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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@pacskon.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

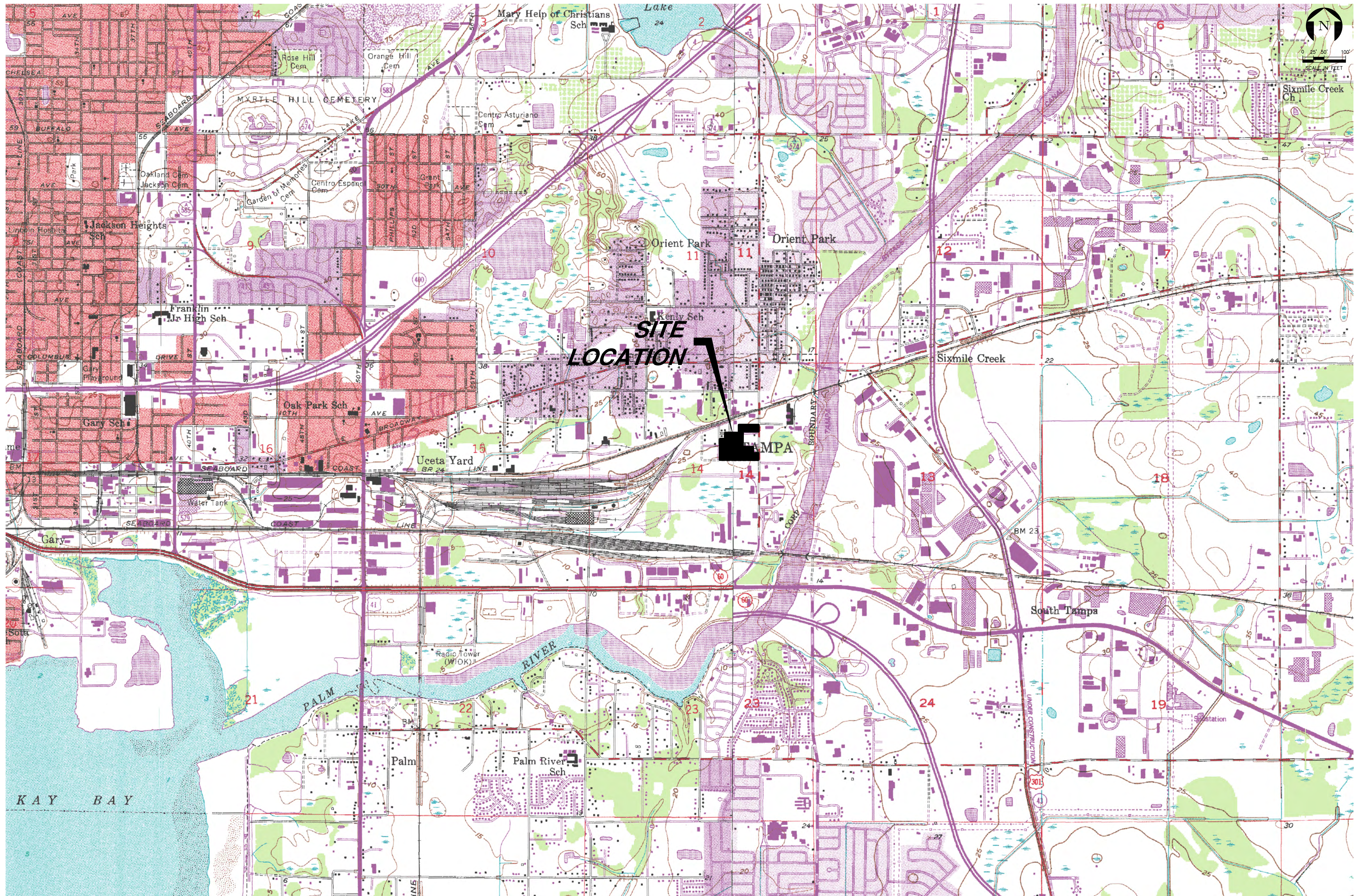
Attachment A – Executed Forms & Supporting Information

Attachment B – Airborne Contaminant Risk Assessment Report

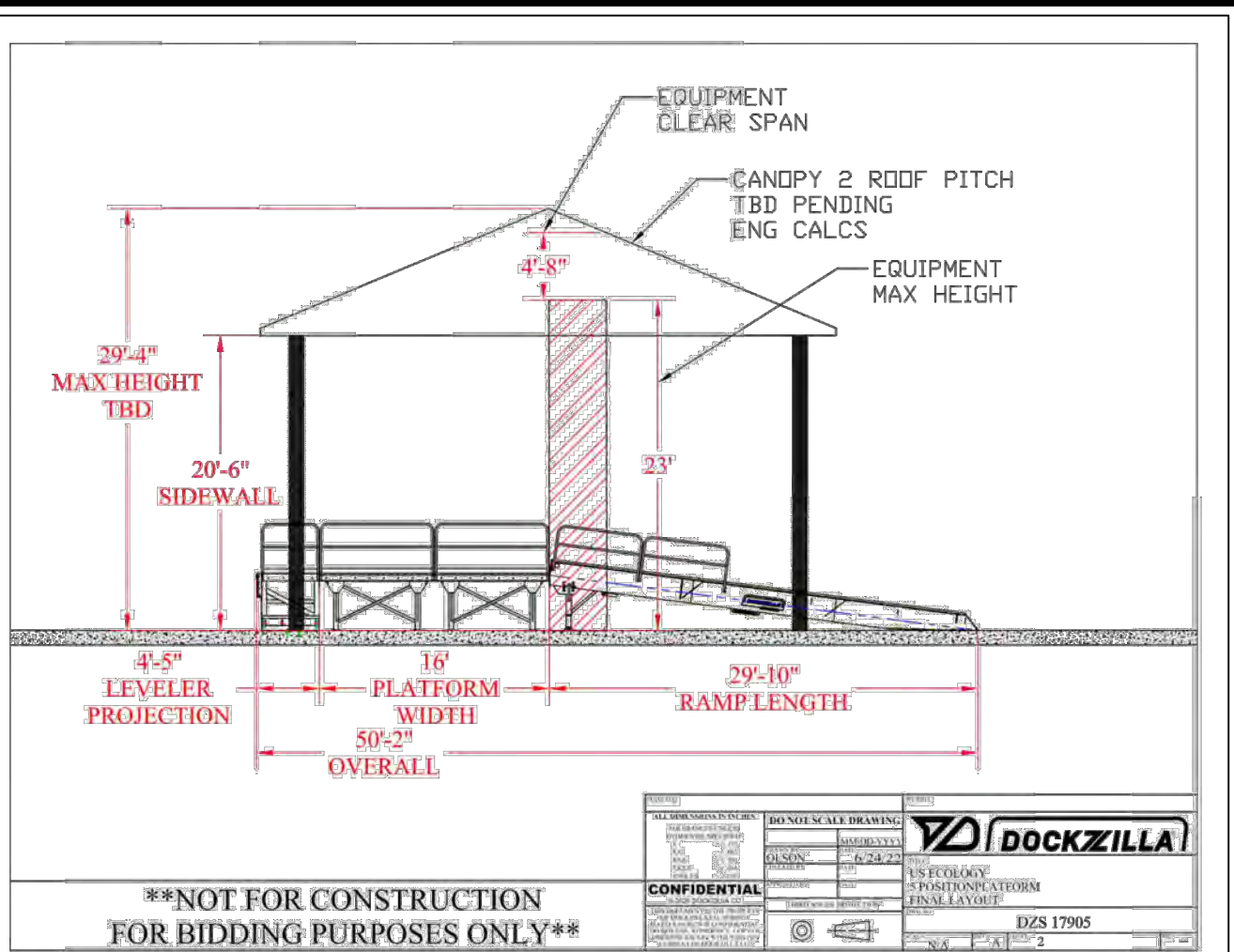
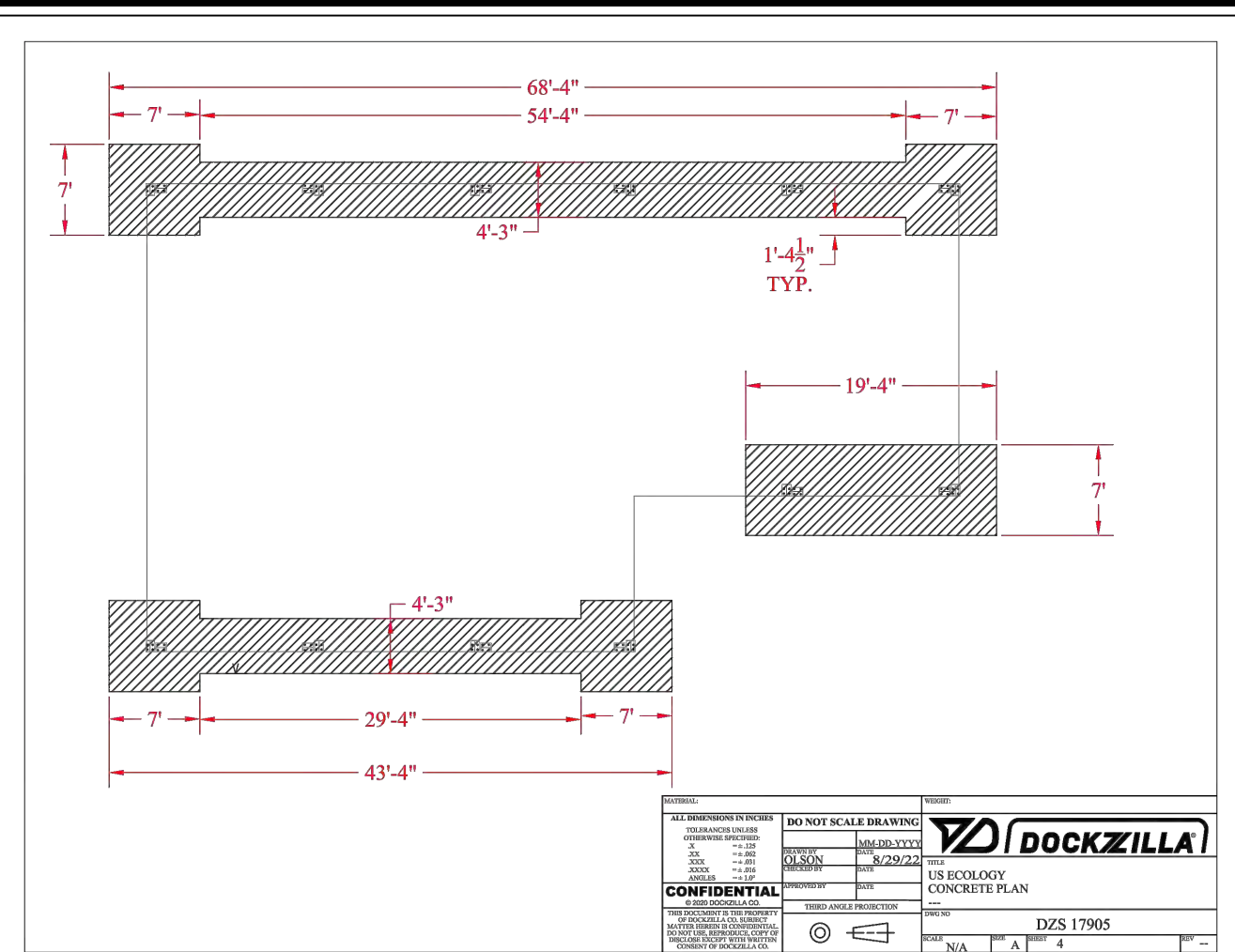
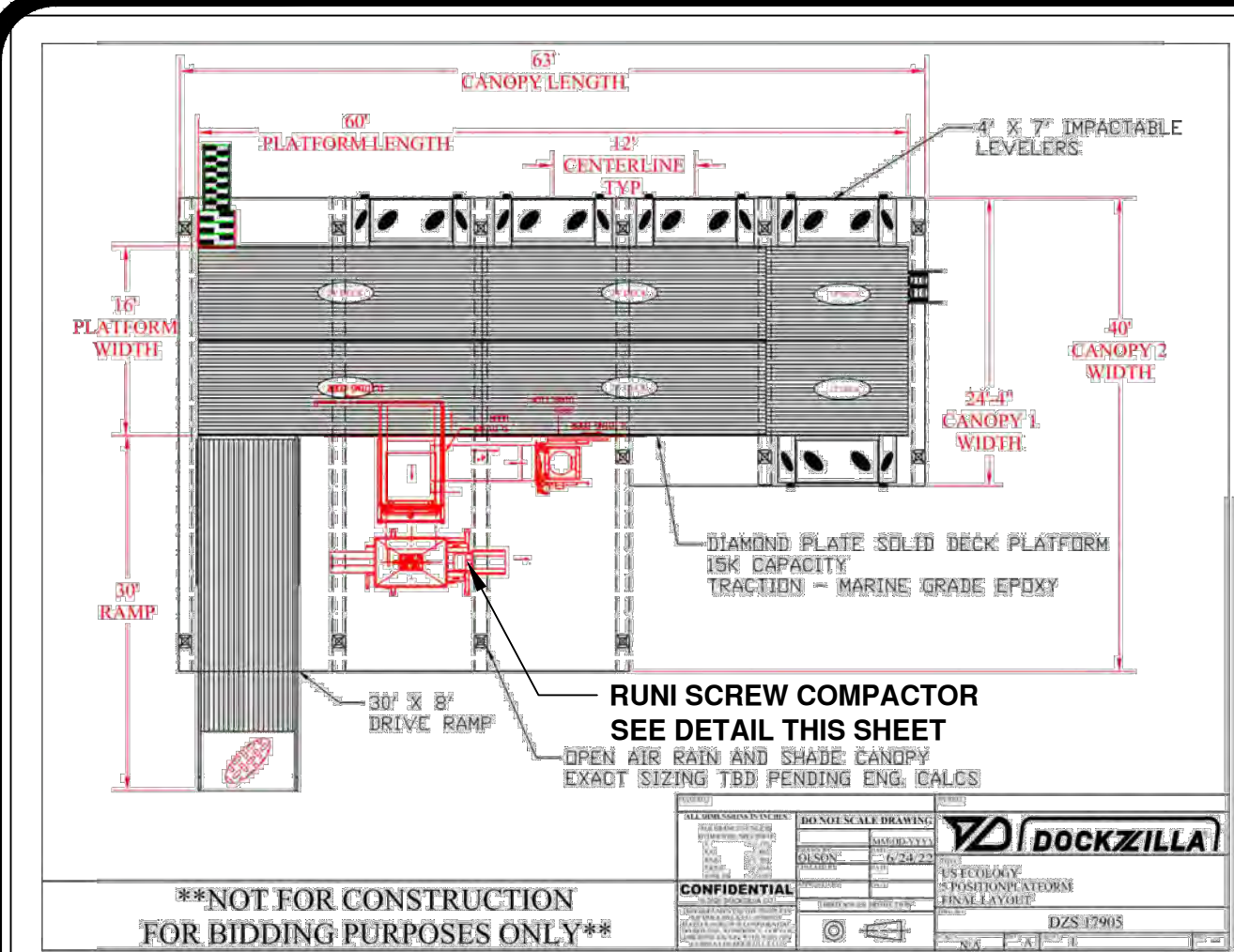
ec: Ken Dean – USE Tampa
Don Locke – USE Tampa
Dean Barcenas – 3Leaf Solutions



