 11292.50072 (19112008) 4760.42916 (19111908) 2796.64763 (19111908) 1878.17135 (19111908) 1374.81728 (19111908)
290.0 | 12564.98288 (19111908) 5458.93253 (19111908) 3241.23808 (19111908) 2195.71187 (19111908) 1627.97084 (19111908)
300.0 | 10123.74241 (19111908) 4153.43027 (19012908) 2410.46600 (19012908) 1615.98226 (19012908) 1161.95247 (19012908)
310.0 | 8585.98595 (19012908) 3601.86903 (19021608) 2169.80450 (19021608) 1466.54270 (19021608) 1072.20355 (19021608)
320.0 | 8852.66813 (19021708) 3929.42069 (19021708) 2339.40292 (19021708) 1593.74938 (19021708) 1162.49020 (19021708)
330.0 | 7694.59066 (19122908) 3511.68509 (19122908) 2102.02053 (19122908) 1442.87550 (19122908) 1070.40305 (19122908)
340.0 | 8284.69038 (19081524) 3363.62779 (19120108) 2040.63159 (19120108) 1403.55984 (19120108) 1039.13220 (19120108)
350.0 | 6205.64455 (19081524) 2349.27285 (19010408) 1399.43088 (19010408) 955.30272 (19010408) 699.12085 (19010408)
360.0 | 10051.19197c(19121024) 4676.15465c(19121024) 2884.85779c(19121024) 1985.04294c(19121024) 1478.75018c(19121024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	1277.42059 (19102124)	1036.89847 (19102124)	855.30419 (19102124)	723.37131 (19102124)	624.65253 (19102124)
20.0	1079.88500 (19020308)	861.41069 (19020308)	705.36818 (19020308)	601.31747 (19020308)	530.22140 (19020308)
30.0	901.76388 (19010324)	717.44285 (19010324)	586.11916 (19010324)	493.29284 (19010324)	421.95890 (19010324)
40.0	1172.98858 (19021924)	927.52722 (19021924)	761.30265 (19021924)	637.58105 (19021924)	552.24533 (19021924)
50.0	1305.05575 (19112724)	1039.03214 (19112724)	838.93249 (19112724)	691.56305 (19112724)	583.18438 (19112724)
60.0	1512.41842 (19112724)	1191.23371 (19112724)	945.04927 (19112724)	796.86816 (19112724)	687.14952 (19112724)
70.0	1101.75302 (19103124)	899.35582 (19103124)	734.88001 (19103124)	627.43617 (19103124)	546.17259 (19103124)
80.0	889.80362 (19103124)	706.13105 (19103124)	572.46882 (19103124)	475.83328 (19103124)	398.94962 (19103124)
90.0	920.84021 (19020324)	721.59135 (19020324)	597.21821 (19020324)	500.63711 (19020324)	425.82703 (19020324)
100.0	1015.38003 (19020324)	788.37618 (19020324)	682.56238 (19020324)	575.89244 (19020324)	502.53055 (19020324)
110.0	776.00169 (19032224)	604.07272 (19032224)	508.89864 (19032224)	428.51169 (19032224)	369.45099 (19032224)
120.0	917.59541 (19032624)	720.74909 (19032624)	615.07963 (19032624)	519.09875 (19032624)	451.40545 (19032624)
130.0	1223.47955 (19120424)	947.65527 (19120424)	800.55999 (19120424)	710.32456 (19120424)	612.80187 (19120424)
140.0	1270.25812 (19112424)	984.55319 (19112424)	792.91114 (19112424)	660.40208 (19112424)	580.90353 (19112424)
150.0	1386.45213c(19121424)	1107.48786c(19121424)	907.70539c(19121424)	726.85074c(19121424)	628.03577c(19121424)
160.0	1033.89275c(19031208)	842.69780c(19031208)	698.37326c(19031208)	571.69326c(19031208)	502.60163c(19031208)
170.0	1201.31797 (19112808)	968.67752 (19112808)	801.67841 (19112808)	737.34629 (19112808)	558.63883 (19112808)
180.0	828.04856 (19112524)	668.99022 (19112524)	550.82324 (19112524)	459.25261 (19112524)	388.48878 (19112524)
190.0	1029.11689 (19120524)	808.08863 (19120524)	655.22048 (19120524)	547.27298 (19120524)	465.81141 (19120524)
200.0	946.44703 (19120524)	757.10802 (19120524)	623.01624 (19120524)	523.55962 (19120524)	447.77952 (19120524)
210.0	820.08721 (19012524)	649.53423 (19012524)	531.35372 (19012524)	444.00620 (19012524)	373.18443 (19012524)
220.0	654.48472 (19012124)	507.22162 (19012124)	435.51846 (19012124)	356.17140 (19012124)	303.49023 (19012124)
230.0	994.13957 (19111024)	787.07119 (19111024)	643.78255 (19111024)	543.36129 (19111024)	469.48064 (19111024)
240.0	866.90254 (19111024)	690.53163 (19111024)	571.25852 (19111024)	478.68799 (19111024)	399.72603 (19111024)

250.0 | 935.48393c(19010208) 750.79349c(19010208) 606.56718 (19020608) 515.22215 (19020608) 436.02272 (19020608)
260.0 | 1109.10040 (19020608) 890.70982 (19020608) 731.93530 (19020608) 626.02449 (19020608) 540.22042 (19020608)
270.0 | 1091.69928 (19010224) 870.39509 (19010224) 707.88441 (19010224) 590.84967 (19010224) 497.89732 (19010224)
280.0 | 1047.16956 (19111908) 845.72855 (19111908) 697.60029 (19111908) 583.67222 (19111908) 491.59077 (19111908)
290.0 | 1259.19510 (19111908) 1009.19439 (19111908) 829.73325 (19111908) 702.57877 (19111908) 606.97788 (19111908)
300.0 | 895.37373 (19012908) 711.58543 (19012908) 577.36591 (19012908) 474.87581 (19012908) 412.95093 (19012908)
310.0 | 832.29709 (19021608) 661.26350 (19021608) 543.52305 (19021708) 461.96522 (19021608) 391.46040 (19021608)
320.0 | 903.47639 (19021708) 724.23856 (19021708) 593.49422 (19021708) 505.96744 (19021708) 430.58237 (19021708)
330.0 | 828.67650 (19120108) 672.24568 (19120108) 566.02327 (19120108) 478.77705 (19120108) 416.88776 (19120108)
340.0 | 807.06098 (19120108) 653.70331 (19120108) 531.18628 (19120108) 449.81794 (19120108) 382.94122 (19120108)
350.0 | 533.63763 (19010408) 432.39566 (19010408) 354.82472 (19010408) 292.50214 (19010408) 252.51536 (19010408)
360.0 | 1160.97730c(19121024) 933.41744c(19121024) 760.62306c(19121024) 638.33245c(19121024) 549.70167c(19121024)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
PAGE 37
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	544.26678 (19102124)	480.81755 (19102124)	426.33361 (19102124)	384.33882 (19102124)	347.46611 (19102124)
20.0	466.78200 (19020308)	410.76173 (19020308)	364.79042 (19020308)	328.92893 (19020308)	298.01925 (19020308)
30.0	364.12569 (19010324)	315.34351 (19010324)	278.96462 (19010324)	252.08246 (19010324)	226.16313 (19010324)
40.0	461.29008 (19102724)	404.34235 (19102724)	352.60276 (19102724)	317.31342 (19021924)	288.15133 (19021924)
50.0	484.92676 (19112724)	424.33648 (19112724)	375.61141 (19112724)	322.74451 (19112724)	287.98398 (19112724)
60.0	598.39559 (19112724)	521.45099 (19112724)	466.27662 (19112724)	408.82143 (19112724)	369.12690 (19112724)
70.0	477.10114 (19103124)	422.65285 (19103124)	377.90280 (19103124)	340.58970 (19103124)	305.42144 (19103124)
80.0	343.90395 (19103124)	296.60221 (19103124)	263.21007 (19103124)	237.19222 (19103124)	215.28234 (19103124)
90.0	368.60909 (19020324)	314.87603 (19020324)	280.81854 (19020324)	254.10636 (19020324)	226.34716 (19020324)
100.0	439.73217 (19020324)	390.53027 (19020324)	351.97689 (19020324)	316.56577 (19020324)	288.77722 (19020324)

110.0 | 312.20124 (19032224) 277.29963 (19032224) 243.17563 (19032224) 215.67000 (19032224) 196.12498 (19032224)
120.0 | 396.47136 (19090624) 343.80958 (19032624) 311.34244 (19090624) 283.40219 (19090624) 252.85345 (19090624)
130.0 | 531.83057 (19123124) 462.03834 (19123124) 406.00494 (19123124) 363.20433 (19123124) 329.70495 (19123124)
140.0 | 491.31434 (19112424) 434.00412 (19112424) 386.05594 (19112424) 336.46148 (19112424) 303.11686 (19112424)
150.0 | 599.14854c(19121424) 524.80725c(19121424) 467.73899c(19121424) 422.30577c(19121424) 398.63245c(19121424)
160.0 | 417.92590c(19031208) 370.51251c(19031208) 356.15411c(19031208) 327.64604c(19031208) 293.11835c(19031208)
170.0 | 506.21939 (19112808) 402.28484 (19112808) 359.79625 (19112808) 342.06133 (19112808) 326.28811 (19112808)
180.0 | 344.94747 (19112524) 296.12219 (19112524) 252.64922 (19112524) 222.64443 (19112524) 212.70333 (19112524)
190.0 | 403.95343 (19120524) 350.84029 (19120524) 307.36763 (19120524) 278.59633 (19120524) 232.65778 (19120524)
200.0 | 390.70285 (19120524) 340.73344 (19120524) 301.65335 (19120524) 278.11901 (19011608) 265.54470 (19011608)
210.0 | 325.60500 (19012524) 284.35876 (19012524) 251.85986 (19012524) 225.02641 (19012524) 210.65768 (19012524)
220.0 | 258.21679 (19012124) 222.29004 (19012124) 196.25669 (19012124) 175.07791 (19012124) 158.51031 (19012124)
230.0 | 408.76180 (19111024) 356.14054 (19111024) 310.40408 (19111024) 278.38439 (19111024) 245.02670 (19111024)
240.0 | 348.05882 (19120708) 304.48297 (19120708) 274.64306 (19120708) 243.07964 (19120708) 216.49388 (19120708)
250.0 | 374.22605 (19020608) 326.92220 (19120708) 292.49618 (19120708) 261.60747 (19120708) 234.18337 (19120708)
260.0 | 472.83663 (19020608) 415.41500 (19020608) 367.52955 (19020608) 327.04669 (19020608) 294.36801 (19020608)
270.0 | 437.53807 (19010224) 379.50241 (19010224) 340.24663 (19010224) 306.31543 (19010224) 273.35375 (19010224)
280.0 | 421.70328 (19111908) 372.22244 (19111908) 339.91436 (19112008) 311.11950 (19112008) 287.59377 (19112008)
290.0 | 534.05204 (19111908) 473.50358 (19111908) 431.93872 (19111908) 388.13828 (19111908) 349.26242 (19111908)
300.0 | 354.58084 (19012908) 310.23570 (19012908) 272.66986 (19012908) 242.46354 (19012908) 222.30311c(19121008)
310.0 | 344.43747 (19090708) 309.58780 (19090708) 283.09807 (19090708) 254.57948 (19090708) 223.89841 (19090708)
320.0 | 369.82830 (19021708) 326.55498 (19021708) 293.50661 (19021708) 262.52342 (19010308) 238.30138 (19010308)
330.0 | 364.35294 (19120108) 322.78413 (19120108) 286.38257 (19120108) 258.78852 (19120108) 235.43512 (19120108)
340.0 | 333.23100 (19120108) 295.86964 (19120108) 261.61850 (19120108) 234.25839 (19120108) 209.63371 (19120108)
350.0 | 220.64669 (19021808) 196.58900 (19042308) 175.18037 (19042308) 157.81041 (19021808) 143.48800 (19042308)
360.0 | 479.97363c(19121024) 417.27813c(19121024) 370.34477c(19121024) 335.00557c(19121024) 299.47532c(19121024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	317.50685 (19102124)	292.16297 (19102124)	269.42596 (19102124)	248.76473 (19102124)	229.03954 (19102124)
20.0	269.31400 (19020308)	239.92399 (19020308)	221.93594 (19020308)	208.54255 (19020308)	195.56786 (19020308)
30.0	204.93059 (19010324)	188.49336 (19010324)	171.46751 (19010324)	156.26688 (19010324)	144.67986 (19101624)
40.0	263.17841 (19021924)	241.13114 (19021924)	222.58296 (19021924)	206.48446 (19021924)	192.30258 (19021924)
50.0	260.16194 (19112724)	231.60326 (19112724)	210.87129 (19112724)	192.22325 (19112724)	179.08448 (19112724)
60.0	331.16539 (19112724)	304.76225 (19112724)	273.94132 (19112724)	252.84247 (19112724)	237.38776 (19112724)
70.0	278.74196 (19103124)	252.34825 (19103124)	233.66537 (19103124)	215.93896 (19103124)	198.48167 (19103124)
80.0	195.25836 (19103124)	178.24019 (19103124)	163.13509 (19103124)	148.94706 (19103124)	138.60400 (19103124)
90.0	202.84219 (19020324)	182.27439 (19020324)	170.50301 (19020324)	154.21997 (19020324)	144.05136 (19020324)
100.0	265.24035 (19020324)	242.14280 (19020324)	222.20432 (19020324)	203.86285 (19020324)	190.70715 (19020324)
110.0	178.74538 (19032224)	161.60600 (19032224)	147.42797 (19032224)	135.10753 (19032224)	125.35446 (19032224)
120.0	232.77609 (19090624)	215.28004 (19090624)	201.06392 (19090624)	185.89607 (19090624)	173.10262 (19090624)
130.0	303.18953 (19123124)	281.88288 (19123124)	263.16386 (19123124)	248.82756 (19123124)	229.08315 (19123124)
140.0	276.25810 (19112424)	244.01917 (19112424)	225.21210 (19112424)	204.41893 (19112424)	186.65309 (19112424)
150.0	373.08139c(19121424)	327.87647c(19121424)	305.62165c(19121424)	285.12121c(19121424)	266.76863c(19121424)
160.0	255.95810c(19031208)	244.83654c(19031208)	227.56541c(19031208)	213.65277c(19031208)	198.38291c(19031208)
170.0	290.06619 (19112808)	271.63278 (19112808)	254.98050 (19112808)	238.96847 (19112808)	225.41764 (19112808)
180.0	196.52894 (19112524)	177.75050 (19112524)	164.65500 (19112024)	153.30824 (19112024)	144.12051 (19112024)
190.0	211.62978 (19120524)	193.24543 (19120524)	178.50292 (19120524)	169.45431 (19120524)	157.02741 (19120524)
200.0	234.00713 (19011608)	188.82569 (19120524)	174.44070 (19120524)	173.06253 (19011608)	160.42385 (19011608)
210.0	171.96344 (19012524)	158.09281 (19012524)	144.57377 (19012524)	141.40105 (19112924)	132.20539 (19012524)
220.0	155.11227 (19100908)	120.95253 (19120808)	111.23800 (19012124)	103.12544 (19012124)	100.36186 (19012124)
230.0	224.86427 (19111024)	210.24403 (19111024)	192.04270 (19111024)	170.88400 (19111024)	163.44745 (19111024)
240.0	195.71010 (19120708)	177.01266 (19120708)	155.74858 (19120708)	140.39688 (19111024)	135.47909 (19120708)
250.0	211.13406 (19120708)	191.33374 (19120708)	178.57894 (19120708)	159.21615 (19120708)	145.17059 (19120708)
260.0	267.53049 (19020608)	240.91964 (19020608)	218.96782 (19020608)	198.40319 (19020608)	186.11684 (19020608)
270.0	249.02702 (19010224)	225.85094 (19010224)	205.47214 (19010224)	188.23208 (19010224)	174.63204 (19010224)

280.0 | 257.94670 (19112008) 231.56017 (19112008) 213.24248 (19112008) 199.47238 (19112008) 188.87138 (19112008)
290.0 | 321.92901 (19111908) 297.56477 (19111908) 276.32898 (19111908) 254.88080 (19111908) 236.04434 (19111908)
300.0 | 200.70999c(19121008) 184.32918c(19121008) 169.99881c(19121008) 157.40937c(19121008) 144.17029c(19121008)
310.0 | 206.93393 (19090708) 188.55433 (19090708) 175.21055 (19090708) 158.38618 (19090708) 147.37861 (19090708)
320.0 | 216.51319 (19010308) 197.48335 (19010308) 184.56868 (19010308) 167.47262 (19010308) 155.70282 (19010308)
330.0 | 215.40644 (19120108) 195.62699 (19120108) 180.53065 (19120108) 164.68742 (19120108) 152.20378 (19120108)
340.0 | 190.55394 (19120108) 174.12778 (19120108) 158.98861 (19120108) 146.26995 (19120108) 135.01977 (19120108)
350.0 | 134.58458 (19042308) 123.06729 (19042308) 113.77077 (19042308) 105.14384 (19042308) 98.04013 (19042308)
360.0 | 269.60979c(19121024) 248.16108c(19121024) 229.77333c(19121024) 212.87516c(19121024) 196.30607c(19121024)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	1736.92077	(19032624)	TANK	498.87	129.50	1568.56653	(19120424)
TANK	81.43	359.00	11403.93084c	(19121024)	TANK	116.79	44.50	11277.61489	(19112724)
TANK	109.20	67.00	12773.96433	(19112724)	TANK	100.70	93.73	9987.58900	(19020324)
TANK	87.91	103.99	9525.09404c	(19091524)	TANK	99.82	123.38	11700.02799	(19120424)
TANK	138.00	141.00	8760.79566	(19112424)	TANK	106.00	180.00	8723.10724	(19120524)
TANK	115.60	206.00	7941.18585	(19012524)	TANK	54.00	270.00	23232.77928	(19010224)
TANK	97.00	326.00	8315.85942	(19021708)	TANK	133.94	242.10	6341.07005	(19111024)
TANK	101.99	301.65	9392.49150	(19012908)	TANK	236.54	274.95	3629.82206	(19010224)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00

10.0 | 10829.83504 (19102124) 5007.79243 (19102124) 3023.87912c(19121024) 2067.55649c(19121024) 1516.62502c(19121024)
20.0 | 10239.88834 (19010324) 4255.75520 (19102124) 2535.73217 (19102124) 1714.41273 (19102124) 1249.04338 (19102124)
30.0 | 9375.40179 (19021924) 3336.55999 (19120824) 1963.96278 (19120824) 1320.69024 (19120824) 960.47224 (19120824)
40.0 | 11360.09725 (19102724) 4927.66470 (19102724) 2903.71428 (19102724) 1974.69965 (19102724) 1446.02091 (19102724)
50.0 | 11433.76899 (19021924) 4156.56839 (19011224) 2283.54560 (19011224) 1474.47758 (19011224) 1013.46834 (19011224)
60.0 | 12338.55741 (19011224) 5069.24740 (19011224) 2885.38680 (19011224) 1897.58979 (19011224) 1344.99034 (19011224)
70.0 | 10307.23500 (19103124) 4733.29316 (19103124) 2655.41885 (19112724) 1706.24784 (19112724) 1190.30006 (19011224)
80.0 | 8143.95545 (19021124) 3235.69739 (19021124) 1826.33684 (19021124) 1183.49600 (19021124) 832.52743 (19021524)
90.0 | 8428.81231c(19091524) 3610.54218c(19091524) 2097.40708c(19091524) 1395.36163c(19091524) 1009.96590c(19091524)
100.0 | 8441.70299c(19091524) 3526.20438c(19091524) 1963.29169c(19091524) 1267.47450c(19091524) 896.89752c(19091524)
110.0 | 7902.19688c(19091524) 3234.95269c(19091524) 1814.13336c(19091524) 1211.61964 (19022824) 874.73343 (19022824)
120.0 | 9536.37305 (19111924) 3897.17230 (19032624) 2280.93719 (19032224) 1542.88009 (19032224) 1134.59248 (19090624)
130.0 | 12053.13503 (19112424) 5300.33983 (19111924) 3139.40457 (19111924) 2110.21738 (19111924) 1544.82193 (19111924)
140.0 | 11416.04775c(19121424) 5074.22138c(19121424) 3005.23953c(19121424) 1999.52870c(19121424) 1439.13242c(19121424)
150.0 | 10685.87569 (19111616) 4149.87259 (19051424) 2512.19861 (19051424) 1698.11710 (19051424) 1247.49399 (19051424)
160.0 | 9174.14950 (19022808) 4288.22315 (19022808) 2599.29917 (19011624) 1743.00789c(19031208) 1288.53432 (19011624)
170.0 | 9246.01023 (19111724) 4524.03708 (19111724) 2779.95375 (19111724) 1922.21396 (19111724) 1399.28121 (19111724)
180.0 | 8862.87305 (19021316) 3499.72534 (19112524) 2121.23170 (19112524) 1399.51991 (19102024) 1026.13375 (19010624)
190.0 | 8532.49745 (19021324) 3750.87742 (19021324) 2171.01187 (19021324) 1447.33564 (19021324) 1061.03232 (19010624)
200.0 | 9460.99135 (19120524) 4290.08738 (19120524) 2509.10337 (19120524) 1681.95468 (19120524) 1218.33967 (19012524)
210.0 | 8135.40886 (19112924) 3692.06381 (19112924) 2125.30369 (19112924) 1419.56741 (19112924) 1027.36937 (19112924)
220.0 | 7689.22043 (19111024) 3255.20666 (19012124) 1831.34441 (19012124) 1195.74195 (19111024) 860.70829 (19111024)
230.0 | 8037.94442 (19101124) 3447.40464 (19101124) 2005.34814 (19121524) 1359.25772 (19121524) 1001.89078 (19121524)
240.0 | 8186.63454c(19010208) 3714.09542 (19120708) 2202.86346 (19120708) 1489.93472 (19120708) 1105.71304 (19120708)
250.0 | 9553.34832 (19020608) 4187.35786 (19020608) 2450.92914 (19020608) 1644.52295 (19020608) 1206.14522 (19020608)
260.0 | 10541.24495 (19020608) 4675.94226 (19020608) 2782.41530 (19020608) 1881.68575 (19010224) 1372.23689 (19010224)
270.0 | 11252.31645 (19112008) 4310.48692 (19112008) 2346.87899 (19112008) 1502.35130 (19112008) 1044.92322 (19112008)
280.0 | 11041.12079 (19111908) 4524.91848 (19112008) 2610.77237 (19112008) 1732.42405 (19112008) 1274.53745 (19112008)
290.0 | 9329.40902 (19111208) 3859.11915 (19111208) 2245.71344 (19111208) 1497.38281 (19111208) 1093.54768 (19111208)
300.0 | 9596.40539 (19012908) 3879.17522 (19090808) 2205.81061 (19090808) 1455.39146 (19090808) 1056.36673 (19090808)
310.0 | 8124.76084 (19021608) 3501.77108 (19021708) 2135.54440 (19021708) 1453.51757 (19021708) 1070.67189 (19021708)

320.0 | 7410.12247 (19042408) 3230.08888 (19122908) 1966.36660 (19122908) 1368.05676 (19010308) 1027.79897 (19010308)
330.0 | 6998.32315 (19040716) 3280.64331 (19120108) 2018.19314 (19120108) 1415.07150 (19120108) 1061.52187 (19120108)
340.0 | 7340.90694 (19120108) 3080.06583 (19081524) 1670.62811 (19081524) 1074.58028 (19081524) 778.36088 (19010408)
350.0 | 5804.95152 (19081516) 2284.58859 (19102624) 1366.10464 (19102624) 927.22652 (19102624) 680.33474 (19012924)
360.0 | 8187.98334 (19121324) 3918.81424 (19121324) 2482.49943 (19121324) 1744.01418 (19121324) 1321.56311 (19121324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	1173.38004c(19121024)	948.28326c(19121024)	782.66991c(19121024)	648.19681c(19121024)	549.65078c(19121024)
20.0	957.93789 (19102124)	767.65499 (19102124)	631.50512 (19102124)	517.58239 (19102124)	442.39151 (19102124)
30.0	744.52701 (19101624)	611.86728 (19101624)	513.78186 (19101624)	437.38800 (19101624)	380.21962 (19101624)
40.0	1128.35535 (19102724)	917.94698 (19102724)	758.65406 (19102724)	635.59306 (19102724)	535.39714 (19102724)
50.0	767.15231c(19031524)	635.35146c(19031524)	520.21070c(19031524)	433.99942c(19031524)	365.54556c(19031524)
60.0	1014.58696 (19011224)	791.76816 (19011224)	636.84334 (19011224)	526.65161 (19011224)	455.42261 (19011224)
70.0	916.42972 (19011224)	691.56896 (19112724)	559.97656 (19011224)	520.22529 (19011224)	441.73001 (19011224)
80.0	632.42705 (19021524)	496.55904 (19021524)	401.84976c(19091524)	330.76895c(19091524)	280.13359c(19091524)
90.0	766.55655c(19091524)	601.11455c(19091524)	495.23262c(19091524)	410.80524c(19091524)	358.31033c(19091524)
100.0	660.29117c(19091524)	516.10938c(19091524)	444.34644 (19041124)	376.42639 (19041124)	326.29292 (19041124)
110.0	671.34945 (19022824)	524.13453 (19022824)	427.37768 (19022824)	351.78262 (19022824)	304.28277 (19022824)
120.0	878.25099 (19090624)	688.67272 (19090624)	596.09307 (19090624)	517.26168 (19090624)	449.68431 (19090624)
130.0	1183.10936 (19111924)	920.09893 (19111924)	776.12594 (19111924)	696.05595 (19123124)	606.63462 (19123124)
140.0	1080.55928c(19121424)	848.65198c(19121424)	682.48963c(19121424)	560.21629c(19121424)	488.78168 (19040224)
150.0	955.19418 (19051424)	753.14606 (19051424)	613.58432 (19051424)	500.60745 (19051424)	425.30299 (19101724)
160.0	1001.69119 (19011624)	797.78413 (19011624)	654.13607 (19011624)	544.20082 (19011624)	466.82966 (19011624)
170.0	1078.17377 (19111724)	869.00001 (19111724)	719.26207 (19111724)	589.70005 (19111724)	514.08336 (19111724)

180.0 | 795.00577 (19010624) 644.39977 (19010624) 524.60886 (19010624) 436.67402 (19010624) 369.91316 (19112024)
190.0 | 820.62409 (19010624) 661.75792 (19010624) 549.49974 (19010624) 466.82681 (19010624) 398.25106 (19010624)
200.0 | 938.16890 (19012524) 737.62363 (19012524) 604.41934 (19011608) 510.37236 (19011608) 437.41204 (19011608)
210.0 | 790.46486 (19112924) 632.41598 (19112924) 514.06987 (19112924) 430.57226 (19112924) 363.71258 (19112924)
220.0 | 646.21594 (19111024) 491.54678 (19100908) 417.07584 (19100908) 343.54739 (19120808) 290.57399 (19120808)
230.0 | 783.30582 (19121524) 620.20959 (19121524) 507.02205 (19121524) 426.18480 (19121524) 368.23363 (19121524)
240.0 | 859.26520 (19120708) 684.86343 (19120708) 565.79311 (19120708) 470.89567 (19120708) 398.94548 (19120708)
250.0 | 926.56105 (19020608) 732.34470 (19020608) 605.61112c(19010208) 508.47371 (19120708) 429.71418 (19120708)
260.0 | 1054.12470 (19010224) 843.64848 (19010224) 694.63189 (19010224) 582.32607 (19010224) 488.54032 (19010224)
270.0 | 761.45430 (19112008) 594.63291 (19112008) 484.54837 (19112008) 402.91834 (19081924) 339.46114 (19081924)
280.0 | 989.98822 (19112008) 799.40102 (19112008) 654.75306 (19112008) 544.90145 (19112008) 467.72901 (19112008)
290.0 | 847.80904 (19022208) 688.06386 (19022208) 573.77797 (19022208) 488.50295 (19022208) 423.58464 (19022208)
300.0 | 796.22633 (19090808) 637.91093 (19090808) 528.66392c(19121008) 447.18900c(19121008) 386.76049c(19121008)
310.0 | 818.49073 (19021708) 659.94892 (19021708) 542.75809 (19021608) 458.54403 (19090708) 390.86105 (19090708)
320.0 | 809.25936 (19010308) 661.53830 (19010308) 553.96911 (19010308) 471.07032 (19010308) 405.80688 (19010308)
330.0 | 826.66283 (19122908) 671.33851 (19122908) 551.44633 (19122908) 463.19539 (19122908) 403.32158 (19122908)
340.0 | 605.92399 (19010408) 488.15504 (19010408) 410.37652 (19010408) 351.03107 (19010408) 304.71764 (19010408)
350.0 | 523.03983 (19012924) 411.99315 (19102624) 340.75872 (19021808) 291.22805 (19021808) 252.01454 (19021808)
360.0 | 1048.94343 (19121324) 847.33834 (19121324) 699.73153 (19121324) 590.82506 (19121324) 509.27083 (19121324)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
PAGE 42

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION | DISTANCE (METERS)
(DEGREES) | 1100.00 1200.00 1300.00 1400.00 1500.00

10.0 | 475.90513c(19121024) 419.26566c(19121024) 370.35221c(19121024) 331.31821c(19121024) 300.31793c(19121024)
20.0 | 365.36818 (19102124) 323.87798 (19102124) 284.56524 (19102124) 248.80291 (19102124) 222.24113 (19102124)
30.0 | 333.74462 (19101624) 295.65535 (19101624) 266.44049 (19101624) 240.98364 (19101624) 217.45805 (19101624)

40.0	446.33232 (19021924)	393.93326 (19021924)	351.99581 (19021924)	314.14455 (19102724)	285.07850 (19102724)
50.0	319.22910 (19113024)	277.65262 (19113024)	249.46406 (19113024)	225.03107 (19113024)	202.04062 (19113024)
60.0	391.76135 (19011224)	340.20292 (19011224)	299.81829 (19011224)	265.48488 (19011224)	235.31006 (19011224)
70.0	383.72697 (19011224)	334.49698 (19011224)	294.84348 (19011224)	264.13167 (19011224)	237.46644 (19011224)
80.0	240.09087c(19091524)	212.95943c(19091524)	187.93218c(19091524)	168.70164c(19091524)	151.09735c(19091524)
90.0	305.10361c(19091524)	269.12818c(19091524)	239.00930c(19091524)	208.38481c(19091524)	188.47409c(19091524)
100.0	284.41905 (19041124)	251.69447 (19041124)	231.50686 (19041124)	209.92359 (19041124)	192.16803 (19041124)
110.0	262.33778 (19022824)	231.86688 (19022824)	203.37257 (19022824)	183.27795 (19022824)	164.37695 (19022824)
120.0	394.15634 (19032624)	339.58972 (19090624)	309.86758 (19032624)	281.12090 (19032624)	251.56206 (19032624)
130.0	530.46797 (19120424)	461.62312 (19120424)	405.88531 (19120424)	359.91791 (19120424)	323.08620 (19120424)
140.0	425.47030 (19040224)	375.38411 (19040224)	333.59655 (19040224)	302.08689 (19040224)	275.80716 (19040224)
150.0	390.09843 (19111824)	341.58770 (19101724)	304.81964 (19101724)	275.42473 (19101724)	256.54661 (19111824)
160.0	396.52091 (19011624)	344.42199 (19011624)	324.57004 (19011624)	294.44474 (19011624)	262.12569 (19011624)
170.0	452.14069 (19111724)	380.12833 (19111724)	336.69248 (19111724)	309.24260 (19111724)	281.02132 (19111724)
180.0	329.21620 (19010624)	283.22521 (19112024)	243.28929 (19110524)	216.07781 (19110524)	209.59073 (19112024)
190.0	347.40498 (19010624)	309.65103 (19010624)	268.58890 (19010624)	247.53420 (19010624)	203.47119 (19010624)
200.0	383.31864 (19011608)	335.39694 (19011608)	300.74778 (19011608)	276.54694 (19120524)	256.69695 (19120524)
210.0	313.56804 (19112924)	274.25603 (19112924)	244.52595 (19112924)	218.54624 (19112924)	207.42833 (19112924)
220.0	249.42491 (19120808)	216.41229 (19120808)	190.17004 (19120808)	172.18794 (19120808)	157.15122 (19120808)
230.0	324.22441 (19121524)	285.51334 (19121524)	245.86343 (19121524)	223.35690 (19121524)	194.08237 (19121524)
240.0	342.48047 (19111024)	299.24245 (19111024)	270.29481 (19111024)	241.27744 (19111024)	212.35671 (19111024)
250.0	373.01338 (19120708)	325.41881c(19010208)	286.32915c(19010208)	254.92622 (19020608)	228.56175 (19020608)
260.0	426.29401 (19010224)	377.07496 (19010224)	332.96032 (19010224)	295.04249 (19010224)	263.80274 (19010224)
270.0	297.94218 (19081924)	262.24431 (19081924)	235.67006 (19081924)	212.61421 (19081924)	190.38492 (19081924)
280.0	399.93959 (19112008)	366.82281 (19112008)	328.28224 (19111908)	298.15108 (19111908)	267.79638 (19111908)
290.0	375.48186 (19022208)	331.02257 (19022208)	298.57435 (19110508)	270.48215 (19110508)	246.69769 (19110508)
300.0	345.32956c(19121008)	304.26016c(19121008)	269.77482c(19121008)	239.77348c(19121008)	212.78998 (19012908)
310.0	342.55537 (19021608)	299.81935 (19021608)	267.66675 (19021608)	242.00597 (19021608)	214.51385 (19021608)
320.0	355.76750 (19010308)	321.06900 (19010308)	289.40368 (19010308)	258.32408 (19021708)	235.83543 (19021708)
330.0	351.80364 (19122908)	311.18367 (19122908)	276.92739 (19122908)	245.29268 (19122908)	223.07090 (19122908)
340.0	267.15160 (19010408)	236.40255 (19010408)	210.83176 (19010408)	190.06109 (19010408)	173.87986 (19010408)