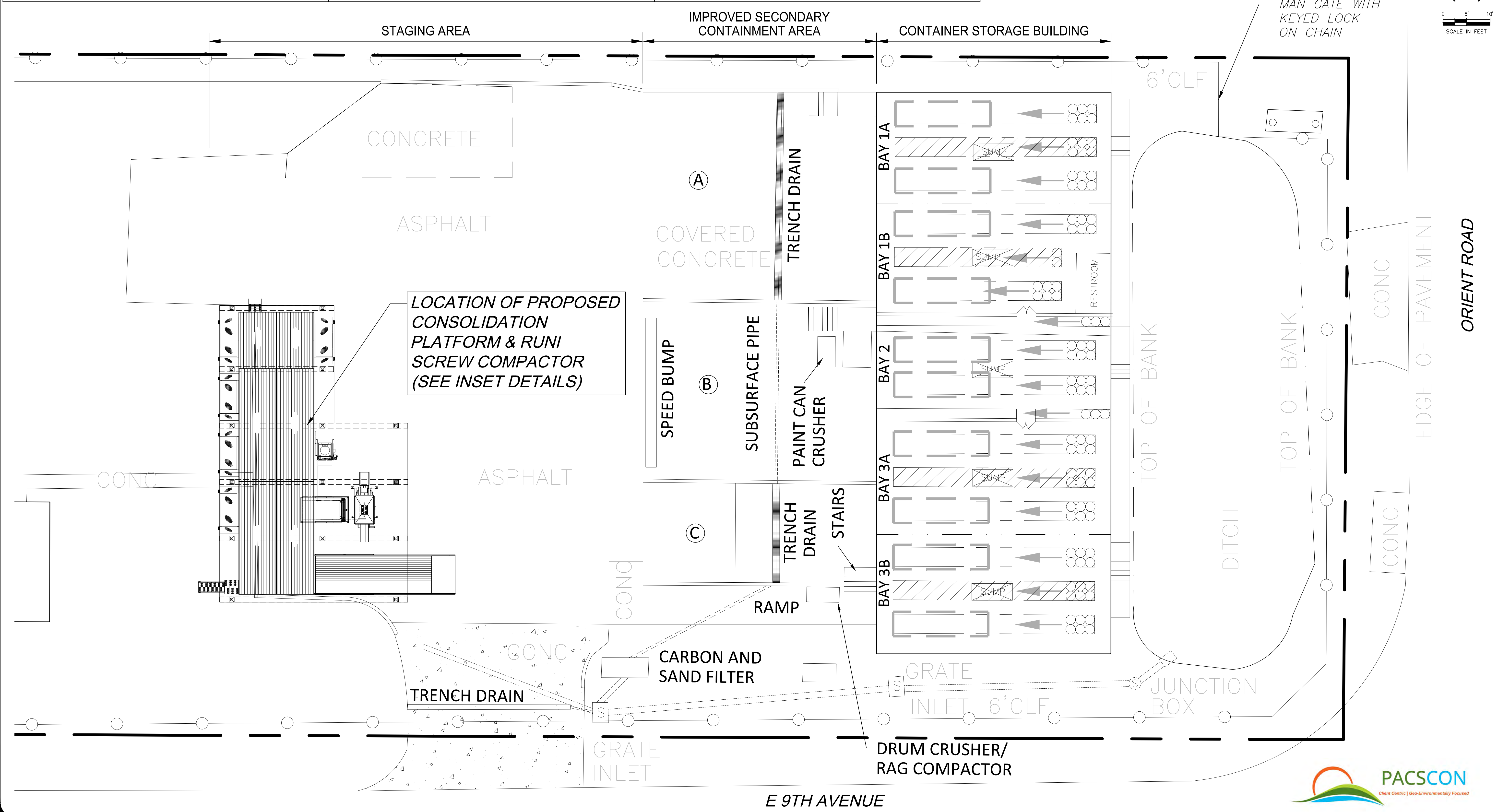
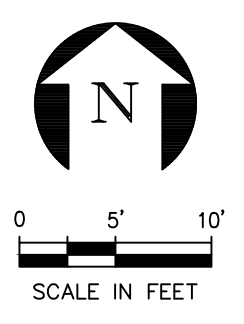
FIGURES



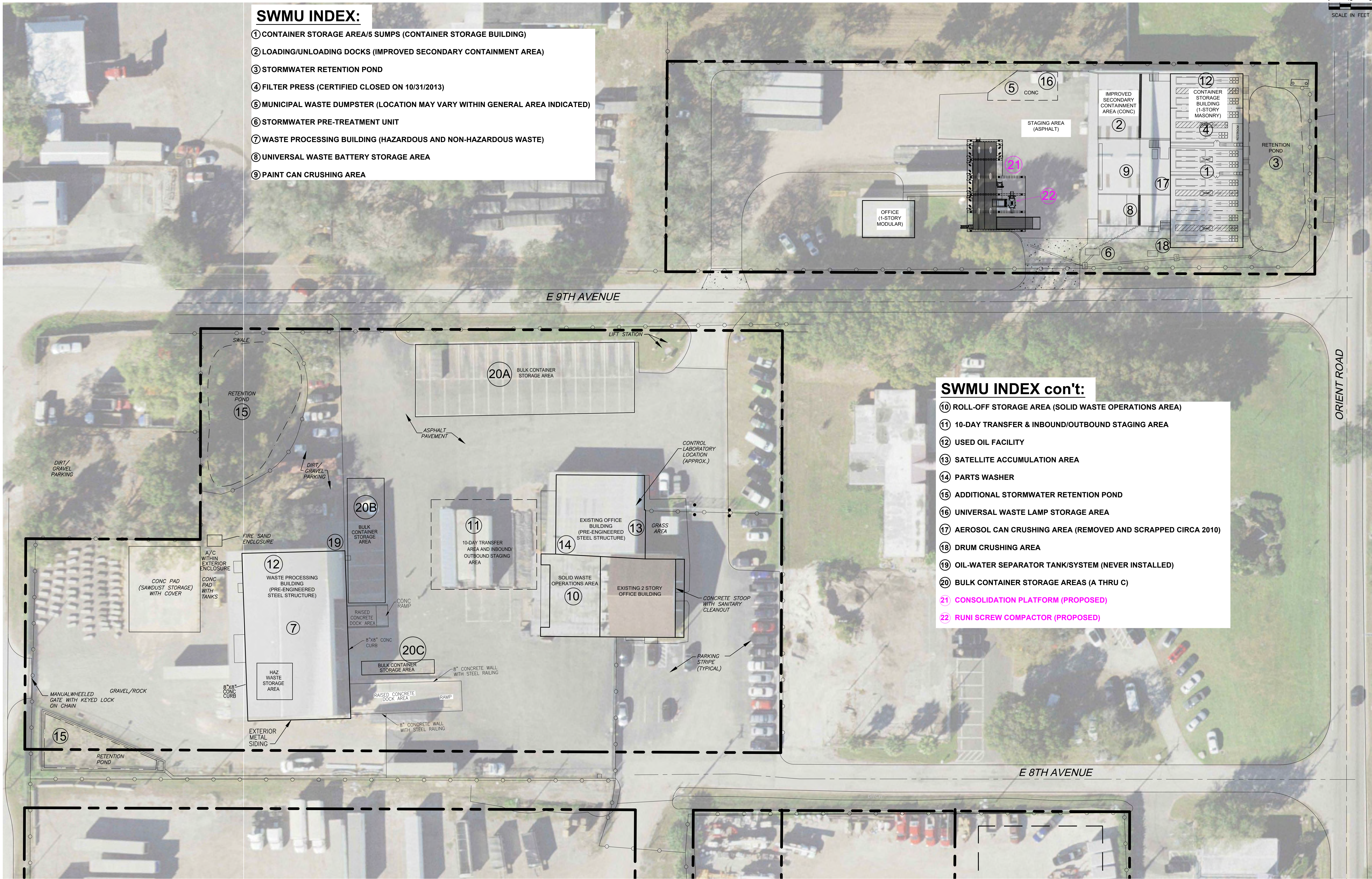
PROJECT No. 2022-1654	SITE LOCATION MAP				PACSCON GEOTECHNICAL, INC.							
	US ECOLOGY TAMPA, INC. 7202 EAST 8TH AVENUE TAMPA, FLORIDA 33619				4517 GEORGE ROAD, SUITE 220 TAMPA, FLORIDA 33634 ENGINEERING CERTIFICATION OF AUTHORIZATION: 32162 PHONE: (844) 772-2728 E-MAIL: INFO@PACSCON.COM							
	SCALE: VERIFICATION THIS MAP REPRESENTS THE DATA ON THE ORIGINAL DRAWING				REV.	DATE	DESCRIPTION	CAD FILE:	SCALE:	DATE:		
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RUNI SK370 SCREW COMPACTOR
(RENDERING FOR INFORMATION PURPOSES ONLY)



ORIENT RD. PROPERTY LAYOUT PLAN		PACSCON GEOENVIRONMENTAL, INC.								
US ECOLOGY TAMPA, INC.		4517 GEORGE ROAD, SUITE 220								
7202 EAST 8TH AVENUE		TAMPA, FLORIDA 33634								
TAMPA, FLORIDA 33619		ENGINEERING CERTIFICATION OF AUTHORIZATION: 32162								
		PHONE: (844) 772-2728 E-MAIL: INFO@PACSCON.COM								
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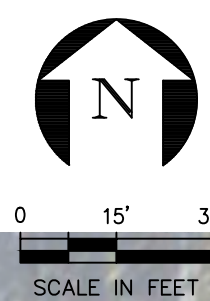


SWMU INDEX:

- 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)



SCALE VERIFICATION		DESCRIPTION	
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PACSCON GEOTECHNICAL, INC.			
4517 GEORGE ROAD, SUITE 220			
TAMPA, FLORIDA 33634			
ENGINEERING CERTIFICATION OF AUTHORIZATION: 32162			
PHONE: (844) 772-2726 E-MAIL: INFO@PACSCON.COM			
SOLID WASTE MANAGEMENT UNITS			
US ECOLOGY TAMPA, INC.			
7202 EAST 8TH AVENUE			
TAMPA, FLORIDA 33619			
PROJECT No.	2022-1654	FIGURE	5 of 5

ATTACHMENT A

Executed Forms & Supporting Information

Revision Number	00
Date	December 19, 2022
Page	1 of 4

**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

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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 ____/____/____.

C. Land Use Information

- The present zoning of the site is IH - Industrial Heavy.
- If a zoning change is needed, what should the new zoning be? N/A.

D. Operating Information

- Is waste generated on-site? ☒ Yes ☐ No
- List the NAICS codes (5 to 6 digits) [40 CFR Part 270.13 (c)] 562111 562112
562211 562219 _____
- Use the codes and units provided in the instructions to complete the following table. Specify [40 CFR Part 270.13 (i and j)]:
 - Each process used for treating, storing or disposing of hazardous waste (including design capacities) at the facility, and;
 - 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 QUANTITY OF HAZARDOUS WASTE AND UNITS OF MEASURE
See Attached	See Attached	See Attached	See Attached

- 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.
- 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

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

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Date	December 19, 2022
Page	2 of 2

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.

Revision Number	00
Date	December 19, 2022
Page	1 of 4

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

Signature and Certification

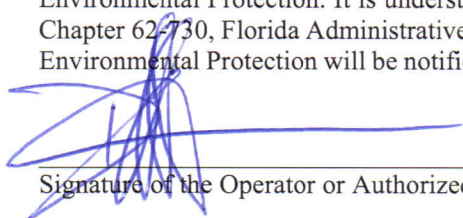
Facility Name US Ecology Tampa, Inc.

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

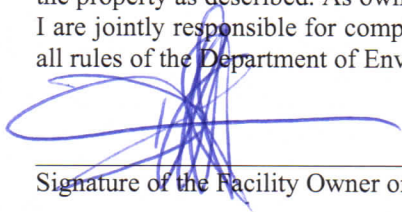
Telephone (813) 319-3410

*** Attach a letter of authorization**

Revision Number	00
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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)

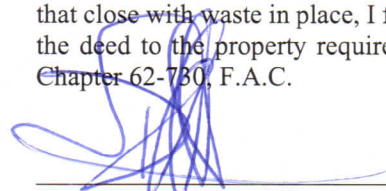
Date December 19, 2022 E-mail address don.locke@usecology.com

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**

Revision Number	00
Date	December 19, 2022
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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

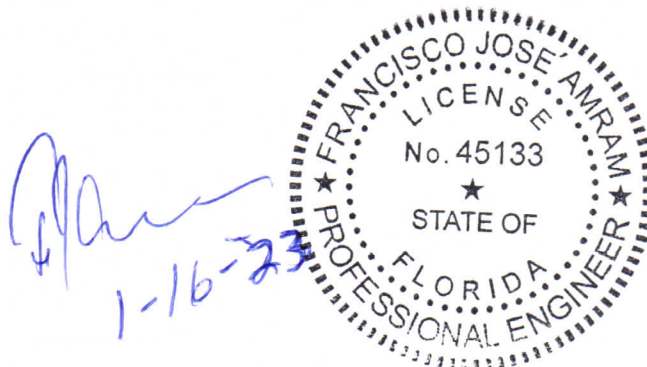
Date JAN. 16, 2023 December 2022

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.



Page 3 of 4

Revision Number	00
Date	December 19, 2022
Page	4 of 4

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)



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,

A handwritten signature in black ink, appearing to read 'Simon Bell', written over a horizontal line.

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	<i>The permitted maximum capacity of 50,000 gallons is not exceeded at any time.</i>	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 Capacity³

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 Storage Areas	800 Cubic Yards
Unloaded Waste Inbound Capacity	10,000 Gallons

Proposed Permitted Capacity⁶

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@pacskon.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 yds³/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.)

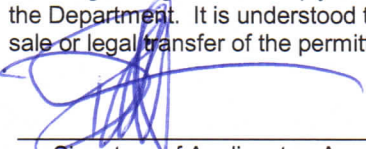
C. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

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

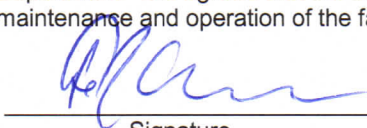
December 19, 2022

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)

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

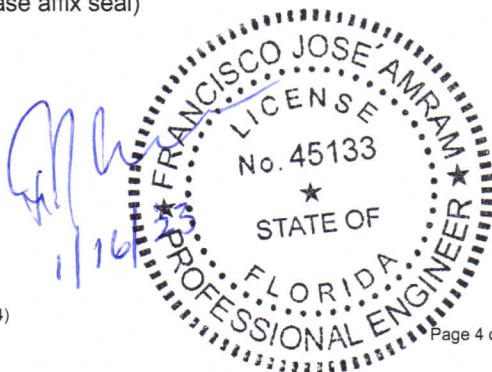
December 16, 2022

Date

JAN. 16, 2023


45133

Florida Registration Number
(please affix seal)





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,

A handwritten signature in black ink, appearing to read 'Simon Bell', written over a horizontal line.

Simon Bell
Vice President
US Ecology Tampa, Inc.

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.

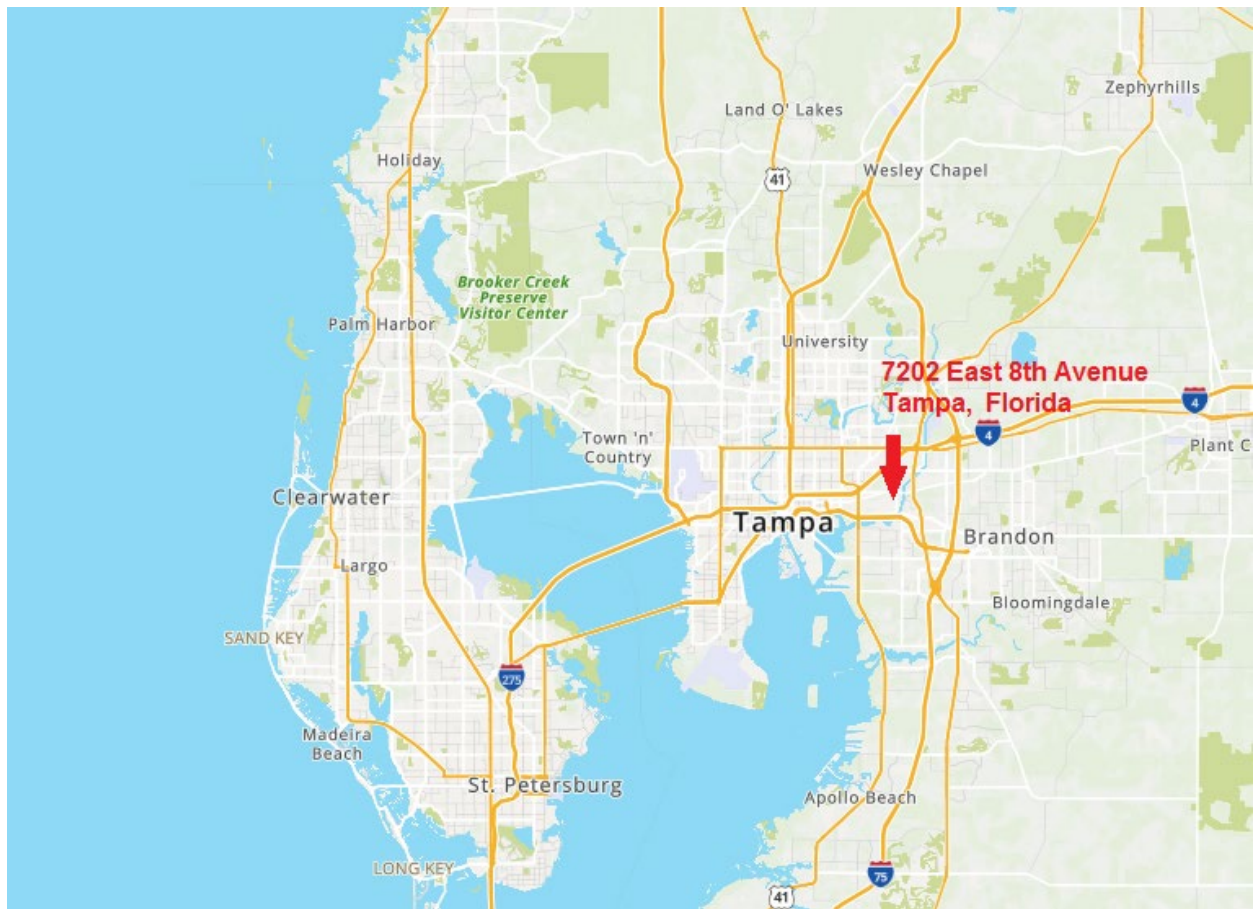
The modeling and risk analysis results demonstrate that the project complies with applicable Target Levels for the identified constituents of concern.

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.

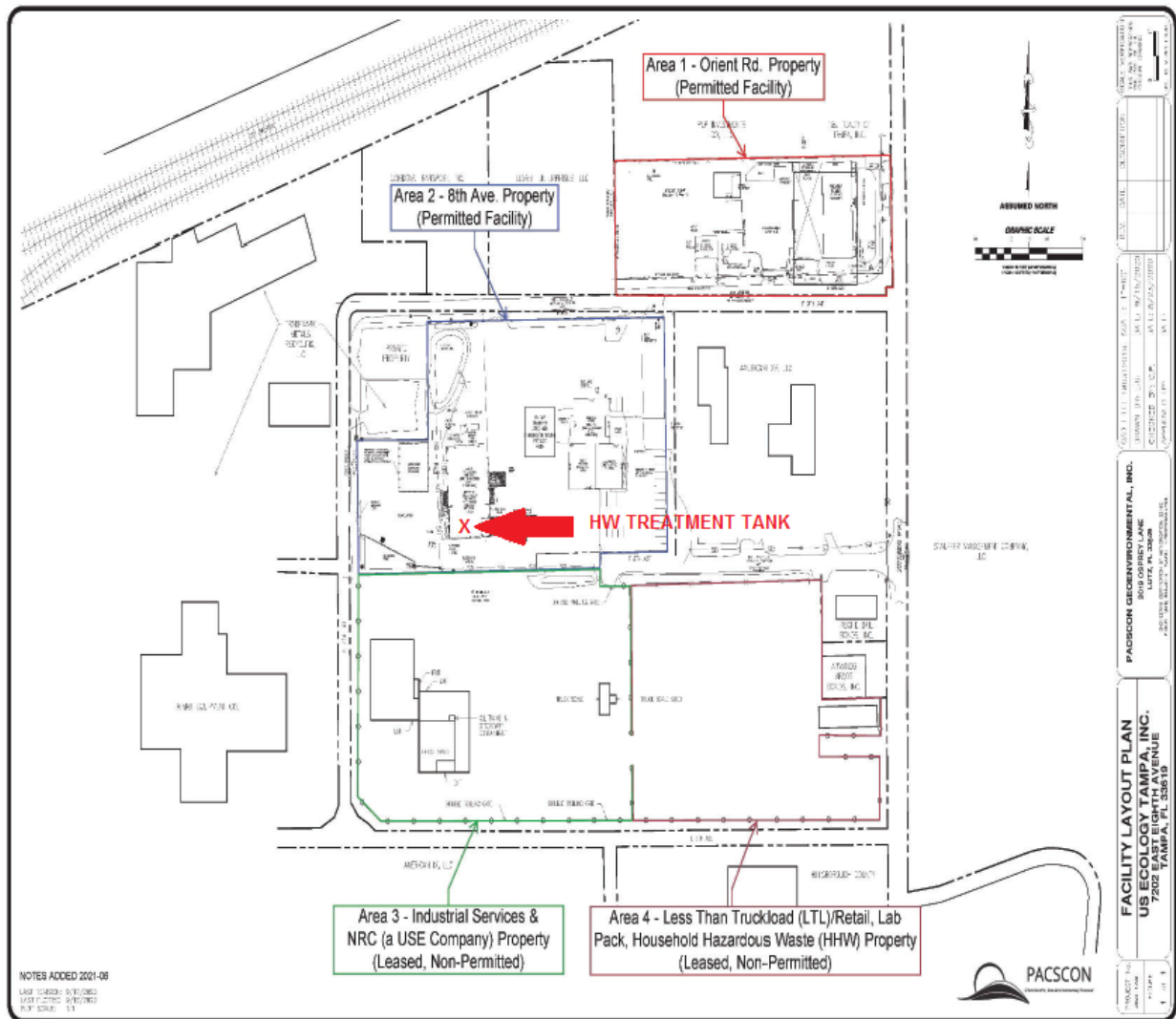
Figure 1- Site Vicinity Map- US Ecology-Tampa, Inc.



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 ($36.5 \text{ kg kmol}^{-1}$)
 P_V = vapor pressure, in Pa
 R = the gas constant ($8314 \text{ J kmol}^{-1} \text{ K}^{-1}$), 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:

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

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.