350.0 | 219.88308 (19010408) 196.07818 (19021808) 175.16067 (19021808) 157.66610 (19042308) 143.39719 (19021808)
360.0 | 447.21924 (19121324) 394.30115 (19121324) 351.80657 (19121324) 318.32612 (19121324) 289.36924 (19121324)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	268.91600c(19121024)	246.03110c(19121024)	225.59669c(19121024)	208.14583c(19121024)	192.36926c(19121024)
20.0	201.61416 (19102124)	183.25948 (19102124)	166.82358 (19102124)	153.06971 (19102124)	141.76393 (19102124)
30.0	198.00671 (19101624)	182.11223 (19101624)	167.96294 (19101624)	155.15859 (19101624)	143.66510 (19010324)
40.0	260.30118 (19102724)	239.28160 (19102724)	219.66292 (19102724)	198.95356 (19102724)	181.25442 (19102724)
50.0	182.99690 (19113024)	170.02866 (19113024)	156.04547 (19113024)	144.03003 (19113024)	130.59764 (19113024)
60.0	214.17263 (19011224)	192.75296 (19011224)	177.42277 (19011224)	162.46239 (19011224)	146.40357 (19011224)
70.0	219.70485 (19011224)	199.21111 (19011224)	182.97922 (19011224)	167.35420 (19011224)	156.02856 (19011224)
80.0	138.11443c(19091524)	126.50837c(19091524)	114.31589c(19091524)	106.10164c(19091524)	98.37934 (19081724)
90.0	170.84304c(19091524)	157.47787c(19091524)	139.91792c(19091524)	133.17418c(19091524)	121.03776c(19091524)
100.0	176.34082 (19041124)	161.31601 (19041124)	148.35767 (19041124)	136.44112 (19041124)	126.52564 (19041124)
110.0	148.65309 (19022824)	135.49755 (19022824)	124.87696 (19011324)	114.98125 (19011324)	106.94470 (19011324)
120.0	228.88396 (19032624)	209.59121 (19032624)	195.55609 (19032624)	180.90801 (19032624)	168.20114 (19032624)
130.0	298.35108 (19120424)	279.04095 (19120424)	254.95314 (19120424)	239.77233 (19120424)	220.16043 (19120424)
140.0	251.06707 (19040224)	233.18202 (19040224)	215.58061 (19040224)	201.38910 (19040224)	186.35809 (19040224)
150.0	239.97083 (19111824)	209.26703 (19111824)	194.20617 (19101724)	180.66128 (19111824)	170.29824 (19111824)
160.0	232.72787 (19011624)	218.50336 (19011624)	199.40778 (19011624)	186.86701 (19011624)	173.15783 (19011624)
170.0	253.10787 (19111724)	234.34438 (19111724)	217.38936 (19111724)	202.63959 (19111724)	185.21441 (19111724)
180.0	194.16949 (19112024)	176.73441 (19112024)	162.52118 (19112524)	151.35830 (19112524)	141.50758 (19112524)
190.0	186.21432 (19010624)	170.68126 (19010624)	155.23761 (19010624)	153.71738 (19010624)	144.33407 (19010624)
200.0	230.22700 (19120524)	186.84694 (19011608)	172.66573 (19011608)	171.12834 (19120524)	159.63106 (19120524)

210.0	166.85696 (19112924)	152.99170 (19112924)	140.66266 (19112924)	140.84401 (19012524)	130.35172 (19112924)
220.0	148.22826 (19120808)	120.51919 (19012124)	110.97120 (19120808)	101.38709 (19120808)	100.02694 (19120808)
230.0	180.36746 (19121524)	166.22987 (19121524)	151.13385 (19121524)	137.28089 (19121524)	127.95848 (19120808)
240.0	194.12862 (19111024)	176.12706 (19111024)	152.93811 (19111024)	139.59553 (19120708)	134.55372 (19111024)
250.0	208.69302 (19020608)	188.82144 (19020608)	171.91025 (19020608)	156.11450 (19020608)	142.00759 (19020608)
260.0	240.96193 (19010224)	215.73173 (19010224)	195.49393 (19010224)	178.23921 (19010224)	167.27495 (19010224)
270.0	172.80658 (19081924)	157.13143 (19081924)	143.14038 (19081924)	133.47852 (19081924)	124.93744 (19081924)
280.0	242.47474 (19111908)	222.32188 (19111908)	199.97722 (19111908)	180.42375 (19111908)	168.42647 (19111908)
290.0	227.57878 (19110508)	210.36885 (19110508)	195.34626 (19110508)	183.89751 (19110508)	171.04706 (19110508)
300.0	190.71590 (19012908)	174.30993 (19012908)	160.60502 (19012908)	149.53640 (19012908)	135.88710 (19020708)
310.0	196.92232 (19021608)	179.02558 (19021608)	166.12665 (19021608)	151.03520 (19021608)	140.85532 (19021608)
320.0	212.39483 (19021708)	193.32078 (19021708)	179.29891 (19021708)	164.60465 (19021708)	150.20030 (19021708)
330.0	202.58496 (19122908)	186.00461 (19122908)	168.30430 (19122908)	154.60508 (19122908)	144.24000 (19122908)
340.0	158.04882 (19010408)	145.38827 (19010408)	131.18508 (19010408)	121.73222 (19010408)	113.87275 (19010408)
350.0	132.16974 (19021808)	120.96467 (19021808)	111.18231 (19021808)	102.53484 (19021808)	94.94667 (19021808)
360.0	265.38612 (19121324)	241.54292 (19121324)	220.57419 (19121324)	203.63344 (19121324)	188.69963 (19121324)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)
TANK	375.70	118.90	1722.33901	(19032224)	TANK	498.87	129.50	1532.62990	(19111924)
TANK	81.43	359.00	11073.46310	(19081516)	TANK	116.79	44.50	10761.34851	(19021924)
TANK	109.20	67.00	10006.19070	(19011224)	TANK	100.70	93.73	8493.35939c	(19091524)
TANK	87.91	103.99	8579.47836	(19082808)	TANK	99.82	123.38	10942.31564	(19111924)
TANK	138.00	141.00	8295.36918c	(19121424)	TANK	106.00	180.00	8183.95714	(19021316)
TANK	115.60	206.00	7439.94828	(19112924)	TANK	54.00	270.00	23193.48862	(19112008)
TANK	97.00	326.00	7950.68210	(19122908)	TANK	133.94	242.10	6178.58888c	(19010208)
TANK	101.99	301.65	9162.55100	(19111908)	TANK	236.54	274.95	3619.34736	(19112008)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	9626.02183 (19021824)	4102.33501 (19120724)	2450.66325 (19120724)	1667.78841 (19120724)	1231.33264 (19121324)
20.0	10030.52095 (19021824)	4149.70196 (19022124)	2340.07655 (19120724)	1546.37497 (19120724)	1114.66208 (19120724)
30.0	7933.13421 (19022124)	3281.97067 (19102724)	1943.57580 (19102724)	1311.09642 (19102724)	952.24961 (19102724)
40.0	10130.81222 (19112724)	3775.72703 (19010324)	2160.29740 (19010324)	1419.23585 (19010324)	1015.17773 (19010324)
50.0	10759.29454 (19011224)	4096.94988 (19021924)	2259.82746 (19102724)	1455.95294 (19102724)	998.15557c(19031524)
60.0	9375.87082 (19121624)	3775.03654 (19121624)	2118.24609 (19121624)	1384.94704 (19101524)	1006.11195 (19101524)
70.0	10063.14844 (19011224)	4203.82831 (19011224)	2425.90903 (19011224)	1613.64912 (19011224)	1184.59931 (19112724)
80.0	8126.68265 (19050324)	3144.33211 (19021524)	1811.05831 (19021524)	1179.21981 (19021524)	828.98327 (19021124)
90.0	8312.29397 (19080424)	3344.82269 (19080424)	1894.50409 (19080424)	1247.21669 (19080424)	896.82023 (19060224)
100.0	7615.94066 (19042108)	3166.87815 (19042108)	1797.99622 (19042108)	1183.62457 (19042108)	852.90327 (19081124)
110.0	7586.57788 (19120424)	3076.59980 (19090624)	1776.81106 (19022824)	1183.45450c(19091524)	842.26858c(19091524)
120.0	8771.62913 (19010924)	3849.12414 (19010924)	2273.92704 (19010924)	1530.29538 (19090624)	1133.20109 (19032224)
130.0	11964.00134 (19120424)	5037.67675 (19112424)	2912.93429 (19112424)	2001.13379 (19123124)	1490.33265 (19123124)
140.0	10797.13457 (19111924)	4634.62964 (19111824)	2691.93931 (19111824)	1808.59114 (19040224)	1325.73763 (19040224)
150.0	9204.02785 (19111824)	4135.61559 (19111824)	2442.60118 (19111824)	1650.47622 (19111824)	1207.35718 (19111824)
160.0	8889.07107 (19011624)	4227.35356 (19011624)	2560.66081 (19022808)	1731.16722 (19112824)	1258.99075 (19022808)
170.0	8774.33104 (19021316)	4067.04522 (19102024)	2461.17058 (19102024)	1686.64159 (19102024)	1204.19789 (19102024)
180.0	8234.60189 (19012516)	3424.30970 (19010624)	2060.07873 (19102024)	1396.10880 (19010624)	1019.13548 (19102024)
190.0	8218.65335 (19013016)	3415.97795 (19010624)	2085.11517 (19010624)	1427.58725 (19010624)	1049.41496 (19021324)
200.0	8854.64375 (19112924)	3860.56141 (19112924)	2252.16780 (19011608)	1539.65295 (19011608)	1153.94441 (19011608)
210.0	7424.94764 (19010808)	2894.46293 (19010808)	1691.84030 (19032908)	1157.98509 (19032908)	851.31084 (19032908)
220.0	7348.19988 (19110616)	3009.40155 (19101124)	1678.10303 (19101124)	1113.51985 (19120808)	811.13071 (19120808)
230.0	7746.54397 (19012124)	3403.40584 (19121524)	1991.71307 (19101124)	1338.27637 (19101124)	973.78312 (19101124)
240.0	8160.52547 (19120708)	3555.81077 (19121524)	2054.64023 (19121524)	1362.20742 (19121524)	994.02096 (19121524)

250.0 | 8529.99688 (19120708) 3849.25289 (19120708) 2297.04966 (19120708) 1572.12877 (19120708) 1156.68484 (19120708)
260.0 | 9703.81793c(19010208) 4115.82525c(19010208) 2371.55640c(19010208) 1580.49777c(19010208) 1139.38173c(19010208)
270.0 | 8563.59419 (19010108) 3603.17334 (19010108) 2053.58735 (19010108) 1352.98015 (19010108) 960.86153 (19010108)
280.0 | 10514.50317 (19010224) 3876.85418 (19010224) 2116.70675 (19010108) 1423.53287 (19010108) 1022.66675 (19010108)
290.0 | 9077.56265 (19112008) 3771.10655 (19090808) 2190.15235 (19090808) 1466.90103 (19090808) 1080.86332 (19022208)
300.0 | 9555.41506 (19090808) 3784.31011 (19111908) 2054.55433 (19020708) 1397.64636 (19020708) 1025.37653 (19020708)
310.0 | 7943.05907 (19090708) 3452.89341 (19090708) 2058.78116 (19090708) 1399.92463 (19090708) 1027.52597 (19090708)
320.0 | 6972.82019 (19090708) 3131.00652 (19010308) 1945.65896 (19010308) 1358.04446 (19122908) 1001.52951 (19122908)
330.0 | 6965.12887 (19021708) 2741.20181 (19021708) 1514.03963 (19103108) 1041.58268 (19103108) 772.96110 (19103108)
340.0 | 5733.83066 (19122908) 2492.70450c(19022308) 1507.06715 (19010408) 1041.60768 (19010408) 760.90501 (19081524)
350.0 | 5541.05331 (19022724) 2226.78899 (19012924) 1346.69611 (19012924) 921.34930 (19012924) 679.66641 (19102624)
360.0 | 8183.42127 (19081516) 3808.17962 (19041324) 2377.34098 (19041324) 1659.42769 (19041324) 1251.89580 (19041324)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	967.27855 (19121324)	790.08915 (19121324)	649.82531 (19121324)	536.33740 (19121324)	456.84928 (19120724)
20.0	841.29001 (19120724)	669.19185 (19120724)	541.71322 (19120724)	453.80669 (19120724)	386.34835 (19120724)
30.0	736.85433 (19120824)	589.59291 (19120824)	480.93133 (19102724)	406.12727 (19102724)	342.39310 (19120824)
40.0	759.36876 (19010324)	611.17958 (19010324)	497.17589 (19010324)	411.34407 (19010324)	339.59483 (19010324)
50.0	758.54091 (19113024)	608.73897 (19011224)	496.97382 (19113024)	409.08896 (19113024)	354.21225 (19113024)
60.0	778.09058 (19101524)	620.10068 (19101524)	496.08610 (19101524)	415.83899 (19101524)	376.10607 (19101524)
70.0	876.54491 (19112724)	687.59523 (19011224)	559.06229 (19112724)	461.29609 (19112724)	389.93834 (19112724)
80.0	623.29766 (19021124)	486.76632c(19091524)	397.23477 (19021524)	316.10343 (19021524)	262.38329 (19021524)
90.0	683.06670 (19060224)	530.04707 (19060224)	442.98926 (19060224)	374.98619 (19060224)	320.48623 (19060224)
100.0	659.63930 (19081124)	512.65094 (19081124)	440.65789 (19081124)	371.74784 (19081124)	322.22749 (19081124)

110.0 | 630.36537c(19091524) 489.75324c(19091524) 406.39017c(19091524) 343.53370c(19091524) 294.27606 (19011324)
120.0 | 870.25129 (19032224) 682.79030 (19032224) 570.56982 (19032224) 469.18834 (19032224) 408.26275 (19032224)
130.0 | 1164.16156 (19123124) 906.45174 (19123124) 772.13154 (19123124) 682.45338 (19111924) 590.21752 (19111924)
140.0 | 1028.49269 (19040224) 784.10533 (19040224) 630.03046 (19040224) 531.68038 (19040224) 480.74044c(19121424)
150.0 | 936.58869 (19101724) 748.50636 (19101724) 610.88399 (19101724) 498.77065 (19101724) 424.77629 (19051424)
160.0 | 978.24326 (19112824) 782.13740 (19022808) 637.24557 (19022808) 535.49510 (19112824) 452.96504 (19111524)
170.0 | 913.62264 (19102024) 728.85836 (19112408) 608.75715 (19112408) 521.23212 (19112408) 437.72393 (19112408)
180.0 | 788.98368 (19102024) 627.04304 (19102024) 516.26828 (19102024) 433.46533 (19112024) 369.08829 (19010624)
190.0 | 808.11612 (19021324) 648.02050 (19021324) 530.86930 (19021324) 443.58208 (19021324) 375.11445 (19021324)
200.0 | 900.11713 (19011608) 729.33673 (19011608) 601.81981 (19012524) 505.53328 (19012524) 431.83738 (19012524)
210.0 | 662.26851 (19032908) 545.45909 (19032908) 440.29749 (19032908) 372.73581 (19032908) 313.02276 (19032908)
220.0 | 619.19848 (19120808) 468.90478 (19112108) 416.29785 (19120808) 340.25845 (19111024) 284.78204 (19111024)
230.0 | 765.95998 (19021508) 601.93928 (19021508) 495.06857 (19041624) 418.77216 (19041624) 362.46871 (19041624)
240.0 | 778.83506 (19121508) 623.99879 (19121508) 514.67774 (19121508) 433.87304 (19121508) 372.02901 (19121508)
250.0 | 899.08784 (19120708) 731.10850 (19120708) 601.36834 (19120708) 505.97573c(19010208) 425.92946c(19010208)
260.0 | 889.04244 (19011124) 721.32161 (19011124) 597.66912 (19011124) 504.66054 (19011124) 433.41781 (19011124)
270.0 | 733.01385 (19081924) 588.48664 (19081924) 483.48447 (19081924) 399.24283 (19011124) 338.59927 (19011124)
280.0 | 789.12692 (19111208) 639.45556 (19111208) 525.60499 (19111208) 439.29496 (19111208) 380.55924 (19102808)
290.0 | 842.49756 (19111208) 669.72563 (19111208) 555.48491 (19110508) 471.59955 (19110508) 408.73176 (19110508)
300.0 | 790.05636 (19020708) 633.92074 (19020708) 519.91189 (19020708) 438.37915 (19090808) 374.34443 (19020708)
310.0 | 797.17197 (19090708) 649.50066 (19090708) 539.94325 (19090708) 454.83579 (19021708) 388.72845 (19021708)
320.0 | 772.43734 (19122908) 626.87903 (19122908) 514.95570 (19122908) 430.15910 (19122908) 366.73321 (19122908)
330.0 | 604.91396 (19103108) 490.63768 (19103108) 407.94513 (19103108) 343.63707 (19103108) 296.43386 (19103108)
340.0 | 577.45446c(19022308) 464.89423c(19022308) 386.95153c(19022308) 324.89038c(19022308) 280.41555c(19022308)
350.0 | 518.44914 (19102624) 410.82136 (19012924) 333.59854 (19012924) 288.74791 (19042308) 251.09620 (19042308)
360.0 | 986.46841 (19041324) 798.87777 (19041324) 663.16354 (19041324) 565.06094 (19041324) 490.34910 (19041324)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	395.13498 (19121324)	347.28537 (19120724)	309.81753 (19120724)	276.12682 (19120724)	247.82632 (19120724)
20.0	332.47145 (19120724)	294.85095 (19120724)	258.68145 (19120724)	226.60603 (19120724)	204.47123 (19120724)
30.0	295.08439 (19120824)	260.61144 (19120824)	228.90811 (19120824)	207.78632 (19120824)	186.09308 (19120824)
40.0	299.84178 (19010324)	259.03218 (19010324)	224.45936 (19010324)	197.43680c(19031524)	178.03224c(19031524)
50.0	312.75669c(19031524)	274.41632c(19031524)	244.15205c(19031524)	217.29876c(19031524)	188.68034c(19031524)
60.0	331.34998 (19101524)	289.75735 (19101524)	261.51215 (19101524)	237.21210 (19101524)	215.81800 (19101524)
70.0	334.54264 (19112724)	289.81379 (19112724)	254.83212 (19112724)	227.42312 (19112724)	203.84041 (19112724)
80.0	227.98549 (19081724)	202.28418 (19081724)	179.90540 (19081724)	159.62251 (19081724)	144.24399 (19081724)
90.0	279.24297 (19042108)	247.83493 (19042108)	219.64573 (19060224)	199.10057 (19042108)	177.69728 (19042108)
100.0	280.29972 (19081124)	247.55439 (19081124)	225.67170 (19081124)	203.54912 (19081124)	184.84310 (19081124)
110.0	257.37515 (19011324)	224.70656 (19011324)	202.90522 (19011324)	182.38691 (19011324)	163.61823 (19011324)
120.0	343.11626 (19032224)	307.89025 (19032224)	267.39083 (19032224)	242.18731 (19032224)	215.22030 (19032224)
130.0	510.11692 (19111924)	444.57865 (19111924)	390.46865 (19111924)	346.29082 (19111924)	311.09504 (19111924)
140.0	412.66997c(19121424)	356.44130c(19121424)	314.36553c(19121424)	274.99567c(19121424)	247.95647 (19102224)
150.0	389.57626 (19101724)	340.69622 (19051424)	302.78949 (19111824)	272.78890 (19111824)	252.41493 (19101724)
160.0	386.93845 (19112824)	334.34997 (19112824)	317.34792 (19111524)	288.62758 (19111524)	259.57281 (19111524)
170.0	392.48081 (19112408)	322.49653 (19112408)	287.91858 (19112408)	271.39980 (19112408)	253.82011 (19112408)
180.0	329.11836 (19112024)	281.34422 (19010624)	240.90257 (19010624)	216.02039 (19112024)	202.22469 (19010624)
190.0	329.37081 (19011508)	292.87917 (19011508)	254.73994 (19011508)	234.11672 (19011508)	190.75782 (19011508)
200.0	377.78711 (19012524)	329.51405 (19012524)	284.34424 (19012524)	260.77787 (19012524)	227.42844 (19012524)
210.0	273.68574 (19032908)	239.92478 (19032908)	216.07970 (19032908)	193.05402 (19032908)	187.81833 (19032908)
220.0	245.30110 (19111024)	214.05781 (19111024)	186.21634 (19111024)	170.68132 (19111108)	155.18898 (19112108)
230.0	318.72550 (19041624)	280.90069 (19041624)	242.11653 (19041624)	220.08505 (19041624)	191.31281 (19041624)
240.0	323.87167 (19121508)	283.41976 (19121508)	255.92260 (19121508)	229.84547 (19121508)	201.73236 (19121508)
250.0	371.66970c(19010208)	324.25698 (19020608)	286.18057 (19020608)	248.34327c(19010208)	221.43265c(19010208)
260.0	378.40950 (19011124)	335.20099 (19011124)	299.15474 (19011124)	268.12332 (19011124)	242.25737 (19011124)
270.0	294.46219 (19011124)	257.02279 (19011124)	224.83461 (19011124)	203.31581 (19011124)	182.30898 (19122808)

280.0 | 327.29522 (19102808) 298.84314 (19102808) 271.28935 (19102808) 248.66145 (19102808) 232.19307 (19102808)
290.0 | 368.10490 (19110508) 327.65545 (19110508) 297.40429 (19022208) 269.20959 (19022208) 245.54975 (19022208)
300.0 | 329.15243 (19020708) 287.50880 (19020708) 254.75038 (19020708) 230.71645 (19020708) 208.24320 (19020708)
310.0 | 336.08089 (19021708) 299.58542 (19021708) 263.99509 (19021708) 237.35594 (19021708) 209.15692 (19021708)
320.0 | 315.90700 (19122908) 282.16400 (19122908) 248.64361 (19122908) 222.23882 (19122908) 198.56165 (19122908)
330.0 | 260.82019 (19103108) 231.98470 (19103108) 208.06462 (19103108) 188.54395 (19103108) 170.39732 (19103108)
340.0 | 244.66047c(19022308) 217.16964c(19022308) 194.41193c(19022308) 174.49009c(19022308) 157.15680c(19022308)
350.0 | 219.59730 (19042308) 191.18544 (19010408) 169.43621 (19010408) 151.16907 (19010408) 137.16545 (19010408)
360.0 | 429.22491 (19041324) 380.61259 (19041324) 340.01488 (19041324) 305.85749 (19041324) 278.29756 (19041324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	227.48598 (19120724)	208.55277 (19120724)	190.54914 (19120724)	175.17633 (19120724)	159.16316 (19120724)
20.0	184.40778 (19120724)	164.71922 (19120724)	151.69950 (19120724)	140.30531 (19120724)	129.25452 (19120724)
30.0	167.47497 (19120824)	151.81992 (19120124)	139.03522 (19120824)	127.98125 (19120824)	119.26985 (19120824)
40.0	162.64113c(19031524)	149.56125c(19031524)	138.25168c(19031524)	128.29998c(19031524)	119.33144c(19031524)
50.0	170.77785c(19031524)	156.30939c(19031524)	143.73678c(19031524)	132.93929c(19031524)	124.40209c(19031524)
60.0	196.79433 (19101524)	181.19524 (19101524)	165.49077 (19101524)	152.46518 (19101524)	142.41648 (19101524)
70.0	186.53645 (19112724)	167.55790 (19112724)	153.07001 (19021524)	141.07022 (19112724)	131.61774 (19112724)
80.0	131.60632 (19081724)	120.18475 (19081724)	107.52899 (19081724)	104.18620 (19081724)	97.76421c(19091524)
90.0	159.31821 (19042108)	146.98891 (19042108)	131.97570 (19060224)	123.73134 (19042108)	114.09329 (19042108)
100.0	168.93020 (19081124)	154.77921 (19081124)	142.88110 (19081124)	131.11075 (19081124)	122.30708 (19081124)
110.0	148.06295c(19091524)	135.39638 (19011324)	122.68214c(19091524)	112.26760 (19022824)	104.09279 (19022824)
120.0	198.33159 (19032224)	182.47347 (19032224)	163.73046 (19041008)	151.88733 (19041008)	142.03168 (19041008)
130.0	287.09951 (19111924)	267.24210 (19111924)	242.51826 (19111924)	228.25120 (19111924)	209.86108 (19111924)

140.0 | 225.59175 (19102224) 211.61118 (19102224) 192.73399 (19102224) 177.18085 (19102224) 163.24282 (19102224)
150.0 | 231.99045 (19101724) 208.91969 (19101724) 193.97364 (19111824) 176.82655 (19101724) 165.72307 (19101724)
160.0 | 227.15879 (19111524) 213.55268 (19111524) 194.72606 (19111524) 182.09028 (19111524) 168.98148 (19111524)
170.0 | 228.64831 (19112408) 210.92729 (19112408) 196.54357 (19112408) 183.48600 (19112408) 172.28916 (19112408)
180.0 | 184.64089 (19010624) 167.19874 (19010624) 153.18840 (19010624) 141.25059 (19010624) 133.74362 (19010624)
190.0 | 173.01168 (19011508) 158.91482 (19011508) 146.65822 (19011508) 145.79700 (19011508) 136.82286 (19011508)
200.0 | 211.18163 (19012524) 181.39859 (19012524) 167.47322 (19012524) 158.45491 (19012524) 145.02862 (19012524)
210.0 | 146.30961 (19032908) 134.56082 (19032908) 124.35056 (19032908) 126.34674 (19032908) 117.58457 (19032908)
220.0 | 147.57196 (19012124) 117.87341 (19111024) 108.88533 (19111024) 100.55831 (19111024) 98.76853 (19112108)
230.0 | 177.86587 (19041624) 165.47558 (19041624) 150.98266 (19041624) 135.43184 (19041624) 127.74545 (19021508)
240.0 | 184.64552 (19121508) 167.71286 (19121508) 145.92988 (19121508) 131.71035 (19121508) 129.79565 (19121508)
250.0 | 201.75434c(19010208) 182.70210c(19010208) 170.86531c(19010208) 151.28921c(19010208) 139.75488c(19010208)
260.0 | 221.34343 (19011124) 199.86860 (19011124) 182.19731 (19011124) 165.97165 (19011124) 156.00995 (19011124)
270.0 | 166.89130 (19122808) 152.07127 (19122808) 138.88998 (19122808) 127.50789 (19122808) 119.12068 (19122808)
280.0 | 209.30008 (19102808) 188.77104 (19102808) 173.98771 (19102808) 162.54702 (19102808) 153.58835 (19102808)
290.0 | 225.98757 (19022208) 208.66835 (19022208) 192.92077 (19022208) 177.89470 (19022208) 165.32516 (19022208)
300.0 | 187.84261 (19020708) 170.52646 (19020708) 155.03993 (19020708) 144.29566 (19020708) 135.24100 (19012908)
310.0 | 192.73488 (19021708) 175.64293 (19021708) 159.20712 (19021708) 146.94561 (19021708) 134.19961 (19021708)
320.0 | 180.12623 (19122908) 163.93818 (19122908) 154.48337 (19122908) 139.74146 (19122908) 129.95762 (19122908)
330.0 | 154.90628 (19103108) 142.46098 (19103108) 130.01820 (19103108) 118.96505 (19103108) 111.48925 (19103108)
340.0 | 143.65198c(19022308) 129.73272c(19022308) 120.17479c(19022308) 110.02746c(19022308) 100.51274c(19022308)
350.0 | 122.46123 (19010408) 110.13786 (19010408) 101.89054 (19010408) 94.05602 (19010408) 86.22552 (19010408)
360.0 | 255.14959 (19041324) 235.11036 (19041324) 217.68537 (19041324) 201.57628 (19041324) 187.57292 (19041324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC

(YYMMDDHH)

TANK	:	375.70	118.90	1673.45675 (19090624)	TANK	:	498.87	129.50	1479.35316 (19123124)
TANK	:	81.43	359.00	9478.62202 (19121324)	TANK	:	116.79	44.50	9511.99245 (19102724)
TANK	:	109.20	67.00	9020.78158 (19103124)	TANK	:	100.70	93.73	8105.57084 (19042108)
TANK	:	87.91	103.99	7953.84539 (19070124)	TANK	:	99.82	123.38	9323.17658 (19010924)
TANK	:	138.00	141.00	7454.63012 (19111824)	TANK	:	106.00	180.00	7559.10553 (19012516)
TANK	:	115.60	206.00	6607.74985 (19010808)	TANK	:	54.00	270.00	16999.52987 (19020608)
TANK	:	97.00	326.00	7468.37237 (19040716)	TANK	:	133.94	242.10	6167.69809 (19120708)
TANK	:	101.99	301.65	9145.50464 (19090808)	TANK	:	236.54	274.95	3031.49235 (19010108)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	71370.46504	(19112006) AT (	-54.00, -0.00) DP	26.	48876.17453	(19112619) AT (	83.35, -54.92) DP
2.	71358.32533	(19071506) AT (	-54.00, -0.00) DP	27.	48085.79264	(19081921) AT (	-54.00, -0.00) DP
3.	63896.68847	(19010106) AT (	-54.00, -0.00) DP	28.	47201.82428	(19011220) AT (	93.97, 34.20) GP
4.	61543.63529	(19010221) AT (	-54.00, -0.00) DP	29.	46381.19664	(19112808) AT (	17.36, -98.48) GP
5.	60650.00198	(19071906) AT (	-54.00, -0.00) DP	30.	45996.55755	(19011221) AT (	-54.00, -0.00) DP
6.	60575.00443	(19010220) AT (	-54.00, -0.00) DP	31.	45956.25764	(19102806) AT (	-54.00, -0.00) DP
7.	60405.63674	(19112008) AT (	-54.00, -0.00) DP	32.	45833.68315	(19111506) AT (	-54.00, -0.00) DP
8.	58828.21865	(19011306) AT (	-54.00, -0.00) DP	33.	45687.82058	(19111906) AT (	-54.00, -0.00) DP
9.	56616.22205	(19010206) AT (	-54.00, -0.00) DP	34.	45653.01131	(19112721) AT (	100.52, 42.67) DP
10.	56284.36154	(19111808) AT (	-54.00, -0.00) DP	35.	45318.83160	(19113007) AT (	-54.00, -0.00) DP
11.	55307.38165	(19042306) AT (	-1.42, 81.42) DP	36.	45201.63004	(19112707) AT (	-54.00, -0.00) DP
12.	55165.28235	(19010219) AT (	-54.00, -0.00) DP	37.	45008.93532	(19011220) AT (	100.52, 42.67) DP
13.	55153.38177	(19020807) AT (	-54.00, -0.00) DP	38.	44719.06425	(19021108) AT (	-54.00, -0.00) DP
14.	54154.38031	(19120607) AT (	-54.00, -0.00) DP	39.	44631.07373	(19111821) AT (	50.00, -86.60) GP
15.	53771.80716	(19112007) AT (	-54.00, -0.00) DP	40.	44508.15229	(19090806) AT (	-54.00, -0.00) DP
16.	52788.89843	(19020606) AT (	-54.00, -0.00) DP	41.	44399.86169	(19111907) AT (	-54.00, -0.00) DP
17.	52284.27244	(19071706) AT (	-54.00, -0.00) DP	42.	44352.11337	(19082107) AT (	-54.00, -0.00) DP
18.	51838.18265	(19070706) AT (	-54.00, -0.00) DP	43.	44087.36574	(19112721) AT (	86.60, 50.00) GP
19.	50849.06985	(19042206) AT (	-54.00, -0.00) DP	44.	43941.80089	(19111821) AT (	64.28, -76.60) GP
20.	50545.98325	(19021506) AT (	-54.00, -0.00) DP	45.	43837.61371	(19071806) AT (	-54.00, -0.00) DP
21.	50442.07482	(19112721) AT (	93.97, 34.20) GP	46.	43737.40434	(19081920) AT (	-54.00, -0.00) DP
22.	49629.63130	(19120819) AT (	-54.00, -0.00) DP	47.	43367.32179	(19111807) AT (	-54.00, -0.00) DP
23.	49123.53776	(19011220) AT (	86.60, 50.00) GP	48.	43242.01466	(19020507) AT (	-54.00, -0.00) DP
24.	49004.89994	(19112619) AT (	86.60, -50.00) GP	49.	42738.50269	(19020608) AT (	-54.00, -0.00) DP
25.	49002.56920	(19051321) AT (	-54.00, -0.00) DP	50.	42699.34435	(19112619) AT (	76.60, -64.28) GP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	23232.77928	(19010224) AT	(-54.00, -0.00) DP
2.	23193.48862	(19112008) AT	(-54.00, -0.00) DP
3.	18052.88134	(19112724) AT	(86.60, 50.00) GP
4.	17612.06441	(19112724) AT	(76.60, 64.28) GP
5.	16999.52987	(19020608) AT	(-54.00, -0.00) DP
6.	16984.87708	(19122116) AT	(-54.00, -0.00) DP
7.	16892.55873	(19102416) AT	(-54.00, -0.00) DP
8.	16605.28727	(19111808) AT	(-54.00, -0.00) DP
9.	16393.20384	(19072124) AT	(-54.00, -0.00) DP
10.	16102.84663	(19010108) AT	(-54.00, -0.00) DP
11.	15874.39475	(19081924) AT	(-54.00, -0.00) DP
12.	14634.72227c	(19010208) AT	(-54.00, -0.00) DP
13.	14453.55141	(19122816) AT	(-54.00, -0.00) DP
14.	14359.09726	(19051616) AT	(-54.00, -0.00) DP
15.	14143.38000	(19111908) AT	(-54.00, -0.00) DP
16.	13656.80568	(19011124) AT	(-54.00, -0.00) DP
17.	13459.57600	(19042916) AT	(-54.00, -0.00) DP
18.	13442.91562	(19040416) AT	(-54.00, -0.00) DP
19.	13291.67116	(19050816) AT	(-54.00, -0.00) DP
20.	13281.29820	(19021108) AT	(-54.00, -0.00) DP
21.	13178.76623	(19021924) AT	(64.28, 76.60) GP
22.	13057.28419	(19102908) AT	(-54.00, -0.00) DP
23.	12896.05046	(19042208) AT	(-54.00, -0.00) DP
24.	12773.96433	(19112724) AT	(100.52, 42.67) DP
25.	12564.98288	(19111908) AT	(-93.97, 34.20) GP
26.	12479.60809	(19112424) AT	(64.28, -76.60) GP
27.	12456.45501	(19043016) AT	(-54.00, -0.00) DP
28.	12444.41605	(19120608) AT	(-54.00, -0.00) DP
29.	12390.56373	(19020116) AT	(-54.00, -0.00) DP
30.	12338.55741	(19011224) AT	(86.60, 50.00) GP
31.	12321.22923	(19113008) AT	(-54.00, -0.00) DP
32.	12243.07488	(19082108) AT	(-54.00, -0.00) DP
33.	12231.30225	(19102424) AT	(-54.00, -0.00) DP
34.	12196.51781	(19111924) AT	(76.60, -64.28) GP
35.	12184.84510	(19112724) AT	(93.97, 34.20) GP
36.	12111.33807	(19010224) AT	(-100.00, -0.00) GP
37.	12053.13503	(19112424) AT	(76.60, -64.28) GP
38.	11964.00134	(19120424) AT	(76.60, -64.28) GP
39.	11933.87489	(19112808) AT	(34.20, -93.97) GP
40.	11902.16576	(19121516) AT	(-54.00, -0.00) DP
41.	11813.43988	(19121524) AT	(-54.00, -0.00) DP
42.	11774.41877	(19071508) AT	(-54.00, -0.00) DP
43.	11700.02799	(19120424) AT	(83.35, -54.92) DP
44.	11688.47774	(19112808) AT	(17.36, -98.48) GP
45.	11587.39767c	(19121024) AT	(17.36, 98.48) GP
46.	11443.88209	(19021016) AT	(-54.00, -0.00) DP
47.	11433.76899	(19021924) AT	(76.60, 64.28) GP
48.	11416.04775c	(19121424) AT	(64.28, -76.60) GP
49.	11403.93084c	(19121024) AT	(-1.42, 81.42) DP
50.	11360.09725	(19102724) AT	(64.28, 76.60) GP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (8760 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	1935.12292 AT (-54.00, -0.00, 7.66, 7.66, 0.00) DP	
	2ND HIGHEST VALUE IS	1251.99536 AT (-86.60, -50.00, 7.10, 7.10, 0.00) GP	POL1
	3RD HIGHEST VALUE IS	1227.67476 AT (-76.60, -64.28, 6.80, 6.80, 0.00) GP	POL1
	4TH HIGHEST VALUE IS	1161.28357 AT (-93.97, -34.20, 7.30, 7.30, 0.00) GP	POL1
	5TH HIGHEST VALUE IS	1139.74035 AT (-64.28, -76.60, 6.40, 6.40, 0.00) GP	POL1
	6TH HIGHEST VALUE IS	1031.24947 AT (-50.00, -86.60, 6.40, 6.40, 0.00) GP	POL1
	7TH HIGHEST VALUE IS	989.94142 AT (-98.48, -17.36, 7.50, 7.50, 0.00) GP	POL1
	8TH HIGHEST VALUE IS	919.22115 AT (-34.20, -93.97, 6.40, 6.40, 0.00) GP	POL1
	9TH HIGHEST VALUE IS	918.87579 AT (86.60, 50.00, 7.20, 7.20, 0.00) GP	POL1

10TH HIGHEST VALUE IS 898.57052 AT (76.60, 64.28, 7.20, 7.20, 0.00) GP POL1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	71370.46504	ON 19112006: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 2ND HIGH VALUE IS	71358.32533	ON 19071506: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 3RD HIGH VALUE IS	63896.68847	ON 19010106: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	23232.77928	ON 19010224: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 2ND HIGH VALUE IS	23193.48862	ON 19112008: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 3RD HIGH VALUE IS	16999.52987	ON 19020608: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:12:07

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 229 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 144 Calm Hours Identified

A Total of 85 Missing Hours Identified (0.97 Percent)

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** AERMOD Finishes Successfully ***
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**USEgeneric12020withAERMAPProcessedElevs

CO STARTING
CO TITLEONE USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020
CO MODELOPT DFAULT CONC ELEV
**CO MODELOPT CONC ELEVATED
CO AVERTIME 1 8 PERIOD
CO POLLUTID HCL
CO RUNORNOT RUN
**CO URBANOPT UrbPop (UrbName) (UrbRoughness)
CO URBANOPT 397809
CO FINISHED

SO STARTING
SO LOCATION TANK  AREA  0.0 0.0 0.0
SO URBANSRC ALL
**SO EMISFACT SrcID or SrcRange Qflag Qfact(i), i=1,n  HOUR-OF-Day Specific factor
** HOURLY SPECIFIC EMISSIONS ADJUSTMENT: 1-5 0  6-21 1.0  22 -24 0
SO EMISFACT TANK HROFDY 5*0.0 16*1.0 3*0.0
SO SRCPARAM TANK 1.0 6.096 6.096
SO SRCGROUP ALL
SO FINISHED

RE STARTING

** AERMAP - VERSION 18081                                    12/09/22
**                                                  14:52:07
**  Using USGS_ned_1_N28W083_GRIDFLOAT.TIF
**  With NAD27 Anchor Point
** A total of       1  NED files were used
** A total of     736  receptors were processed
** DOMAINXY  361366.0 3090645.0 17 369209.0 3097023.0 17
** ANCHORXY  0.0      0.0     364725.57  3093695.53  17  0
** Terrain heights were extracted by default

RE ELEVUNIT METERS
  GRIDPOLR POL1 STA
        POL1 ORIG   0.0   0.0
        POL1 DIST   100.   200. 300. 400. 500. 600. 700. 800. 900. 1000. 1100. 1200. 1300. 1400. 1500. 1600. 1700. 1800.
1900. 2000.
        POL1 GDIR   36     10.    10.
  GRIDPOLR POL1     ELEV    1      8.3      9.2      9.0      8.7      8.8      8.1
  GRIDPOLR POL1     ELEV    1      6.9      6.5      8.2      9.2      9.4      9.8
  GRIDPOLR POL1     ELEV    1      9.4      9.8     10.0     10.1      9.8      9.6
  GRIDPOLR POL1     ELEV    1      8.5      7.3
  GRIDPOLR POL1     ELEV    2      8.2      8.7      8.6      8.6      8.4      8.4
  GRIDPOLR POL1     ELEV    2      7.3      6.5      7.1      8.2      9.4      9.6
  GRIDPOLR POL1     ELEV    2      9.1      8.9      8.6      7.9      6.4      6.4
  GRIDPOLR POL1     ELEV    2      6.9      7.3
  GRIDPOLR POL1     ELEV    3      7.8      8.4      8.5      8.5      8.8      8.1
  GRIDPOLR POL1     ELEV    3      7.6      7.3      6.3      6.5      6.3      6.0
  GRIDPOLR POL1     ELEV    3      6.7      6.9      6.1      5.7      5.7      5.5
  GRIDPOLR POL1     ELEV    3      5.1      5.1
  GRIDPOLR POL1     ELEV    4      7.4      7.8      8.1      8.3      8.4      8.6
  GRIDPOLR POL1     ELEV    4      6.4      5.8      5.1      5.4      2.0      2.0
  GRIDPOLR POL1     ELEV    4      2.0      2.0      2.0      2.0      2.0      2.0
  GRIDPOLR POL1     ELEV    4      2.0      2.0
  GRIDPOLR POL1     ELEV    5      7.2      7.6      7.4      6.8      7.8      7.6
  GRIDPOLR POL1     ELEV    5      4.6      3.4      2.0      2.0      5.6      6.2
  GRIDPOLR POL1     ELEV    5      6.3      7.4      8.0      7.1      7.7      7.1
  GRIDPOLR POL1     ELEV    5      6.7      7.3
  GRIDPOLR POL1     ELEV    6      7.2      7.4      6.8      6.0      6.8      4.7
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GRIDPOLR	POL1	ELEV	6	3.8	2.0	2.0	6.2	7.0	5.7
GRIDPOLR	POL1	ELEV	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR	POL1	ELEV	6	7.4	7.9				
GRIDPOLR	POL1	ELEV	7	7.1	7.0	6.4	5.9	7.1	10.0
GRIDPOLR	POL1	ELEV	7	2.6	2.0	10.0	7.7	7.8	7.4
GRIDPOLR	POL1	ELEV	7	7.1	7.0	6.9	9.0	7.1	7.3
GRIDPOLR	POL1	ELEV	7	7.0	8.1				
GRIDPOLR	POL1	ELEV	8	6.8	6.9	5.8	5.4	5.1	3.2
GRIDPOLR	POL1	ELEV	8	2.0	2.0	7.3	8.4	10.1	10.1
GRIDPOLR	POL1	ELEV	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR	POL1	ELEV	8	7.6	8.2				
GRIDPOLR	POL1	ELEV	9	6.6	6.4	5.8	4.8	4.6	4.2
GRIDPOLR	POL1	ELEV	9	2.0	4.8	5.6	6.7	7.7	7.6
GRIDPOLR	POL1	ELEV	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR	POL1	ELEV	9	6.7	7.0				
GRIDPOLR	POL1	ELEV	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR	POL1	ELEV	10	2.0	5.1	4.9	5.6	5.3	5.3
GRIDPOLR	POL1	ELEV	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR	POL1	ELEV	10	7.3	7.9				
GRIDPOLR	POL1	ELEV	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR	POL1	ELEV	11	2.0	6.3	8.7	8.1	5.1	5.4
GRIDPOLR	POL1	ELEV	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR	POL1	ELEV	11	7.0	6.8				
GRIDPOLR	POL1	ELEV	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR	POL1	ELEV	12	2.0	4.5	10.1	8.2	9.3	4.8
GRIDPOLR	POL1	ELEV	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR	POL1	ELEV	12	7.3	7.3				
GRIDPOLR	POL1	ELEV	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR	POL1	ELEV	13	2.0	3.1	7.7	8.0	7.5	5.7
GRIDPOLR	POL1	ELEV	13	4.4	3.8	3.7	4.2	5.1	5.7
GRIDPOLR	POL1	ELEV	13	7.0	6.2				
GRIDPOLR	POL1	ELEV	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR	POL1	ELEV	14	1.2	0.0	0.0	3.3	3.3	3.4
GRIDPOLR	POL1	ELEV	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR	POL1	ELEV	14	5.8	5.4				
GRIDPOLR	POL1	ELEV	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR	POL1	ELEV	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR	POL1	ELEV	15	3.0	3.0	5.6	7.2	4.1	4.6
GRIDPOLR	POL1	ELEV	15	4.9	5.6				
GRIDPOLR	POL1	ELEV	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR	POL1	ELEV	16	5.3	3.8	1.5	2.3	0.0	0.0
GRIDPOLR	POL1	ELEV	16	3.7	5.3	3.8	1.6	3.3	3.6
GRIDPOLR	POL1	ELEV	16	4.4	4.1				
GRIDPOLR	POL1	ELEV	17	6.1	5.0	4.7	3.5	5.0	5.0
GRIDPOLR	POL1	ELEV	17	4.8	4.5	9.4	2.4	3.6	0.0
GRIDPOLR	POL1	ELEV	17	0.0	1.7	3.2	2.3	2.8	3.3
GRIDPOLR	POL1	ELEV	17	3.6	4.1				
GRIDPOLR	POL1	ELEV	18	6.1	5.1	4.7	4.9	4.9	5.1
GRIDPOLR	POL1	ELEV	18	5.0	4.5	4.5	3.3	4.4	2.6
GRIDPOLR	POL1	ELEV	18	0.0	0.0	2.7	3.2	2.7	3.0
GRIDPOLR	POL1	ELEV	18	3.1	3.7				
GRIDPOLR	POL1	ELEV	19	6.3	5.0	4.7	4.8	5.2	5.5
GRIDPOLR	POL1	ELEV	19	5.3	4.8	4.9	4.4	4.7	4.9
GRIDPOLR	POL1	ELEV	19	3.2	4.1	0.2	0.0	0.0	0.0
GRIDPOLR	POL1	ELEV	19	3.4	3.7				
GRIDPOLR	POL1	ELEV	20	6.4	5.0	4.8	4.2	5.0	5.2
GRIDPOLR	POL1	ELEV	20	5.6	5.0	4.4	3.8	3.8	3.4
GRIDPOLR	POL1	ELEV	20	4.1	5.4	12.4	7.3	0.0	0.0
GRIDPOLR	POL1	ELEV	20	2.8	3.0				
GRIDPOLR	POL1	ELEV	21	6.4	4.8	5.3	5.2	4.6	4.9
GRIDPOLR	POL1	ELEV	21	7.3	4.7	4.6	3.2	3.1	2.7
GRIDPOLR	POL1	ELEV	21	2.9	2.6	6.3	0.0	0.0	0.1

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GRIDPOLR POL1    ELEV  21     2.7     3.1
GRIDPOLR POL1    ELEV  22     6.4     5.1     5.6     5.9     5.6     4.9
GRIDPOLR POL1    ELEV  22    16.0    11.8     5.0     4.5     3.4     2.6
GRIDPOLR POL1    ELEV  22     2.3     3.0     3.1     7.9     0.0     0.0
GRIDPOLR POL1    ELEV  22     0.0     1.7
GRIDPOLR POL1    ELEV  23     6.8     6.2     5.8     6.1     5.8     6.6
GRIDPOLR POL1    ELEV  23     5.4     4.9     4.6     4.6     4.7     4.4
GRIDPOLR POL1    ELEV  23     3.0     3.2     2.0     2.4     2.9     2.6
GRIDPOLR POL1    ELEV  23     1.6     2.2
GRIDPOLR POL1    ELEV  24     7.1     6.4     6.4     6.3     6.5     7.4
GRIDPOLR POL1    ELEV  24     6.2     5.9     5.6     5.3     5.2     4.6
GRIDPOLR POL1    ELEV  24     5.1     4.8     3.3     3.3     2.9     1.4
GRIDPOLR POL1    ELEV  24     0.8     2.0
GRIDPOLR POL1    ELEV  25     7.3     7.3     7.1     6.9     8.1     7.5
GRIDPOLR POL1    ELEV  25     7.8     7.7     7.9     6.5     6.2     5.6
GRIDPOLR POL1    ELEV  25     5.5     5.3     4.8     4.7     4.1     4.5
GRIDPOLR POL1    ELEV  25     3.0     1.9
GRIDPOLR POL1    ELEV  26     7.5     7.9     7.7     8.4     8.2     8.4
GRIDPOLR POL1    ELEV  26     8.4     8.3     8.6     8.3     8.1     7.9
GRIDPOLR POL1    ELEV  26     7.6     7.1     6.7     6.6     5.6     4.9
GRIDPOLR POL1    ELEV  26     4.0     4.5
GRIDPOLR POL1    ELEV  27     7.8     8.3     8.4     8.5     8.2     9.1
GRIDPOLR POL1    ELEV  27     8.4     8.6     7.9     6.7     6.9     6.6
GRIDPOLR POL1    ELEV  27     6.8     7.0     7.0     7.1     6.6     6.0
GRIDPOLR POL1    ELEV  27     6.2     6.4
GRIDPOLR POL1    ELEV  28     8.2     8.8     9.3     8.2     8.5     8.3
GRIDPOLR POL1    ELEV  28     8.3     7.7     6.9     6.9     6.0     7.3
GRIDPOLR POL1    ELEV  28     8.6     9.5    11.1    10.0     8.8     8.6
GRIDPOLR POL1    ELEV  28     8.9     9.6
GRIDPOLR POL1    ELEV  29     8.3     9.1     9.0     8.4     8.7     8.0
GRIDPOLR POL1    ELEV  29     7.8     7.5     7.3     7.3     8.5     8.6
GRIDPOLR POL1    ELEV  29     9.5     9.6     9.7    10.1    10.3    10.5
GRIDPOLR POL1    ELEV  29    11.3    11.1
GRIDPOLR POL1    ELEV  30     8.6     8.6     8.9     8.5     8.3     8.1
GRIDPOLR POL1    ELEV  30     7.6     7.4     7.8     8.4     9.7     8.8
GRIDPOLR POL1    ELEV  30     8.6     8.7    10.3     9.0     8.8     8.6
GRIDPOLR POL1    ELEV  30     8.7    10.1
GRIDPOLR POL1    ELEV  31     8.9     9.4     8.7     8.7     8.1     7.7
GRIDPOLR POL1    ELEV  31     8.0     8.2     8.8     8.0     8.3     9.1
GRIDPOLR POL1    ELEV  31    10.7    11.3     8.2     9.6     9.1     9.3
GRIDPOLR POL1    ELEV  31     7.9     7.9
GRIDPOLR POL1    ELEV  32     8.5     8.9     9.0     8.7     8.0     8.1
GRIDPOLR POL1    ELEV  32     8.5     9.2     9.7     8.6     8.4    10.4
GRIDPOLR POL1    ELEV  32    11.0    11.5    11.9    10.2     9.3    11.6
GRIDPOLR POL1    ELEV  32     8.9     8.7
GRIDPOLR POL1    ELEV  33     8.5     8.6     9.0     8.8     8.4     8.2
GRIDPOLR POL1    ELEV  33     8.2     9.9    10.9    11.0    12.7    11.4
GRIDPOLR POL1    ELEV  33    10.9    11.7    11.7    11.5    11.9     9.8
GRIDPOLR POL1    ELEV  33     8.0     9.0
GRIDPOLR POL1    ELEV  34     8.5     8.8     8.7     8.8     7.6     7.8
GRIDPOLR POL1    ELEV  34     7.4     9.4    10.8    10.8    11.3    10.7
GRIDPOLR POL1    ELEV  34    10.4    10.9    12.3    10.6    10.9     8.0
GRIDPOLR POL1    ELEV  34     8.0     8.6
GRIDPOLR POL1    ELEV  35     8.6     9.0     9.0     8.7     7.9     7.5
GRIDPOLR POL1    ELEV  35     7.6     8.5     9.8    10.0     9.8    10.2
GRIDPOLR POL1    ELEV  35     9.9     9.7     9.7    10.9    10.6    10.8
GRIDPOLR POL1    ELEV  35    10.7    11.0
GRIDPOLR POL1    ELEV  36     8.3     9.1     8.7     8.7     8.2     7.2
GRIDPOLR POL1    ELEV  36     7.1     8.4     9.4     9.4     8.2     8.5
GRIDPOLR POL1    ELEV  36     9.2     9.3    10.2    10.5    10.7    10.8
GRIDPOLR POL1    ELEV  36    10.2     9.8
GRIDPOLR POL1    HILL   1     8.3     9.2     9.0     8.7     8.8     8.1
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GRIDPOLR	POL1	HILL	1	6.9	6.5	8.2	9.2	9.4	9.8
GRIDPOLR	POL1	HILL	1	9.4	9.8	10.0	10.1	9.8	9.6
GRIDPOLR	POL1	HILL	1	8.5	7.3				
GRIDPOLR	POL1	HILL	2	8.2	9.5	8.6	8.6	8.4	8.4
GRIDPOLR	POL1	HILL	2	7.3	6.5	7.1	8.2	9.4	9.6
GRIDPOLR	POL1	HILL	2	9.1	8.9	8.6	7.9	6.4	6.4
GRIDPOLR	POL1	HILL	2	6.9	7.3				
GRIDPOLR	POL1	HILL	3	7.8	8.4	8.5	8.5	8.8	8.1
GRIDPOLR	POL1	HILL	3	7.6	7.3	6.3	6.5	6.3	6.0
GRIDPOLR	POL1	HILL	3	6.7	6.9	6.1	5.7	5.7	5.5
GRIDPOLR	POL1	HILL	3	5.1	5.1				
GRIDPOLR	POL1	HILL	4	7.4	7.8	8.1	8.3	8.4	8.6
GRIDPOLR	POL1	HILL	4	6.4	5.8	5.1	6.2	2.0	2.0
GRIDPOLR	POL1	HILL	4	2.0	2.0	2.0	2.0	2.0	2.0
GRIDPOLR	POL1	HILL	4	2.0	5.1				
GRIDPOLR	POL1	HILL	5	7.2	7.6	7.4	6.8	7.8	7.6
GRIDPOLR	POL1	HILL	5	4.6	3.4	2.0	2.0	5.6	6.2
GRIDPOLR	POL1	HILL	5	6.3	7.4	8.0	7.1	7.7	7.1
GRIDPOLR	POL1	HILL	5	7.9	7.3				
GRIDPOLR	POL1	HILL	6	7.2	7.4	6.8	6.0	6.8	12.5
GRIDPOLR	POL1	HILL	6	7.1	2.0	6.5	6.2	7.0	5.7
GRIDPOLR	POL1	HILL	6	7.0	7.6	8.5	8.6	9.4	7.7
GRIDPOLR	POL1	HILL	6	7.4	7.9				
GRIDPOLR	POL1	HILL	7	7.1	7.0	6.4	5.9	11.6	11.2
GRIDPOLR	POL1	HILL	7	5.0	2.0	10.0	7.7	7.8	7.4
GRIDPOLR	POL1	HILL	7	7.1	7.0	15.1	16.4	7.1	7.3
GRIDPOLR	POL1	HILL	7	7.0	8.1				
GRIDPOLR	POL1	HILL	8	6.8	6.9	5.8	5.4	5.1	4.1
GRIDPOLR	POL1	HILL	8	2.0	9.3	7.3	8.4	10.1	10.1
GRIDPOLR	POL1	HILL	8	9.4	8.2	7.8	7.6	7.2	5.7
GRIDPOLR	POL1	HILL	8	7.6	8.2				
GRIDPOLR	POL1	HILL	9	6.6	6.4	5.8	4.8	5.2	4.2
GRIDPOLR	POL1	HILL	9	2.0	5.9	5.6	6.7	7.7	7.6
GRIDPOLR	POL1	HILL	9	8.1	8.5	8.0	7.4	7.5	5.2
GRIDPOLR	POL1	HILL	9	6.7	7.0				
GRIDPOLR	POL1	HILL	10	6.6	6.1	5.8	4.9	3.5	4.0
GRIDPOLR	POL1	HILL	10	2.0	7.8	7.1	5.6	5.3	5.3
GRIDPOLR	POL1	HILL	10	7.6	7.8	8.3	8.6	8.3	8.5
GRIDPOLR	POL1	HILL	10	7.3	7.9				
GRIDPOLR	POL1	HILL	11	6.5	6.2	5.7	4.0	4.0	4.0
GRIDPOLR	POL1	HILL	11	2.0	9.5	8.7	8.1	5.1	5.4
GRIDPOLR	POL1	HILL	11	6.4	6.4	7.3	8.6	8.0	7.7
GRIDPOLR	POL1	HILL	11	7.0	6.8				
GRIDPOLR	POL1	HILL	12	6.7	6.0	5.2	4.1	4.2	3.5
GRIDPOLR	POL1	HILL	12	2.0	8.8	10.1	14.4	15.9	15.9
GRIDPOLR	POL1	HILL	12	6.8	7.5	5.8	6.3	6.7	7.6
GRIDPOLR	POL1	HILL	12	7.3	7.3				
GRIDPOLR	POL1	HILL	13	6.6	6.4	5.3	4.3	4.3	4.0
GRIDPOLR	POL1	HILL	13	4.0	3.8	7.7	8.0	8.3	13.2
GRIDPOLR	POL1	HILL	13	6.7	3.8	3.7	4.2	5.1	5.7
GRIDPOLR	POL1	HILL	13	7.0	6.2				
GRIDPOLR	POL1	HILL	14	6.5	6.3	5.4	4.7	3.9	4.2
GRIDPOLR	POL1	HILL	14	3.1	0.0	0.0	3.3	3.3	3.4
GRIDPOLR	POL1	HILL	14	3.2	3.5	4.2	4.2	5.1	5.2
GRIDPOLR	POL1	HILL	14	5.8	5.4				
GRIDPOLR	POL1	HILL	15	6.3	5.8	5.0	5.0	4.6	3.6
GRIDPOLR	POL1	HILL	15	2.9	2.3	0.0	0.0	3.8	3.2
GRIDPOLR	POL1	HILL	15	3.0	3.0	9.8	7.2	4.1	4.6
GRIDPOLR	POL1	HILL	15	4.9	5.6				
GRIDPOLR	POL1	HILL	16	6.2	5.6	4.5	4.8	5.3	5.2
GRIDPOLR	POL1	HILL	16	12.0	13.1	13.1	2.9	0.0	0.0
GRIDPOLR	POL1	HILL	16	3.7	5.3	3.8	3.1	3.3	3.6

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GRIDPOLR POL1    HILL  16    4.4    4.1
GRIDPOLR POL1    HILL  17    6.1    5.0    4.7    3.5    5.0    5.0
GRIDPOLR POL1    HILL  17    4.8   13.1    9.4    2.4    3.6    4.1
GRIDPOLR POL1    HILL  17    0.0    1.7    3.2    2.3    2.8    3.3
GRIDPOLR POL1    HILL  17    3.6    4.1
GRIDPOLR POL1    HILL  18    6.1    5.1    4.7    4.9    4.9    5.1
GRIDPOLR POL1    HILL  18    5.0    4.5    4.5    3.3    4.4    2.6
GRIDPOLR POL1    HILL  18    0.0    0.0    2.7    3.2    2.7    3.0
GRIDPOLR POL1    HILL  18    3.1    3.7
GRIDPOLR POL1    HILL  19    6.3    5.0    4.7    4.8    5.2    5.5
GRIDPOLR POL1    HILL  19    5.3    4.8    4.9    4.4    4.7    4.9
GRIDPOLR POL1    HILL  19   12.5   13.3   13.6   13.6    0.0    0.0
GRIDPOLR POL1    HILL  19    3.4    3.7
GRIDPOLR POL1    HILL  20    6.4    5.0    4.8    4.2    5.0    5.2
GRIDPOLR POL1    HILL  20    5.6    5.0    4.4    3.8    3.8    3.4
GRIDPOLR POL1    HILL  20    4.1   14.1   12.4   12.9   12.9    0.0
GRIDPOLR POL1    HILL  20    2.8    3.0
GRIDPOLR POL1    HILL  21    6.4    4.8    5.3    5.2    4.6   16.4
GRIDPOLR POL1    HILL  21   16.9   16.5    4.6    3.2    3.1    2.7
GRIDPOLR POL1    HILL  21    2.9    4.3   10.8   11.0    0.0    2.4
GRIDPOLR POL1    HILL  21    2.7    3.1
GRIDPOLR POL1    HILL  22    6.4    5.1    5.6    5.9    5.6   16.8
GRIDPOLR POL1    HILL  22   16.0   16.7   16.1    4.5    3.4    2.6
GRIDPOLR POL1    HILL  22    2.3    3.0    9.4    9.2    9.1    0.0
GRIDPOLR POL1    HILL  22    0.0    1.7
GRIDPOLR POL1    HILL  23    6.8    6.2    5.8    6.1    5.8    6.6
GRIDPOLR POL1    HILL  23   16.8   16.8   16.4    4.6    4.7    4.4
GRIDPOLR POL1    HILL  23    3.0    3.2    2.0    2.4    2.9    2.6
GRIDPOLR POL1    HILL  23    1.6    9.6
GRIDPOLR POL1    HILL  24    7.1    6.4    6.4    6.3    6.5    7.4
GRIDPOLR POL1    HILL  24    6.2    5.9    5.6    5.3    5.2    4.6
GRIDPOLR POL1    HILL  24    5.1    4.8    3.3    3.3    2.9    1.4
GRIDPOLR POL1    HILL  24    0.8    2.0
GRIDPOLR POL1    HILL  25    7.3    7.3    7.1    6.9    8.1    7.5
GRIDPOLR POL1    HILL  25    7.8    7.7    7.9    7.6    6.2    5.6
GRIDPOLR POL1    HILL  25    5.9    5.3    4.8    4.7    4.1    4.5
GRIDPOLR POL1    HILL  25    3.0    1.9
GRIDPOLR POL1    HILL  26    7.5    7.9    7.7    8.4    8.2    8.4
GRIDPOLR POL1    HILL  26    8.4    8.3    8.6    8.3    8.1    7.9
GRIDPOLR POL1    HILL  26    7.6    7.1    6.7    6.6    5.6    4.9
GRIDPOLR POL1    HILL  26    4.0    4.5
GRIDPOLR POL1    HILL  27    7.8    8.3    8.4    8.5    8.2    9.1
GRIDPOLR POL1    HILL  27    8.4    8.6    7.9    6.7    6.9    6.6
GRIDPOLR POL1    HILL  27    6.8    7.0    7.0    7.1    6.6   12.2
GRIDPOLR POL1    HILL  27   14.2   14.2
GRIDPOLR POL1    HILL  28    8.2    8.8    9.3    9.3    8.5    8.3
GRIDPOLR POL1    HILL  28    8.3    7.7    6.9    6.9    6.0    7.3
GRIDPOLR POL1    HILL  28    8.6    9.5   11.1   10.0    8.8    8.6
GRIDPOLR POL1    HILL  28    8.9    9.6
GRIDPOLR POL1    HILL  29    8.3    9.1    9.0    8.4    8.7    8.0
GRIDPOLR POL1    HILL  29    7.8    7.5    7.3    7.3    8.5    8.6
GRIDPOLR POL1    HILL  29    9.5    9.6    9.7   10.1   10.3   10.5
GRIDPOLR POL1    HILL  29   11.3   11.1
GRIDPOLR POL1    HILL  30    8.6    8.6    8.9    8.5    8.3    8.1
GRIDPOLR POL1    HILL  30    7.6    7.4    7.8    8.4    9.7    8.8
GRIDPOLR POL1    HILL  30    8.6    8.7   10.3    9.0    8.8    8.6
GRIDPOLR POL1    HILL  30    9.5   10.1
GRIDPOLR POL1    HILL  31    8.9    9.4    8.7    8.7    8.1    7.7
GRIDPOLR POL1    HILL  31    8.0    8.2    8.8    8.0    8.3    9.1
GRIDPOLR POL1    HILL  31   14.9   15.4    8.2    9.6    9.1    9.3
GRIDPOLR POL1    HILL  31    7.9    7.9
GRIDPOLR POL1    HILL  32    8.5    8.9    9.0    8.8    8.0    8.1
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  GRIDPOLR POL1     HILL  32      8.5     9.2     9.7     8.6     8.4    10.4
  GRIDPOLR POL1     HILL  32     11.0    11.5    11.9    10.2     9.3    11.6
  GRIDPOLR POL1     HILL  32      8.9     8.7
  GRIDPOLR POL1     HILL  33      8.5     8.6     9.0     8.8     8.4     8.2
  GRIDPOLR POL1     HILL  33      8.2     9.9    10.9    11.0    12.7    11.4
  GRIDPOLR POL1     HILL  33     10.9    11.7    11.7    11.5    11.9     9.8
  GRIDPOLR POL1     HILL  33      8.0     9.0
  GRIDPOLR POL1     HILL  34      8.5     8.8     8.7     8.8     7.6     7.8
  GRIDPOLR POL1     HILL  34      7.4     9.4    10.8    10.8    11.3    10.7
  GRIDPOLR POL1     HILL  34     10.4    10.9    12.3    16.6    10.9     8.0
  GRIDPOLR POL1     HILL  34      8.0     8.6
  GRIDPOLR POL1     HILL  35      8.6     9.0     9.0     8.7     7.9     7.5
  GRIDPOLR POL1     HILL  35      7.6     8.5     9.8    10.0     9.8    10.2
  GRIDPOLR POL1     HILL  35      9.9     9.7     9.7    10.9    10.6    10.8
  GRIDPOLR POL1     HILL  35     10.7    11.0
  GRIDPOLR POL1     HILL  36      8.3     9.1     8.7     8.7     8.2     7.2
  GRIDPOLR POL1     HILL  36      7.1     8.4     9.4     9.4     8.2     8.5
  GRIDPOLR POL1     HILL  36      9.2     9.3    10.2    10.5    10.7    10.8
  GRIDPOLR POL1     HILL  36     10.2    11.9
  GRIDPOLR POL1 END
  DISCPOLR TANK          375.70   118.90    4.13    4.13
  DISCPOLR TANK          498.87   129.50    4.28    4.28
  DISCPOLR TANK           81.43   359.00    8.22    8.22
  DISCPOLR TANK          116.79    44.50    7.45    7.45
  DISCPOLR TANK          109.20    67.00    7.18    7.18
  DISCPOLR TANK          100.70    93.73    6.54    6.54
  DISCPOLR TANK           87.91   103.99    6.86    6.86
  DISCPOLR TANK           99.82   123.38    6.79    6.79
  DISCPOLR TANK          138.00   141.00    5.94    5.94
  DISCPOLR TANK          106.00   180.00    5.90    5.90
  DISCPOLR TANK          115.60   206.00    5.94    5.94
  DISCPOLR TANK           54.00   270.00    7.66    7.66
  DISCPOLR TANK           97.00   326.00    8.52    8.52
  DISCPOLR TANK          133.94   242.10    7.16    7.16
  DISCPOLR TANK          101.99   301.65    8.70    8.70
  DISCPOLR TANK          236.54   274.95    8.35    8.35

RE FINISHED

ME STARTING
  SURFFILE  TPA2020_V19191.sfc
  PROFFILE  TPA2020_V19191.pfl
  SURFDATA  12842  2020
  UAIRDATA 12842  2020
  SITEDATA  12842  2020
  PROFBASE  0.0  METERS
ME FINISHED

OU STARTING
OU RECTABLE  ALLAVE  FIRST-THIRD
OU MAXTABLE  ALLAVE  50
OU SUMMFILE USECOLO1.SUM
OU FINISHED


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

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

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

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** SETUP Finishes Successfully ***
****

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 1
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 397809.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
ADJ_U* - Use ADJ_U* option for SBL in AERMET
CCVR_Sub - Meteorological data includes CCVR substitutions
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: HCL

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 736 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 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 19191

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs Tables of Overall Maximum Short Term Values (MAXTABLE 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) = 0.00 ; 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: GenericUSE1GramWithElevs2020f.inp
**Output Print File: GenericUSE1GramWithElevs2020f.out

**File for Summary of Results: USECOLO1.SUM
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
TANK	0	0.10000E+01	0.0	0.0	0.0	6.10	6.10	6.10	0.00	0.00	YES	HROFDY

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 3
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	TANK ,

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

URBAN ID	URBAN POP	SOURCE IDs
397809.	TANK	,

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

SOURCE ID = TANK ; SOURCE TYPE = AREA :

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

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

*** ORIGIN FOR POLAR NETWORK ***
X-ORIG = 0.00 ; Y-ORIG = 0.00 (METERS)

*** DISTANCE RANGES OF NETWORK ***
(METERS)

100.0, 200.0, 300.0, 400.0, 500.0, 600.0, 700.0, 800.0, 900.0, 1000.0,
1100.0, 1200.0, 1300.0, 1400.0, 1500.0, 1600.0, 1700.0, 1800.0, 1900.0, 2000.0,

*** DIRECTION RADIALS OF NETWORK ***
(DEGREES)

10.0, 20.0, 30.0, 40.0, 50.0, 60.0, 70.0, 80.0, 90.0, 100.0,
110.0, 120.0, 130.0, 140.0, 150.0, 160.0, 170.0, 180.0, 190.0, 200.0,
210.0, 220.0, 230.0, 240.0, 250.0, 260.0, 270.0, 280.0, 290.0, 300.0,
310.0, 320.0, 330.0, 340.0, 350.0, 360.0,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	8.70	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	4.70	3.80	2.00	2.00
70.00	7.10	7.00	6.40	5.90	7.10	10.00	2.60	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	3.20	2.00	2.00	7.30
90.00	6.60	6.40	5.80	4.80	4.60	4.20	2.00	4.80	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	5.10	4.90
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	6.30	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	4.50	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	2.00	3.10	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	1.20	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	5.30	3.80	1.50
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	4.50	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	4.90	7.30	4.70	4.60
220.00	6.40	5.10	5.60	5.90	5.60	4.90	16.00	11.80	5.00
230.00	6.80	6.20	5.80	6.10	5.80	6.60	5.40	4.90	4.60
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60
250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	8.20	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.70	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00