METEOROLOGICAL 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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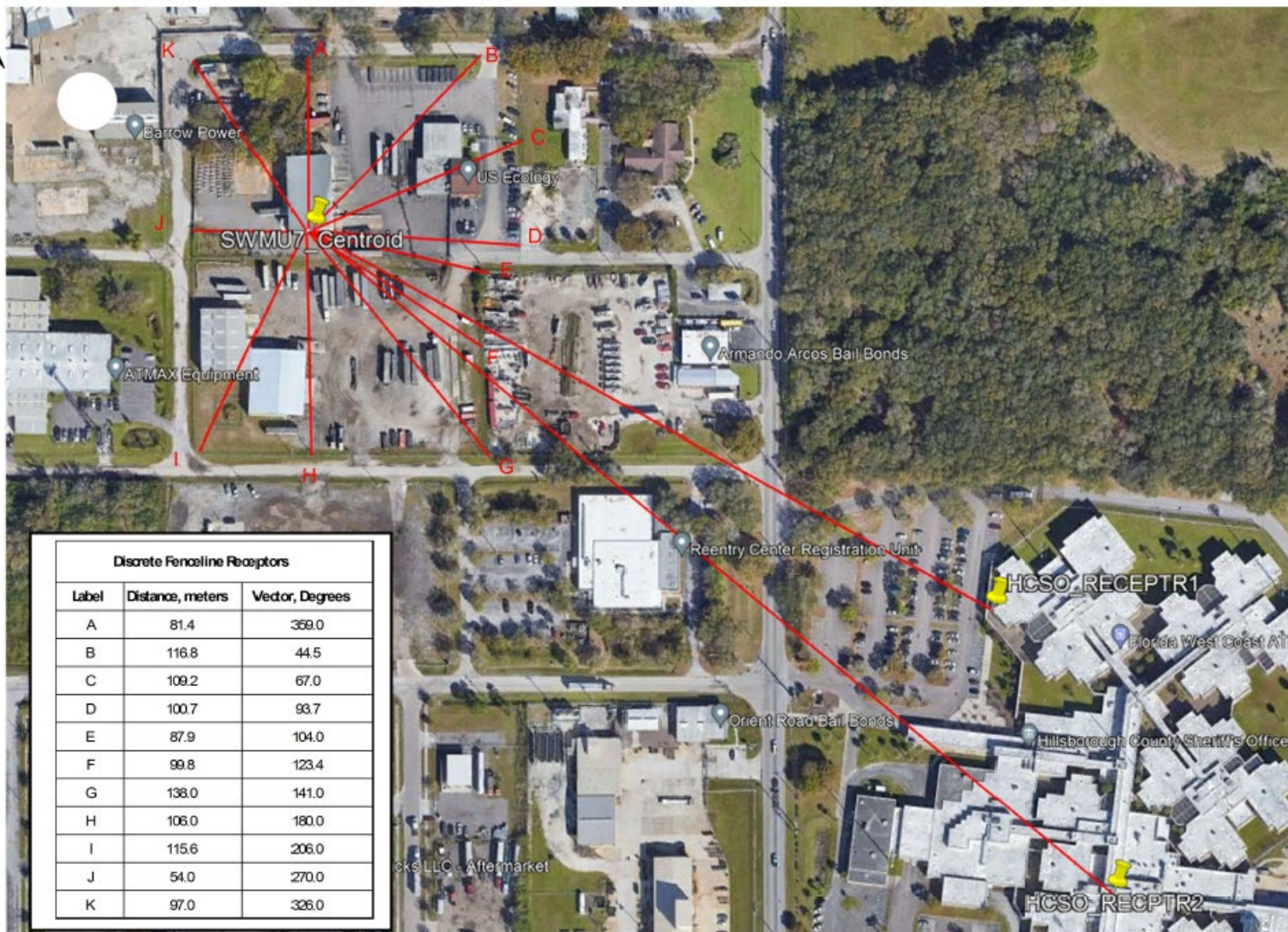


Figure 3
AERMOD Fence Line Receptor Locations
US ECOLOGY- TAMPA, INC.
Tampa, Florida

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).

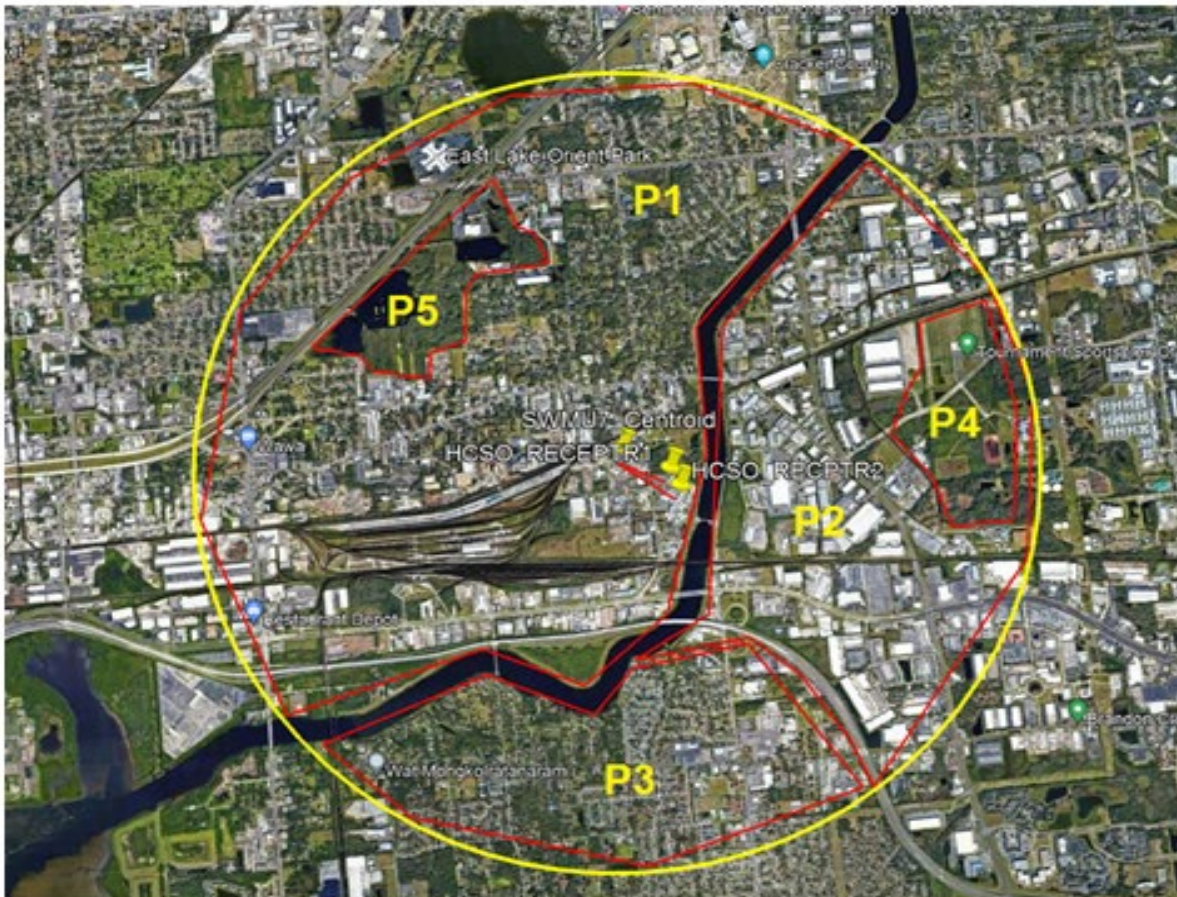
On this basis, and in conformance with FDEP and EPA guidance, the urban dispersion setting within the AERMOD model was employed. This supporting land use analysis is presented in Figure 4 provided on the next page.

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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/m³**. This value represents 83.1% of the reference value of **20.2 µg/m³** 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/m³**. This value represents 30.2% of the reference value of **20.2 µg/m³** 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/m³ (**0.3084 mg/m³**) were predicted. The maximum 1-hour concentration compares favorably with the NOAEL value of **4.9 mg/m³** 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 $81.6 \mu\text{g}/\text{m}^3$ (**$0.0816 \text{ mg}/\text{m}^3$**) were predicted. The maximum 8-hour concentration compares favorably with the AEGL-1 (8-HR) value of **$2.7 \text{ mg}/\text{m}^3$** 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 **$2.8715 \times 10^{-5} \mu\text{g}/\text{m}^3$** . When multiplied by EPA's Inhalation Unit Risk (IUR) reference value of 2.40×10^{-4} , a predicted cancer risk of **6.89×10^{-9}** is obtained. On this basis, the long-term impacts from potential Nickel exposures appear to be unremarkable.

Maximum 8-hour Nickel concentrations of **$3.87 \times 10^{-4} \mu\text{g}/\text{m}^3$** were predicted. This value is 0.19 percent of the reference value of $0.0002 \text{ mg}/\text{m}^3$ (**$0.2 \mu\text{g}/\text{m}^3$**) 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 **$1.46 \times 10^{-3} \mu\text{g}/\text{m}^3$** were predicted. This value is 0.7 percent of the reference value of $0.0002 \text{ mg}/\text{m}^3$ (**$0.2 \mu\text{g}/\text{m}^3$**) 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 **$0.5 \mu\text{g}/\text{m}^3$** . This value represents just **0.1 %** of the reference value of **$500 \mu\text{g}/\text{m}^3$** 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 EPA's *Table 1. Prioritized Chronic Dose-Response Values*.

Maximum 8-hour modeled concentrations of **$6.1 \mu\text{g}/\text{m}^3$ ($0.0061 \text{ mg}/\text{m}^3$)** were predicted. The maximum 1-hour concentration compares favorably with the **NOAEL** value of **$4.9 \text{ mg}/\text{m}^3$** 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 **$22.9 \mu\text{g}/\text{m}^3$ ($0.0229 \text{ mg}/\text{m}^3$)** were predicted. The maximum 1-hour concentration compares favorably with the **NOAEL** value of **$4.9 \text{ mg}/\text{m}^3$** 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 EPA's *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 $\mu\text{g}/\text{m}^3$** . When multiplied by EPA's Inhalation Unit Risk (IUR) reference value of 1.30×10^{-5} for Formaldehyde, a predicted cancer risk of 5.81×10^{-6} is obtained. However, the average and maximum annual period concentration is well below the Target reference value of $0.0098 \text{ mg}/\text{m}^3$ (**9.8 $\mu\text{g}/\text{m}^3$**), as cited in *Table 1, Prioritized Chronic Dose-Response Values for Screening Risk Assessments*.

Maximum 1-hour Formaldehyde concentrations of **22.7 $\mu\text{g}/\text{m}^3$** were predicted. This value is 41.4 percent of the REL reference value of $0.055 \text{ mg}/\text{m}^3$ (**55 $\mu\text{g}/\text{m}^3$**) 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 $\mu\text{g}/\text{m}^3$** were predicted. This value is compares favorably to the AEGL-1 (8-h) reference value of $0.82 \text{ mg}/\text{m}^3$ (**820 $\mu\text{g}/\text{m}^3$**) 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 $\mu\text{g}/\text{m}^3$** . This value represents 0.5% of the reference value of $0.014 \text{ mg}/\text{m}^3$ (**14 $\mu\text{g}/\text{m}^3$**) 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 $3.6 \mu\text{g}/\text{m}^3$ (**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** ($240 \mu\text{g}/\text{m}^3$) 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 $0.9 \mu\text{g}/\text{m}^3$ (**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** ($240 \mu\text{g}/\text{m}^3$) 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)

Constituent	Emission Rate	Unit	Predicted Fenceline Concentrations (µg/cubic meter)			TARGET VALUES (µg/cubic meter)			
			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	M²S ⁻¹
DH20	2.40E-05	M²S ⁻¹
MWH20	18	KG-KMOLE ⁻¹
MWHCL	36.5	KG-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, m²s ⁻¹	1.50E-05	m²s ⁻¹
assume 1.5 e-5 m²s ⁻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	37.1600	surface Area, square meters
A= Area of evaporation surface (square meters)	0.00717877	meters/second
Km= Mass Transfer Coefficient		
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=	<u>20,947.80</u> 3,113,589	<u>#/year</u> #/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= DH2O X Sqrt[(MWH2O/ MWhd)]*m2s-1		
Dm	2.28E-05	M ² S ⁻¹
DH2O	2.40E-05	M ² S ⁻¹
MWH2O	18	KG KMOL ^E - ¹
MWHF	20.01	KG KMOL ^E - 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 ² s ⁻¹	1.50E-05	m ² s ⁻¹
assume 1.5 e-5 m ² s ⁻¹		

3) Estimate Mass Transfer Rate

Mackay and Matsugo, 1973

$K_{La} = 0.0048 \times U^{7/8} \times Z^{1/8} \times Sc^{-3/8}$ 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.