10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	5.40	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	6.90	9.00	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	8.20	9.30	4.80	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	7.50	5.70	4.40	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	5.60	7.20	4.10	4.60
160.00	2.30	0.00	0.00	3.70	5.30	3.80	1.60	3.30	3.60
170.00	2.40	3.60	0.00	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	3.20	4.10	0.20	0.00	0.00	0.00
200.00	3.80	3.80	3.40	4.10	5.40	12.40	7.30	0.00	0.00
210.00	3.20	3.10	2.70	2.90	2.60	6.30	0.00	0.00	0.10
220.00	4.50	3.40	2.60	2.30	3.00	3.10	7.90	0.00	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	6.50	6.20	5.60	5.50	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	6.00
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	10.70	11.30	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	10.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	2.00
50.00	6.70	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30

130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	2.20
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	6.20	6.40
280.00	8.90	9.60
290.00	11.30	11.10
300.00	8.70	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	9.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00
10.00	8.30	9.20	9.00	8.70	8.80	8.10	6.90	6.50	8.20
20.00	8.20	9.50	8.60	8.60	8.40	8.40	7.30	6.50	7.10
30.00	7.80	8.40	8.50	8.50	8.80	8.10	7.60	7.30	6.30
40.00	7.40	7.80	8.10	8.30	8.40	8.60	6.40	5.80	5.10
50.00	7.20	7.60	7.40	6.80	7.80	7.60	4.60	3.40	2.00
60.00	7.20	7.40	6.80	6.00	6.80	12.50	7.10	2.00	6.50
70.00	7.10	7.00	6.40	5.90	11.60	11.20	5.00	2.00	10.00
80.00	6.80	6.90	5.80	5.40	5.10	4.10	2.00	9.30	7.30
90.00	6.60	6.40	5.80	4.80	5.20	4.20	2.00	5.90	5.60
100.00	6.60	6.10	5.80	4.90	3.50	4.00	2.00	7.80	7.10
110.00	6.50	6.20	5.70	4.00	4.00	4.00	2.00	9.50	8.70
120.00	6.70	6.00	5.20	4.10	4.20	3.50	2.00	8.80	10.10
130.00	6.60	6.40	5.30	4.30	4.30	4.00	4.00	3.80	7.70
140.00	6.50	6.30	5.40	4.70	3.90	4.20	3.10	0.00	0.00
150.00	6.30	5.80	5.00	5.00	4.60	3.60	2.90	2.30	0.00
160.00	6.20	5.60	4.50	4.80	5.30	5.20	12.00	13.10	13.10
170.00	6.10	5.00	4.70	3.50	5.00	5.00	4.80	13.10	9.40
180.00	6.10	5.10	4.70	4.90	4.90	5.10	5.00	4.50	4.50
190.00	6.30	5.00	4.70	4.80	5.20	5.50	5.30	4.80	4.90
200.00	6.40	5.00	4.80	4.20	5.00	5.20	5.60	5.00	4.40
210.00	6.40	4.80	5.30	5.20	4.60	16.40	16.90	16.50	4.60
220.00	6.40	5.10	5.60	5.90	5.60	16.80	16.00	16.70	16.10
230.00	6.80	6.20	5.80	6.10	5.80	6.60	16.80	16.80	16.40
240.00	7.10	6.40	6.40	6.30	6.50	7.40	6.20	5.90	5.60

250.00	7.30	7.30	7.10	6.90	8.10	7.50	7.80	7.70	7.90
260.00	7.50	7.90	7.70	8.40	8.20	8.40	8.40	8.30	8.60
270.00	7.80	8.30	8.40	8.50	8.20	9.10	8.40	8.60	7.90
280.00	8.20	8.80	9.30	9.30	8.50	8.30	8.30	7.70	6.90
290.00	8.30	9.10	9.00	8.40	8.70	8.00	7.80	7.50	7.30
300.00	8.60	8.60	8.90	8.50	8.30	8.10	7.60	7.40	7.80
310.00	8.90	9.40	8.70	8.70	8.10	7.70	8.00	8.20	8.80
320.00	8.50	8.90	9.00	8.80	8.00	8.10	8.50	9.20	9.70
330.00	8.50	8.60	9.00	8.80	8.40	8.20	8.20	9.90	10.90
340.00	8.50	8.80	8.70	8.80	7.60	7.80	7.40	9.40	10.80
350.00	8.60	9.00	9.00	8.70	7.90	7.50	7.60	8.50	9.80
360.00	8.30	9.10	8.70	8.70	8.20	7.20	7.10	8.40	9.40

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00	9.20	9.40	9.80	9.40	9.80	10.00	10.10	9.80	9.60
20.00	8.20	9.40	9.60	9.10	8.90	8.60	7.90	6.40	6.40
30.00	6.50	6.30	6.00	6.70	6.90	6.10	5.70	5.70	5.50
40.00	6.20	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
50.00	2.00	5.60	6.20	6.30	7.40	8.00	7.10	7.70	7.10
60.00	6.20	7.00	5.70	7.00	7.60	8.50	8.60	9.40	7.70
70.00	7.70	7.80	7.40	7.10	7.00	15.10	16.40	7.10	7.30
80.00	8.40	10.10	10.10	9.40	8.20	7.80	7.60	7.20	5.70
90.00	6.70	7.70	7.60	8.10	8.50	8.00	7.40	7.50	5.20
100.00	5.60	5.30	5.30	7.60	7.80	8.30	8.60	8.30	8.50
110.00	8.10	5.10	5.40	6.40	6.40	7.30	8.60	8.00	7.70
120.00	14.40	15.90	15.90	6.80	7.50	5.80	6.30	6.70	7.60
130.00	8.00	8.30	13.20	6.70	3.80	3.70	4.20	5.10	5.70
140.00	3.30	3.30	3.40	3.20	3.50	4.20	4.20	5.10	5.20
150.00	0.00	3.80	3.20	3.00	3.00	9.80	7.20	4.10	4.60
160.00	2.90	0.00	0.00	3.70	5.30	3.80	3.10	3.30	3.60
170.00	2.40	3.60	4.10	0.00	1.70	3.20	2.30	2.80	3.30
180.00	3.30	4.40	2.60	0.00	0.00	2.70	3.20	2.70	3.00
190.00	4.40	4.70	4.90	12.50	13.30	13.60	13.60	0.00	0.00
200.00	3.80	3.80	3.40	4.10	14.10	12.40	12.90	12.90	0.00
210.00	3.20	3.10	2.70	2.90	4.30	10.80	11.00	0.00	2.40
220.00	4.50	3.40	2.60	2.30	3.00	9.40	9.20	9.10	0.00
230.00	4.60	4.70	4.40	3.00	3.20	2.00	2.40	2.90	2.60
240.00	5.30	5.20	4.60	5.10	4.80	3.30	3.30	2.90	1.40
250.00	7.60	6.20	5.60	5.90	5.30	4.80	4.70	4.10	4.50
260.00	8.30	8.10	7.90	7.60	7.10	6.70	6.60	5.60	4.90
270.00	6.70	6.90	6.60	6.80	7.00	7.00	7.10	6.60	12.20
280.00	6.90	6.00	7.30	8.60	9.50	11.10	10.00	8.80	8.60
290.00	7.30	8.50	8.60	9.50	9.60	9.70	10.10	10.30	10.50
300.00	8.40	9.70	8.80	8.60	8.70	10.30	9.00	8.80	8.60
310.00	8.00	8.30	9.10	14.90	15.40	8.20	9.60	9.10	9.30
320.00	8.60	8.40	10.40	11.00	11.50	11.90	10.20	9.30	11.60
330.00	11.00	12.70	11.40	10.90	11.70	11.70	11.50	11.90	9.80
340.00	10.80	11.30	10.70	10.40	10.90	12.30	16.60	10.90	8.00
350.00	10.00	9.80	10.20	9.90	9.70	9.70	10.90	10.60	10.80
360.00	9.40	8.20	8.50	9.20	9.30	10.20	10.50	10.70	10.80

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	8.50	7.30
20.00	6.90	7.30
30.00	5.10	5.10
40.00	2.00	5.10
50.00	7.90	7.30
60.00	7.40	7.90
70.00	7.00	8.10
80.00	7.60	8.20
90.00	6.70	7.00
100.00	7.30	7.90
110.00	7.00	6.80
120.00	7.30	7.30
130.00	7.00	6.20
140.00	5.80	5.40
150.00	4.90	5.60
160.00	4.40	4.10
170.00	3.60	4.10
180.00	3.10	3.70
190.00	3.40	3.70
200.00	2.80	3.00
210.00	2.70	3.10
220.00	0.00	1.70
230.00	1.60	9.60
240.00	0.80	2.00
250.00	3.00	1.90
260.00	4.00	4.50
270.00	14.20	14.20
280.00	8.90	9.60
290.00	11.30	11.10
300.00	9.50	10.10
310.00	7.90	7.90
320.00	8.90	8.70
330.00	8.00	9.00
340.00	8.00	8.60
350.00	10.70	11.00
360.00	10.20	11.90

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE POLAR RECEPTORS ***
ORIGIN: (DIST, DIR, ZELEV, ZHILL, ZFLAG)
SRCID: (METERS,DEG,METERS,METERS,METERS)

TANK : (375.7, 118.9, 4.1, 4.1, 0.0); TANK : (498.9, 129.5, 4.3, 4.3, 0.0);
TANK : (81.4, 359.0, 8.2, 8.2, 0.0); TANK : (116.8, 44.5, 7.5, 7.5, 0.0);

```
TANK      : (   109.2,    67.0,     7.2,     7.2,     0.0);  TANK      : (   100.7,    93.7,     6.5,     6.5,     0.0);
TANK      : (    87.9,   104.0,     6.9,     6.9,     0.0);  TANK      : (    99.8,   123.4,     6.8,     6.8,     0.0);
TANK      : (   138.0,   141.0,     5.9,     5.9,     0.0);  TANK      : (   106.0,   180.0,     5.9,     5.9,     0.0);
TANK      : (   115.6,   206.0,     5.9,     5.9,     0.0);  TANK      : (    54.0,   270.0,     7.7,     7.7,     0.0);
TANK      : (    97.0,   326.0,     8.5,     8.5,     0.0);  TANK      : (   133.9,   242.1,     7.2,     7.2,     0.0);
TANK      : (   102.0,   301.6,     8.7,     8.7,     0.0);  TANK      : (   236.5,   274.9,     8.4,     8.4,     0.0);
```

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 14
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 15
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: TPA2020_V19191.sfc Met Version: 19191
Profile file: TPA2020_V19191.pfl
Surface format: FREE
Profile format: FREE
Surface station no.: 12842 Upper air station no.: 12842
Name: UNKNOWN Name: UNKNOWN
Year: 2020 Year: 2020

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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
20 01 01   1 01   -7.5  0.110 -9.000 -9.000 -999.   87.    16.0  0.05   0.49  1.00    1.54  316.    7.9  287.5   2.0
20 01 01   1 02   -3.7  0.076 -9.000 -9.000 -999.   51.    10.8  0.04   0.49  1.00    1.14  332.    7.9  287.5   2.0
20 01 01   1 03   -5.3  0.090 -9.000 -9.000 -999.   65.    12.7  0.04   0.49  1.00    1.36  353.    7.9  287.5   2.0
20 01 01   1 04   -4.6  0.085 -9.000 -9.000 -999.   59.    12.0  0.04   0.49  1.00    1.28  356.    7.9  290.4   2.0
20 01 01   1 05   -5.5  0.092 -9.000 -9.000 -999.   67.    13.1  0.04   0.49  1.00    1.39  351.    7.9  290.9   2.0
20 01 01   1 06  -15.3  0.164 -9.000 -9.000 -999.  159.    29.5  0.10   0.49  1.00    1.90    2.    7.9  289.9   2.0
20 01 01   1 07  -21.6  0.218 -9.000 -9.000 -999.  244.    52.2  0.10   0.49  1.00    2.49    7.    7.9  287.0   2.0
20 01 01   1 08  -22.5  0.229 -9.000 -9.000 -999.  263.    57.6  0.10   0.49  0.70    2.61   10.    7.9  287.5   2.0
20 01 01   1 09   14.2  0.294  0.281  0.017   57.  382.  -162.7  0.10   0.49  0.33    3.09   14.    7.9  288.1   2.0
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20 01 01   1 10   51.7  0.388  0.710  0.010  251.  580.   -102.8  0.10   0.49   0.21    4.01   26.    7.9  289.2    2.0
20 01 01   1 11   84.1  0.390  0.970  0.010  395.  584.    -64.0  0.23   0.49   0.18    3.14   31.    7.9  290.9    2.0
20 01 01   1 12  104.3  0.275  1.077  0.015  436.  354.    -18.1  0.23   0.49   0.17    1.96   51.    7.9  293.8    2.0
20 01 01   1 13  111.1  0.227  1.132  0.014  474.  261.     -9.6  0.04   0.49   0.16    2.49  356.    7.9  293.1    2.0
20 01 01   1 14  102.2 -9.000 -9.000 -9.000  506. -999. -99999.0  0.10   0.49   0.17    0.00    0.    7.9  295.4    2.0
20 01 01   1 15   85.4  0.283  1.085  0.011  543.  361.    -24.1  0.04   0.49   0.18    3.36  232.    7.9  295.4    2.0
20 01 01   1 16   58.6  0.242  0.973  0.010  570.  287.    -22.1  0.04   0.49   0.21    2.86  234.    7.9  294.9    2.0
20 01 01   1 17   19.7 -9.000 -9.000 -9.000  578. -999. -99999.0  0.10   0.49   0.31    0.00    0.    7.9  294.9    2.0
20 01 01   1 18  -27.5  0.311 -9.000 -9.000 -999.  417.    106.6  0.04   0.49   0.63    4.36  337.    7.9  294.9    2.0
20 01 01   1 19  -19.4  0.200 -9.000 -9.000 -999.  221.     44.1  0.04   0.49   1.00    2.86  334.    7.9  294.2    2.0
20 01 01   1 20  -33.4  0.344 -9.000 -9.000 -999.  485.    130.3  0.10   0.49   1.00    3.86    7.    7.9  293.8    2.0
20 01 01   1 21  -31.4  0.322 -9.000 -9.000 -999.  439.    114.2  0.23   0.49   1.00    2.86   50.    7.9  292.0    2.0
20 01 01   1 22  -37.3  0.381 -9.000 -9.000 -999.  564.    159.7  0.23   0.49   1.00    3.36   42.    7.9  290.9    2.0
20 01 01   1 23  -37.3  0.381 -9.000 -9.000 -999.  565.    159.8  0.23   0.49   1.00    3.36   50.    7.9  291.4    2.0
20 01 01   1 24  -53.0  0.542 -9.000 -9.000 -999.  958.    323.4  0.15   0.49   1.00    5.36   90.    7.9  291.4    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 20 01 01 01    7.9 1  316.    1.54   287.6   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
♀ *** AERMOD - VERSION  19191 ***   *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020            ***
12/09/22
 *** AERMET - VERSION  19191 ***   ***                                                    ***       15:17:51
                                                                                 PAGE  16
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                        *** THE PERIOD (  8784 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL
***
                          INCLUDING SOURCE(S):     TANK       ,

                          *** NETWORK ID: POL1     ;  NETWORK TYPE: GRIDPOLR ***

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

  DIRECTION |                                    DISTANCE (METERS)
  (DEGREES) |      100.00      200.00      300.00      400.00      500.00      600.00      700.00      800.00      900.00
 ---------------------------------------------------------------------------------------------

      10.00 |   689.04966   225.11693   113.61341    69.44407    47.03848    34.42017    26.49369    20.97378    16.85511
      20.00 |   625.81726   194.86962    94.20881    55.60632    36.96998    26.36812    20.09479    15.81047    12.58875
      30.00 |   567.59036   168.11565    78.77219    45.70411    29.78190    21.30944    16.03618    12.46827    10.08109
      40.00 |   603.59964   176.02343    81.05567    46.50685    30.24647    21.25219    16.25282    12.63928    10.12443
      50.00 |   677.84665   197.05709    91.42320    52.93195    33.84787    23.81418    18.24169    14.17868    11.41407
      60.00 |   728.25696   214.90202   100.91579    58.74574    37.84950    27.17744    20.31380    15.84372
12.60603
      70.00 |   739.94800   222.07954   104.49040    60.57752    38.92698    26.58068    21.01678    16.28539
12.35296
      80.00 |   713.84822   216.60360   103.39366    59.92497    39.08978    27.93113    20.86017    16.06083    12.29595
      90.00 |   644.13695   202.40300    97.22291    57.33247    37.66208    26.62849    20.21986    15.28143    12.09391
     100.00 |   578.21605   192.57459    94.88449    57.13665    38.58097    27.37499    20.95544    15.86105
12.78031
     110.00 |   588.08451   207.41783   107.58928    67.74342    45.83480    33.36285    25.86454    19.54843
15.49706
     120.00 |   660.03345   251.16746   136.56167    87.18832    60.34088    44.76746    34.82001    27.34552
21.31484
     130.00 |   731.83082   287.11764   161.83208   105.13221    73.89283    55.01749    43.20999    34.49268
27.53002
     140.00 |   745.26078   295.58222   166.85868   108.66660    77.23211    57.37326    45.33516    36.33023
29.89014
     150.00 |   724.33723   285.22265   158.33136   100.72029    70.64045    52.99053    41.18331    33.04636
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27.55495
160.00 | 703.40626 274.29050 152.20327 95.49425 65.71946 48.67927 37.63821 30.58780
25.59731
170.00 | 709.54036 277.70347 150.53840 97.33215 66.15746 49.09122 38.17094 30.70010
23.88640
180.00 | 757.40264 284.68568 151.11524 93.86982 64.73148 47.46527 36.72850 29.43977
24.10071
190.00 | 878.12025 326.01547 169.49578 104.07664 70.44198 51.02900 39.19710 31.16228
25.26833
200.00 | 1036.97555 389.67392 205.15779 128.95077 88.21760 65.12327 50.00773 40.09860
32.98460
210.00 | 1136.95035 426.93125 223.39800 140.50131 97.87677 72.42608 55.56195 44.95492
37.02145
220.00 | 1168.57631 427.36097 220.90271 137.27431 94.80718 70.04007 48.54602 41.43196
35.30954
230.00 | 1167.41180 417.28168 217.56003 134.34989 92.48987 67.61545 52.39434 41.75153
34.21535
240.00 | 1149.57012 410.83150 212.98608 132.24873 90.68048 66.17320 51.41932 41.07837
33.64017
250.00 | 1086.09978 377.83470 196.30386 121.91363 82.62723 61.18737 47.10800 37.69551
30.79163
260.00 | 991.78696 333.88759 171.36903 103.65354 70.89597 51.57346 39.55087 31.47168
25.55915
270.00 | 906.69413 302.94579 153.90317 93.81193 63.95355 45.83624 35.31399 27.79017
22.78621
280.00 | 847.59012 289.14123 148.94924 94.61183 64.91838 47.98431 37.08956 29.76616
24.54827
290.00 | 809.95000 276.58100 145.29453 91.81539 63.35594 47.14797 36.53159 29.29110
24.13976
300.00 | 759.60041 259.79739 132.26656 82.01413 56.12616 41.09131 31.63841 25.18576
20.47474
310.00 | 704.91829 233.13099 120.25561 73.34017 50.24628 36.67444 27.86925 22.04720
17.81868
320.00 | 663.53964 216.22093 109.04577 67.00292 46.01760 33.44145 25.47771 20.13151
16.36164
330.00 | 592.63529 192.71206 95.99605 58.81010 40.14861 29.25675 22.39035 17.47412
14.10904
340.00 | 522.25867 168.16305 84.46553 51.22026 35.37827 25.60799 19.56430 15.16789
12.23035
350.00 | 510.40891 167.38333 84.06701 51.33382 35.13684 25.53096 19.38987 15.10937
12.10401
360.00 | 614.00962 204.07790 104.55659 63.93540 43.79113 32.25983 24.63261 19.30405
15.62629

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION	DISTANCE (METERS)								
(DEGREES)	1000.00	1100.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00
10.00	13.91099	11.72661	10.05872	8.77771	7.70673	6.83064	6.09380	5.50022	4.99509

20.00	10.27014	8.53064	7.25809	6.30145	5.51767	4.88409	4.36314	3.94323	3.55819
30.00	8.25038	6.90039	5.87030	5.03704	4.38296	3.88462	3.46384	3.11002	2.80638
40.00	8.25664	7.04299	5.95893	5.12121	4.45794	3.92085	3.46743	3.09317	2.78191
50.00	9.27204	7.50216	6.32124	5.43965	4.68688	4.10150	3.65751	3.25534	2.94393
60.00	10.05729	8.36418	7.14886	6.10891	5.30220	4.63693	4.12327	3.67395	3.33787
70.00	10.28885	8.58950	7.30725	6.28735	5.47439	4.81269	4.23617	3.81271	3.43005
80.00	9.95241	8.18474	6.92548	5.98342	5.23957	4.60901	4.08122	3.64659	3.29908
90.00	9.82478	8.12127	6.89085	5.91061	5.11834	4.51420	4.01191	3.57567	3.25332
100.00	10.45154	8.80891	7.49633	6.37759	5.57733	4.90458	4.35080	3.90697	3.53158
110.00	12.98216	11.27355	9.64411	8.33606	7.30240	6.42897	5.68735	5.13777	4.66096
120.00	18.32322	15.47273	13.83621	11.95583	10.54426	9.48397	8.46246	7.65298	6.92552
130.00	23.19635	19.96984	17.49798	15.40464	13.65814	12.18682	10.91228	9.80800	8.93212
140.00	25.13650	21.51634	18.65417	16.35412	14.48633	12.98300	11.66860	10.54764	9.61850
150.00	22.97021	19.01427	16.46565	14.39428	12.70090	11.09341	9.82741	9.05515	8.20872
160.00	21.21109	18.36433	15.82004	13.39062	11.71192	10.52830	9.52163	8.50778	7.73751
170.00	21.48402	18.10806	16.00784	13.97749	12.19188	10.81618	9.74754	8.79103	7.93656
180.00	20.33372	17.15333	15.00523	13.32915	11.70944	10.25225	9.15402	8.28427	7.53539
190.00	21.10588	17.81951	15.25088	13.46700	11.71003	10.89204	9.71594	8.72958	7.88710
200.00	27.67271	23.55614	20.37789	17.76306	15.57169	13.24328	12.29082	11.46191	10.41059
210.00	31.06968	26.55792	22.99872	20.19994	17.87329	16.07621	14.09746	12.77540	11.64572
220.00	29.57294	25.18653	21.73883	18.98035	16.81625	15.00348	13.39475	12.00048	10.89779
230.00	28.59171	24.37998	21.00703	18.41042	16.22940	14.45646	12.98357	11.74565	10.67443
240.00	28.17164	24.00287	20.76583	18.10497	16.00840	14.30262	12.83798	11.61160	10.57190
250.00	25.98031	22.13943	19.17828	16.79994	14.85438	13.24800	11.89396	10.76727	9.79909
260.00	21.38103	18.19673	15.69963	13.68829	12.08670	10.77214	9.67318	8.75878	7.97096
270.00	19.16763	16.10249	13.89521	12.04579	10.53054	9.33335	8.31821	7.51257	6.83463
280.00	20.55332	17.57073	15.17890	13.26482	11.72655	10.42899	9.42051	8.55555	7.80092
290.00	20.24294	17.27038	14.98607	13.06347	11.59597	10.36964	9.32767	8.42327	7.67950
300.00	16.97563	14.26320	12.37812	10.81286	9.51987	8.39603	7.58581	6.85629	6.22767
310.00	14.94728	12.66735	10.80205	9.31112	8.19823	7.41007	6.60068	5.96800	5.40789
320.00	13.78666	11.75811	10.01632	8.73179	7.69008	6.85026	6.21227	5.64291	5.09597
330.00	11.80321	9.85575	8.60534	7.56680	6.64614	5.92145	5.31561	4.79277	4.40523
340.00	10.17102	8.60662	7.46022	6.52326	5.71435	5.03947	4.56389	4.12366	3.78246
350.00	10.04531	8.51738	7.29903	6.34528	5.59301	4.95458	4.39519	3.97204	3.60581
360.00	13.00291	11.11818	9.54751	8.30822	7.31285	6.48249	5.78955	5.22699	4.75326

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:17:51

PAGE 18

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1900.00	2000.00
10.00	4.57060	4.19983
20.00	3.23081	2.94635
30.00	2.55402	2.33202
40.00	2.52548	2.29958
50.00	2.67535	2.42772
60.00	3.02823	2.75805
70.00	3.10705	2.81769
80.00	2.94941	2.66899
90.00	2.91670	2.64361

100.00	3.22152	2.94043
110.00	4.25976	3.89388
120.00	6.34233	5.83609
130.00	8.11965	7.47988
140.00	8.80347	8.09412
150.00	7.44976	6.81808
160.00	7.01659	6.43468
170.00	7.25730	6.63792
180.00	6.89456	6.28911
190.00	6.91531	6.31436
200.00	9.39920	8.62903
210.00	10.89008	10.02497
220.00	9.95892	9.25895
230.00	9.73846	8.93760
240.00	9.67049	8.88480
250.00	8.97047	8.25033
260.00	7.29564	6.68532
270.00	6.20565	5.66529
280.00	7.16278	6.57587
290.00	7.03600	6.48355
300.00	5.67099	5.19505
310.00	4.96830	4.56186
320.00	4.71064	4.33339
330.00	4.05951	3.70546
340.00	3.45819	3.17023
350.00	3.28886	2.99397
360.00	4.35157	4.00100

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 19
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8784 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC
TANK :	375.70	118.90	94.10570	TANK :	498.87	129.50	73.29691
TANK :	81.43	359.00	801.40837	TANK :	116.79	44.50	489.68187
TANK :	109.20	67.00	641.98675	TANK :	100.70	93.73	609.44565
TANK :	87.91	103.99	675.03630	TANK :	99.82	123.38	687.57579
TANK :	138.00	141.00	498.23118	TANK :	106.00	180.00	704.52967
TANK :	115.60	206.00	918.12577	TANK :	54.00	270.00	2077.74943
TANK :	97.00	326.00	651.49446	TANK :	133.94	242.10	743.77716
TANK :	101.99	301.65	727.92529	TANK :	236.54	274.95	225.53224

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 20
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	37057.05914 (20040806)	16324.30333 (20040806)	9747.61488 (20040806)	6649.35546 (20040806)	4895.12089 (20040806)
20.0	47187.46029 (20121320)	20880.96552 (20121320)	12530.20114 (20121320)	8613.42807 (20121320)	6393.68375 (20121320)
30.0	39172.53729 (20011219)	18049.39084 (20011219)	11060.54410 (20011219)	7688.96821 (20011219)	5769.96235 (20011219)
40.0	41986.66106 (20121918)	18074.62162 (20121918)	10783.97531 (20120418)	7518.60402 (20120418)	5648.04226 (20120418)
50.0	42197.73548 (20121918)	18107.36289 (20121918)	10589.79283 (20121918)	7081.02893 (20121918)	5244.59346 (20121218)
60.0	40344.35964 (20120506)	18119.69756 (20120506)	10862.96441 (20120506)	7375.24986 (20120506)	5542.45271 (20120506)
70.0	37443.88878 (20112620)	16812.42543 (20112620)	9975.11775 (20112620)	6727.43562 (20112620)	5014.73724 (20112620)
80.0	29939.85540 (20021820)	13746.13415 (20021820)	8406.87531 (20112619)	5769.18218 (20112619)	4279.26395 (20112619)
90.0	30453.39400 (20092420)	13534.61658 (20092420)	7928.56219 (20092420)	5280.04947 (20092420)	3856.12738 (20092420)
100.0	38927.26219 (20080407)	16023.54471 (20081020)	9435.71740 (20081020)	6316.52758 (20081020)	4541.66067 (20081020)
110.0	52588.65975 (20080407)	21520.73346 (20080407)	12289.18004 (20080407)	8025.20947 (20080407)	5888.99653 (20080407)
120.0	44755.97310 (20080407)	18568.77988 (20080407)	10543.99129 (20080407)	6915.36435 (20080407)	5055.21185 (20080407)
130.0	35681.48159 (20082320)	16664.97265 (20082320)	10018.67812 (20082320)	6781.66957 (20082320)	5034.51729 (20082320)
140.0	44206.70134 (20042107)	18163.33104 (20042107)	10563.64418 (20101207)	7084.93610 (20101207)	5137.26149 (20101207)
150.0	43090.73646 (20042107)	19179.16865 (20042107)	11283.44919 (20042107)	7683.78649 (20042107)	5639.77123 (20042107)
160.0	44419.68088 (20080406)	20086.07706 (20011606)	11846.59060 (20011606)	8161.47729 (20011606)	6126.08079 (20011606)
170.0	41258.86670 (20072521)	18833.27550 (20072521)	11202.93971 (20072521)	7491.72206 (20072521)	5705.33291 (20072521)
180.0	39659.57810 (20092606)	16553.79531 (20092606)	9922.56395 (20053021)	6847.56429 (20053021)	5100.02073 (20053021)
190.0	39373.06617 (20062106)	16283.23221 (20050406)	9479.55613 (20050406)	6450.64727 (20050406)	4807.64120 (20050406)
200.0	37632.34895 (20062106)	15695.35321 (20062106)	9020.23062 (20062106)	5993.22332 (20062106)	4472.69448 (20062106)
210.0	34818.69046 (20030106)	13829.29956 (20030106)	8104.38239 (20030106)	5518.29455 (20092707)	4026.20424 (20092707)
220.0	35427.14287 (20081607)	14450.76187 (20081607)	8488.87333 (20081607)	5796.01892 (20081607)	4261.03360 (20081607)
230.0	31148.13033 (20031106)	13272.51962 (20031106)	7735.42792 (20031106)	5305.80030 (20031106)	3900.55039 (20031106)
240.0	33047.13980 (20081807)	14194.42926 (20081807)	8364.01471 (20081807)	5692.41425 (20081807)	4227.82185 (20081807)
250.0	35513.74712 (20020306)	14623.06718 (20020306)	8629.30266 (20032306)	5871.83052 (20032306)	4430.73871 (20032306)
260.0	37850.44523 (20092607)	16255.39998 (20092607)	9575.61922 (20092607)	6634.90432 (20092607)	4906.46932 (20092607)
270.0	34210.26696 (20092607)	14538.76379 (20021707)	8787.60796 (20021707)	6069.96277 (20021707)	4508.03683 (20021707)

280.0 | 36271.61822 (20031306) 15937.24807 (20031306) 9529.57318 (20031306) 6455.00059 (20081406) 4827.50590 (20081406)
290.0 | 36602.07700 (20031306) 15955.62156 (20121308) 9613.10088 (20121308) 6563.81971 (20121308) 4907.05481 (20121308)
300.0 | 34497.34456 (20071506) 15390.84883 (20071506) 9189.14530 (20071506) 6261.20119 (20071506) 4627.58232 (20071506)
310.0 | 38283.68068 (20120921) 16855.72105 (20120921) 10009.27550 (20120921) 6852.77070 (20120921) 5027.62158 (20120921)
320.0 | 36801.19435 (20120921) 15392.35612 (20081621) 8884.82686 (20081621) 5949.04824 (20081621) 4250.48737 (20081621)
330.0 | 33515.12834 (20011221) 15046.97344 (20011221) 9049.19732 (20011221) 6220.97886 (20011221) 4611.46283 (20011221)
340.0 | 27937.37641 (20011221) 11995.41979 (20120420) 7344.35775 (20120420) 5085.62071 (20120420) 3762.94856 (20120420)
350.0 | 30732.40082 (20041907) 13899.10021 (20041907) 8401.46369 (20041907) 5783.08199 (20041907) 4272.60242 (20041907)
360.0 | 34029.08935 (20011220) 15640.83979 (20011220) 9611.71325 (20011220) 6643.05068 (20011220) 4921.85748 (20011220)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	3755.78182 (20040806)	2980.55183 (20012421)	2461.31911 (20012421)	2120.64674 (20012421)	1864.91447 (20012421)
20.0	5010.61903 (20121320)	3988.35001 (20121320)	3270.43921 (20121320)	2823.84029 (20121320)	2505.60200 (20121320)
30.0	4519.74304 (20011219)	3656.46387 (20011219)	3037.65926 (20011219)	2546.40876 (20011219)	2205.09244 (20011219)
40.0	4460.22923 (20120418)	3540.15443 (20120418)	2927.45441 (20120418)	2462.90925 (20120418)	2147.46156 (20120418)
50.0	4125.10131 (20121218)	3221.54927 (20121218)	2621.28722 (20121218)	2141.97842 (20121218)	1854.33437 (20121218)
60.0	4168.80425 (20120506)	3309.08646 (20120506)	2599.32437 (20120506)	2211.29810 (20120506)	2149.81103 (20120506)
70.0	3925.89208 (20112620)	2919.22699 (20112620)	2379.85463 (20112620)	2242.23824 (20112620)	1914.72362 (20112620)
80.0	3242.14761 (20112619)	2540.51147 (20112619)	2116.37688 (20112619)	1939.57198 (20112619)	1694.82883 (20112619)
90.0	2983.91092 (20121419)	2314.65951 (20121419)	2041.31389 (20121419)	1759.47317 (20121419)	1547.20821 (20121419)
100.0	3540.91495 (20081020)	2715.24513 (20081020)	2381.50351 (20081020)	2020.35900 (20081020)	1760.60135 (20081020)
110.0	4518.63677 (20080407)	3468.94013 (20080407)	3098.72222 (20080407)	2663.67995 (20080407)	2255.00014 (20080407)
120.0	3831.03743 (20080407)	3002.82881 (20080407)	2519.21809 (20080407)	2161.73740 (20080407)	1829.89368 (20080407)
130.0	3914.27551 (20082320)	2992.78337 (20082320)	2587.33104 (20082320)	2432.30449 (20082320)	2122.71006 (20082320)

140.0 | 3953.94847 (20101207) 2957.12717 (20101207) 2366.10997 (20101207) 1973.32160 (20101207) 1893.10761 (20101207)
150.0 | 4315.63093 (20042107) 3430.44474 (20042107) 2803.58580 (20042107) 2232.13316 (20042107) 1931.82744 (20042107)
160.0 | 4790.10571 (20011606) 3901.67104 (20011606) 3145.16194 (20011606) 2476.78619 (20011606) 2213.52286 (20011606)
170.0 | 4449.43604 (20072521) 3583.68972 (20072521) 2957.85634 (20072521) 2760.34087 (20072521) 2055.34586 (20072521)
180.0 | 4014.32819 (20053021) 3259.31406 (20053021) 2695.62687 (20053021) 2298.96616 (20053021) 1935.73363 (20053021)
190.0 | 3771.40097 (20050406) 3038.22274 (20050406) 2499.40655 (20050406) 2135.66677 (20050406) 1823.61282 (20050406)
200.0 | 3438.69321 (20062106) 2783.93142 (20062106) 2284.42576 (20062106) 1912.71647 (20062106) 1626.79312 (20062106)
210.0 | 3119.50457 (20092707) 2690.12777 (20030106) 2070.82141 (20030106) 1760.16216 (20092707) 1465.27320 (20092707)
220.0 | 3278.67709 (20081607) 3114.99420 (20120920) 2477.27965 (20120920) 1889.50794 (20081607) 1617.95263 (20081607)
230.0 | 3111.44166 (20031106) 2444.38069 (20031106) 2007.76547 (20031106) 1692.86340 (20031106) 1462.74016 (20031106)
240.0 | 3348.31493 (20081807) 2653.78950 (20081807) 2193.39573 (20081807) 1850.57164 (20081807) 1587.50034 (20081807)
250.0 | 3416.52674 (20032306) 2781.47177 (20032306) 2318.22434 (20032306) 1986.99814 (20032306) 1663.28852 (20032306)
260.0 | 3858.38619 (20092607) 3135.04545 (20092607) 2611.60866 (20092607) 2242.66194 (20092607) 1930.54227 (20092607)
270.0 | 3589.47090 (20021707) 2890.71607 (20021707) 2426.22663 (20021707) 2041.53851 (20021707) 1721.15337 (20021707)
280.0 | 3770.14671 (20081406) 3065.33887 (20081406) 2525.02294 (20081406) 2109.62511 (20081406) 1828.43802 (20081406)
290.0 | 3795.54632 (20121308) 3070.63887 (20121308) 2545.67888 (20121308) 2159.56548 (20121308) 1871.85026 (20121308)
300.0 | 3608.21364 (20071506) 2898.18711 (20071506) 2407.28609 (20071506) 2072.27842 (20071506) 1812.70383 (20071506)
310.0 | 3895.73618 (20120921) 3184.70896 (20120921) 2670.09800 (20120921) 2306.48264 (20120921) 1962.55166 (20120921)
320.0 | 3313.16600 (20081621) 2628.07418 (20081621) 2157.87627 (20081621) 1855.07735 (20081621) 1569.89813 (20081621)
330.0 | 3603.56873 (20011221) 2924.12045 (20011221) 2490.87991 (20011221) 2140.38350 (20011221) 1855.58322 (20011221)
340.0 | 2958.11993 (20120420) 2392.37010 (20120420) 2055.86604 (20120420) 1759.99563 (20120420) 1517.86593 (20120420)
350.0 | 3328.03027 (20041907) 2707.64154 (20041907) 2290.12027 (20041907) 1982.95789 (20041907) 1724.71971 (20041907)
360.0 | 3798.46187 (20011220) 3062.91152 (20011220) 2599.23049 (20011220) 2182.96743 (20011220) 1859.93186 (20011220)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00

- -

10.0 | 1646.16414 (20012421) 1468.22314 (20012421) 1305.74054 (20012421) 1170.56904 (20012421) 1059.17447 (20041906)
20.0 | 2250.61068 (20121320) 2007.40935 (20121320) 1785.45723 (20121320) 1608.62498 (20121320) 1456.15384 (20121320)
30.0 | 1922.96228 (20011219) 1692.30686 (20011219) 1530.77014 (20011219) 1388.38785 (20011219) 1243.30323 (20011219)
40.0 | 1726.03838 (20120418) 1532.12843 (20120418) 1373.04607 (20120418) 1240.52792 (20120418) 1128.68430 (20120418)
50.0 | 1766.36704 (20121218) 1574.50471 (20121218) 1407.54433 (20121218) 1291.95485 (20121218) 1188.94742 (20121218)
60.0 | 1920.84243 (20120506) 1658.54203 (20120506) 1530.75012 (20120506) 1401.70939 (20120506) 1299.44289 (20120506)
70.0 | 1652.44690 (20021019) 1460.19691 (20021019) 1303.68954 (20021019) 1177.01379 (20021019) 1069.85872 (20021019)
80.0 | 1517.03565 (20112619) 1352.02609 (20112619) 1207.23010 (20112619) 1076.74735 (20112619) 974.88983 (20112619)
90.0 | 1376.67737 (20121419) 1223.89848 (20121419) 1105.53594 (20121419) 1005.09526 (20121419) 911.06776 (20121419)
100.0 | 1525.29916 (20010720) 1355.15705 (20010720) 1267.79748 (20010720) 1150.92401 (20010720) 1057.15343 (20010720)
110.0 | 1901.79458 (20080407) 1670.57530 (20080407) 1525.27303 (20080407) 1378.52472 (20080407) 1262.64842 (20080407)
120.0 | 1591.92432 (20081421) 1344.29779 (20080407) 1230.03225 (20081421) 1125.99559 (20081421) 995.14347 (20081421)
130.0 | 1850.95689 (20082320) 1587.21514 (20082320) 1382.29239 (20082320) 1231.26323 (20082320) 1117.62741 (20082320)
140.0 | 1631.50018 (20101207) 1432.12831 (20012521) 1276.75389 (20012521) 1163.98086 (20012521) 1078.06567 (20012521)
150.0 | 1839.19224 (20042107) 1606.53649 (20042107) 1431.58918 (20042107) 1293.87392 (20042107) 1240.47032 (20042107)
160.0 | 1790.70040 (20011606) 1590.07884 (20011606) 1621.26080 (20011606) 1526.39448 (20011606) 1337.95473 (20011606)
170.0 | 1876.30764 (20072521) 1472.56561 (20072521) 1320.16696 (20072521) 1265.99714 (20072521) 1215.56725 (20072521)
180.0 | 1747.83139 (20053021) 1478.16900 (20053021) 1212.56013 (20053021) 1095.82633 (20053021) 1094.12047 (20053021)
190.0 | 1615.86282 (20050406) 1443.69266 (20050406) 1225.17273 (20050406) 1142.45827 (20050406) 875.04896 (20050406)
200.0 | 1428.64144 (20062106) 1250.02875 (20062106) 1090.81242 (20062106) 1013.26834 (20121021) 1035.70808 (20021706)
210.0 | 1282.39634 (20092707) 1122.34074 (20092707) 1013.86829 (20092707) 906.02062 (20092707) 901.80037 (20030106)
220.0 | 1381.44990 (20081607) 1192.91920 (20081607) 1056.58552 (20081607) 978.77663 (20081607) 893.13614 (20081607)
230.0 | 1282.73930 (20031106) 1124.86665 (20031106) 963.25996 (20031106) 872.20543 (20031106) 756.66869 (20031106)
240.0 | 1387.29385 (20081807) 1213.72105 (20081807) 1100.88736 (20081807) 987.97971 (20081807) 863.59628 (20081807)
250.0 | 1449.61087 (20032306) 1266.48166 (20032306) 1132.48215 (20032306) 1017.82980 (20032306) 912.85231 (20032306)
260.0 | 1687.78857 (20092607) 1491.65844 (20092607) 1326.89092 (20092607) 1182.82792 (20092607) 1064.34255 (20092607)
270.0 | 1519.94768 (20021707) 1340.46030 (20021707) 1208.44716 (20021707) 1098.21007 (20021707) 999.88343 (20021707)
280.0 | 1567.01842 (20081406) 1442.38766 (20081406) 1336.43615 (20081406) 1232.06556 (20081406) 1157.04046 (20081406)
290.0 | 1693.03791 (20121308) 1507.96145 (20121308) 1378.30115 (20121308) 1249.09228 (20121308) 1139.81062 (20121308)
300.0 | 1597.79114 (20071506) 1394.78716 (20071506) 1236.08439 (20071506) 1113.07913 (20071506) 1046.72423 (20071506)

310.0 | 1736.75122 (20120921) 1571.01297 (20120921) 1454.92568 (20120921) 1330.63183 (20120921) 1135.85954 (20120921)
320.0 | 1335.51815 (20081621) 1192.82309 (20081621) 1075.22303 (20081621) 944.56990 (20121006) 865.01057 (20121006)
330.0 | 1669.72016 (20011221) 1461.17763 (20011221) 1302.32458 (20011221) 1193.16836 (20011221) 1087.38198 (20011221)
340.0 | 1325.94641 (20120420) 1167.83024 (20120420) 1041.78162 (20120420) 949.01244 (20120420) 879.72172 (20120420)
350.0 | 1513.66467 (20041907) 1351.78433 (20041907) 1207.99761 (20041907) 1087.77685 (20041907) 987.47290 (20041907)
360.0 | 1606.00192 (20011220) 1426.71534 (20011220) 1294.82845 (20011220) 1173.59114 (20011220) 1051.03661 (20011220)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	972.61320 (20041906)	894.07100 (20041906)	826.21997 (20041906)	757.68223 (20041906)	693.46303 (20041906)
20.0	1313.87283 (20121320)	1167.13265 (20121320)	1079.49153 (20121320)	1015.09916 (20121320)	955.66729 (20121320)
30.0	1128.83314 (20011219)	1039.30186 (20011219)	957.07837 (20011219)	880.91980 (20011219)	821.34851 (20011219)
40.0	1033.21351 (20120418)	950.90653 (20120418)	879.32479 (20120418)	816.58481 (20120418)	761.21068 (20120418)
50.0	1072.17118 (20121218)	998.45770 (20121218)	913.77493 (20121218)	842.51900 (20121218)	794.94252 (20121218)
60.0	1192.70197 (20120506)	1113.94978 (20120506)	998.06128 (20120506)	921.19305 (20120506)	868.45421 (20120506)
70.0	1015.00409 (20021019)	905.93666 (20021019)	841.36909 (20021019)	777.31030 (20021019)	739.97116 (20021019)
80.0	890.09575 (20112619)	812.69662 (20112619)	732.65258 (20112619)	684.23085 (20112619)	633.50050 (20112619)
90.0	828.52126 (20121419)	764.34310 (20121419)	682.50832 (20121419)	649.63035 (20121419)	608.69362 (20121419)
100.0	973.36643 (20010720)	892.68052 (20010720)	828.89020 (20010720)	754.16935 (20010720)	711.31354 (20010720)
110.0	1124.14527 (20080407)	1021.46536 (20080407)	939.94454 (20080407)	862.27682 (20080407)	801.04586 (20080407)
120.0	920.26302 (20081421)	852.09996 (20081421)	795.71496 (20101120)	735.98308 (20101120)	686.54796 (20101120)
130.0	1036.55874 (20082320)	975.01793 (20082320)	914.51840 (20082320)	874.27664 (20082320)	801.27132 (20082320)
140.0	987.31458 (20012521)	927.64212 (20012521)	860.08628 (20012521)	809.53861 (20012521)	748.42302 (20012521)
150.0	1135.07100 (20101206)	1015.82514 (20042107)	929.73869 (20042107)	856.49035 (20101206)	810.73684 (20101206)
160.0	1134.63175 (20011606)	1111.28932 (20011606)	1037.55878 (20011606)	984.94958 (20011606)	911.32195 (20011606)

170.0	1079.57330 (20072521)	1009.83597 (20072521)	940.88822 (20072521)	875.29142 (20072521)	821.08409 (20072521)
180.0	1017.90624 (20053021)	922.43077 (20053021)	861.54244 (20053021)	802.80598 (20053021)	761.82293 (20053021)
190.0	801.18078 (20050406)	737.48329 (20050406)	682.07570 (20050406)	735.48192 (20050406)	693.21906 (20050406)
200.0	882.23356 (20121021)	669.62027 (20062106)	619.32173 (20062106)	622.39170 (20021706)	584.36250 (20021706)
210.0	677.36596 (20120607)	623.50035 (20120607)	576.64379 (20120607)	595.00431 (20120607)	550.65269 (20120607)
220.0	912.79012 (20081607)	653.98296 (20081607)	604.70956 (20081607)	561.53888 (20081607)	569.04655 (20081607)
230.0	700.07507 (20031106)	654.40564 (20031106)	596.61693 (20031106)	528.90594 (20031106)	506.36121 (20031106)
240.0	790.75844 (20081807)	717.80283 (20081807)	621.76939 (20081807)	555.26122 (20081807)	554.94716 (20081807)
250.0	833.42775 (20032306)	753.20941 (20032306)	705.40782 (20032306)	621.49004 (20032306)	551.27546 (20032306)
260.0	971.86836 (20092607)	868.02484 (20092607)	785.24669 (20092607)	707.92994 (20092607)	671.21342 (20092607)
270.0	918.19300 (20021707)	834.62775 (20021707)	759.83375 (20021707)	709.69057 (20021707)	665.34163 (20021707)
280.0	1038.45175 (20081406)	932.59634 (20081406)	858.92951 (20081406)	803.52257 (20081406)	760.84173 (20081406)
290.0	1052.48272 (20121308)	973.15423 (20121308)	904.00592 (20121308)	852.68234 (20121308)	792.49340 (20121308)
300.0	934.02334 (20071506)	856.33475 (20071506)	788.66256 (20071506)	734.39453 (20071506)	705.62334 (20071506)
310.0	1073.85351 (20120921)	978.22920 (20120921)	908.97253 (20120921)	816.53692 (20120921)	761.36321 (20120921)
320.0	777.53630 (20121006)	707.39065 (20121006)	675.19967 (20121006)	604.56049 (20121006)	561.99214 (20121006)
330.0	993.70030 (20011221)	921.04271 (20011221)	823.01279 (20011221)	736.69825 (20011221)	702.25364 (20011221)
340.0	789.89652 (20120420)	730.92118 (20120420)	645.09143 (20120420)	599.33350 (20120420)	565.58156 (20120420)
350.0	910.51838 (20041907)	833.53209 (20041907)	769.45733 (20041907)	711.84317 (20041907)	666.12726 (20041907)
360.0	940.46179 (20011220)	862.77667 (20020421)	800.12162 (20020421)	740.40169 (20020421)	688.42731 (20020421)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	8046.46827	(20080407)	TANK	498.87	129.50	5048.24768	(20082320)
TANK	81.43	359.00	39971.95932	(20011220)	TANK	116.79	44.50	37787.92601	(20121918)
TANK	109.20	67.00	36084.98168	(20112620)	TANK	100.70	93.73	31569.52773	(20092420)
TANK	87.91	103.99	54811.25106	(20080407)	TANK	99.82	123.38	38261.43732	(20080407)

TANK : 138.00 141.00 30726.12019 (20042107) TANK : 106.00 180.00 37065.95735 (20092606)
TANK : 115.60 206.00 27788.11139 (20030106) TANK : 54.00 270.00 70152.25347 (20092607)
TANK : 97.00 326.00 33177.40416 (20011221) TANK : 133.94 242.10 23675.26074 (20081807)
TANK : 101.99 301.65 34676.71438 (20071506) TANK : 236.54 274.95 12486.09099 (20122006)
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	35516.55677 (20011220)	15412.63628 (20011220)	9130.04947 (20011220)	6331.56988 (20012421)	4741.11284 (20012421)
20.0	37163.87984 (20081106)	17035.80811 (20081106)	10401.06093 (20081106)	7201.85817 (20081106)	5378.21832 (20081106)
30.0	38245.69513 (20121320)	14505.89955 (20121320)	8987.69528 (20052721)	6290.31935 (20052721)	4722.29575 (20052721)
40.0	37879.87843 (20120418)	17582.96250 (20120418)	10581.95492 (20121918)	7147.76293 (20121918)	5239.04909 (20121918)
50.0	35243.12631 (20121218)	16408.72789 (20121218)	10083.72718 (20121218)	6981.72679 (20121218)	5233.63928 (20121918)
60.0	37199.85971 (20112620)	16028.80983 (20112620)	9332.13761 (20112620)	6185.11553 (20112620)	4513.98853 (20112620)
70.0	31403.18189 (20021019)	14704.03061 (20021019)	9002.47197 (20021019)	6203.06312 (20021019)	4676.55330 (20021019)
80.0	28839.43182 (20112619)	13656.48060 (20112619)	8372.57149 (20021820)	5708.10757 (20021820)	4185.52039 (20021820)
90.0	26339.87749 (20092419)	12115.51225 (20092419)	7374.14131 (20121419)	5125.67744 (20121419)	3820.37381 (20121419)
100.0	36040.26631 (20081020)	14926.74913 (20091807)	8616.04210 (20010720)	5902.32244 (20010720)	4287.32156 (20010720)
110.0	35700.52740 (20121220)	15350.79562 (20121220)	8842.75561 (20121220)	5860.75829 (20091807)	4317.06677 (20091807)
120.0	34014.14966 (20081521)	15136.88725 (20121220)	8932.74795 (20121220)	5960.88967 (20121220)	4393.54205 (20121220)
130.0	31299.24459 (20081521)	14720.45708 (20081521)	8877.03980 (20081521)	6011.25394 (20081521)	4446.16795 (20081521)
140.0	40400.74081 (20101207)	18001.02460 (20101207)	10172.05765 (20042107)	6617.28302 (20042107)	4742.37871 (20012521)
150.0	39506.30738 (20072620)	16834.05042 (20101206)	10148.58372 (20101206)	6993.43962 (20101206)	5176.15923 (20101206)
160.0	44000.38506 (20011606)	19508.22233 (20080406)	11307.34224 (20080406)	7668.32720 (20080406)	5693.03437 (20091519)
170.0	37347.12914 (20080406)	16702.90276 (20080406)	9962.10418 (20020820)	6761.67434 (20020820)	5156.41308 (20020820)
180.0	36904.00012 (20050406)	16499.82132 (20053021)	9776.48201 (20092421)	6680.03420 (20092421)	4927.40101 (20092421)
190.0	38503.87197 (20050406)	16200.98547 (20062106)	9294.15893 (20062106)	6208.75070 (20062106)	4556.42279 (20062106)
200.0	30516.65770 (20072520)	13560.72593 (20121021)	8068.45649 (20121021)	5468.21906 (20121021)	4119.34472 (20121021)

210.0 | 32679.06067 (20081607) 13663.37145 (20092707) 8102.75880 (20092707) 5440.42068 (20030106) 3941.93743 (20092406)
220.0 | 34477.21813 (20120920) 13964.17698 (20120920) 8234.81444 (20120920) 5639.48877 (20120920) 4134.80175 (20120920)
230.0 | 30749.66829 (20081607) 12145.50999 (20081720) 7117.04439 (20081720) 4885.12662 (20081720) 3594.48123 (20081720)
240.0 | 32649.77115 (20030107) 13792.23955 (20030107) 8101.61340 (20030107) 5504.44978 (20030107) 4097.99850 (20030107)
250.0 | 33220.17941 (20032306) 14564.12286 (20032306) 8406.49083 (20020306) 5582.67527 (20020306) 4191.22121 (20020306)
260.0 | 37828.99767 (20020306) 15807.13298 (20020306) 9295.13090 (20080807) 6427.25639 (20080807) 4760.10685 (20080807)
270.0 | 32824.67439 (20080807) 13629.90509 (20062206) 8096.45288 (20062206) 5526.08501 (20062206) 4067.08226 (20062206)
280.0 | 35586.62160 (20122006) 15760.45065 (20081406) 9507.79603 (20081406) 6431.88183 (20031306) 4778.00191 (20031306)
290.0 | 36399.92989 (20020307) 15918.42222 (20020307) 9450.35731 (20020307) 6384.43211 (20020307) 4752.13545 (20020307)
300.0 | 33688.58135 (20121308) 14825.65397 (20081721) 8850.41119 (20081721) 6013.10892 (20081721) 4438.44461 (20081721)
310.0 | 35072.12498 (20071506) 15085.80236 (20081621) 8956.29170 (20081621) 6077.63095 (20081621) 4441.38716 (20081621)
320.0 | 36524.11480 (20081621) 14554.39326 (20120921) 8071.66795 (20120921) 5257.35544 (20120921) 3766.39743 (20031307)
330.0 | 29871.69923 (20041807) 13314.64701 (20041807) 7941.84201 (20041807) 5424.37342 (20041807) 3999.42476 (20041807)
340.0 | 25675.78564 (20120420) 11246.80942 (20083020) 6945.30693 (20083020) 4836.50798 (20083020) 3595.01763 (20083020)
350.0 | 26127.61580 (20041806) 12065.09315 (20041806) 7410.47772 (20041806) 5155.29212 (20041806) 3840.81923 (20041806)
360.0 | 33312.46079 (20040806) 15157.39194 (20040806) 9218.74968 (20040806) 6307.79736 (20040806) 4625.95632 (20040806)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	3711.91042 (20012421)	2965.72988 (20040806)	2402.24245 (20040806)	2092.82713 (20040806)	1803.83163 (20041906)
20.0	4227.75919 (20081106)	3388.62978 (20081106)	2789.81875 (20081106)	2400.09247 (20081106)	2108.27183 (20081106)
30.0	3709.77036 (20052721)	2997.10864 (20052721)	2479.07209 (20052721)	2079.89276 (20052721)	1795.13903 (20052721)
40.0	3990.33714 (20121918)	3133.91219 (20121918)	2550.23384 (20121918)	2132.67757 (20121918)	1859.98179 (20121918)
50.0	3984.20363 (20121918)	3122.61622 (20121918)	2521.81628 (20121918)	2067.42949 (20121918)	1755.14919 (20121918)
60.0	3410.88912 (20112620)	2685.84569 (20112620)	2137.50339 (20112620)	1783.42560 (20112620)	1576.42967 (20070420)

70.0 | 3739.24742 (20021019) 2754.26453 (20021019) 2251.04687 (20021019) 2210.25530 (20021019) 1875.49982 (20021019)
80.0 | 3161.41447 (20021820) 2468.73238 (20021820) 2022.32269 (20021820) 1864.85542 (20021820) 1609.44350 (20021820)
90.0 | 2916.76041 (20092420) 2261.07308 (20092420) 1944.84580 (20092420) 1638.43254 (20121418) 1436.61039 (20121418)
100.0 | 3385.59342 (20010720) 2602.12821 (20010720) 2340.28746 (20010720) 1987.74069 (20010720) 1745.74076 (20010720)
110.0 | 3371.74689 (20091807) 2575.72468 (20091807) 2288.11928 (20091807) 2021.49757 (20091807) 1739.56826 (20091807)
120.0 | 3372.45888 (20121220) 2622.31316 (20081421) 2303.01366 (20121220) 2089.54204 (20121220) 1786.09451 (20081421)
130.0 | 3440.32003 (20081521) 2661.97230 (20081521) 2245.56732 (20081521) 2044.17030 (20081521) 1749.43987 (20081521)
140.0 | 3734.06331 (20012521) 2769.33147 (20012521) 2227.27643 (20012521) 1895.99528 (20012521) 1830.57760 (20012521)
150.0 | 3972.25310 (20101206) 3162.06399 (20101206) 2586.74310 (20101206) 2034.23099 (20101206) 1761.48882 (20101206)
160.0 | 4460.82921 (20091519) 3636.48749 (20091519) 2940.88832 (20091519) 2323.37266 (20091519) 2074.54736 (20091519)
170.0 | 4048.19561 (20020820) 3282.34542 (20020820) 2726.69105 (20020820) 2496.60025 (20020820) 1911.29842 (20020820)
180.0 | 3831.60608 (20040506) 3118.05012 (20040506) 2586.52267 (20040506) 2207.91307 (20040506) 1867.10457 (20040506)
190.0 | 3575.99916 (20062106) 2842.40535 (20031006) 2341.62239 (20031006) 1999.87031 (20031006) 1704.27168 (20031006)
200.0 | 3229.56287 (20121021) 2633.42998 (20121021) 2164.97831 (20121021) 1814.83715 (20121021) 1546.34963 (20021706)
210.0 | 3084.19497 (20030106) 2622.07746 (20092707) 2070.00587 (20092707) 1757.71602 (20030106) 1457.97933 (20120607)
220.0 | 3159.26750 (20120920) 3048.23358 (20081607) 2470.76161 (20081607) 1817.66089 (20120920) 1547.04318 (20120920)
230.0 | 2865.83233 (20081720) 2255.01479 (20081720) 1853.95801 (20081720) 1564.86397 (20081720) 1354.80288 (20081720)
240.0 | 3279.39167 (20030107) 2577.24779 (20030107) 2130.64663 (20030107) 1798.41888 (20030107) 1543.12329 (20030107)
250.0 | 3211.70687 (20020306) 2625.62666 (20121107) 2188.41136 (20121107) 1873.97395 (20121107) 1572.43476 (20121107)
260.0 | 3741.43194 (20080807) 3040.79427 (20080807) 2534.64637 (20080807) 2174.05313 (20080807) 1874.07812 (20080807)
270.0 | 3238.98929 (20062206) 2582.32870 (20062206) 2162.17432 (20121920) 1821.65914 (20121920) 1538.41804 (20121920)
280.0 | 3726.11924 (20031306) 3028.23937 (20031306) 2492.97300 (20031306) 2081.78945 (20031306) 1804.10579 (20031306)
290.0 | 3672.20378 (20020307) 2958.00621 (20020307) 2435.44872 (20020307) 2050.19774 (20020307) 1764.32963 (20020307)
300.0 | 3466.52503 (20081721) 2784.70615 (20081721) 2303.78386 (20081721) 1960.97222 (20081721) 1708.13535 (20081721)
310.0 | 3433.50598 (20081621) 2807.11328 (20081621) 2351.98715 (20081621) 2004.74306 (20081621) 1704.52026 (20081621)
320.0 | 2960.18317 (20031307) 2404.41054 (20031307) 1980.09013 (20031307) 1686.60900 (20031307) 1441.84310 (20031307)
330.0 | 3129.75567 (20041807) 2529.36300 (20041807) 2094.34490 (20041807) 1796.90686 (20041807) 1563.02570 (20041807)
340.0 | 2829.58091 (20083020) 2290.38426 (20083020) 1963.38605 (20083020) 1699.29187 (20083020) 1478.29422 (20083020)
350.0 | 3002.91763 (20041806) 2442.30961 (20041806) 2055.70296 (20041806) 1769.10767 (20041806) 1531.97871 (20041806)
360.0 | 3571.47505 (20040806) 2901.43279 (20040806) 2365.83368 (20040806) 2004.88323 (20040806) 1741.95377 (20040806)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1591.64567 (20041906)	1422.74830 (20041906)	1274.81048 (20041906)	1159.14138 (20041906)	1055.04575 (20012421)
20.0	1872.87240 (20081106)	1663.01006 (20081106)	1479.74869 (20081106)	1333.77950 (20081106)	1208.62300 (20081106)
30.0	1571.64299 (20052721)	1389.74148 (20052721)	1262.34884 (20052721)	1145.80379 (20052721)	1028.49210 (20052721)
40.0	1492.83994 (20121918)	1310.67853 (20121918)	1174.35177 (20121918)	1060.83472 (20121918)	965.05921 (20121918)
50.0	1626.00732 (20121918)	1394.38783 (20121918)	1241.04458 (20121918)	1149.65371 (20121918)	1028.48948 (20121918)
60.0	1374.89285 (20070420)	1201.52574 (20070420)	1084.40910 (20070420)	989.26878 (20070420)	911.86490 (20070420)
70.0	1650.77862 (20112620)	1437.22270 (20112620)	1262.60450 (20112620)	1131.65047 (20112620)	1028.07441 (20112620)
80.0	1440.94284 (20021820)	1276.22436 (20021820)	1128.35019 (20021820)	1006.92024 (20021820)	904.61129 (20082920)
90.0	1268.56610 (20121418)	1125.92460 (20121418)	1011.24441 (20121418)	914.37348 (20121418)	828.50643 (20121418)
100.0	1516.21080 (20081020)	1321.74752 (20081020)	1236.65656 (20081020)	1122.96931 (20081020)	1008.77940 (20081020)
110.0	1442.70229 (20091807)	1289.92356 (20091807)	1174.51565 (20091807)	1042.92802 (20091807)	940.44910 (20042606)
120.0	1572.81959 (20101120)	1321.81104 (20081421)	1220.53697 (20101120)	1115.47729 (20101120)	988.91797 (20101120)
130.0	1511.36930 (20092521)	1326.92123 (20081521)	1167.34844 (20081521)	1039.96757 (20081521)	935.28546 (20081521)
140.0	1607.80718 (20012521)	1424.23913 (20101207)	1264.73893 (20101207)	1153.91370 (20101207)	1070.63821 (20101207)
150.0	1755.69068 (20101206)	1533.37765 (20101206)	1366.38388 (20101206)	1235.07163 (20101206)	1200.49667 (20101206)
160.0	1681.37258 (20091519)	1493.02495 (20091519)	1517.16387 (20091519)	1424.96198 (20091519)	1252.02801 (20091519)
170.0	1734.88091 (20020820)	1379.25161 (20020820)	1235.36492 (20020820)	1177.07870 (20020820)	1124.38341 (20020820)
180.0	1681.15048 (20040506)	1429.86069 (20040506)	1181.23984 (20040506)	1067.65184 (20040506)	1058.68318 (20040506)
190.0	1480.02629 (20031006)	1302.55656 (20062106)	1129.67148 (20031006)	1021.95074 (20031006)	829.11473 (20031006)
200.0	1357.21115 (20021706)	1191.06346 (20021706)	1087.29952 (20021706)	1013.14121 (20062106)	1032.07889 (20121021)
210.0	1276.22372 (20120607)	1117.66520 (20120607)	1009.29955 (20120607)	902.37147 (20120607)	881.36458 (20120607)
220.0	1307.45058 (20120920)	1120.92486 (20120920)	989.59409 (20120920)	916.81161 (20120920)	833.23611 (20120920)
230.0	1192.38843 (20081720)	1048.79456 (20081720)	894.70117 (20081720)	814.57618 (20081720)	702.32373 (20081720)

240.0 | 1350.09931 (20030107) 1175.89415 (20030107) 1070.11113 (20030107) 957.39170 (20030107) 826.55373 (20030107)
250.0 | 1370.31022 (20121107) 1197.82607 (20121107) 1070.42609 (20121107) 961.64772 (20121107) 862.69557 (20121107)
260.0 | 1639.97786 (20080807) 1450.77112 (20080807) 1292.32385 (20080807) 1154.73111 (20080807) 1041.08790 (20080807)
270.0 | 1358.34669 (20121920) 1198.44652 (20121920) 1080.21194 (20121920) 977.43205 (20051021) 884.58893 (20051021)
280.0 | 1545.61133 (20031306) 1414.21304 (20031306) 1289.29452 (20080806) 1186.30369 (20080806) 1112.55027 (20080806)
290.0 | 1595.93693 (20020307) 1421.50398 (20020307) 1299.79705 (20020307) 1174.97817 (20020307) 1071.76085 (20032307)
300.0 | 1539.50976 (20081721) 1345.22305 (20081721) 1201.84443 (20081721) 1089.20991 (20081721) 1015.47478 (20081721)
310.0 | 1474.19623 (20081621) 1319.76760 (20081621) 1221.44322 (20081621) 1115.96536 (20081621) 954.77432 (20081621)
320.0 | 1263.70457 (20031307) 1152.43319 (20031307) 1037.40611 (20121006) 921.49565 (20081621) 836.78120 (20081621)
330.0 | 1387.32092 (20041807) 1216.01129 (20112807) 1087.76483 (20112807) 993.41297 (20112807) 906.05417 (20112807)
340.0 | 1308.36079 (20083020) 1158.69604 (20083020) 1037.57774 (20083020) 944.73220 (20083020) 874.16866 (20083020)
350.0 | 1343.73561 (20041806) 1201.51775 (20041806) 1075.20088 (20041806) 970.54780 (20041806) 884.29736 (20041806)
360.0 | 1508.70389 (20020421) 1347.38086 (20020421) 1218.55881 (20020421) 1104.87823 (20020421) 1015.24360 (20020421)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	958.04922 (20012421)	879.28741 (20012421)	811.84675 (20012421)	742.05512 (20012421)	676.82524 (20012421)
20.0	1092.49508 (20081106)	973.73268 (20081106)	900.72870 (20081106)	846.25161 (20081106)	796.17323 (20081106)
30.0	934.90520 (20052721)	859.18468 (20052721)	788.21245 (20052721)	723.85013 (20052721)	666.30947 (20052721)
40.0	882.44332 (20121918)	797.99714 (20121918)	725.53913 (20112618)	673.77339 (20112618)	628.08327 (20112618)
50.0	930.39091 (20121918)	821.11279 (20121918)	748.93563 (20121918)	689.30479 (20121918)	651.63385 (20121918)
60.0	836.89741 (20070420)	777.97963 (20070420)	705.05697 (20070420)	652.17075 (20070420)	611.34484 (20070420)
70.0	980.08438 (20112620)	870.81939 (20112620)	809.13797 (20112620)	746.30235 (20112620)	676.41654 (20081606)
80.0	826.83568 (20082920)	757.34442 (20082920)	684.48557 (20082920)	655.09306 (20082920)	616.34584 (20082920)
90.0	753.61935 (20121418)	693.95253 (20102818)	625.49332 (20121418)	591.43163 (20102818)	553.66879 (20102818)