$Km = 0.0048 \times U^{7/8} \times Z^{1/8} \times Sc^{-3/8}$	0.007178774	meters/second

WHERE:

$U^{7/8}$

1.714 Assumed wind speed, in meters/second

$Z^{1/8}$

0.807 Equivalent diameter of evap. Source, meters

$Sc^{-3/8}$

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

$E = A \times Km \times [(Mw \times Pv)/(R \times T)]$	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	
R= Gas Constant, J kmole-1 K-1	8.3144	J / mole- degK
T= ambient Temperature, F, annual average, Tampa	8314	J kilgmole-1 K-1
T= ambient Temperature, Kelvin	74	degF
R*T	296.48	K
Mw x Pv/RT	2,464,962	
E=	0.37883	
	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 meter²

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): $E = k \cdot A \cdot M \cdot P_{Tsol} / (R \cdot T_{sol})$

E	Evaporation Rate, Grams/second
k	mass transfer coefficient
A	Surface area of release, square meters
M	Molecular Weight of Ammonia, grams/gram-mole
P _{Tsol}	vapor pressure of the chemical at the temperature of the liquid surface.
R	ideal gas constant (m ³ 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
P _{Tsol}	14123 Pascals
R	8314 ideal gas constant (m ³ 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-meter²

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 multiplier	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 evaporation rate of Formaldehyde was estimated using the following equation:

$$E_{s-1} = \frac{M_i K_i A P_i^{sat}}{RT_L}$$

Where E_s 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 K_o is expressed as follows:

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

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:

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

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.

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

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

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.

$$K_i = 0.83 \times (18.02/15.994)^{0.33}$$

$$K_i = 0.83 \times (18.02/15.994)^{0.33}$$

$$K_i = 0.8633 \text{ cm/second} \quad \text{mass Transfer Coefficient for Formaldehyde, cm/second}$$

$$\begin{aligned} &0.86 \text{ cm/second} \\ &0.01 \text{ meters/second} \\ &0.03 \text{ Feet/Second} \end{aligned}$$

$$K_i = K_o = 100.91 \text{ Ft/ Hour} \quad \text{conversion from cm/second to feet per hr.}$$

$$\begin{aligned} P, \text{ Formaldehyde} &130 \text{ Pascals} \\ &\text{Assume 30\% Formaldehyde at 20Deg. C;} \\ &\text{note 1mm HG} = 133.3 \text{ Pascal} \\ &0.975243811 \text{ mmHG} \end{aligned}$$

$$E_{s-1} = \frac{M_i K_i A P_i^{sat}}{RT_L}$$

$$\begin{aligned} M &= 15.99 \text{ Molecular weight of Formaldehyde} \\ A &= 400 \text{ Area of source, Square feet} \\ P_i &= 0.975244 \text{ Vapor pressure of formaldehyde, reference} \\ R &= 998.9 \text{ ideal gas constan ft atm/lb mol}^\circ\text{K} \\ T_L &= 302 \text{ Absolute Temperature of Formaldehyde} \end{aligned}$$

$$\begin{aligned} E &2.1 \text{ Pounds/hr} \\ &0.3 \text{ Grams/ Second} \\ &37.16 \text{ Square meters surface area} \end{aligned}$$

$$E = 0.0071 \text{ Grams/Second/meter}^2 \quad \text{Formaldehyde theoretical emissions rate}$$

$$\begin{aligned} &0.3 \text{ Grams/ Second Theoretical Emissions Rate Formaldehyde} \\ &##### \text{ Pounds/Year Theoretical Emissions Rate} \\ &1543.5 \text{ Pound/Year Typical processing rate} \\ &8\% \text{ Actual vs. Theoretical Emission Rate, (\%)} \\ &0.08 \text{ Multiplier to account for Actual versus theoretical} \\ &11.842 \text{ Divisor to account for Actual versus theoretical} \end{aligned}$$

$$E = 0.00060 \text{ Predicted Emiss. Rate- Formaldehyde for AERMOD, grams/Sec-m}^2$$

ATTACHMENT B

AERMOD Modeling Output Files

Study Years 2016 through 2020

**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

GenericUSE1GramWithElevs2016f.out

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

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*** MODELOPTs: RegDEFAULT 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)

GenericUSE1GramWithElevs2016f.out

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 ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

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

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

ALL TANK ,

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID URBAN POP SOURCE IDs

397809. TANK

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** MODELOPTs: RegDEFAULT 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,

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	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

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

*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

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

GenericUSE1GramWithElevs2016f.out

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

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

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

DIRECTION	DISTANCE (METERS)	
(DEGREES)	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

GenericUSE1GramWithElevs2016f.out

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

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

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2016f.out

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 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	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

♀ *** 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: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	1900.00	2000.00	DISTANCE (METERS)

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

♀ *** 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: RegDEFAULT 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 *** ***
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

[illegible]

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

♀ *** AERMOD - VERSION 19191 *** *** USEC0LOGY- 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*

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

Surface file: TPA2016_V19191.sfc
 Profile file: TPA2016_V19191.pfl
 Surface format: FREE
 Profile format: FREE
 Surface station no.: 12842
 Name: UNKNOWN
 Year: 2016

Met Version: 19191

Upper air station no.: 12842
 Name: UNKNOWN
 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

GenericUSE1GramWithElevs2016f.out

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

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*** MODELOPTs: RegDEFAULT 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									

GenericUSE1GramWithElevs2016f.out

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

PAGE 17

*** MODELOPTs: RegDEFAULT 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	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

GenericUSE1GramWithElevs2016f.out

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***

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*** AERMET - VERSION 19191 *** ***

*** 15:01:56

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

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*** MODELOPTs: RegDEFAULT 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)	ORIGIN CONC	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 ***
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*** AERMET - VERSION 19191 *** *** *** 15:01:56

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*** MODELOPTs: RegDEFAULT 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 ***

GenericUSE1GramWithElevs2016f.out
 ** CONC OF HCL IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	100.00	200.00	DISTANCE (METERS) 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)					

GenericUSE1GramWithElevs2016f.out

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)

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

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	600.00	700.00	800.00	900.00	1000.00
10.0 4048.04499 (16121820)	3220.46557 (16121820)	2637.10034 (16121820)	2289.06621 (16020220)		
20.0 3491.24544 (16031020)	2815.92717 (16031020)	2329.53135 (16031020)	2006.13932 (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)		
50.0 4104.06034 (16020121)	3203.96089 (16020121)	2589.53391 (16020121)	2128.28629 (16020121)		
60.0 3797.99610 (16012518)	3040.41792 (16012518)	2433.88494 (16012518)	2068.73012 (16012518)		
70.0 4940.24769 (16012019)	3364.20448 (16012019)	2733.11072 (16012019)	2860.28187 (16012019)		
80.0 3374.56452 (16013018)	2631.44099 (16013018)	2172.18675 (16121218)	2053.74113 (16121218)		
90.0 3308.17674 (16060906)	2535.46420 (16060906)	2242.32490 (16060906)	1926.12079 (16060906)		
100.0 4061.01061 (16012519)	3068.76667 (16012519)	2815.94497 (16012519)	2383.22343 (16012519)		
110.0 3958.63143 (16122908)	2999.63221 (16122908)	2704.77012 (16122908)	2393.90128 (16122908)		
120.0 3159.15727 (16072920)	2451.39197 (16072920)	2176.56179 (16072920)	1930.00026 (16072920)		
130.0 4323.88970 (16062406)	3277.02172 (16062406)	2843.88549 (16062406)	2667.31885 (16062406)		
140.0 3692.74268 (16031907)	2776.09143 (16031907)	2224.48005 (16031907)	1855.34910 (16031907)		

GenericUSE1GramWithElevs2016f.out

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

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2016f.out

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)			

GenericUSE1GramWithElevs2016f.out

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

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*** MODELOPTs: RegDEFAULT 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)	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)	

GenericUSE1GramWithElevs2016f.out

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)

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

*** AERMET - VERSION 19191 *** **

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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 ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

**

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

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*** MODELOPTs: RegDEFAULT 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)	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: RegDEFAULT 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	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)

GenericUSE1GramWithElevs2016f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016

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*** AERMET - VERSION 19191 *** ***

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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)	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)					

GenericUSE1GramWithElevs2016f.out

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)

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2016f.out

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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

GenericUSE1GramWithElevs2016f.out
 *** DISCRETE POLAR RECEPTOR POINTS ***

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

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

♀ *** AERMOD - VERSION 19191 *** ** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** AERMET - VERSION 19191 *** **

*** 15:01:56

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*** MODELOPTs: RegDEFAULT 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)	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)					

GenericUSE1GramWithElevs2016f.out

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

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2016f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)					

GenericUSE1GramWithElevs2016f.out

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)				

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

*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT 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 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)				

GenericUSE1GramWithElevs2016f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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)	

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

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2016f.out

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)

♀ *** 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 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)	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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTS: RegDEFAULT 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	DISTANCE (METERS)				
(DEGREES)	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)

GenericUSE1GramWithElevs2016f.out

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
(16091224)					
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: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

GenericUSE1GramWithElevs2016f.out
 *** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	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 (16030124)	
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)	

GenericUSE1GramWithElevs2016f.out

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)

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

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN SRCID (YYMMDDHH)	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)		

♀ *** 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: RegDEFAULT 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)	100.00	200.00	300.00	400.00	500.00

GenericUSE1GramWithElevs2016f.out

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)
 ♀ *** 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: RegDEFAULT 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)	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)	

GenericUSE1GramWithElevs2016f.out

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: RegDEFAULT 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)	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)					

GenericUSE1GramWithElevs2016f.out

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)

*** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** AERMET - VERSION 19191 *** ***

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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)	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 (16120624)	
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)	

GenericUSE1GramWithElevs2016f.out

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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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 ***
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*** 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)	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)					

GenericUSE1GramWithElevs2016f.out

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 ***
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*** MODELOPTS: RegDEFAULT 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)

GenericUSE1GramWithElevs2016f.out

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)			

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

GenericUSE1GramWithElevs2016f.out
 *** 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

10.0 339.18613 (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)	

GenericUSE1GramWithElevs2016f.out

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2016 ***
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*** AERMET - VERSION 19191 *** ***

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

GenericUSE1GramWithElevs2016f.out

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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 *** **

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*** MODELOPTs: RegDEFAULT 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: RegDEFAULT 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	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

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*** 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	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

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

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

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

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: RegDEFAULT 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 ***

**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

GenericUSE1GramWithElevs2017f.out

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

GenericUSE1GramWithElevs2017f.out

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

GenericUSE1GramWithElevs2017f.out

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

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*** MODELOPTs: RegDEFAULT 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)

GenericUSE1GramWithElevs2017f.out

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

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

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

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

ALL TANK ,

♀ *** 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: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

397809. TANK

♀ *** 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: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY SCALAR	HOURLY 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

♀ *** 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: RegDEFAULT 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,				

♀ *** 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*

*** 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

♀ *** 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*

*** 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

GenericUSE1GramWithElevs2017f.out

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

♀ *** 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*

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

* ELEVATION HEIGHTS IN METERS *

DIRECTION	DISTANCE (METERS)	
(DEGREES)	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

GenericUSE1GramWithElevs2017f.out

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

♀ *** 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*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	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

GenericUSE1GramWithElevs2017f.out

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 2017 12/09/22 ***

*** AERMET - VERSION 19191 *** ***

*** 15:08:15

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	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

♀ *** 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: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	1900.00	2000.00
DISTANCE (METERS)		
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

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

*** AERMET - VERSION 19191 *** ***

*** 15:08:15

PAGE 13

*** MODELOPTs: RegDEFAULT 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 *** ***
***
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

[illegible]

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

♀ *** AERMOD - VERSION 19191 *** *** USEC0LOGY- 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*

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

Surface file: TPA2017_V19191.sfc
 Profile file: TPA2017_V19191.pfl
 Surface format: FREE
 Profile format: FREE
 Surface station no.: 12842
 Name: UNKNOWN
 Year: 2017

Met Version: 19191

Upper air station no.: 12842
 Name: UNKNOWN
 Year: 2017

First 24 hours of scalar data

[illegible]

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

GenericUSE1GramWithElevs2017f.out

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: RegDEFAULT 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)	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	

GenericUSE1GramWithElevs2017f.out

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

PAGE 17

*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2017f.out

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

PAGE 18

*** MODELOPTs: RegDEFAULT 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) | 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 ***
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*** AERMET - VERSION 19191 *** ***

*** 15:08:15

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*** MODELOPTs: RegDEFAULT 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)	ORIGIN CONC	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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 ***