100.0	901.12115 (20081020)	818.21926 (20081020)	760.00276 (20081020)	689.19774 (20081020)	650.98036 (20081020)
110.0	877.47614 (20042606)	802.34040 (20042606)	739.36644 (20042606)	679.58789 (20042606)	631.77046 (20042606)
120.0	913.75697 (20101120)	847.30194 (20101120)	793.84818 (20081421)	730.97958 (20081421)	677.95759 (20081421)
130.0	861.54156 (20092521)	807.07958 (20092521)	755.02272 (20092521)	717.78070 (20092521)	660.19734 (20092521)
140.0	976.81214 (20101207)	901.39801 (20112819)	835.69641 (20112819)	785.92352 (20112819)	726.99454 (20112819)
150.0	1134.87211 (20042107)	977.85391 (20101206)	915.55233 (20101206)	855.88936 (20042107)	808.41699 (20042107)
160.0	1064.48244 (20091519)	1040.59053 (20091519)	971.24250 (20091519)	920.37536 (20091519)	851.97316 (20091519)
170.0	1001.68574 (20020820)	937.01686 (20020820)	879.71816 (20020820)	823.98719 (20020820)	777.77082 (20020820)
180.0	983.67851 (20040506)	892.78515 (20040506)	833.23740 (20040506)	776.29153 (20040506)	735.55471 (20040506)
190.0	759.13073 (20031006)	698.78042 (20031006)	646.28218 (20031006)	658.86290 (20031006)	620.66614 (20031006)
200.0	880.64229 (20021706)	650.29795 (20021706)	600.91407 (20021706)	621.41494 (20121021)	583.53785 (20121021)
210.0	676.84597 (20092707)	623.03676 (20092707)	576.22792 (20092707)	571.90735 (20030106)	543.37641 (20030106)
220.0	890.27361 (20120920)	605.11826 (20120920)	559.89644 (20120920)	520.37235 (20120920)	521.74244 (20120920)
230.0	654.76941 (20081720)	615.63279 (20081720)	561.57287 (20081720)	496.01517 (20081720)	476.75328 (20081720)
240.0	756.20777 (20030107)	683.77050 (20030107)	584.80907 (20030107)	519.12459 (20030107)	523.61253 (20030107)
250.0	787.22093 (20121107)	711.93780 (20121107)	666.07848 (20121107)	588.24119 (20121107)	522.91167 (20121107)
260.0	951.12172 (20080807)	853.86931 (20080807)	775.42591 (20080807)	702.79290 (20080807)	664.35775 (20080807)
270.0	803.36101 (20051021)	729.63233 (20051021)	665.40968 (20051021)	612.63414 (20051021)	569.74255 (20121920)
280.0	999.18113 (20080806)	897.93588 (20080806)	827.12108 (20080806)	773.66925 (20080806)	732.34076 (20080806)
290.0	989.32292 (20032307)	914.67999 (20032307)	849.60991 (20032307)	800.74166 (20032307)	744.49163 (20032307)
300.0	910.53955 (20081721)	828.28349 (20081721)	755.19924 (20081721)	692.72365 (20081721)	661.03937 (20081721)
310.0	902.23631 (20081621)	822.06220 (20081621)	755.93548 (20081621)	686.51253 (20081621)	638.67130 (20081621)
320.0	747.33389 (20031307)	678.64454 (20031307)	650.64152 (20031307)	579.50498 (20031307)	538.48719 (20031307)
330.0	829.32868 (20112807)	768.02964 (20112807)	692.76283 (20112807)	625.15539 (20112807)	593.42278 (20112807)
340.0	786.74955 (20083020)	727.75707 (20083020)	644.64658 (20083020)	598.91197 (20083020)	564.78387 (20083020)
350.0	823.54976 (20041806)	756.06944 (20041806)	701.83306 (20041806)	651.56688 (20041806)	610.33384 (20041806)
360.0	933.85067 (20020421)	861.73258 (20011220)	799.01787 (20011220)	736.44125 (20011220)	682.92087 (20011220)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	6761.05864	(20121220)	TANK	498.87	129.50	4517.65221	(20081521)
TANK	81.43	359.00	39222.04477	(20040806)	TANK	116.79	44.50	31076.03438	(20120418)
TANK	109.20	67.00	30980.01554	(20120506)	TANK	100.70	93.73	30533.38386	(20081020)
TANK	87.91	103.99	40677.39336	(20081020)	TANK	99.82	123.38	35084.43385	(20081521)
TANK	138.00	141.00	28660.74037	(20101207)	TANK	106.00	180.00	34376.86839	(20031006)
TANK	115.60	206.00	27436.58377	(20092707)	TANK	54.00	270.00	66961.34885	(20020306)
TANK	97.00	326.00	33114.50958	(20081621)	TANK	133.94	242.10	22868.11504	(20030107)
TANK	101.99	301.65	32271.75882	(20081721)	TANK	236.54	274.95	11578.18465	(20021707)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	33172.04651 (20121320)	14487.99909 (20012421)	9033.10822 (20012421)	6161.68194 (20011220)	4483.69415 (20011220)
20.0	33369.14338 (20121319)	15607.49065 (20121319)	9651.54952 (20121319)	6731.27291 (20121319)	5052.47245 (20121319)
30.0	33448.30415 (20081106)	14491.38658 (20052721)	7938.33440 (20081106)	5386.44704 (20042521)	4096.46518 (20042521)
40.0	33706.66716 (20011219)	14494.20022 (20112618)	8936.87917 (20112618)	6240.38202 (20112618)	4693.62622 (20112618)
50.0	31558.74300 (20120506)	12515.57478 (20120506)	7839.75333 (20082821)	5532.67370 (20082821)	4151.06610 (20082821)
60.0	26411.94715 (20012917)	12495.84397 (20070420)	7783.79106 (20070420)	5410.00422 (20070420)	4038.65686 (20070420)
70.0	29416.96398 (20081606)	13846.47138 (20081606)	8482.44017 (20081606)	5837.71858 (20081606)	4384.12230 (20081606)
80.0	24988.32823 (20011218)	11844.06188 (20021821)	7437.17657 (20021821)	5151.66646 (20021821)	3838.83866 (20021821)
90.0	25685.69827 (20021820)	12072.95333 (20021820)	7298.17661 (20092419)	4936.73410 (20092419)	3648.14473 (20092419)
100.0	34263.91801 (20091807)	14159.48327 (20010720)	8614.75113 (20091807)	5698.08339 (20091807)	4083.81718 (20091807)
110.0	32150.75506 (20091807)	14771.66166 (20091807)	8793.45992 (20091807)	5780.88021 (20121220)	4185.11772 (20121220)
120.0	33075.65031 (20121220)	15096.91978 (20081521)	8761.92274 (20081521)	5858.42780 (20081421)	4359.86351 (20081421)
130.0	30923.18142 (20062406)	13596.29645 (20062406)	8090.93297 (20042121)	5566.29346 (20092521)	4152.79993 (20092521)

140.0 | 33045.33731 (20091521) 15515.72209 (20012521) 9435.83423 (20012521) 6458.53420 (20012521) 4674.07681 (20091521)
150.0 | 37928.80845 (20011606) 15863.99529 (20120820) 9649.97361 (20120820) 6654.41893 (20120820) 4929.00912 (20120820)
160.0 | 42216.48755 (20072620) 18607.21777 (20072620) 10964.06825 (20091519) 7577.06467 (20091519) 5632.18789 (20080406)
170.0 | 36858.54989 (20092421) 16439.41576 (20092706) 9927.53228 (20092706) 6712.41525 (20092706) 5097.31146 (20120919)
180.0 | 36721.62332 (20031006) 16432.75147 (20092421) 9509.44625 (20092606) 6493.48290 (20040506) 4858.11493 (20040506)
190.0 | 36015.69639 (20092606) 15475.12512 (20031006) 9031.23072 (20031006) 6114.80442 (20031006) 4507.45993 (20031006)
200.0 | 30478.18585 (20092707) 13297.19643 (20092707) 7934.74024 (20032106) 5382.88932 (20032106) 4054.14619 (20021706)
210.0 | 32468.78114 (20120920) 13359.09850 (20092406) 7914.28175 (20092406) 5391.78476 (20092406) 3926.48936 (20120607)
220.0 | 32923.10416 (20030106) 12938.01618 (20030106) 7463.38784 (20030106) 4948.65959 (20030106) 3618.89491 (20030106)
230.0 | 29102.62734 (20030107) 11889.74475 (20081607) 6657.59571 (20092407) 4569.95794 (20092407) 3365.30356 (20092407)
240.0 | 28228.23142 (20112707) 12681.86278 (20112707) 7569.73876 (20112707) 5179.12063 (20112707) 3854.90470 (20112707)
250.0 | 32166.62499 (20020406) 13677.67985 (20020406) 7954.35458 (20121107) 5443.36610 (20121107) 4137.21347 (20121107)
260.0 | 36403.92265 (20080807) 15725.17618 (20080807) 9167.61721 (20020306) 6266.50965 (20020306) 4586.31538 (20020306)
270.0 | 32158.43830 (20021707) 13334.89180 (20092607) 7920.78367 (20051021) 5454.93622 (20051021) 4038.25256 (20051021)
280.0 | 35486.41643 (20081406) 15649.45975 (20122006) 9346.61330 (20122006) 6300.97375 (20122006) 4698.53433 (20122006)
290.0 | 36187.20011 (20122007) 15519.58577 (20122007) 9127.00510 (20122007) 6133.34486 (20032307) 4593.63044 (20032307)
300.0 | 33279.99441 (20081721) 13911.52637 (20061806) 8340.88642 (20061806) 5691.03816 (20050506) 4227.11080 (20050506)
310.0 | 34081.65098 (20081621) 14727.93587 (20071506) 8467.76158 (20071506) 5643.39360 (20071506) 4130.50225 (20073006)
320.0 | 27254.88948 (20031307) 12322.75695 (20031307) 7445.27987 (20031307) 5109.19766 (20031307) 3643.05434 (20120921)
330.0 | 26978.70031 (20081621) 11755.53611 (20072806) 7174.32913 (20112807) 5020.31506 (20112807) 3763.35251 (20112807)
340.0 | 24017.93729 (20083020) 10749.64625 (20090106) 6625.34909 (20090106) 4612.21122 (20090106) 3438.96568 (20090106)
350.0 | 25939.40439 (20120420) 11393.28094 (20020520) 7004.26685 (20020520) 4870.72427 (20020520) 3620.79710 (20020520)
360.0 | 29866.42959 (20041907) 12892.57886 (20120421) 8079.37443 (20120421) 5648.94669 (20120421) 4229.47562 (20120421)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00

- -

10.0 | 3511.61005 (20041906) 2842.63847 (20041906) 2367.30472 (20041906) 2059.50798 (20041906)
1755.85560 (20040806)
20.0 | 3981.13879 (20121319) 3207.30201 (20121319) 2648.82598 (20121319) 2274.67430 (20121319)
1994.00214 (20121319)
30.0 | 3278.87228 (20042521) 2692.26965 (20042521) 2260.67621 (20042521) 1922.46257 (20042521)
1673.52610 (20042521)
40.0 | 3697.32024 (20112618) 2978.22089 (20112618) 2459.59771 (20112618) 2063.80879 (20112618) 1770.20301
(20112618)
50.0 | 3286.57481 (20082821) 2628.35753 (20082821) 2156.75307 (20082821) 1776.62054 (20082821)
1538.27406 (20082821)
60.0 | 3119.33324 (20070420) 2500.22561 (20070420) 1995.78375 (20070420) 1697.96155 (20070420)
1552.06641 (20112620)
70.0 | 3496.89391 (20081606) 2587.78263 (20081606) 2114.11655 (20081606) 2058.19964 (20081606) 1755.35231
(20081606)
80.0 | 2938.03595 (20021821) 2314.60362 (20021821) 1928.67425 (20021821) 1786.00571 (20082920)
1567.22603 (20082920)
90.0 | 2798.38670 (20092419) 2175.34177 (20021820) 1903.85639 (20121418) 1604.98438 (20102818)
1405.94773 (20102818)
100.0 | 3149.81777 (20092420) 2420.36304 (20091807) 2127.87235 (20092420) 1786.22470 (20092420)
1548.49856 (20092420)
110.0 | 3232.71817 (20101121) 2495.67080 (20101121) 2226.82050 (20101121) 1959.82064 (20101121)
1692.20670 (20101121)
120.0 | 3367.61802 (20081421) 2600.69038 (20121220) 2302.06198 (20081421) 2084.86588 (20081421)
1774.65910 (20121220)
130.0 | 3243.46661 (20092521) 2511.98869 (20092521) 2159.52963 (20092521) 1979.30475 (20092521)
1726.66569 (20092521)
140.0 | 3672.97690 (20091521) 2724.83657 (20091521) 2189.41960 (20091521) 1860.22512 (20091521)
1781.66474 (20112819)
150.0 | 3787.98570 (20120820) 3013.43367 (20120820) 2461.41425 (20120820) 1955.31335 (20120820)
1683.55178 (20120820)
160.0 | 4347.19588 (20072620) 3536.91430 (20072620) 2842.06881 (20072620) 2233.77311 (20080406)
1993.53356 (20072620)
170.0 | 4003.88503 (20120919) 3248.29293 (20120919) 2700.10145 (20120919) 2481.01457 (20120919)
1893.34157 (20120919)
180.0 | 3823.69459 (20092421) 3064.65288 (20092421) 2534.51036 (20092421) 2161.97698 (20092421)
1819.59610 (20092421)
190.0 | 3517.27546 (20031006) 2833.61190 (20062106) 2295.15274 (20062106) 1940.93800 (20062106)
1657.15943 (20062106)
200.0 | 3187.87110 (20021706) 2610.42608 (20021706) 2153.27712 (20021706) 1810.90307 (20021706)
1544.95636 (20121021)
210.0 | 3070.38359 (20120607) 2591.67078 (20120607) 2055.06563 (20120607) 1747.73036 (20120607)
1443.75035 (20030106)
220.0 | 2754.36753 (20030106) 2451.91675 (20112706) 2008.02956 (20112706) 1531.59778 (20112706)
1306.44080 (20112706)
230.0 | 2680.56219 (20092407) 2113.14069 (20092407) 1738.47358 (20092407) 1467.76599 (20092407)
1269.77374 (20092407)
240.0 | 3058.72312 (20112707) 2424.05747 (20112707) 2003.36365 (20112707) 1690.32015 (20112707)
1450.70833 (20112707)
250.0 | 3209.91418 (20121107) 2534.39090 (20020306) 2064.21718 (20020306) 1768.73947 (20020306)
1474.14036 (20020306)
260.0 | 3604.59194 (20020306) 2912.62536 (20020306) 2390.34632 (20020306) 2025.42205 (20121919)
1745.12688 (20121919)
270.0 | 3193.18498 (20051021) 2575.81667 (20121920) 2158.92494 (20051021) 1816.97957 (20051021)
1532.20687 (20051021)
280.0 | 3664.51804 (20122006) 2970.86411 (20080806) 2447.92652 (20080806) 2045.91187 (20080806)
1771.97522 (20080806)
290.0 | 3564.53275 (20032307) 2887.59313 (20032307) 2396.70799 (20032307) 2034.71513 (20032307)
1764.15982 (20032307)
300.0 | 3305.26383 (20050506) 2660.81588 (20050506) 2209.91083 (20050506) 1892.93815 (20050506)
1650.35449 (20050506)

310.0 | 3218.82321 (20073006) 2632.50693 (20073006) 2207.98927 (20073006) 1903.56798 (20073006) 1626.33384 (20073006)
320.0 | 2816.55303 (20121006) 2305.95203 (20121006) 1945.14846 (20121006) 1671.47765 (20121006) 1433.15400 (20121006)
330.0 | 2958.32743 (20112807) 2411.80462 (20112807) 2053.35958 (20112807) 1771.21934 (20112807) 1542.77723 (20112807)
340.0 | 2708.36998 (20090106) 2194.93428 (20090106) 1869.03359 (20090106) 1602.86983 (20090106) 1387.72771 (20090106)
350.0 | 2824.12743 (20020520) 2301.42543 (20020520) 1948.67888 (20020520) 1687.58406 (20020520) 1458.69154 (20020520)
360.0 | 3329.21476 (20020421) 2718.73805 (20020421) 2301.82395 (20020421) 1981.99897 (20020421) 1726.58312 (20020421)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	1533.31605 (20040806)	1371.91426 (20040806)	1214.98071 (20040806)	1056.18618 (20040806)	943.25129 (20012420)
20.0	1767.94163 (20121319)	1571.04832 (20121319)	1400.62278 (20121319)	1263.91562 (20121319)	1146.32504 (20121319)
30.0	1470.31373 (20042521)	1303.73903 (20042521)	1179.89177 (20042521)	1070.33820 (20042521)	965.77564 (20042521)
40.0	1479.04244 (20112618)	1300.37233 (20112618)	1149.51594 (20112618)	1027.87385 (20112618)	931.28687 (20112618)
50.0	1447.39711 (20082821)	1293.57442 (20082821)	1158.49290 (20082821)	1052.32836 (20082821)	960.13873 (20082821)
60.0	1361.25426 (20112620)	1176.14640 (20112620)	1047.33602 (20112620)	911.34862 (20032819)	841.22534 (20112620)
70.0	1541.86300 (20081606)	1360.32198 (20081606)	1211.83992 (20081606)	1090.33607 (20081606)	987.44584 (20081606)
80.0	1393.99346 (20082920)	1243.11568 (20082920)	1113.43727 (20082920)	997.64580 (20082920)	900.09829 (20021820)
90.0	1246.76504 (20102818)	1109.38682 (20102818)	1000.65245 (20102818)	908.75198 (20102818)	825.45876 (20102818)
100.0	1352.37022 (20092420)	1201.39102 (20092420)	1101.83803 (20092420)	976.83418 (20092420)	881.97918 (20092420)
110.0	1419.89533 (20101121)	1268.74836 (20101121)	1141.26692 (20101121)	1018.94573 (20101121)	930.56942 (20091807)
120.0	1566.80132 (20080407)	1318.49153 (20101120)	1204.81958 (20121220)	1081.01674 (20121421)	963.98825 (20121220)
130.0	1509.76445 (20081521)	1308.89318 (20092521)	1147.51577 (20092521)	1025.21451 (20092521)	931.07755 (20092521)
140.0	1564.98298 (20112819)	1393.91210 (20112819)	1243.02828 (20112819)	1132.89566 (20112819)	1048.50132 (20112819)
150.0	1649.21489 (20120820)	1443.07783 (20120820)	1286.85441 (20120820)	1163.33180 (20120820)	1118.51602 (20120820)
160.0	1613.48878 (20080406)	1432.72992 (20080406)	1461.88335 (20072620)	1378.67687 (20072620)	1206.09504 (20072620)

170.0 | 1721.81700 (20120919) 1366.08325 (20120919) 1224.71561 (20120919) 1169.37830 (20120919) 1117.35221 (20120919)
180.0 | 1627.94691 (20092421) 1389.39429 (20092421) 1138.72003 (20092421) 1029.19146 (20092421) 993.50571 (20092421)
190.0 | 1468.50949 (20062106) 1296.01575 (20031006) 1113.08240 (20062106) 1010.48070 (20072520) 794.50987 (20062106)
200.0 | 1352.73678 (20121021) 1186.95550 (20121021) 1085.66187 (20121021) 1012.87419 (20021706) 1008.21332 (20032106)
210.0 | 1261.87492 (20030106) 1104.37454 (20031406) 997.25641 (20031406) 890.94212 (20031406) 873.99109 (20092707)
220.0 | 1108.68120 (20112706) 952.51367 (20112706) 842.09560 (20112706) 776.74916 (20112706) 703.02140 (20112706)
230.0 | 1115.29205 (20092407) 979.92743 (20092407) 840.20804 (20092407) 762.57826 (20092407) 660.81322 (20092407)
240.0 | 1269.37061 (20112707) 1109.35748 (20112707) 1008.41255 (20112707) 904.13735 (20112707) 786.05029 (20112707)
250.0 | 1283.32948 (20020306) 1119.30073 (20020306) 1000.45405 (20020306) 898.62401 (20020306) 804.91395 (20020306)
260.0 | 1526.18522 (20121919) 1349.06080 (20121919) 1200.50842 (20121919) 1071.21345 (20121919) 964.52066 (20121919)
270.0 | 1352.96680 (20051021) 1193.21529 (20051021) 1075.62080 (20051021) 972.47936 (20121920) 877.18251 (20121920)
280.0 | 1519.20284 (20080806) 1394.93129 (20080806) 1287.42084 (20122008) 1179.62294 (20122008) 1094.14959 (20031306)
290.0 | 1593.13829 (20032307) 1419.14736 (20032307) 1295.80759 (20032307) 1174.44085 (20032307) 1059.14470 (20020307)
300.0 | 1473.82528 (20050506) 1287.82369 (20050506) 1150.63653 (20050506) 1042.76923 (20050506) 978.38995 (20050506)
310.0 | 1437.21607 (20073006) 1294.94780 (20073006) 1190.33471 (20073006) 1085.72372 (20073006) 937.85041 (20073006)
320.0 | 1256.86278 (20121006) 1147.13681 (20121006) 1015.29937 (20031307) 910.68350 (20031307) 834.42064 (20031307)
330.0 | 1377.36546 (20112807) 1214.24730 (20041807) 1069.03008 (20041807) 956.44492 (20041807) 871.57254 (20041807)
340.0 | 1221.01355 (20090106) 1081.36466 (20090106) 968.90962 (20090106) 881.77805 (20090106) 814.59729 (20090106)
350.0 | 1273.32511 (20020520) 1124.51150 (20020520) 999.28401 (20020520) 897.21315 (20081107) 817.40903 (20081107)
360.0 | 1505.51754 (20040806) 1315.79145 (20040806) 1133.09391 (20040806) 1022.46679 (20040806) 944.10616 (20040806)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	864.26904 (20040806)	792.82185 (20040806)	731.59098 (20040806)	667.26921 (20040806)	607.21946 (20040806)
20.0	1037.83942 (20121319)	927.89253 (20121319)	858.41228 (20121319)	805.79760 (20121319)	757.61481 (20121319)

30.0	880.20401 (20042521)	810.67982 (20042521)	747.96063 (20042521)	690.78309 (20042521)	644.16766 (20042521)
40.0	852.49910 (20112618)	784.59702 (20112618)	713.15493 (20121918)	652.45657 (20121918)	608.14574 (20121918)
50.0	869.62367 (20082821)	805.98729 (20082821)	739.93563 (20082821)	683.63615 (20082821)	643.36072 (20082821)
60.0	766.84463 (20032819)	709.37779 (20032819)	651.38606 (20032819)	604.11046 (20032819)	566.24112 (20032819)
70.0	927.46163 (20081606)	828.93403 (20081606)	769.21030 (20081606)	710.70975 (20081606)	672.47493 (20112620)
80.0	807.64054 (20021820)	730.05849 (20021821)	667.99086 (20021820)	628.76253 (20021820)	592.69210 (20021820)
90.0	752.35840 (20102818)	692.10124 (20121418)	624.33138 (20102818)	588.96898 (20121418)	551.56765 (20121418)
100.0	812.19733 (20092420)	744.61987 (20092420)	691.46870 (20092420)	628.48294 (20092420)	593.02956 (20092420)
110.0	873.34201 (20091807)	795.77476 (20091807)	731.98159 (20091807)	670.41832 (20101121)	622.97034 (20101121)
120.0	887.01953 (20121421)	822.17832 (20121421)	771.37509 (20121421)	713.75900 (20121421)	665.85301 (20121421)
130.0	840.29205 (20050121)	786.99527 (20050121)	736.15151 (20050121)	699.69541 (20050121)	643.62713 (20050121)
140.0	960.27312 (20112819)	893.47052 (20091521)	826.82052 (20091521)	772.16915 (20091521)	711.65021 (20091521)
150.0	1041.24723 (20120820)	912.93239 (20120820)	846.10367 (20120820)	785.34368 (20120820)	740.75591 (20120820)
160.0	1019.46962 (20072620)	1000.84174 (20072620)	934.68112 (20072620)	887.99736 (20072620)	821.26240 (20072620)
170.0	995.21715 (20120919)	931.03480 (20120919)	874.16513 (20120919)	818.81426 (20120919)	772.94265 (20120919)
180.0	898.79582 (20092421)	814.35147 (20092421)	760.75596 (20092421)	708.96498 (20092421)	672.99877 (20092421)
190.0	727.44405 (20062106)	669.62027 (20062106)	619.32173 (20062106)	651.23558 (20072520)	613.49923 (20072520)
200.0	873.42752 (20032106)	647.93982 (20042207)	599.23274 (20042207)	619.51262 (20032106)	581.68419 (20032106)
210.0	669.96765 (20031406)	616.70166 (20031406)	570.36525 (20031406)	571.23725 (20092707)	540.64424 (20092707)
220.0	737.92836 (20112706)	516.59639 (20112706)	477.75004 (20112706)	443.69911 (20112706)	441.69843 (20112706)
230.0	613.69054 (20092407)	571.54543 (20092407)	521.13933 (20092407)	465.04893 (20092407)	441.54256 (20092407)
240.0	719.74798 (20112707)	652.43494 (20112707)	562.60178 (20112707)	502.13490 (20112707)	502.77328 (20112707)
250.0	722.35126 (20020306)	656.63605 (20020306)	606.74937 (20030108)	545.64419 (20020306)	482.82664 (20020306)
260.0	880.75562 (20121919)	788.83914 (20121919)	715.03839 (20121919)	646.33547 (20121919)	611.92843 (20121919)
270.0	796.09932 (20121920)	722.66769 (20121920)	658.70276 (20121920)	607.84670 (20121920)	566.93719 (20051021)
280.0	984.12870 (20122008)	887.51212 (20122008)	815.45534 (20122008)	759.13148 (20031306)	718.91062 (20031306)
290.0	960.38444 (20020307)	878.94260 (20020307)	816.49621 (20020307)	770.37216 (20020307)	715.92440 (20020307)
300.0	875.25617 (20050506)	802.83747 (20050506)	739.72292 (20050506)	688.76226 (20050506)	660.30257 (20050506)
310.0	881.68064 (20073006)	804.52830 (20073006)	747.20418 (20073006)	674.31924 (20073006)	628.82893 (20073006)
320.0	743.19462 (20081621)	671.96432 (20081621)	649.57454 (20081621)	572.52611 (20081621)	531.45625 (20081621)
330.0	797.07073 (20041807)	738.17303 (20041807)	664.21303 (20012921)	598.44717 (20041807)	568.46907 (20012921)

340.0 | 734.78660 (20090106) 679.51230 (20090106) 604.15288 (20102821) 561.34290 (20102821) 528.82320 (20090106)
350.0 | 757.92599 (20020520) 695.87241 (20020520) 645.91757 (20020520) 599.66761 (20020520) 561.76839 (20020520)
360.0 | 855.13249 (20040806) 765.83748 (20120421) 693.46942 (20120421) 635.38353 (20120421) 588.06588 (20120421)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	6259.74731	(20121118)	TANK	498.87	129.50	4178.48448	(20092521)
TANK	81.43	359.00	38602.99022	(20041907)	TANK	116.79	44.50	29070.92831	(20121218)
TANK	109.20	67.00	28365.75674	(20021019)	TANK	100.70	93.73	28669.77988	(20010720)
TANK	87.91	103.99	40257.15784	(20091807)	TANK	99.82	123.38	34733.43641	(20082320)
TANK	138.00	141.00	23735.81793	(20091521)	TANK	106.00	180.00	34367.70854	(20050406)
TANK	115.60	206.00	26865.91357	(20092406)	TANK	54.00	270.00	66717.54930	(20080807)
TANK	97.00	326.00	31369.29912	(20120921)	TANK	133.94	242.10	20654.50529	(20112707)
TANK	101.99	301.65	31316.17816	(20121308)	TANK	236.54	274.95	11548.31000	(20081406)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	14630.11594 (20121324)	5984.80851 (20012424)	3696.27417 (20012424)	2584.57217 (20012424)	1930.65295 (20012424)
20.0	16302.02805 (20121324)	6681.93820 (20121324)	3829.04066 (20121324)	2538.05066 (20121324)	1836.32814 (20121324)
30.0	10969.03537 (20121324)	4038.01666 (20121324)	2198.97600 (20042524)	1530.03771 (20042524)	1135.63922 (20042524)
40.0	10141.37433 (20042524)	4386.23689 (20042524)	2565.00579 (20042524)	1731.28520 (20042524)	1271.52836 (20042524)
50.0	7895.23252 (20092716)	3364.70023 (20082824)	2013.41411 (20082824)	1383.56658 (20082824)	1015.42948 (20082824)
60.0	7906.66020m(20112624)	3190.78654 (20032824)	1900.36836 (20032824)	1296.95128 (20032824)	940.64184 (20032824)

70.0 | 10970.11732 (20021824) 4375.13310 (20021824) 2462.48841m(20112624) 1656.07429m(20112624) 1217.83214m(20112624)
80.0 | 10996.97431 (20021824) 4976.81217 (20021824) 3022.05422 (20021824) 2056.73715 (20021824) 1511.33873 (20021824)
90.0 | 8160.03249 (20091816) 3374.14593 (20092424) 1975.69486 (20092424) 1315.18584 (20092424) 960.69242 (20092424)
100.0 | 8684.94240c(20091808) 3850.90859c(20091808) 2267.41289c(20091808) 1523.64976c(20091808) 1101.74577c(20091808)
110.0 | 7941.21562 (20081424) 3466.76582 (20101124) 2049.85692 (20101124) 1375.50187 (20101124) 991.97952 (20101124)
120.0 | 10700.02320c(20112824) 3995.56681c(20112824) 2409.30196 (20011924) 1688.18136 (20011924) 1263.72246 (20011924)
130.0 | 16031.23587c(20112824) 6918.67629c(20112824) 4017.45158c(20112824) 2646.75866c(20112824) 1895.33869c(20112824)
140.0 | 13321.48453c(20112824) 6209.35488c(20112824) 3721.13972c(20112824) 2513.95951c(20112824) 1819.95480c(20112824)
150.0 | 11728.53399 (20120824) 5336.84010 (20120824) 3149.81480 (20120824) 2096.82390 (20120824) 1514.32233 (20120824)
160.0 | 12416.34447 (20011608) 5655.54916 (20011608) 3327.59305 (20011608) 2246.10482 (20011608) 1649.19617 (20011608)
170.0 | 9783.72405 (20011608) 4456.20194 (20011608) 2562.48203 (20011608) 1725.72680 (20112324) 1267.38272 (20112324)
180.0 | 9424.14876 (20072524) 3733.31349 (20112324) 2271.46111 (20112324) 1539.08031 (20112324) 1123.26018 (20112324)
190.0 | 9253.09850 (20111724) 4314.06139 (20111724) 2582.90732 (20111724) 1757.05825 (20111724) 1288.00000 (20111724)
200.0 | 9408.55852 (20100416) 4045.98726 (20093024) 2357.03646 (20093024) 1576.52805 (20093024) 1147.77372 (20093024)
210.0 | 9485.20961m(20013024) 4163.12749m(20013024) 2457.76651 (20122308) 1681.25189 (20122308) 1233.20699 (20122308)
220.0 | 10011.91236m(20013024) 4394.98922m(20013024) 2527.72805m(20013024) 1685.74797m(20013024) 1215.77677m(20013024)
230.0 | 9367.48457 (20122724) 4200.43110 (20122724) 2467.24840 (20122724) 1663.38854 (20122724) 1209.78792 (20122724)
240.0 | 9942.79091 (20122724) 4394.08807 (20122724) 2564.39262 (20122724) 1727.63410 (20122724) 1247.35171 (20122724)
250.0 | 9070.38104 (20121108) 3862.78037 (20121108) 2226.30080 (20121108) 1476.84370 (20121108) 1072.42930 (20102324)
260.0 | 8302.27953 (20102324) 3540.89565 (20102324) 2071.72556 (20102324) 1387.04448 (20102324) 1007.70906 (20102324)
270.0 | 9708.56190 (20122008) 3900.24895 (20122008) 2151.86200 (20122008) 1432.17944 (20103124) 1055.32696 (20103124)
280.0 | 12875.17001 (20122008) 5677.53494 (20122008) 3394.07764 (20122008) 2293.90351 (20122008) 1701.49998 (20122008)
290.0 | 12258.63315 (20122008) 4987.19201 (20122008) 2813.48983 (20122008) 1839.84584 (20122008) 1308.95635 (20122008)
300.0 | 8219.20166 (20081724) 3667.52223m(20123124) 2184.98708m(20123124) 1499.30241m(20123124) 1104.27279m(20123124)
310.0 | 8710.05179 (20112524) 4111.56208 (20112524) 2562.30545 (20112524) 1771.98108 (20112524) 1322.31387 (20112524)
320.0 | 9987.22106 (20112524) 4369.18814 (20112524) 2591.62670 (20112524) 1766.40873 (20112524) 1300.71533 (20112524)
330.0 | 8547.51227 (20120416) 3223.05260 (20030408) 1928.70211 (20030408) 1334.05254 (20030408) 979.34828 (20030408)
340.0 | 7173.88210 (20091416) 3253.98033c(20013124) 1997.88791c(20013124) 1385.80039c(20013124) 1036.29111c(20013124)
350.0 | 7286.59558 (20010224) 3276.29373 (20010224) 1940.18643 (20010224) 1322.90552 (20010224) 971.15268 (20010224)
360.0 | 11083.32357 (20120424) 4622.97211 (20120424) 2693.36382 (20120424) 1783.12200 (20120424) 1292.86816 (20021324)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	1515.91023 (20012424)	1223.91156 (20012424)	1013.70163 (20012424)	867.35613 (20012424)	753.78653 (20012424)
20.0	1404.11011 (20121324)	1115.25852 (20121324)	902.68948 (20121324)	763.17571 (20121324)	659.76030 (20121324)
30.0	893.52553 (20042524)	729.35508 (20042524)	606.84217 (20042524)	511.57256 (20042524)	440.32439 (20042524)
40.0	972.25560 (20042524)	795.32316 (20042524)	655.99927 (20042524)	553.20055 (20042524)	468.51911 (20042524)
50.0	795.61617 (20082824)	636.93112 (20082824)	521.03503 (20082824)	429.05355 (20082824)	369.17057 (20082824)
60.0	731.92589 (20032824)	585.81481 (20032824)	470.38576 (20032824)	396.76829 (20032824)	350.39462 (20032824)
70.0	930.90494m(20112624)	715.36364m(20112624)	584.04413m(20112624)	520.84773m(20112624)	444.24253m(20112624)
80.0	1148.06509 (20021824)	898.60323 (20021824)	741.35863 (20021824)	670.50057 (20021824)	577.77292 (20021824)
90.0	735.75310 (20121424)	574.51041 (20121424)	498.55812 (20121424)	428.30087 (20121424)	374.57439 (20121424)
100.0	853.46118c(20091808)	660.60736c(20091808)	575.65544c(20091808)	480.97545c(20091808)	415.26504c(20091808)
110.0	754.66807 (20101124)	592.10555 (20101124)	486.42531 (20121224)	410.83685 (20121224)	354.30449 (20121224)
120.0	984.55252 (20011924)	777.90604 (20011924)	666.54063 (20011924)	574.54316 (20011924)	501.85830 (20011924)
130.0	1437.62820c(20112824)	1111.42029c(20112824)	915.27801c(20112824)	759.15123c(20112824)	642.51499c(20112824)
140.0	1408.03335c(20112824)	1069.39760c(20112824)	861.90588c(20112824)	722.57798c(20112824)	656.59142c(20112824)
150.0	1156.91131 (20120824)	906.15278 (20120824)	737.71878 (20120824)	609.55804 (20120824)	509.21775 (20120824)
160.0	1275.89772 (20011608)	1028.98003 (20011608)	833.12233 (20011608)	664.17907 (20011608)	581.80531 (20011608)
170.0	993.09815 (20112324)	802.20653 (20112324)	663.92896 (20112324)	553.99377 (20112324)	476.00115 (20112324)
180.0	848.50374 (20112324)	683.68865 (20112324)	557.73404 (20112324)	466.53527 (20112324)	398.80062 (20112324)
190.0	1001.08055 (20111724)	804.88331 (20111724)	659.87543 (20111724)	557.23771 (20111724)	478.47792 (20111724)
200.0	888.80324 (20093024)	717.31620 (20093024)	588.00226 (20093024)	490.54140 (20093024)	414.89695 (20093024)
210.0	959.81012 (20122308)	806.51478 (20122308)	643.04830 (20122308)	546.84522 (20122308)	457.52634c(20112408)
220.0	928.18511m(20013024)	702.85726m(20013024)	610.25790m(20013024)	509.57286m(20013024)	429.39110m(20013024)
230.0	944.99809 (20122724)	747.73999 (20122724)	612.09418 (20122724)	514.49343 (20122724)	439.93514 (20122724)

240.0 | 972.71523 (20122724) 771.70618 (20122724) 633.41661 (20122724) 531.37298 (20122724) 451.55334 (20122724)
250.0 | 827.74845 (20102324) 669.76345 (20102324) 550.59429 (20102324) 458.43429 (20102324) 389.52840 (20102324)
260.0 | 776.53813 (20102324) 628.61399 (20091424) 524.49702 (20091424) 447.40558 (20091424) 385.14034 (20091424)
270.0 | 824.80508 (20103124) 665.66878 (20103124) 549.72544 (20103124) 465.02834 (20103124) 396.04492 (20103124)
280.0 | 1327.29984 (20122008) 1076.51862 (20122008) 884.57224 (20122008) 737.94711 (20122008) 633.48950 (20122008)
290.0 | 992.89131 (20122008) 770.93502 (20122008) 620.90172 (20122008) 519.41335 (20122008) 436.39055 (20122008)
300.0 | 853.36906m(20123124) 684.81353m(20123124) 566.97097m(20123124) 476.21280 (20022408) 415.88820 (20022408)
310.0 | 1030.77136 (20112524) 831.39193 (20112524) 692.37714 (20112524) 591.92341 (20112524) 509.24454 (20112524)
320.0 | 993.98436 (20112524) 804.88595 (20112524) 655.16588 (20112524) 548.23683 (20112524) 471.57854 (20112524)
330.0 | 761.45009 (20021308) 620.47971 (20021308) 515.33432 (20021308) 437.00709 (20021308) 381.06295 (20021308)
340.0 | 812.16831c(20013124) 657.91379c(20013124) 554.58252c(20013124) 472.01847c(20013124) 408.58328c(20013124)
350.0 | 741.77449 (20010224) 587.72761 (20010224) 483.54702 (20010224) 404.30882 (20010224) 341.69625 (20010224)
360.0 | 1022.60664 (20021324) 825.62312 (20021324) 685.89205 (20021324) 579.73484 (20021324) 498.90736 (20021324)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	661.69281 (20012424)	587.52405 (20012424)	524.88458 (20012424)	473.40437 (20012424)	428.40336 (20012424)
20.0	576.15108 (20121324)	506.56982 (20121324)	448.41304 (20121324)	402.65226 (20121324)	362.16712 (20121324)
30.0	383.64200 (20042524)	334.31088 (20042524)	296.56253 (20042524)	268.38228 (20042524)	242.27291 (20042524)
40.0	400.97803 (20042524)	353.30676 (20042524)	309.66547 (20042524)	277.26033 (20042524)	251.25668 (20042524)
50.0	336.15809 (20082824)	299.88378 (20082824)	267.88376 (20082824)	242.64927 (20082824)	218.14204 (20082824)
60.0	305.59344 (20032824)	267.88182 (20032824)	235.98802 (20032824)	213.87597 (20032824)	195.01669 (20032824)
70.0	386.16512m(20112624)	334.79982m(20112624)	291.06757m(20112624)	258.84717m(20112624)	235.22469m(20112624)
80.0	512.54229 (20021824)	455.49905 (20021824)	406.04199 (20021824)	362.98152 (20021824)	327.31386 (20021824)
90.0	331.60185 (20121424)	294.56997 (20121424)	264.97777 (20121424)	239.93359 (20121424)	217.47002 (20121424)

100.0 | 362.84047c(20091808) 322.11113c(20091808) 287.65756c(20091808) 260.53572c(20091808) 234.12444c(20091808)
110.0 | 299.94326 (20121224) 266.55560 (20121224) 235.03413 (20121224) 209.55413 (20121224) 193.72979 (20121224)
120.0 | 440.84782 (20011924) 382.83590 (20011924) 348.38661 (20011924) 316.04094 (20011924) 283.28376 (20011924)
130.0 | 559.53614c(20112824) 483.66486c(20112824) 423.01632c(20112824) 377.13142c(20112824) 341.61597c(20112824)
140.0 | 568.74518c(20112824) 501.07384c(20112824) 446.23997c(20112824) 400.66158c(20112824) 367.87911c(20112824)
150.0 | 456.53609 (20120824) 395.93112 (20120824) 348.26583 (20120824) 312.60078 (20120824) 280.29624 (20120824)
160.0 | 481.33123 (20011608) 427.16626 (20011608) 408.28154 (20011608) 376.56306 (20011608) 334.48748 (20011608)
170.0 | 423.41210 (20112324) 350.11670 (20112324) 313.74017 (20112324) 289.04482 (20112324) 267.07628 (20112324)
180.0 | 339.83909 (20112324) 298.78533 (20112324) 264.38403 (20112324) 232.59092 (20112324) 210.47877 (20112324)
190.0 | 420.65968 (20111724) 369.89229 (20111724) 324.14732 (20111724) 292.29707 (20111724) 239.81664 (20111724)
200.0 | 358.66302 (20093024) 314.36508 (20093024) 284.44530 (20093024) 262.00318 (20093024) 245.62192 (20093024)
210.0 | 400.54969c(20112408) 351.85099c(20112408) 316.99096c(20112408) 284.00038c(20112408) 273.76155 (20122308)
220.0 | 366.94222m(20013024) 317.54708m(20013024) 278.31223m(20013024) 254.48749m(20013024) 229.53457m(20013024)
230.0 | 382.91128 (20122724) 337.53144 (20122724) 290.77452 (20122724) 264.35025 (20122724) 229.76101 (20122724)
240.0 | 391.40768 (20121108) 342.32582 (20122724) 309.93201 (20122724) 274.91495 (20122724) 243.28365 (20122724)
250.0 | 337.01316 (20102324) 294.32039 (20102324) 260.84541 (20102324) 233.69250 (20102324) 209.95184 (20102324)
260.0 | 335.27088 (20091424) 295.34433 (20091424) 261.73565 (20091424) 234.18175 (20091424) 211.30086 (20091424)
270.0 | 346.23717 (20103124) 304.68354 (20103124) 270.16130 (20103124) 242.33696 (20103124) 220.21506 (20103124)
280.0 | 543.62112 (20122008) 494.19562 (20122008) 457.64991 (20122008) 416.31342 (20122008) 380.88433 (20122008)
290.0 | 377.30220 (20122008) 335.85157 (20020308) 302.76864 (20020308) 271.79610 (20020308) 246.30034 (20020308)
300.0 | 362.52744 (20022408) 319.13492 (20022408) 284.87690 (20022408) 254.11663 (20022408) 229.81278 (20022408)
310.0 | 443.99685 (20112524) 390.30021 (20112524) 352.97762 (20112524) 316.99092 (20112524) 284.21551 (20112524)
320.0 | 412.20406 (20112524) 360.19185 (20112524) 318.65168 (20112524) 280.87563 (20112524) 255.99369 (20112524)
330.0 | 328.62392 (20021308) 292.88626 (20021308) 263.02821 (20021308) 239.05544 (20021308) 217.56352 (20021308)
340.0 | 359.77035c(20013124) 319.37185c(20013124) 286.11283c(20013124) 259.36577c(20013124) 237.72684c(20013124)
350.0 | 295.20610 (20010224) 257.53118 (20010224) 229.89757 (20010224) 207.15733 (20010224) 185.83009 (20010224)
360.0 | 437.69805 (20021324) 386.40652 (20021324) 346.88161 (20021324) 313.54916 (20021324) 286.20480 (20021324)

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	390.32104 (20012424)	357.90058 (20012424)	329.77466 (20012424)	303.05107 (20012424)	278.39430 (20012424)
20.0	325.62985 (20121324)	292.47911 (20121324)	267.59530 (20121324)	250.39904 (20121324)	233.12777 (20121324)
30.0	218.87951 (20042524)	198.83779 (20042524)	183.38595 (20042524)	169.27603 (20042524)	156.51330 (20042524)
40.0	227.65753 (20042524)	203.39196 (20042524)	184.75035 (20042524)	171.12415 (20042524)	158.92413 (20042524)
50.0	197.32974 (20082824)	181.15245 (20082824)	166.37802 (20082824)	153.74871 (20082824)	144.41886 (20082824)
60.0	175.15444 (20032824)	159.12592 (20032824)	145.35686 (20032824)	134.44056 (20032824)	125.82712 (20032824)
70.0	215.60573m(20112624)	197.33282m(20112624)	178.05272m(20112624)	164.13264m(20112624)	150.78121m(20112624)
80.0	297.24215 (20021824)	270.82467 (20021824)	245.74737 (20021824)	233.05703 (20021824)	216.97044 (20021824)
90.0	197.97788 (20121424)	182.31903 (20121424)	163.50020 (20121424)	154.82492 (20121424)	145.23272 (20121424)
100.0	209.51898c(20091808)	191.93564c(20091808)	178.09611c(20091808)	162.27256c(20091808)	152.94040c(20091808)
110.0	174.87470 (20121224)	158.51743 (20121224)	145.37375 (20121224)	133.50209 (20121224)	124.07119 (20121224)
120.0	259.67907 (20011924)	239.49272 (20011924)	221.60121 (20011924)	204.16659 (20011924)	189.62871 (20011924)
130.0	297.16482c(20112824)	271.28771c(20112824)	248.88322 (20092524)	235.73400 (20092524)	217.21864 (20092524)
140.0	333.24799c(20112824)	310.62549c(20112824)	285.69990c(20112824)	264.65521c(20112824)	243.00194c(20112824)
150.0	257.33268 (20120824)	229.32183 (20120824)	210.88455 (20120824)	194.53089 (20120824)	177.88743 (20120824)
160.0	288.27063 (20011608)	274.41934 (20011608)	256.08117 (20011608)	239.74583 (20011608)	221.94451 (20011608)
170.0	239.93760 (20112324)	223.31183 (20112324)	206.74160 (20112324)	189.51439 (20112324)	176.03173 (20112324)
180.0	188.38224 (20100124)	171.30253 (20100124)	159.37270 (20100124)	147.58442 (20100124)	137.23834 (20100124)
190.0	219.01712 (20111724)	200.94730 (20111724)	185.55757 (20111724)	186.52396 (20111724)	170.73859 (20111724)
200.0	215.54229 (20093024)	172.26084 (20093024)	158.56331 (20093024)	160.92435 (20093024)	147.07733 (20093024)
210.0	216.48031c(20112408)	199.14318c(20112408)	184.07985c(20112408)	183.66437c(20112408)	173.09397c(20112408)
220.0	215.79145m(20013024)	177.34074m(20013024)	160.77167m(20013024)	148.37823m(20013024)	145.82760m(20013024)
230.0	213.69655 (20122724)	195.32349 (20122724)	178.30233 (20122724)	162.66341 (20122724)	150.18746 (20122724)
240.0	221.84732 (20122724)	200.91033 (20122724)	174.72555 (20122724)	158.41229 (20122724)	152.73107 (20122724)
250.0	190.53465 (20102324)	172.62736 (20102324)	157.69566 (20102324)	143.99130 (20102324)	129.45675 (20102324)
260.0	192.91204 (20100808)	174.24384 (20100808)	159.01762 (20100808)	144.94370 (20100808)	137.10584 (20100808)

270.0 | 201.60875 (20103124) 183.87594 (20103124) 168.09478 (20103124) 156.42527 (20103124) 144.14395 (20103124)
280.0 | 342.18816 (20122008) 308.17936 (20122008) 282.66324 (20122008) 263.66598 (20122008) 249.13563 (20122008)
290.0 | 225.19224 (20020308) 207.07796 (20020308) 192.35567 (20020308) 180.13283 (20020308) 166.06238 (20020308)
300.0 | 207.22555 (20022408) 190.30024 (20022408) 175.55117 (20022408) 161.38783 (20022408) 151.40555 (20022408)
310.0 | 259.93532 (20112524) 237.46974 (20112524) 219.23580 (20112524) 200.32246 (20112524) 185.99311 (20112524)
320.0 | 231.65739 (20112524) 211.31489 (20112524) 194.02110 (20030408) 178.61247 (20112524) 164.14303 (20030408)
330.0 | 196.68810 (20021308) 180.32616 (20021308) 164.86312 (20021308) 152.87448 (20021308) 141.68990 (20021308)
340.0 | 215.82120c(20013124) 198.95405c(20013124) 179.11255c(20013124) 166.25513c(20013124) 155.57776c(20013124)
350.0 | 164.38946 (20010224) 148.27969 (20010224) 137.15378 (20010224) 127.03166 (20010224) 117.78679 (20010224)
360.0 | 259.98031 (20021324) 236.95634 (20021324) 218.54987 (20021324) 202.73838 (20021324) 188.47485 (20021324)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 39
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK	375.70	118.90	1789.86642	(20011924)	TANK	498.87	129.50	1867.94160c	(20112824)
TANK	81.43	359.00	13337.14813	(20120424)	TANK	116.79	44.50	7613.89465	(20042524)
TANK	109.20	67.00	8861.98636	(20021824)	TANK	100.70	93.73	8174.91413c	(20091808)
TANK	87.91	103.99	9303.45449c	(20091808)	TANK	99.82	123.38	13098.15884c	(20112824)
TANK	138.00	141.00	9212.31160c	(20112824)	TANK	106.00	180.00	8792.61415	(20072524)
TANK	115.60	206.00	7771.31721	(20122308)	TANK	54.00	270.00	18820.88810	(20122008)
TANK	97.00	326.00	9703.27548	(20120416)	TANK	133.94	242.10	6959.83743	(20122724)
TANK	101.99	301.65	7815.60322m	(20123124)	TANK	236.54	274.95	4014.21584	(20122008)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
PAGE 40
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00

10.0 | 13080.22254 (20012424) 5879.55640 (20121324) 3309.91035 (20121324) 2159.73869 (20121324) 1514.09088 (20121324)
20.0 | 11122.16055 (20012424) 4752.96687 (20012424) 2770.34414 (20012424) 1848.17366 (20012424) 1337.93568 (20012424)
30.0 | 8196.64954 (20012716) 3580.66307 (20042524) 2146.07195 (20121324) 1341.52696 (20121324) 929.36195 (20102924)
40.0 | 7419.81413 (20082824) 2932.59023 (20102924) 1668.07595 (20102924) 1098.75821 (20102924) 781.73796 (20102924)
50.0 | 7752.24745 (20082824) 2853.50987 (20050824) 1668.63229 (20050824) 1151.98185 (20070424) 845.55436 (20070424)
60.0 | 7475.48372 (20082724) 3129.32167m(20112624) 1830.93561 (20070424) 1241.28863 (20070424) 896.41638 (20070424)
70.0 | 9328.50816m(20112624) 4153.63186m(20112624) 2447.53408 (20021824) 1582.27841 (20021824) 1089.70860 (20021824)
80.0 | 9742.57996 (20071124) 3916.66998 (20071124) 2244.86973 (20071124) 1479.50000 (20071124) 1064.46087 (20071124)
90.0 | 7664.43617 (20092424) 3026.60032 (20121424) 1856.02776 (20121424) 1281.52573 (20121424) 947.44942 (20121424)
100.0 | 6868.75324 (20101124) 3142.69976 (20092424) 1893.89748 (20092424) 1286.25983 (20092424) 931.16902 (20092424)
110.0 | 7674.23262 (20080408) 3277.17839 (20020224) 1892.67549 (20020224) 1265.49180 (20020224) 925.33376 (20121224)
120.0 | 9139.27929 (20022824) 3868.40490 (20022824) 2293.84978 (20111224) 1541.86319 (20111224) 1108.69365 (20111224)
130.0 | 10712.86159 (20012524) 4614.67378 (20012524) 2719.62053 (20092524) 1886.72992 (20092524) 1408.69053 (20092524)
140.0 | 11326.01632 (20012524) 5340.06985 (20012524) 3260.18306 (20012524) 2234.97550 (20012524) 1643.14663 (20012524)
150.0 | 10071.45563 (20042108) 4451.07498 (20041524) 2685.55411 (20041524) 1822.65325 (20041524) 1332.43478 (20041524)
160.0 | 9379.27348 (20120824) 4362.31161 (20120824) 2574.55313 (20122124) 1767.46164 (20122124) 1300.13095 (20122124)
170.0 | 8099.32827 (20072524) 3951.06112 (20112324) 2469.30631 (20112324) 1699.02617 (20011608) 1194.22596 (20011608)
180.0 | 7750.00964 (20111316) 3668.96071 (20072524) 2136.62461 (20010108) 1445.70916 (20010108) 1056.41580 (20010108)
190.0 | 8543.11931 (20122216) 3635.16455 (20010108) 2206.07090 (20010108) 1509.16556 (20010108) 1121.42812 (20010108)
200.0 | 9212.80973 (20093024) 3615.35115 (20122308) 2108.43987c(20112408) 1441.50315c(20112408) 1045.76893c(20112408)
210.0 | 9074.99023 (20121824) 4119.18433 (20122308) 2363.24576m(20013024) 1625.99688c(20112408) 1212.91679c(20112408)
220.0 | 9028.19642 (20121824) 3969.01876 (20121824) 2311.89329 (20121824) 1558.90166 (20121824) 1130.00697 (20121824)
230.0 | 9101.74509 (20030108) 3613.34158 (20120324) 2078.70838 (20120324) 1379.47594 (20021908) 1002.06414 (20021908)
240.0 | 9551.24874 (20121108) 4189.42739 (20121108) 2456.58149 (20121108) 1663.47117 (20121108) 1213.28365 (20121108)
250.0 | 8496.63793 (20102324) 3718.44530 (20102324) 2182.67200 (20102324) 1470.68614 (20102324) 1071.33831 (20121108)
260.0 | 7261.35390 (20091424) 3241.70336 (20091424) 1950.90350 (20091424) 1332.95459 (20091424) 988.72889 (20091424)
270.0 | 8416.30545 (20020308) 3497.54653 (20103124) 2094.73861 (20103124) 1380.52083 (20122008) 1004.81981 (20011324)
280.0 | 9699.45288 (20020308) 4220.88756c(20081408) 2551.13846c(20081408) 1740.14238c(20081408) 1301.43336c(20081408)
290.0 | 9424.00366 (20020308) 3876.02967 (20020308) 2269.61996 (20020308) 1526.32897 (20020308) 1133.28183 (20020308)
300.0 | 8064.34536 (20122008) 3523.77141 (20022408) 2133.06198 (20022408) 1473.49448 (20022408) 1092.69334 (20022408)

310.0 | 7851.74156 (20011824) 3395.00984 (20011824) 2027.46884 (20011824) 1359.11544 (20011824) 989.91677c(20021208)
320.0 | 9231.11724 (20120416) 3551.64942c(20121008) 2149.90130c(20121008) 1487.52283c(20121008) 1093.73461c(20121008)
330.0 | 7867.19407 (20091416) 2952.86180 (20021308) 1828.84599 (20021308) 1292.34844 (20021308) 973.46123 (20021308)
340.0 | 6979.35668c(20013124) 3064.22741 (20011908) 1894.49835 (20011908) 1317.96528 (20011908) 988.79750 (20011908)
350.0 | 6937.58532 (20051824) 2791.38599 (20120424) 1606.58478 (20090524) 1086.26528 (20090524) 796.68886 (20090524)
360.0 | 8382.46630 (20121324) 3916.42976 (20021324) 2447.28462 (20021324) 1712.01368 (20021324) 1286.23938 (20120424)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 600.00	700.00	800.00	900.00	1000.00
10.0	1146.13327 (20121324)	899.37742 (20121324)	720.35284 (20121324)	577.08497 (20121324)	481.78246 (20121324)
20.0	1004.71078 (20012424)	803.31949 (20012424)	660.13916 (20012424)	534.20494 (20012424)	451.83936 (20012424)
30.0	727.33612 (20102924)	587.08574 (20102924)	487.82265 (20102924)	411.83918 (20102924)	352.46243 (20102924)
40.0	596.07187 (20102924)	483.06632 (20102924)	392.42055 (20041424)	330.23864 (20041424)	280.13911 (20041424)
50.0	655.65426 (20070424)	535.83020 (20070424)	438.87046 (20070424)	364.37406 (20070424)	307.87221 (20070424)
60.0	691.13171 (20070424)	547.94683 (20070424)	439.68599 (20070424)	369.67581 (20070424)	326.38747 (20070424)
70.0	763.82003 (20021824)	648.43081 (20021824)	525.60353 (20021824)	433.26991 (20082724)	372.98915 (20082724)
80.0	801.30692 (20071124)	623.46349 (20071124)	511.75040 (20071124)	445.11971 (20071124)	384.22929 (20071124)
90.0	728.53538 (20092424)	564.91181 (20092424)	481.67738 (20092424)	404.84300 (20092424)	346.02655 (20092424)
100.0	733.06181 (20092424)	563.70569 (20092424)	491.03561 (20092424)	410.84857 (20092424)	356.78242 (20092424)
110.0	718.75988 (20121224)	558.12511 (20121224)	471.73975 (20101124)	390.80122 (20101124)	336.32477 (20101124)
120.0	841.55706 (20111224)	661.06499 (20111224)	538.75762 (20111224)	440.73425 (20081424)	376.26690 (20081424)
130.0	1101.79102 (20092524)	859.37323 (20092524)	732.76886 (20092524)	656.34606 (20092524)	572.01101 (20092524)
140.0	1276.39086 (20012524)	971.23631 (20012524)	781.09037 (20012524)	662.25854 (20012524)	615.80016 (20012524)
150.0	1021.32087 (20041524)	813.09359 (20041524)	665.97265 (20041524)	536.62481 (20041524)	458.81188 (20041524)
160.0	1009.88636 (20122124)	812.98172 (20122124)	670.08156 (20122124)	554.69793 (20122124)	476.67856 (20122124)

170.0 | 905.64862 (20011608) 704.52254 (20011608) 569.55234 (20011608) 490.49797 (20020824) 400.38242 (20011608)
180.0 | 817.28373 (20010108) 658.80704 (20010108) 534.50473 (20010108) 446.89155 (20010108) 377.63696 (20010108)
190.0 | 868.37919 (20010108) 703.16328 (20010108) 583.32723 (20010108) 492.41258 (20010108) 419.60351 (20010108)
200.0 | 817.36255c(20112408) 654.65070 (20120908) 536.95610 (20120908) 453.00720 (20120908) 388.62384 (20120908)
210.0 | 949.36415c(20112408) 775.73805c(20112408) 636.04139c(20112408) 540.89910c(20112408) 457.17779 (20122308)
220.0 | 862.57923 (20121824) 687.12571 (20121824) 598.76064 (20121824) 482.42620 (20121824) 409.65985 (20121824)
230.0 | 793.83385 (20021908) 629.29843 (20021908) 513.30190 (20021908) 425.46848 (20021908) 366.30765 (20021908)
240.0 | 958.48207 (20121108) 757.82402 (20121108) 618.49070 (20121108) 521.52200 (20121108) 448.26214 (20121108)
250.0 | 814.30942 (20121108) 649.28225 (20121108) 532.20309 (20121108) 439.69791 (20121108) 371.10281 (20121108)
260.0 | 774.58697 (20091424) 618.70458 (20102324) 513.67480 (20102324) 431.54764 (20102324) 371.57063 (20100808)
270.0 | 782.01611 (20011324) 628.93896 (20011324) 518.92173 (20011324) 437.13814 (20011324) 371.91800 (20011324)
280.0 | 1017.44449c(20081408) 827.51315c(20081408) 682.82934c(20081408) 571.74460c(20081408) 495.57792c(20081408)
290.0 | 875.80810 (20020308) 702.20472 (20020308) 577.24872 (20020308) 483.97225 (20020308) 417.51366 (20020308)
300.0 | 845.71235 (20022408) 683.64769 (20022408) 562.20309 (20022408) 475.29054m(20123124) 406.75963m(20123124)
310.0 | 760.82396c(20021208) 613.05595c(20021208) 505.68926c(20021208) 424.46540c(20021208) 365.28882c(20021208)
320.0 | 852.84539c(20121008) 693.99014c(20121008) 583.17747 (20030408) 500.24206 (20030408) 431.96418 (20030408)
330.0 | 754.88677 (20030408) 614.82273 (20030408) 497.28841 (20030408) 419.67248 (20030408) 356.20253 (20030408)
340.0 | 776.19314 (20011908) 629.27667 (20011908) 526.73496 (20011908) 447.61165 (20011908) 388.86433 (20011908)
350.0 | 615.74390 (20090524) 494.88444 (20090524) 410.71080 (20090524) 347.34267 (20090524) 298.61751 (20090524)
360.0 | 980.27180 (20120424) 776.31905 (20120424) 632.56297 (20120424) 520.23257 (20120424) 442.58990 (20120424)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	393.96646 (20121324)	342.20842 (20121324)	295.88231 (20121324)	260.38141 (20121324)	228.33078 (20121324)
20.0	374.24883 (20012424)	322.24640 (20012424)	285.81413 (20012424)	253.09114 (20012424)	225.49384 (20012424)

30.0 | 306.89597 (20102924) 270.41712 (20102924) 239.69752 (20102924) 215.71920 (20102924) 194.12523 (20102924)
40.0 | 242.53506 (20041424) 211.38963 (20041424) 185.59561 (20041424) 167.33204 (20041424) 151.37042 (20041424)
50.0 | 274.75414 (20070424) 243.00612 (20070424) 217.87346 (20070424) 192.67038 (20070424) 174.08836 (20070424)
60.0 | 282.10446 (20070424) 246.87405 (20070424) 216.80250 (20070424) 196.79268 (20070424) 175.83223 (20070424)
70.0 | 326.88999 (20082724) 288.56225 (20082724) 257.57718 (20082724) 232.32799 (20082724) 210.95583 (20082724)
80.0 | 337.92029 (20071124) 297.58583 (20071124) 264.21119 (20071124) 236.40745 (20071124) 211.98375 (20071124)
90.0 | 300.60210 (20092424) 261.37632 (20092424) 235.81656 (20092424) 210.61546 (20092424) 187.92787 (20092424)
100.0 | 311.72938 (20092424) 276.93757 (20092424) 248.68908 (20092424) 222.16203 (20092424) 202.05059 (20092424)
110.0 | 287.71371 (20101124) 254.21920 (20101124) 219.74451 (20101124) 194.48687 (20101124) 172.29428 (20101124)
120.0 | 328.94021 (20081424) 286.03846 (20111224) 253.84183 (20020224) 230.71901 (20020224) 206.53698 (20020224)
130.0 | 501.70231 (20092524) 436.77811 (20092524) 384.26466 (20092524) 343.79689 (20092524) 312.29239 (20092524)
140.0 | 538.03298 (20012524) 472.80850 (20012524) 417.87862 (20012524) 377.61446 (20012524) 347.23164 (20012524)
150.0 | 420.02698 (20041524) 367.00123 (20041524) 325.92707 (20041524) 292.40977 (20041524) 267.97898 (20041524)
160.0 | 404.08277 (20122124) 354.15034 (20122124) 327.09275 (20122124) 296.57239 (20122124) 265.36390 (20122124)
170.0 | 349.02138 (20020824) 302.09700 (20011608) 262.24754 (20011608) 237.72308 (20020824) 223.86796 (20020824)
180.0 | 334.24993 (20010108) 287.76979 (20010108) 243.57609 (20100124) 218.77881 (20100124) 206.38791 (20100124)
190.0 | 368.65724 (20010108) 328.68673 (20010108) 284.53395 (20010108) 261.47885 (20010108) 215.05951 (20010108)
200.0 | 341.32320 (20120908) 299.54937 (20120908) 266.98834 (20120908) 246.84726 (20120908) 230.03832 (20032108)
210.0 | 400.09015 (20122308) 350.43524 (20122308) 315.69255 (20122308) 281.43036 (20122308) 271.33827c(20112408)
220.0 | 350.40075 (20121824) 303.12790 (20121824) 266.16836 (20121824) 244.80969 (20121824) 223.13860 (20121824)
230.0 | 322.40352 (20021908) 284.17658 (20021908) 244.15857 (20021908) 222.22231 (20021908) 192.67920 (20021908)
240.0 | 391.29272 (20122724) 340.96548 (20121108) 299.39685 (20121108) 267.95135 (20121108) 235.48809 (20121108)
250.0 | 322.18978 (20121108) 281.85471 (20121108) 251.92012 (20121108) 220.06112 (20121108) 194.47536 (20121108)
260.0 | 326.38415 (20100808) 289.80452 (20100808) 259.18329 (20100808) 232.65179 (20100808) 210.58977 (20100808)
270.0 | 326.70069 (20011324) 288.76923 (20011324) 258.08109 (20011324) 230.59209 (20011324) 210.16369 (20011324)
280.0 | 425.76272c(20081408) 390.58981c(20081408) 360.79388c(20081408) 331.95954c(20081408) 310.70584c(20081408)
290.0 | 377.21218 (20020308) 321.17387 (20122008) 278.60697 (20122008) 252.30782 (20122008) 224.36725 (20122008)
300.0 | 354.44739m(20123124) 312.22882m(20123124) 273.83761m(20123124) 244.18372m(20123124) 223.21421m(20123124)
310.0 | 320.48899c(20021208) 276.35384c(20021208) 249.21826c(20021208) 225.68224c(20021208) 200.62284c(20021208)
320.0 | 379.42079 (20030408) 340.69016 (20030408) 303.92112 (20030408) 274.36776 (20030408) 249.53127 (20030408)
330.0 | 306.64256 (20030408) 272.08658 (20030408) 243.62470 (20030408) 215.30906 (20030408) 194.93134 (20030408)

340.0 | 342.53188 (20011908) 304.15189 (20011908) 272.59173 (20011908) 245.60158 (20011908) 221.53844 (20011908)
350.0 | 260.18335 (20090524) 230.60498 (20090524) 205.89580 (20090524) 185.22215 (20090524) 168.12104 (20090524)
360.0 | 383.32315 (20120424) 333.73105 (20120424) 294.07325 (20021224) 263.16094 (20021224) 235.82533 (20120424)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	207.07049 (20121624)	189.55549 (20121624)	175.37692 (20121624)	161.92443 (20121624)	149.20926 (20121624)
20.0	202.73553 (20012424)	186.59226 (20012424)	166.50605 (20012424)	146.97376 (20012424)	137.90089 (20012424)
30.0	176.31353 (20102924)	161.36454 (20102924)	147.98492 (20102924)	136.50210 (20102924)	127.02613 (20102924)
40.0	136.38483 (20041424)	123.22005 (20041424)	110.89333 (20041424)	102.07310 (20120424)	95.15133 (20120424)
50.0	157.85460 (20070424)	145.66361 (20070424)	133.74067 (20070424)	123.33769 (20070424)	110.84215 (20070424)
60.0	159.50434 (20070424)	147.46746 (20070424)	133.87384 (20070424)	123.64672 (20070424)	115.20324 (20070424)
70.0	192.15830 (20082724)	174.81304 (20082724)	159.87476 (20082724)	147.41096 (20082724)	139.30815 (20082724)
80.0	190.44595 (20071124)	172.20523 (20071124)	158.17213 (20071124)	144.78419 (20071124)	135.61004 (20071124)
90.0	168.29069 (20092424)	151.25589 (20092424)	139.85328 (20092424)	126.91176 (20092424)	119.00977 (20092424)
100.0	185.98677 (20092424)	170.59590 (20092424)	157.24373 (20092424)	144.20500 (20092424)	132.83910 (20092424)
110.0	153.22992 (20101124)	139.97922 (20101124)	129.15874 (20080408)	119.00691 (20080408)	110.94650 (20080408)
120.0	188.98796 (20020224)	173.66797 (20020224)	158.49469 (20020224)	145.49040 (20020224)	135.53347 (20020224)
130.0	288.26086 (20092524)	267.59262 (20092524)	244.74368c(20112824)	224.08933c(20112824)	205.87903c(20112824)
140.0	317.43870 (20012524)	292.22341 (20012524)	268.96484 (20012524)	252.12538 (20012524)	233.38590 (20012524)
150.0	244.90508 (20041524)	220.44709 (20041524)	201.04458 (20041524)	187.47647 (20041524)	173.06995 (20041524)
160.0	233.88849 (20122124)	220.02713 (20122124)	202.88806 (20122124)	185.62488 (20122124)	170.25465 (20122124)
170.0	201.58160 (20020824)	182.88487 (20020824)	171.39513 (20020824)	160.46574 (20020824)	151.04685 (20020824)
180.0	187.49977 (20112324)	169.75438 (20010108)	154.77663 (20010108)	144.17135 (20010108)	135.23194 (20010108)
190.0	196.84129 (20010108)	178.96985 (20010108)	163.22987 (20010108)	165.69324 (20010108)	154.77972 (20010108)