GenericUSE1GramWithElevs2017f.out

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

**

DIRECTION (DEGREES)	100.00	200.00	DISTANCE (METERS) 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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	600.00	700.00	800.00	900.00	1000.00
10.0 4699.42178 (17122619)	3741.29791 (17122619)	3097.76943 (17122619)	2732.15585 (17122619)		
20.0 3952.13518 (17042607)	3194.81753 (17042607)	2650.40897 (17042607)	2270.79804 (17042607)		
30.0 3619.19914 (17010408)	2928.44931 (17010408)	2425.26297 (17010408)	2039.48042 (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)		
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)		
90.0 2970.00029 (17051620)	2268.84099 (17051620)	2023.83861 (17051620)	1748.05239 (17051620)		
100.0 3056.80364 (17042507)	2393.81557 (17042507)	2096.23736 (17042507)	1784.35221 (17042507)		
110.0 3552.15100 (17060421)	2717.57067 (17060421)	2515.41105 (17060421)	2229.33930 (17060421)		
120.0 3515.55349 (17013121)	2723.16833 (17013121)	2433.16845 (17013121)	2261.01323 (17013121)		
130.0 4110.90222 (17102921)	3135.97533 (17102921)	2711.66812 (17102921)	2554.76965 (17102921)		
140.0 4020.14404 (17120520)	2964.47487 (17120520)	2380.25085 (17120520)	2026.10250 (17120520)		

GenericUSE1GramWithElevs2017f.out

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 ***
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2017f.out

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)

GenericUSE1GramWithElevs2017f.out

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

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*** MODELOPTs: RegDEFAULT 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)					

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(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)
 ♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 ***
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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 ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

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

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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)	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)	

GenericUSE1GramWithElevs2017f.out

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 ***
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*** AERMET - VERSION 19191 *** **

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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)	

GenericUSE1GramWithElevs2017f.out

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)

*** 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)	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	

GenericUSE1GramWithElevs2017f.out

(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)
 ♀ *** 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: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2017f.out

(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)						

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 ***
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN SRCID (YYMMDDHH)	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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2017f.out

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 *** ***

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*** MODELOPTs: RegDEFAULT 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 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)		

GenericUSE1GramWithElevs2017f.out

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

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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	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 (17121718)
30.0	830.50760 (17010118)	763.15823 (17010118)	703.72136 (17010118)	649.90485 (17010118)	606.03595 (17010118)

GenericUSE1GramWithElevs2017f.out

(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 *** ***

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

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

*** MODELOPTs: RegDEFAULT 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	DISTANCE (METERS)				
(DEGREES)	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)	

GenericUSE1GramWithElevs2017f.out

(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: RegDEFAULT 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	DISTANCE (METERS)				
(DEGREES)	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)	

GenericUSE1GramWithElevs2017f.out

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)	

♀ *** 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: RegDEFAULT 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)	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)	

GenericUSE1GramWithElevs2017f.out

(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: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN SRCID (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (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: RegDEFAULT 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)	100.00	200.00	300.00	400.00	500.00

GenericUSE1GramWithElevs2017f.out

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

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*** MODELOPTs: RegDEFAULT 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)	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 (17110324)	

GenericUSE1GramWithElevs2017f.out

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(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)

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♀ *** 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	DISTANCE (METERS)				
(DEGREES)	1100.00	1200.00	1300.00	1400.00	1500.00

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-----
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

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GenericUSE1GramWithElevs2017f.out

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

(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)

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

*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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)	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 (17110908)	

GenericUSE1GramWithElevs2017f.out

(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)

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

*** AERMET - VERSION 19191 *** ***

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

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

*** AERMET - VERSION 19191 *** ***

*** 15:08:15

*** MODELOPTs: RegDEFAULT 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)	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)		

GenericUSE1GramWithElevs2017f.out

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: RegDEFAULT 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)	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	

GenericUSE1GramWithElevs2017f.out

(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 ***

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*** MODELOPTs: RegDEFAULT 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)	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)		

GenericUSE1GramWithElevs2017f.out

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 (17033008)
 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)

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

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)	

GenericUSE1GramWithElevs2017f.out

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(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)

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♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2017 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	SRCID (YYMMDDHH)	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)

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

*** AERMET - VERSION 19191 *** **

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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.	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

♀ *** 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 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

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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	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

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

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

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

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

*** AERMET - VERSION 19191 *** **

15:08:15

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*** 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 ***

**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

GenericUSE1GramWithElevs2018f.out

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

GenericUSE1GramWithElevs2018f.out

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

GenericUSE1GramWithElevs2018f.out

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

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*** MODELOPTs: RegDEFAULT 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)

GenericUSE1GramWithElevs2018f.out

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 ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

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

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

ALL TANK ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID URBAN POP SOURCE IDs

397809. TANK

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
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*** MODELOPTs: RegDEFAULT 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,				

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*** 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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 12/09/22

*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

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

GenericUSE1GramWithElevs2018f.out

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 12/09/22

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

DIRECTION	DISTANCE (METERS)	
(DEGREES)	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

GenericUSE1GramWithElevs2018f.out

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
12/09/22

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	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

GenericUSE1GramWithElevs2018f.out

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 2018
12/09/22

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018
12/09/22

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	1900.00	2000.00	DISTANCE (METERS)

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018
12/09/22

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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);

GenericUSE1GramWithElevs2018f.out

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 *** ***
 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** 15:10:23

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

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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 *** ***
 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** 15:10:23

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*** 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

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-----
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

```

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GenericUSE1GramWithElevs2018f.out

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

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*** MODELOPTs: RegDEFAULT 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)	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									

GenericUSE1GramWithElevs2018f.out

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 *** ***

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2018f.out

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

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*** MODELOPTs: RegDEFAULT 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)	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

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*** MODELOPTs: RegDEFAULT 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

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*** MODELOPTs: RegDEFAULT 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)	100.00	200.00	300.00	400.00	500.00
10.0 37535.46695 (18020621)	17235.07753 (18020621)	10621.87167 (18020621)	7395.35579 (18020621)		
20.0 37434.15544 (18112521)	15433.39176 (18112521)	9376.24505 (18011119)	6571.26351 (18011119)		
30.0 47083.41194 (18112521)	20604.47799 (18112521)	12292.32440 (18112521)	8410.52164 (18112521)		
40.0 38552.69342 (18011120)	16451.07224 (18020519)	10082.30077 (18020519)	7014.32971 (18020519)		
50.0 46682.86524 (18022421)	20620.66289 (18011120)	12316.01859 (18011120)	8369.56083 (18011120)		
60.0 42894.96822 (18022421)	18165.29239 (18022421)	10657.91458 (18123018)	7278.94052 (18123018)		
70.0 34036.71148 (18122918)	15405.87001 (18112318)	9273.47717 (18112318)	6333.68381 (18112318)		
80.0 40829.46034 (18112507)	17186.04424 (18112507)	9886.75242 (18112507)	6513.03305 (18112507)		
90.0 43316.16200 (18112520)	18299.79727 (18112520)	10496.37548 (18112520)	6905.63441 (18112520)		
100.0 43417.24526 (18041906)	19085.73648 (18041906)	11249.07446 (18041906)	7544.76200 (18041906)		
110.0 36374.18917 (18123020)	16712.07926 (18123020)	10013.26022 (18123020)	6691.62974 (18123020)		
120.0 39146.71800 (18123021)	18045.63462 (18123021)	10748.93396 (18123021)	7228.22121 (18123021)		
130.0 42748.51281 (18070320)	17888.78817 (18070320)	10125.32655 (18070320)	6584.77776 (18070320)		
140.0 41505.94578 (18102921)	17517.25968 (18070320)	10229.64816 (18070320)	6845.61982 (18070320)		
150.0 41345.26936 (18042007)	18213.14616 (18102921)	10738.89204 (18102921)	7324.38009 (18102921)		
160.0 50678.29298 (18042007)	22408.81728 (18042007)	13068.52945 (18042007)	8966.97517 (18042007)		
170.0 46597.96291 (18091406)	19565.79786 (18062706)	11639.52144 (18062706)	7786.26661 (18062706)		
180.0 46578.96631 (18091406)	19852.02864 (18091406)	11522.82325 (18091406)	7827.87745 (18091406)		
190.0 32187.05694 (18031607)	13046.78073 (18121806)	7620.79826 (18121806)	5123.87599 (18121806)		
200.0 40536.81112 (18031607)	16752.88678 (18031607)	9686.45604 (18031607)	6436.33376 (18031607)		
210.0 36708.58750 (18031607)	14913.03064 (18031607)	8729.72184 (18091306)	5952.58575 (18091306)		
220.0 32289.74127 (18071406)	12811.20035 (18040406)	7506.43206 (18040406)	5095.39316 (18040406)		
230.0 31646.24429 (18010919)	13459.69084 (18010919)	7842.97079 (18010919)	5379.44970 (18010919)		
240.0 36320.60841 (18122407)	15401.05101 (18122407)	9056.22294 (18122407)	6157.48304 (18122407)		
250.0 32211.73330 (18041806)	14280.50993 (18041806)	8502.61956 (18041806)	5809.02514 (18041806)		
260.0 37295.73909 (18121608)	16072.82226 (18121608)	9473.91814 (18121608)	6544.05998 (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 *** ***

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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)	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 *** ***

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*** MODELOPTs: RegDEFAULT 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: RegDEFAULT 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)	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)		

GenericUSE1GramWithElevs2018f.out

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 *** ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN SRCID (YYMMDDHH)	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)

GenericUSE1GramWithElevs2018f.out

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)

♀ *** 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: RegDEFAULT 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)	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)	

GenericUSE1GramWithElevs2018f.out

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 ***
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*** MODELOPTs: RegDEFAULT 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	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)	

GenericUSE1GramWithElevs2018f.out

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)

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018

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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT 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)	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	

GenericUSE1GramWithElevs2018f.out

(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)
 ♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
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 *** AERMET - VERSION 19191 *** *** 15:10:23

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*** MODELOPTs: RegDEFAULT 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)	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 (18120720)
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

GenericUSE1GramWithElevs2018f.out

(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 ***
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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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 ***

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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT 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)	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)	

GenericUSE1GramWithElevs2018f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)

GenericUSE1GramWithElevs2018f.out					
(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

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*** MODELOPTs: RegDEFAULT 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)	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)		

GenericUSE1GramWithElevs2018f.out

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 ***
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 *** AERMET - VERSION 19191 *** *** 15:10:23

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2018f.out

(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 ***
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*** AERMET - VERSION 19191 *** ***

*** 15:10:23

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN SRCID (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (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

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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2018f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018

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*** MODELOPTs: RegDEFAULT 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	DISTANCE (METERS)				
(DEGREES)	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	

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(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)
 ♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2018 ***
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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	DISTANCE (METERS)				
(DEGREES)	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	

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(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 ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)	

GenericUSE1GramWithElevs2018f.out

(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 ***
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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN SRCID (YYMMDDHH)	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

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*** MODELOPTs: RegDEFAULT 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 ***
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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)	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)		
90.0 922.56866c(18071524)	713.61040c(18071524)	603.91032c(18071524)	513.30791c(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)		
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 (18102724)	
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)	

GenericUSE1GramWithElevs2018f.out

(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 ***
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*** MODELOPTs: RegDEFAULT 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	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)

GenericUSE1GramWithElevs2018f.out

(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)

GenericUSE1GramWithElevs2018f.out

(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 ***
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*** AERMET - VERSION 19191 ***

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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)	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

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(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 ***
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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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 ***

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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT 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)	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)	

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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 ***
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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	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 (18041024)

GenericUSE1GramWithElevs2018f.out

(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 ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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 (18010824)	

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(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)

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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2018f.out

(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)

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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 ***
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*** AERMET - VERSION 19191 *** ***

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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.	77177.77372 (18122406) AT (	-54.00, -0.00) DP	26.	45680.45917 (18041807) AT (	-54.00, -0.00) DP
2.	71532.90126 (18121608) AT (	-54.00, -0.00) DP	27.	45577.04800 (18041906) AT (	85.30, -21.25) DP
3.	70429.77671 (18040207) AT (	-54.00, -0.00) DP	28.	45193.37045 (18073121) AT (	-54.00, -0.00) DP
4.	63978.71675 (18020806) AT (	-54.00, -0.00) DP	29.	44760.87595 (18062606) AT (	-54.00, -0.00) DP
5.	62954.96048 (18012821) AT (	-54.00, -0.00) DP	30.	44760.83606 (18030606) AT (	-54.00, -0.00) DP
6.	61706.49840 (18020807) AT (	-54.00, -0.00) DP	31.	44555.39557 (18060620) AT (	17.36, -98.48) GP
7.	61314.42667 (18121606) AT (	-54.00, -0.00) DP	32.	44304.40768 (18033021) AT (	76.60, 64.28) GP
8.	59806.10507 (18021606) AT (	-54.00, -0.00) DP	33.	43944.13270 (18112520) AT (	100.49, -6.55) DP
9.	58121.19861 (18062006) AT (	-54.00, -0.00) DP	34.	43628.59822 (18091406) AT (	0.00, -106.00) DP
10.	57670.36525 (18090907) AT (	-54.00, -0.00) DP	35.	43564.26375 (18032407) AT (	-54.00, -0.00) DP
11.	55494.18187 (18083021) AT (	-54.00, -0.00) DP	36.	43417.24526 (18041906) AT (	98.48, -17.36) GP
12.	51736.30620 (18091907) AT (	-54.00, -0.00) DP	37.	43390.72855 (18020106) AT (	-54.00, -0.00) DP
13.	50678.29298 (18042007) AT (	34.20, -93.97) GP	38.	43385.45494 (18092806) AT (	-54.00, -0.00) DP
14.	50031.70760 (18112506) AT (	-1.42, 81.42) DP	39.	43316.16200 (18112520) AT (	100.00, 0.00) GP
15.	50016.66003 (18022407) AT (	-54.00, -0.00) DP	40.	43283.55259 (18080306) AT (	-54.00, -0.00) DP
16.	48642.71206 (18090421) AT (	-54.00, -0.00) DP	41.	42981.03975 (18062706) AT (	17.36, -98.48) GP
17.	48261.11647 (18071220) AT (	-54.00, -0.00) DP	42.	42894.96822 (18022421) AT (	86.60, 50.00) GP
18.	48125.46060 (18011121) AT (	-1.42, 81.42) DP	43.	42748.51281 (18070320) AT (	76.60, -64.28) GP
19.	48097.24597 (18031107) AT (	-54.00, -0.00) DP	44.	42715.90775 (18082719) AT (	-54.00, -0.00) DP
20.	47083.41194 (18112521) AT (	50.00, 86.60) GP	45.	42654.94836 (18081806) AT (	-54.00, -0.00) DP
21.	46682.86524 (18022421) AT (	76.60, 64.28) GP	46.	42615.38867 (18090821) AT (	-54.00, -0.00) DP
22.	46597.96291 (18091406) AT (	17.36, -98.48) GP	47.	42006.28206 (18122919) AT (	50.00, 86.60) GP
23.	46578.96631 (18091406) AT (	0.00, -100.00) GP	48.	41889.17324 (18110418) AT (	85.30, -21.25) DP
24.	46556.51284 (18090819) AT (	-54.00, -0.00) DP	49.	41776.67995 (18041906) AT (	100.49, -6.55) DP
25.	46482.30986 (18011120) AT (	76.60, 64.28) GP	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 ***
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*** AERMET - VERSION 19191 *** ***

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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	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

GenericUSE1GramWithElevs2018f.out

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

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

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

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

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

GenericUSE1GramWithElevs2018f.out
♀ *** 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: RegDEFAULT 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 ***

**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

GenericUSE1GramWithElevs2019f.out

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

GenericUSE1GramWithElevs2019f.out

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

GenericUSE1GramWithElevs2019f.out

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 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

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*** MODELOPTs: RegDEFAULT 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)

GenericUSE1GramWithElevs2019f.out

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 ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

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

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

ALL TANK ,

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

397809. TANK

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* 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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
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*** MODELOPTs: RegDEFAULT 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,				

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 12/09/22

*** AERMET - VERSION 19191 ***

15:12:07

PAGE 8

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

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

GenericUSE1GramWithElevs2019f.out

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 12/09/22 ***

*** AERMET - VERSION 19191 *** ***

*** 15:12:07

PAGE 9

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

DIRECTION	DISTANCE (METERS)	
(DEGREES)	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

GenericUSE1GramWithElevs2019f.out

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
12/09/22

*** AERMET - VERSION 19191 *** ***

*** 15:12:07

PAGE 10

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	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

GenericUSE1GramWithElevs2019f.out

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

PAGE 11

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 12/09/22

*** AERMET - VERSION 19191 *** ***

*** 15:12:07

PAGE 12

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	1900.00	2000.00	DISTANCE (METERS)

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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 12/09/22

*** AERMET - VERSION 19191 *** ***

*** 15:12:07

PAGE 13

*** MODELOPTs: RegDEFAULT 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);

GenericUSE1GramWithElevs2019f.out

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

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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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

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*** MODELOPTs: RegDEFAULT 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

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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