200.0 | 203.05158 (20120908) 166.55247 (20120908) 153.99070 (20120908) 151.50508 (20120908) 140.73727 (20120908)
210.0 | 211.62499 (20122308) 194.76162 (20122308) 180.10526 (20122308) 181.08477 (20122308) 170.85854 (20122308)
220.0 | 214.49272 (20121824) 165.15736 (20121824) 152.58001 (20121824) 141.44320 (20121824) 141.23612 (20121824)
230.0 | 179.42688 (20021908) 163.33136 (20021908) 148.42261 (20021908) 136.56758 (20021908) 125.22428 (20021908)
240.0 | 213.39981 (20121108) 193.33598 (20121108) 173.67105 (20121108) 154.77550 (20121108) 148.83472 (20121108)
250.0 | 175.78073 (20121108) 159.06838 (20121108) 148.78962 (20121108) 131.55308 (20121108) 123.41302 (20121108)
260.0 | 192.86526 (20091424) 174.14639 (20091424) 158.63833 (20091424) 144.39825 (20091424) 135.94875 (20091424)
270.0 | 189.67216 (20011324) 172.12577 (20011324) 157.01474 (20011324) 144.18416 (20011324) 134.25012 (20011324)
280.0 | 279.51785c(20081408) 251.69512c(20081408) 231.92367c(20081408) 216.82179c(20081408) 204.99565c(20081408)
290.0 | 200.99925c(20011508) 185.65352c(20011508) 172.29781c(20011508) 161.62625c(20011508) 150.47607c(20011508)
300.0 | 202.21468m(20123124) 185.77237m(20123124) 170.94309m(20123124) 154.74034m(20123124) 145.44807m(20123124)
310.0 | 183.41374c(20021208) 165.60600 (20122324) 152.72024 (20122324) 139.29033 (20122324) 129.07779 (20122324)
320.0 | 226.86644 (20030408) 207.32579 (20030408) 191.53591 (20112524) 176.67072 (20030408) 163.80312 (20112524)
330.0 | 176.01151 (20030408) 158.23212 (20030408) 146.05880 (20030408) 134.90165 (20030408) 123.80945 (20030408)
340.0 | 201.38200 (20011908) 185.37979 (20011908) 167.61417 (20011908) 154.69650 (20011908) 145.35142 (20011908)
350.0 | 154.66947 (20090524) 141.62298 (20090524) 130.82337 (20090524) 121.13894 (20090524) 113.01131 (20090524)
360.0 | 214.97432 (20021224) 198.23837 (20021224) 183.71597 (20021224) 170.51715 (20021224) 158.73379 (20021224)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 2ND HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)
TANK	375.70	118.90	1590.25694	(20111224)	TANK	498.87	129.50	1402.15477	(20092524)
TANK	81.43	359.00	10412.57348	(20010224)	TANK	116.79	44.50	6577.81138	(20082824)
TANK	109.20	67.00	8345.26090m	(20112624)	TANK	100.70	93.73	7615.62074	(20092424)
TANK	87.91	103.99	8309.14605	(20101124)	TANK	99.82	123.38	9527.18074	(20022824)
TANK	138.00	141.00	7965.01348	(20012524)	TANK	106.00	180.00	7330.48178	(20112324)
TANK	115.60	206.00	7612.14553	(20093024)	TANK	54.00	270.00	17661.93765	(20020308)
TANK	97.00	326.00	8878.68909	(20112524)	TANK	133.94	242.10	6939.40420	(20121108)
TANK	101.99	301.65	7794.10556	(20081724)	TANK	236.54	274.95	3113.49040c	(20081408)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 100.00	200.00	300.00	400.00	500.00
10.0	11557.57046 (20120424)	4518.31354 (20120424)	2554.75219 (20120424)	1685.38524 (20120424)	1209.21027 (20120424)
20.0	7322.01359 (20020416)	3224.81481 (20112924)	1941.03834 (20112924)	1328.34244 (20112924)	982.01722 (20112924)
30.0	7641.20548 (20042524)	3058.54769 (20102924)	1837.65204 (20102924)	1261.06079 (20102924)	913.98465 (20121324)
40.0	7391.09085 (20101116)	2830.74574 (20082824)	1511.91316 (20082824)	1000.46229 (20041424)	739.50147 (20041424)
50.0	7531.86033 (20020424)	2844.14876 (20020424)	1666.50859 (20070424)	1125.23145 (20050824)	808.79559 (20050824)
60.0	7382.06481 (20032824)	3096.58168 (20070424)	1799.50173 (20050824)	1211.50483 (20050824)	870.83777 (20050824)
70.0	9325.58190 (20071124)	3649.12071 (20071124)	2059.11548 (20071124)	1351.48472 (20071124)	980.05409 (20082724)
80.0	8937.17088 (20091816)	3083.61979m(20112624)	1800.92217m(20112624)	1184.17367m(20112624)	849.76847m(20112624)
90.0	7366.44759c(20091808)	3012.08889 (20021824)	1769.48258 (20021824)	1174.41842 (20021824)	836.83741 (20021824)
100.0	6757.80033 (20071116)	2832.70640 (20121424)	1593.06359 (20121424)	1033.92697 (20121424)	746.25385 (20121424)
110.0	7651.08022 (20101124)	3144.64243 (20010724)	1869.24543 (20121224)	1260.82630 (20121224)	888.57530 (20020224)
120.0	8828.77352 (20081424)	3862.75497 (20111224)	2220.06685 (20022824)	1456.04964 (20022824)	1051.59173 (20081424)
130.0	9540.32032 (20020124)	4330.26248 (20092524)	2715.91985 (20012524)	1804.92167 (20012524)	1332.16982 (20111224)
140.0	10748.05728 (20120824)	4531.23813 (20092624)	2713.48187 (20092624)	1837.44232 (20101324)	1345.84847 (20092624)
150.0	9784.64795 (20011608)	4168.40136 (20101208)	2448.06609 (20101208)	1654.50939 (20101208)	1204.50607 (20101208)
160.0	9020.26723 (20042108)	4101.01293 (20122124)	2572.12853 (20120824)	1698.31472 (20120824)	1221.02498 (20120824)
170.0	8024.52314 (20112324)	3431.60627 (20020824)	2087.25213 (20020824)	1425.88158 (20020824)	1067.19004 (20020824)
180.0	7738.22271 (20112324)	3583.22948 (20010108)	1984.92146 (20072524)	1355.67399 (20100124)	1003.81435 (20100124)
190.0	8230.45126 (20072524)	3369.54944 (20111624)	1936.24440 (20111624)	1279.81988 (20111624)	927.13250 (20111624)
200.0	8135.50082 (20122308)	3491.52772 (20111724)	2073.44478 (20122308)	1414.46101 (20120908)	1042.37061 (20120908)
210.0	8938.28807 (20122308)	3939.71963 (20121824)	2334.23213c(20112408)	1557.60040m(20013024)	1131.61418 (20123008)
220.0	8337.04259 (20120224)	3588.11922 (20120224)	2022.98657 (20120224)	1338.08908 (20010824)	973.48799 (20010824)
230.0	8605.30991 (20112708)	3590.11753 (20112708)	2043.65676 (20021908)	1367.30567 (20120324)	996.52698 (20120324)

240.0 | 9222.41825 (20030108) 4076.42142 (20120324) 2380.14117 (20120324) 1585.63650 (20120324)
1150.45525 (20120324)
250.0 | 8414.29371 (20120324) 3526.44214 (20120324) 2013.04355 (20120324) 1327.65659 (20120324)
940.91481 (20120324)
260.0 | 7138.94772 (20100808) 3102.33095 (20100808) 1848.45974 (20100808) 1269.20981 (20100808)
941.23226 (20100808)
270.0 | 7877.26454 (20103124) 3308.74302 (20011324) 1990.56496 (20011324) 1357.66760 (20011324) 960.79048
(20122008)
280.0 | 9447.29821c(20081408) 3816.20863 (20020308) 2122.84809 (20020308) 1398.90626 (20020308)
988.04381 (20020308)
290.0 | 8619.03910c(20081408) 3429.93313c(20081408) 2002.66527 (20112608) 1382.67683 (20112608)
1021.06440 (20112608)
300.0 | 7910.30598m(20123124) 3452.72086 (20011824) 2053.41209 (20011824) 1398.35512 (20011824)
1028.13315 (20011824)
310.0 | 7530.11230m(20123124) 3192.79976c(20021208) 1955.33993c(20021208) 1334.22931c(20021208)
984.49131 (20011824)
320.0 | 7799.48960c(20121008) 3281.89340 (20030408) 2049.39493 (20030408) 1443.84699 (20030408)
1086.66996 (20030408)
330.0 | 7043.48214 (20082216) 2716.09556 (20030308) 1642.49711 (20030308) 1141.88502 (20030308) 848.36116
(20030308)
340.0 | 6543.64350 (20012924) 2913.16474 (20012924) 1714.72249 (20012924) 1172.02879 (20021308)
880.34641 (20021308)
350.0 | 6714.69377 (20120424) 2768.09693 (20090524) 1579.43906 (20012924) 1067.76635 (20012924)
777.76488 (20012924)
360.0 | 8248.47395 (20021324) 3407.45382 (20010224) 2005.52502 (20021224) 1412.14545 (20021224)
1071.69126 (20021224)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION	DISTANCE (METERS)				
(DEGREES)	600.00	700.00	800.00	900.00	1000.00
10.0	919.33115 (20120424)	722.38777 (20120424)	583.01435 (20120424)	489.42553 (20120424)	412.40001 (20120424)
20.0	758.60965 (20112924)	613.26534 (20112924)	507.26387 (20112924)	428.47947 (20112924)	362.94816 (20112924)
30.0	700.38017 (20041424)	569.55613 (20041424)	473.40729 (20041424)	400.89783 (20041424)	342.93015 (20041424)
40.0	573.93251 (20041424)	474.21784 (20041424)	389.51157 (20102924)	318.28637 (20102924)	269.27102 (20102924)
50.0	619.13917 (20050824)	501.62043 (20050824)	407.36735 (20050824)	336.30672 (20050824)	283.76340 (20050824)
60.0	672.91732 (20050824)	530.68682 (20050824)	429.36291 (20050824)	354.97502 (20050824)	310.85858 (20050824)
70.0	750.62869 (20082724)	591.91866 (20082724)	482.65844 (20082724)	410.06054 (20062424)	354.55424 (20062424)
80.0	644.85298m(20112624)	504.30881m(20112624)	406.06136m(20112624)	348.65342 (20052024)	304.43841 (20052024)
90.0	630.29107 (20021824)	497.57029 (20021824)	389.76416 (20021824)	314.64172 (20021824)	250.87807 (20021824)

100.0	541.68149 (20010724)	430.96682 (20121424)	345.74857 (20010724)	289.41559 (20010724)	248.25998 (20010724)
110.0	669.61940c(20091808)	524.01059 (20020224)	431.02143c(20091808)	366.61129c(20091808)	315.46227c(20091808)
120.0	793.50014 (20081424)	614.32458 (20081424)	519.19988 (20081424)	434.13699 (20010424)	375.70533 (20111224)
130.0	1032.39580 (20111224)	816.17587 (20111224)	682.17003 (20111224)	591.22910 (20022824)	514.00137 (20022824)
140.0	1036.44060 (20020124)	804.54426 (20101324)	646.95589 (20020124)	547.96532 (20020124)	499.04763 (20091824)
150.0	915.92795 (20101208)	724.24682 (20101208)	590.80991 (20101208)	473.52214 (20101208)	403.53839 (20101208)
160.0	919.65543 (20120824)	737.14949 (20111308)	602.95425 (20111308)	497.13012 (20111308)	430.84875 (20111308)
170.0	834.67046 (20020824)	676.81955 (20020824)	558.29901 (20020824)	450.26396 (20011608)	394.05969 (20020824)
180.0	781.92016 (20100124)	630.07866 (20100124)	521.78749 (20100124)	440.81475 (20100124)	375.81330 (20100124)
190.0	707.98473 (20111624)	565.89062 (20111624)	459.51302 (20111624)	384.19482 (20111624)	327.93151 (20111624)
200.0	813.12916 (20120908)	653.63455c(20112408)	530.48544c(20112408)	441.59124c(20112408)	378.22285c(20112408)
210.0	890.45758 (20123008)	737.97540 (20123008)	597.90430 (20123008)	506.03834 (20123008)	425.72460 (20123008)
220.0	749.73242 (20010824)	601.76142 (20011808)	522.21730 (20011808)	416.24060 (20011808)	356.46500 (20011808)
230.0	754.48790 (20120324)	596.97000 (20120324)	476.41075 (20011808)	402.80453 (20011808)	344.08454 (20011808)
240.0	892.37484 (20120324)	708.12548 (20120324)	577.25204 (20120324)	483.07698 (20120324)	404.06935 (20120324)
250.0	723.55115 (20120324)	572.72932 (20120324)	471.28506 (20120324)	388.13620 (20120324)	329.38351 (20120324)
260.0	738.33856 (20100808)	599.74075 (20100808)	500.27719 (20100808)	429.25448 (20100808)	368.05698 (20102324)
270.0	707.90558 (20122008)	551.86212 (20122008)	443.91927 (20090408)	372.01189m(20010924)	316.31112m(20010924)
280.0	756.06813 (20020308)	611.72133 (20111508)	504.35290 (20111508)	423.73368 (20111508)	365.77904 (20111508)
290.0	788.10027 (20112608)	639.11761 (20112608)	523.80015 (20112608)	442.10065 (20112608)	383.60808 (20112608)
300.0	792.29739 (20011824)	631.98308 (20011824)	515.11327 (20011824)	431.83263 (20011824)	363.91475 (20011824)
310.0	760.69460 (20011824)	600.11033 (20011824)	492.77755 (20011824)	407.12063 (20011824)	350.20002 (20011824)
320.0	852.44255 (20030408)	693.98017 (20030408)	572.10642c(20121008)	491.37464c(20121008)	421.34828c(20121008)
330.0	661.34240 (20030308)	538.05735 (20030308)	446.86364 (20030308)	374.53415 (20030308)	323.98539 (20030308)
340.0	672.57008 (20021308)	543.01811 (20021308)	441.93732 (20102824)	377.81005 (20102824)	328.04760 (20102824)
350.0	599.80902 (20012924)	483.53798 (20122408)	397.45353 (20122408)	342.43713 (20122408)	291.89715 (20122408)
360.0	849.96493 (20021224)	688.58070 (20021224)	567.31894 (20021224)	483.66639 (20021224)	420.39335 (20021224)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22

*** AERMET - VERSION 19191 *** *** *** 15:17:51

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1100.00	1200.00	1300.00	1400.00	1500.00
10.0	355.05892 (20120424)	311.73250 (20121624)	280.08146 (20121624)	252.21358 (20121624)	228.04013 (20121624)
20.0	314.09790 (20112924)	277.62068 (20112924)	246.29533 (20112924)	219.51771 (20112924)	198.32624 (20112924)
30.0	295.98812 (20041424)	259.39002 (20041424)	232.36215 (20041424)	209.91310 (20041424)	189.57571 (20041424)
40.0	237.28274 (20102924)	199.61124 (20102924)	175.53548 (20102924)	156.50430 (20102924)	141.08554 (20120424)
50.0	250.14808 (20050824)	220.79586 (20050824)	194.29996 (20050824)	171.72842 (20050824)	156.30252 (20050824)
60.0	265.42024 (20050824)	231.70080 (20050824)	208.81643 (20050824)	187.54085 (20050824)	164.81003 (20050824)
70.0	309.82262 (20062424)	272.94766 (20062424)	243.09049 (20062424)	218.70502 (20062424)	198.29086 (20062424)
80.0	268.74315 (20052024)	239.75805 (20052024)	215.46278 (20052024)	194.01429 (20052024)	176.17077 (20052024)
90.0	213.41795 (20021824)	185.54387 (20021824)	155.63414 (20021824)	135.94147 (20021824)	122.22909 (20021824)
100.0	213.46556 (20010724)	187.71595 (20010724)	171.20405 (20010724)	154.72354 (20010724)	139.95109 (20010724)
110.0	263.48662c(20091808)	235.39011c(20091808)	207.32983c(20091808)	186.35271 (20080408)	171.16134 (20080408)
120.0	325.42993 (20010424)	282.58952 (20010424)	253.43831 (20010424)	228.36502 (20010424)	204.01329 (20010424)
130.0	449.94730 (20022824)	392.35862 (20022824)	346.08587 (20111224)	309.85647 (20111224)	280.51448 (20111224)
140.0	437.65620 (20091824)	389.34496 (20091824)	347.48536 (20091824)	316.05183 (20091824)	290.96232 (20091824)
150.0	386.37306 (20101208)	337.05103 (20101208)	300.37601 (20101208)	271.24205 (20101208)	254.22769 (20101208)
160.0	360.58783 (20111308)	315.82231 (20111308)	297.02703 (20111308)	268.24455 (20111308)	239.56302 (20111308)
170.0	340.08111 (20011608)	287.60411 (20020824)	257.67039 (20020824)	234.38792 (20012508)	218.16885 (20012508)
180.0	329.15421 (20100124)	284.77774 (20100124)	243.48938 (20010108)	213.58597 (20010108)	204.17991 (20010108)
190.0	285.95572 (20111624)	248.84376 (20111624)	217.47842 (20111624)	197.15838 (20111624)	162.38817 (20111624)
200.0	332.17027c(20112408)	292.52694c(20112408)	258.00460c(20112408)	234.99998 (20032108)	222.35682 (20120908)
210.0	371.97236 (20123008)	326.17672 (20123008)	294.15265 (20123008)	263.24140 (20123008)	256.37863 (20123008)
220.0	304.08256 (20011808)	262.29834 (20011808)	232.21594 (20011808)	215.45887 (20011808)	196.67677 (20011808)
230.0	300.58414 (20011808)	264.99708 (20011808)	228.04799 (20011808)	207.47381 (20011808)	180.10052 (20011808)
240.0	348.54268 (20120324)	305.30612 (20120324)	271.82874 (20120324)	243.03350 (20120324)	216.38386 (20120324)
250.0	283.65390 (20120324)	248.86598 (20090208)	222.25929 (20090208)	200.10165 (20090208)	180.21708 (20090208)
260.0	319.06862 (20102324)	278.42094 (20102324)	244.42910 (20102324)	218.00560 (20102324)	196.75758 (20102324)

270.0 | 276.39733m(20010924) 242.22523m(20010924) 217.58611 (20090408) 197.75280 (20090408) 177.44209 (20090408)
280.0 | 315.53383 (20111508) 286.07821 (20111508) 263.55597 (20092508) 242.15465 (20092508) 226.03279 (20092508)
290.0 | 334.51084 (20112608) 297.67278 (20112608) 264.30651c(20011508) 239.40436c(20011508) 218.32032c(20011508)
300.0 | 313.57364 (20011824) 274.34470 (20011824) 241.90289 (20011824) 211.67192 (20011824) 192.76082 (20011824)
310.0 | 304.53789c(20121008) 269.82982 (20122324) 245.48724 (20122324) 221.81305 (20122324) 195.58180 (20122324)
320.0 | 366.92180c(20121008) 326.10679c(20121008) 294.91720c(20121008) 262.77593c(20121008) 237.13133c(20121008)
330.0 | 285.25456 (20030308) 253.49401 (20030308) 225.60641 (20030308) 201.97766 (20030308) 184.11880 (20030308)
340.0 | 288.77193 (20102824) 256.57271 (20102824) 230.05185 (20102824) 208.91084 (20102824) 192.11118 (20102824)
350.0 | 252.89341 (20122408) 225.55585 (20122408) 202.44904 (20122408) 182.50611 (20122408) 162.40517 (20122408)
360.0 | 369.78499 (20021224) 329.37960 (20021224) 293.69343 (20120424) 261.88681 (20120424) 235.82468 (20021224)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	DISTANCE (METERS) 1600.00	1700.00	1800.00	1900.00	2000.00
10.0	206.06936 (20121324)	185.79475 (20121324)	167.41127 (20121324)	153.96279 (20121324)	143.34479 (20121324)
20.0	179.96100 (20112924)	163.46649 (20112924)	150.26061 (20112924)	140.07091 (20112924)	129.76538 (20112924)
30.0	172.63230 (20041424)	158.69518 (20041424)	145.48133 (20041424)	133.43570 (20041424)	122.31028 (20041424)
40.0	129.15169 (20120424)	118.86332 (20120424)	109.91560 (20120424)	101.30623 (20041424)	94.38433 (20041424)
50.0	141.66822 (20050824)	127.32097 (20050824)	116.60503 (20050824)	107.48401 (20050824)	100.54972 (20050824)
60.0	150.28797 (20050824)	139.24372 (20120508)	126.08097 (20050824)	116.43352 (20050824)	108.73626 (20050824)
70.0	181.31971 (20062424)	165.35671 (20062424)	151.23588 (20062424)	138.88862 (20062424)	129.87456 (20062424)
80.0	161.11764 (20052024)	147.75820 (20052024)	134.19564 (20052024)	127.51336 (20052024)	119.25388 (20052024)
90.0	110.30803 (20041824)	101.02514 (20041824)	91.48741 (20021824)	84.48050 (20041824)	78.44632 (20041824)
100.0	128.05105 (20010724)	117.26486 (20010724)	108.41062 (20010724)	98.69192 (20010724)	92.44097 (20010724)
110.0	153.21880 (20080408)	139.83975 (20080408)	128.91584 (20101124)	118.40610 (20101124)	109.82792 (20101124)
120.0	185.14971 (20010424)	169.14090 (20081424)	157.38896 (20010424)	145.42443 (20010424)	135.23486 (20010424)

130.0	257.51735 (20022824)	237.45377 (20022824)	220.77703 (20022824)	208.44018 (20022824)	192.25708 (20022824)
140.0	265.67530 (20091824)	246.00089 (20091824)	227.38351 (20091824)	213.07636 (20091824)	197.43454 (20091824)
150.0	232.76132 (20101208)	206.81557 (20101208)	193.53607 (20101208)	177.69633 (20101208)	164.87603 (20101208)
160.0	210.41753 (20111308)	195.18011 (20111308)	181.03968 (20111308)	169.60609 (20111308)	155.89842 (20111308)
170.0	196.03190 (20012508)	179.94718 (20012508)	166.15790 (20012508)	153.06185 (20012508)	142.29397 (20012508)
180.0	187.48015 (20010108)	169.37009 (20112324)	153.15174 (20112324)	139.87190 (20112324)	128.25202 (20120808)
190.0	147.93860 (20111624)	135.53622 (20111624)	124.87940 (20111624)	126.56835 (20122224)	117.35612 (20122224)
200.0	201.20413 (20032108)	162.66455c(20112408)	150.37567c(20112408)	144.81171 (20032108)	135.87558 (20032108)
210.0	199.46221 (20123008)	182.46878 (20123008)	168.61668 (20123008)	172.38030 (20123008)	161.63662 (20123008)
220.0	193.91843 (20011808)	144.94292 (20010824)	132.49933 (20011808)	123.02457 (20011808)	124.86281 (20011808)
230.0	167.61452 (20011808)	156.28661 (20011808)	142.53473 (20011808)	127.61965 (20011808)	119.04856 (20011808)
240.0	195.42775 (20120324)	177.33519 (20120324)	156.68414 (20120324)	142.80687 (20120324)	136.38621 (20120324)
250.0	164.78515 (20090208)	148.90592 (20090208)	137.81853 (20090208)	123.92847 (20090208)	110.76222 (20090208)
260.0	179.24641 (20102324)	161.63685 (20102324)	147.32127 (20102324)	134.24304 (20102324)	126.15818 (20102324)
270.0	159.89682m(20010924)	145.68831 (20090408)	133.00583m(20010924)	123.65449 (20090408)	115.95072 (20090408)
280.0	203.83597 (20092508)	183.95037 (20092508)	169.57492 (20092508)	158.48032 (20092508)	149.56140 (20092508)
290.0	197.09442 (20122008)	177.79061 (20020408)	165.08721 (20020408)	155.29745 (20020408)	144.48944 (20020408)
300.0	175.05549 (20011824)	158.09230 (20011824)	145.56267 (20082808)	135.45754 (20082808)	128.62359 (20082808)
310.0	181.41356 (20122324)	164.79022c(20021208)	149.73375c(20021208)	137.47965c(20021208)	127.26894c(20021208)
320.0	213.18052c(20121008)	193.93749c(20121008)	185.10802c(20121008)	165.75044c(20121008)	154.08144c(20121008)
330.0	168.62695 (20030308)	155.06422 (20030308)	141.96315 (20030308)	129.46932 (20030308)	121.25333 (20030308)
340.0	174.10248 (20102824)	160.85800 (20102824)	144.13449 (20102824)	133.86795 (20102824)	125.95648 (20102824)
350.0	149.63994 (20041408)	137.62508 (20041408)	127.59692 (20041408)	118.43699 (20041408)	110.68928 (20041408)
360.0	214.03443 (20120424)	194.52934 (20120424)	176.33361 (20120424)	161.45845 (20120424)	148.47824 (20120424)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 3RD HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)	ORIGIN SRCID	DIST (M)	DIR (DEG)	CONC	(YYMMDDHH)
TANK :	375.70	118.90	1550.55277	(20081424)	TANK :	498.87	129.50	1343.40048	(20111224)
TANK :	81.43	359.00	9770.28596	(20121324)	TANK :	116.79	44.50	6427.92732	(20020424)
TANK :	109.20	67.00	7500.77581	(20062424)	TANK :	100.70	93.73	6953.07561	(20101216)
TANK :	87.91	103.99	8182.71869	(20020224)	TANK :	99.82	123.38	9035.78403	(20111224)
TANK :	138.00	141.00	7580.50266	(20120824)	TANK :	106.00	180.00	7253.78292	(20010108)
TANK :	115.60	206.00	7372.33836m	(20013024)	TANK :	54.00	270.00	16079.32276	(20052416)
TANK :	97.00	326.00	7954.72482	(20091416)	TANK :	133.94	242.10	6530.53033	(20120324)
TANK :	101.99	301.65	7487.76628	(20011824)	TANK :	236.54	274.95	2757.94464	(20103124)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	70152.25347	(20092607) AT (	-54.00, -0.00) DP	26.	47091.04016	(20090406) AT (	-54.00, -0.00) DP
2.	66961.34885	(20020306) AT (	-54.00, -0.00) DP	27.	47038.80046	(20071721) AT (	-54.00, -0.00) DP
3.	66717.54930	(20080807) AT (	-54.00, -0.00) DP	28.	46329.48953	(20081820) AT (	-54.00, -0.00) DP
4.	58964.82693	(20021707) AT (	-54.00, -0.00) DP	29.	46314.27807	(20121307) AT (	-54.00, -0.00) DP
5.	58488.49397	(20122006) AT (	-54.00, -0.00) DP	30.	45876.30717	(20100807) AT (	-54.00, -0.00) DP
6.	58360.97862	(20062206) AT (	-54.00, -0.00) DP	31.	45682.99680	(20081407) AT (	-54.00, -0.00) DP
7.	56891.47792	(20020406) AT (	-54.00, -0.00) DP	32.	45040.82699	(20060906) AT (	-54.00, -0.00) DP
8.	56270.13676	(20080906) AT (	-54.00, -0.00) DP	33.	44755.97310	(20080407) AT (	86.60, -50.00) GP
9.	55921.70314	(20081207) AT (	-54.00, -0.00) DP	34.	44419.68088	(20080406) AT (	34.20, -93.97) GP
10.	55371.29867	(20121919) AT (	-54.00, -0.00) DP	35.	44206.70134	(20042107) AT (	64.28, -76.60) GP
11.	54811.25106	(20080407) AT (	85.30, -21.25) DP	36.	44113.00355	(20122007) AT (	-54.00, -0.00) DP
12.	53857.75765	(20081406) AT (	-54.00, -0.00) DP	37.	44000.38506	(20011606) AT (	34.20, -93.97) GP
13.	53357.57413	(20051021) AT (	-54.00, -0.00) DP	38.	43090.73646	(20042107) AT (	50.00, -86.60) GP
14.	52588.65975	(20080407) AT (	93.97, -34.20) GP	39.	42776.80817	(20011319) AT (	-54.00, -0.00) DP
15.	52577.44919	(20080806) AT (	-54.00, -0.00) DP	40.	42356.04826	(20090920) AT (	-54.00, -0.00) DP
16.	52121.92269	(20050306) AT (	-54.00, -0.00) DP	41.	42257.86595	(20072621) AT (	-54.00, -0.00) DP
17.	51709.18326	(20121920) AT (	-54.00, -0.00) DP	42.	42216.48755	(20072620) AT (	34.20, -93.97) GP
18.	51284.62524	(20122320) AT (	-54.00, -0.00) DP	43.	42197.73548	(20121918) AT (	76.60, 64.28) GP
19.	51119.21635	(20031306) AT (	-54.00, -0.00) DP	44.	41986.66106	(20121918) AT (	64.28, 76.60) GP
20.	50980.99504	(20031007) AT (	-54.00, -0.00) DP	45.	41564.16348	(20072321) AT (	-54.00, -0.00) DP
21.	49807.25483	(20031107) AT (	-54.00, -0.00) DP	46.	41416.66856	(20042106) AT (	34.20, -93.97) GP
22.	49147.26008	(20032306) AT (	-54.00, -0.00) DP	47.	41258.86670	(20072521) AT (	17.36, -98.48) GP
23.	48621.39552	(20012406) AT (	-54.00, -0.00) DP	48.	40873.35551	(20092506) AT (	-54.00, -0.00) DP
24.	47965.60727	(20122008) AT (	-54.00, -0.00) DP	49.	40677.39336	(20081020) AT (	85.30, -21.25) DP
25.	47187.46029	(20121320) AT (	34.20, 93.97) GP	50.	40512.84645	(20061606) AT (	-54.00, -0.00) DP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE MAXIMUM 50 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): TANK ,

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

RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE	RANK	CONC	(YYMMDDHH) AT	RECEPTOR (XR,YR) OF TYPE
1.	18820.88810	(20122008) AT	(-54.00, -0.00) DP	26.	12531.93607	(20091216) AT	(-54.00, -0.00) DP
2.	17661.93765	(20020308) AT	(-54.00, -0.00) DP	27.	12487.35106	(20081208) AT	(-54.00, -0.00) DP
3.	16302.02805	(20121324) AT	(34.20, 93.97) GP	28.	12481.90591	(20051416) AT	(-54.00, -0.00) DP
4.	16079.32276	(20052416) AT	(-54.00, -0.00) DP	29.	12453.63051	(20111508) AT	(-54.00, -0.00) DP
5.	16031.23587c	(20112824) AT	(76.60, -64.28) GP	30.	12416.34447	(20011608) AT	(34.20, -93.97) GP
6.	15211.91656	(20080808) AT	(-54.00, -0.00) DP	31.	12356.83304	(20100724) AT	(-54.00, -0.00) DP
7.	14924.01854	(20072224) AT	(-54.00, -0.00) DP	32.	12333.12564	(20120316) AT	(-54.00, -0.00) DP
8.	14630.11594	(20121324) AT	(17.36, 98.48) GP	33.	12292.41698	(20030916) AT	(-54.00, -0.00) DP
9.	14442.62135	(20102616) AT	(-54.00, -0.00) DP	34.	12258.63315	(20122008) AT	(-93.97, 34.20) GP
10.	14282.49757	(20121924) AT	(-54.00, -0.00) DP	35.	12229.50543	(20042816) AT	(-54.00, -0.00) DP
11.	14220.10778c	(20081408) AT	(-54.00, -0.00) DP	36.	12088.34778	(20100716) AT	(-54.00, -0.00) DP
12.	14215.22169	(20103124) AT	(-54.00, -0.00) DP	37.	12037.26848	(20051316) AT	(-54.00, -0.00) DP
13.	13481.86252	(20072016) AT	(-54.00, -0.00) DP	38.	11828.61267m	(20010924) AT	(-54.00, -0.00) DP
14.	13459.22889	(20011324) AT	(-54.00, -0.00) DP	39.	11728.53399	(20120824) AT	(50.00, -86.60) GP
15.	13337.14813	(20120424) AT	(-1.42, 81.42) DP	40.	11583.89954	(20031616) AT	(-54.00, -0.00) DP
16.	13321.48453c	(20112824) AT	(64.28, -76.60) GP	41.	11557.57046	(20120424) AT	(17.36, 98.48) GP
17.	13267.68974	(20090408) AT	(-54.00, -0.00) DP	42.	11490.15414	(20052316) AT	(-54.00, -0.00) DP
18.	13192.54080	(20100616) AT	(-54.00, -0.00) DP	43.	11484.74571	(20103116) AT	(-54.00, -0.00) DP
19.	13109.81753	(20060316) AT	(-54.00, -0.00) DP	44.	11438.55557	(20020924) AT	(-54.00, -0.00) DP
20.	13098.15884c	(20112824) AT	(83.35, -54.92) DP	45.	11433.58227	(20102316) AT	(-54.00, -0.00) DP
21.	13080.22254	(20012424) AT	(17.36, 98.48) GP	46.	11425.33722	(20081308) AT	(-54.00, -0.00) DP
22.	13067.84773	(20091424) AT	(-54.00, -0.00) DP	47.	11326.01632	(20012524) AT	(64.28, -76.60) GP
23.	13057.30737	(20100808) AT	(-54.00, -0.00) DP	48.	11248.00199	(20102624) AT	(-54.00, -0.00) DP
24.	12875.17001	(20122008) AT	(-98.48, 17.36) GP	49.	11122.16055	(20012424) AT	(34.20, 93.97) GP
25.	12582.15307	(20020408) AT	(-54.00, -0.00) DP	50.	11083.32357	(20120424) AT	(-0.00, 100.00) GP

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 *** 12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (8784 HRS) RESULTS ***

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

GROUP ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	2077.74943 AT (-54.00, -0.00, 7.66, 7.66, 0.00) DP	
	2ND HIGHEST VALUE IS	1168.57631 AT (-64.28, -76.60, 6.40, 6.40, 0.00) GP	POL1
	3RD HIGHEST VALUE IS	1167.41180 AT (-76.60, -64.28, 6.80, 6.80, 0.00) GP	POL1
	4TH HIGHEST VALUE IS	1149.57012 AT (-86.60, -50.00, 7.10, 7.10, 0.00) GP	POL1
	5TH HIGHEST VALUE IS	1136.95035 AT (-50.00, -86.60, 6.40, 6.40, 0.00) GP	POL1
	6TH HIGHEST VALUE IS	1086.09978 AT (-93.97, -34.20, 7.30, 7.30, 0.00) GP	POL1
	7TH HIGHEST VALUE IS	1036.97555 AT (-34.20, -93.97, 6.40, 6.40, 0.00) GP	POL1

8TH HIGHEST VALUE IS 991.78696 AT (-98.48, -17.36, 7.50, 7.50, 0.00) GP POL1
9TH HIGHEST VALUE IS 918.12577 AT (-50.68, -103.90, 5.94, 5.94, 0.00) DP
10TH HIGHEST VALUE IS 906.69413 AT (-100.00, -0.00, 7.80, 7.80, 0.00) GP POL1

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	70152.25347	ON 20092607: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 2ND HIGH VALUE IS	66961.34885	ON 20020306: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 3RD HIGH VALUE IS	66717.54930	ON 20080807: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
12/09/22
*** AERMET - VERSION 19191 *** *** *** 15:17:51
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	18820.88810	ON 20122008: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 2ND HIGH VALUE IS	17661.93765	ON 20020308: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	
	HIGH 3RD HIGH VALUE IS	16079.32276	ON 20052416: AT (-54.00, -0.00, 7.66, 7.66, 0.00)	DP	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR
♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** 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 144 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 57 Calm Hours Identified

A Total of 87 Missing Hours Identified (0.99 Percent)

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

******** WARNING MESSAGES ********
ME W186 356 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 356 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W531 356 MEOPEN: CAUTION! Met Station ID Missing from SURFFILE for SITEDATA

****
*** AERMOD Finishes Successfully ***
****

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