```

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GenericUSE1GramWithElevs2019f.out

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 ***
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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)	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	

GenericUSE1GramWithElevs2019f.out

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 ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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	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

GenericUSE1GramWithElevs2019f.out

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

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***

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*** AERMET - VERSION 19191 ***

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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) | 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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	ORIGIN CONC	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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 ***

GenericUSE1GramWithElevs2019f.out
 ** CONC OF HCL IN MICROGRAMS/M**3 **

DIRECTION (DEGREES)	100.00	200.00	DISTANCE (METERS) 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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
 12/09/22

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)					

GenericUSE1GramWithElevs2019f.out

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

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2019f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
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*** AERMET - VERSION 19191 *** ***

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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)	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)	

GenericUSE1GramWithElevs2019f.out

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 (19112007)
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 ***
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*** AERMET - VERSION 19191 *** **

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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 ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

**

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

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*** MODELOPTs: RegDEFAULT 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)	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)
4320.54606 (19082807)					
100.0	30563.56445 (19082807)	14345.16415 (19082807)	8707.42552 (19082807)	5950.20921 (19082807)	
4231.58603 (19032221)					
110.0	32621.14850 (19091521)	14188.64263 (19032221)	8528.48440 (19032221)	5718.28611 (19032221)	
4625.21704 (19031106)					
120.0	31920.74673 (19081006)	15090.44273 (19031106)	9153.30807 (19031106)	6219.69082 (19031106)	
4953.44473 (19120420)					
130.0	38723.81929 (19040821)	16708.39105 (19040821)	9893.73364 (19112619)	6679.69235 (19120420)	
5031.12243 (19062606)					
140.0	39742.56266 (19020406)	17372.62560 (19062606)	10266.43527 (19062606)	6906.30235 (19062606)	
5246.31245 (19112807)					
150.0	42686.81860 (19111921)	18669.31123 (19111921)	10772.84766 (19111921)	7209.52066 (19111921)	
5026.10959 (19022807)					
160.0	37465.91719 (19112808)	16952.36300 (19111921)	10036.85470 (19022807)	6833.29203 (19022807)	
5745.40472 (19112806)					
170.0	40907.22326 (19092407)	18676.68179 (19092407)	11135.64485 (19112806)	7505.80337 (19112806)	
5454.29401 (19070420)					
180.0	37962.07406 (19070420)	17731.81150 (19070420)	10623.90007 (19070420)	7326.21340 (19070420)	
3907.11277 (19120320)					
190.0	31827.01254 (19120320)	13845.64008 (19120320)	7999.32462 (19120320)	5389.17223 (19120320)	
4552.14832 (19060406)					
200.0	34723.77695 (19060406)	15231.16127 (19060406)	8961.43245 (19060406)	6032.13970 (19060406)	
4009.62224 (19041706)					
210.0	29991.28506 (19041706)	13585.08227 (19041706)	8078.42367 (19041706)	5501.19709 (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)

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019
 12/09/22

*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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	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)

GenericUSE1GramWithElevs2019f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)					

GenericUSE1GramWithElevs2019f.out

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 ***

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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2019f.out

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)

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

GenericUSE1GramWithElevs2019f.out
 *** DISCRETE POLAR RECEPTOR POINTS ***

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

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

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*** MODELOPTs: RegDEFAULT 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)	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)					

GenericUSE1GramWithElevs2019f.out

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

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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2019f.out

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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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	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)					

GenericUSE1GramWithElevs2019f.out

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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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	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)

GenericUSE1GramWithElevs2019f.out

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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2019f.out

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)
 ♀ *** 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	DISTANCE (METERS)				
(DEGREES)	600.00	700.00	800.00	900.00	1000.00

10.0 (19102124)	1277.42059 (19102124)	1036.89847 (19102124)	855.30419 (19102124)	723.37131 (19102124)	624.65253 (19102124)
20.0 (19020308)	1079.88500 (19020308)	861.41069 (19020308)	705.36818 (19020308)	601.31747 (19020308)	530.22140 (19020308)
30.0 (19010324)	901.76388 (19010324)	717.44285 (19010324)	586.11916 (19010324)	493.29284 (19010324)	421.95890 (19010324)
40.0 (19021924)	1172.98858 (19021924)	927.52722 (19021924)	761.30265 (19021924)	637.58105 (19021924)	552.24533 (19021924)
50.0 (19112724)	1305.05575 (19112724)	1039.03214 (19112724)	838.93249 (19112724)	691.56305 (19112724)	583.18438 (19112724)
60.0 (19112724)	1512.41842 (19112724)	1191.23371 (19112724)	945.04927 (19112724)	796.86816 (19112724)	687.14952 (19112724)
70.0 (19103124)	1101.75302 (19103124)	899.35582 (19103124)	734.88001 (19103124)	627.43617 (19103124)	546.17259 (19103124)
80.0 (19103124)	889.80362 (19103124)	706.13105 (19103124)	572.46882 (19103124)	475.83328 (19103124)	398.94962 (19103124)
90.0 (19020324)	920.84021 (19020324)	721.59135 (19020324)	597.21821 (19020324)	500.63711 (19020324)	425.82703 (19020324)
100.0 (19020324)	1015.38003 (19020324)	788.37618 (19020324)	682.56238 (19020324)	575.89244 (19020324)	502.53055 (19020324)
110.0 (19032224)	776.00169 (19032224)	604.07272 (19032224)	508.89864 (19032224)	428.51169 (19032224)	369.45099 (19032224)
120.0 (19032624)	917.59541 (19032624)	720.74909 (19032624)	615.07963 (19032624)	519.09875 (19032624)	451.40545 (19032624)
130.0 (19120424)	1223.47955 (19120424)	947.65527 (19120424)	800.55999 (19120424)	710.32456 (19120424)	612.80187 (19120424)
140.0 (19112424)	1270.25812 (19112424)	984.55319 (19112424)	792.91114 (19112424)	660.40208 (19112424)	580.90353 (19112424)
150.0 (19121424)	1386.45213c(19121424)	1107.48786c(19121424)	907.70539c(19121424)	726.85074c(19121424)	628.03577c(19121424)
160.0 (19031208)	1033.89275c(19031208)	842.69780c(19031208)	698.37326c(19031208)	571.69326c(19031208)	502.60163c(19031208)
170.0 (19112808)	1201.31797 (19112808)	968.67752 (19112808)	801.67841 (19112808)	737.34629 (19112808)	558.63883 (19112808)
180.0 (19112524)	828.04856 (19112524)	668.99022 (19112524)	550.82324 (19112524)	459.25261 (19112524)	388.48878 (19112524)
190.0 (19120524)	1029.11689 (19120524)	808.08863 (19120524)	655.22048 (19120524)	547.27298 (19120524)	465.81141 (19120524)
200.0 (19120524)	946.44703 (19120524)	757.10802 (19120524)	623.01624 (19120524)	523.55962 (19120524)	447.77952 (19120524)
210.0 (19012524)	820.08721 (19012524)	649.53423 (19012524)	531.35372 (19012524)	444.00620 (19012524)	373.18443 (19012524)
220.0 (19012124)	654.48472 (19012124)	507.22162 (19012124)	435.51846 (19012124)	356.17140 (19012124)	303.49023 (19012124)
230.0 (19111024)	994.13957 (19111024)	787.07119 (19111024)	643.78255 (19111024)	543.36129 (19111024)	469.48064 (19111024)
240.0 (19111024)	866.90254 (19111024)	690.53163 (19111024)	571.25852 (19111024)	478.68799 (19111024)	399.72603 (19111024)

GenericUSE1GramWithElevs2019f.out

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

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*** MODELOPTs: RegDEFAULT 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	DISTANCE (METERS)				
(DEGREES)	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)

GenericUSE1GramWithElevs2019f.out

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)

♀ *** 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: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

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

**

DIRECTION (DEGREES)	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	
20.0 269.31400 (19020308)	239.92399 (19020308)	221.93594 (19020308)	208.54255 (19020308)	195.56786	
30.0 204.93059 (19010324)	188.49336 (19010324)	171.46751 (19010324)	156.26688 (19010324)	144.67986	
40.0 263.17841 (19021924)	241.13114 (19021924)	222.58296 (19021924)	206.48446 (19021924)	192.30258	
50.0 260.16194 (19112724)	231.60326 (19112724)	210.87129 (19112724)	192.22325 (19112724)	179.08448	
60.0 331.16539 (19112724)	304.76225 (19112724)	273.94132 (19112724)	252.84247 (19112724)	237.38776	
70.0 278.74196 (19103124)	252.34825 (19103124)	233.66537 (19103124)	215.93896 (19103124)	198.48167	
80.0 195.25836 (19103124)	178.24019 (19103124)	163.13509 (19103124)	148.94706 (19103124)	138.60400	
90.0 202.84219 (19020324)	182.27439 (19020324)	170.50301 (19020324)	154.21997 (19020324)	144.05136	
100.0 265.24035 (19020324)	242.14280 (19020324)	222.20432 (19020324)	203.86285 (19020324)	190.70715	
110.0 178.74538 (19032224)	161.60600 (19032224)	147.42797 (19032224)	135.10753 (19032224)	125.35446	
120.0 232.77609 (19090624)	215.28004 (19090624)	201.06392 (19090624)	185.89607 (19090624)	173.10262	
130.0 303.18953 (19123124)	281.88288 (19123124)	263.16386 (19123124)	248.82756 (19123124)	229.08315	
140.0 276.25810 (19112424)	244.01917 (19112424)	225.21210 (19112424)	204.41893 (19112424)	186.65309	
150.0 373.08139c(19121424)	327.87647c(19121424)	305.62165c(19121424)	285.12121c(19121424)		
160.0 255.95810c(19031208)	244.83654c(19031208)	227.56541c(19031208)	213.65277c(19031208)		
170.0 290.06619 (19112808)	271.63278 (19112808)	254.98050 (19112808)	238.96847 (19112808)	225.41764	
180.0 196.52894 (19112524)	177.75050 (19112524)	164.65500 (19112024)	153.30824 (19112024)	144.12051	
190.0 211.62978 (19120524)	193.24543 (19120524)	178.50292 (19120524)	169.45431 (19120524)	157.02741	
200.0 234.00713 (19011608)	188.82569 (19120524)	174.44070 (19120524)	173.06253 (19011608)	160.42385	
210.0 171.96344 (19012524)	158.09281 (19012524)	144.57377 (19012524)	141.40105 (19112924)	132.20539	
220.0 155.11227 (19100908)	120.95253 (19120808)	111.23800 (19012124)	103.12544 (19012124)	100.36186	
230.0 224.86427 (19111024)	210.24403 (19111024)	192.04270 (19111024)	170.88400 (19111024)	163.44745	
240.0 195.71010 (19120708)	177.01266 (19120708)	155.74858 (19120708)	140.39688 (19111024)	135.47909	
250.0 211.13406 (19120708)	191.33374 (19120708)	178.57894 (19120708)	159.21615 (19120708)	145.17059	
260.0 267.53049 (19020608)	240.91964 (19020608)	218.96782 (19020608)	198.40319 (19020608)	186.11684	
270.0 249.02702 (19010224)	225.85094 (19010224)	205.47214 (19010224)	188.23208 (19010224)	174.63204	

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)

♀ *** 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: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN SRCID (YYMMDDHH)	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)

♀ *** 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: RegDEFAULT 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)	100.00	200.00	300.00	400.00	500.00
DISTANCE (METERS)					

GenericUSE1GramWithElevs2019f.out

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)
 ♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
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*** MODELOPTs: RegDEFAULT 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)	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)					

GenericUSE1GramWithElevs2019f.out

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 *** **

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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	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)					

GenericUSE1GramWithElevs2019f.out

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 *** **

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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)	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 (19101624)	
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 *** ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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: RegDEFAULT 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)	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: RegDEFAULT 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	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)

GenericUSE1GramWithElevs2019f.out

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 ***
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*** AERMET - VERSION 19191 *** ***

*** 15:12:07

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): TANK ,

GenericUSE1GramWithElevs2019f.out
 *** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

**

DIRECTION (DEGREES)	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)	

GenericUSE1GramWithElevs2019f.out

280.0 (19102808)	327.29522 (19102808)	298.84314 (19102808)	271.28935 (19102808)	248.66145 (19102808)	232.19307
290.0 (19022208)	368.10490 (19110508)	327.65545 (19110508)	297.40429 (19022208)	269.20959 (19022208)	245.54975
300.0 (19020708)	329.15243 (19020708)	287.50880 (19020708)	254.75038 (19020708)	230.71645 (19020708)	208.24320
310.0 (19021708)	336.08089 (19021708)	299.58542 (19021708)	263.99509 (19021708)	237.35594 (19021708)	209.15692
320.0 (19122908)	315.90700 (19122908)	282.16400 (19122908)	248.64361 (19122908)	222.23882 (19122908)	198.56165
330.0 (19103108)	260.82019 (19103108)	231.98470 (19103108)	208.06462 (19103108)	188.54395 (19103108)	170.39732
340.0 (157.15680c(19022308))	244.66047c(19022308)	217.16964c(19022308)	194.41193c(19022308)	174.49009c(19022308)	
350.0 (19010408)	219.59730 (19042308)	191.18544 (19010408)	169.43621 (19010408)	151.16907 (19010408)	137.16545
360.0 (19041324)	429.22491 (19041324)	380.61259 (19041324)	340.01488 (19041324)	305.85749 (19041324)	278.29756

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
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*** AERMET - VERSION 19191 *** ***

*** 15:12:07

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*** MODELOPTS: RegDEFAULT 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)	1600.00	1700.00	1800.00	1900.00	2000.00
10.0 (19120724)	227.48598 (19120724)	208.55277 (19120724)	190.54914 (19120724)	175.17633 (19120724)	159.16316
20.0 (19120724)	184.40778 (19120724)	164.71922 (19120724)	151.69950 (19120724)	140.30531 (19120724)	129.25452
30.0 (19120824)	167.47497 (19120824)	151.81992 (19120124)	139.03522 (19120824)	127.98125 (19120824)	119.26985
40.0 (119.33144c(19031524))	162.64113c(19031524)	149.56125c(19031524)	138.25168c(19031524)	128.29998c(19031524)	
50.0 (124.40209c(19031524))	170.77785c(19031524)	156.30939c(19031524)	143.73678c(19031524)	132.93929c(19031524)	
60.0 (19101524)	196.79433 (19101524)	181.19524 (19101524)	165.49077 (19101524)	152.46518 (19101524)	142.41648
70.0 (19112724)	186.53645 (19112724)	167.55790 (19112724)	153.07001 (19021524)	141.07022 (19112724)	131.61774
80.0 (97.76421c(19091524))	131.60632 (19081724)	120.18475 (19081724)	107.52899 (19081724)	104.18620 (19081724)	
90.0 (19042108)	159.31821 (19042108)	146.98891 (19042108)	131.97570 (19060224)	123.73134 (19042108)	114.09329
100.0 (19081124)	168.93020 (19081124)	154.77921 (19081124)	142.88110 (19081124)	131.11075 (19081124)	122.30708
110.0 (19022824)	148.06295c(19091524)	135.39638 (19011324)	122.68214c(19091524)	112.26760 (19022824)	104.09279
120.0 (19041008)	198.33159 (19032224)	182.47347 (19032224)	163.73046 (19041008)	151.88733 (19041008)	142.03168
130.0 (19111924)	287.09951 (19111924)	267.24210 (19111924)	242.51826 (19111924)	228.25120 (19111924)	209.86108

GenericUSE1GramWithElevs2019f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2019 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 ***
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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT 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 ***
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*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT 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.	23232.77928 (19010224) AT (	-54.00, -0.00) DP	26.	12479.60809 (19112424) AT (	64.28, -76.60) GP
2.	23193.48862 (19112008) AT (	-54.00, -0.00) DP	27.	12456.45501 (19043016) AT (	-54.00, -0.00) DP
3.	18052.88134 (19112724) AT (	86.60, 50.00) GP	28.	12444.41605 (19120608) AT (	-54.00, -0.00) DP
4.	17612.06441 (19112724) AT (	76.60, 64.28) GP	29.	12390.56373 (19020116) AT (	-54.00, -0.00) DP
5.	16999.52987 (19020608) AT (	-54.00, -0.00) DP	30.	12338.55741 (19011224) AT (	86.60, 50.00) GP
6.	16984.87708 (19122116) AT (	-54.00, -0.00) DP	31.	12321.22923 (19113008) AT (	-54.00, -0.00) DP
7.	16892.55873 (19102416) AT (	-54.00, -0.00) DP	32.	12243.07488 (19082108) AT (	-54.00, -0.00) DP
8.	16605.28727 (19111808) AT (	-54.00, -0.00) DP	33.	12231.30225 (19102424) AT (	-54.00, -0.00) DP
9.	16393.20384 (19072124) AT (	-54.00, -0.00) DP	34.	12196.51781 (19111924) AT (	76.60, -64.28) GP
10.	16102.84663 (19010108) AT (	-54.00, -0.00) DP	35.	12184.84510 (19112724) AT (	93.97, 34.20) GP
11.	15874.39475 (19081924) AT (	-54.00, -0.00) DP	36.	12111.33807 (19010224) AT (	-100.00, -0.00) GP
12.	14634.72227c(19010208) AT (	-54.00, -0.00) DP	37.	12053.13503 (19112424) AT (	76.60, -64.28) GP
13.	14453.55141 (19122816) AT (	-54.00, -0.00) DP	38.	11964.00134 (19120424) AT (	76.60, -64.28) GP
14.	14359.09726 (19051616) AT (	-54.00, -0.00) DP	39.	11933.87489 (19112808) AT (	34.20, -93.97) GP
15.	14143.38000 (19111908) AT (	-54.00, -0.00) DP	40.	11902.16576 (19121516) AT (	-54.00, -0.00) DP
16.	13656.80568 (19011124) AT (	-54.00, -0.00) DP	41.	11813.43988 (19121524) AT (	-54.00, -0.00) DP
17.	13459.57600 (19042916) AT (	-54.00, -0.00) DP	42.	11774.41877 (19071508) AT (	-54.00, -0.00) DP
18.	13442.91562 (19040416) AT (	-54.00, -0.00) DP	43.	11700.02799 (19120424) AT (	83.35, -54.92) DP
19.	13291.67116 (19050816) AT (	-54.00, -0.00) DP	44.	11688.47774 (19112808) AT (	17.36, -98.48) GP
20.	13281.29820 (19021108) AT (	-54.00, -0.00) DP	45.	11587.39767c(19121024) AT (	17.36, 98.48) GP
21.	13178.76623 (19021924) AT (	64.28, 76.60) GP	46.	11443.88209 (19021016) AT (	-54.00, -0.00) DP
22.	13057.28419 (19102908) AT (	-54.00, -0.00) DP	47.	11433.76899 (19021924) AT (	76.60, 64.28) GP
23.	12896.05046 (19042208) AT (	-54.00, -0.00) DP	48.	11416.04775c(19121424) AT (	64.28, -76.60) GP
24.	12773.96433 (19112724) AT (	100.52, 42.67) DP	49.	11403.93084c(19121024) AT (	-1.42, 81.42) DP
25.	12564.98288 (19111908) AT (	-93.97, 34.20) GP	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

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

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

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: RegDEFAULT 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 ***

**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

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*** MODELOPTs: RegDEFAULT 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)

GenericUSE1GramWithElevs2020f.out

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 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** AREA SOURCE DATA ***

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

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID SOURCE IDs

ALL TANK ,

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID URBAN POP SOURCE IDs

397809. TANK

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** MODELOPTs: RegDEFAULT 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,				

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

DIRECTION (DEGREES)	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

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

* ELEVATION HEIGHTS IN METERS *

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

GenericUSE1GramWithElevs2020f.out

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

♀ *** 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*

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

* ELEVATION HEIGHTS IN METERS *

DIRECTION	DISTANCE (METERS)	
(DEGREES)	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

GenericUSE1GramWithElevs2020f.out

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

♀ *** 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*

*** 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

GenericUSE1GramWithElevs2020f.out

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

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	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

♀ *** 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: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

* HILL HEIGHT SCALES IN METERS *

DIRECTION (DEGREES)	1900.00	2000.00
DISTANCE (METERS)		
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

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020
12/09/22

*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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);

GenericUSE1GramWithElevs2020f.out

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

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*** MODELOPTs: RegDEFAULT 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	

GenericUSE1GramWithElevs2020f.out

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 ***
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*** MODELOPTs: RegDEFAULT 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

GenericUSE1GramWithElevs2020f.out

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 ***
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*** MODELOPTs: RegDEFAULT 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) | 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 ***
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*** AERMET - VERSION 19191 ***

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*** 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)	ORIGIN CONC	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 ***
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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 ,

GenericUSE1GramWithElevs2020f.out
 *** NETWORK ID: POL1 ; NETWORK TYPE: GRIDPOLR ***

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

DIRECTION (DEGREES)	100.00	200.00	300.00	400.00	500.00
10.0 37057.05914 (20040806)	16324.30333 (20040806)	9747.61488 (20040806)	6649.35546 (20040806)		
20.0 47187.46029 (20121320)	20880.96552 (20121320)	12530.20114 (20121320)	8613.42807 (20121320)		
30.0 39172.53729 (20011219)	18049.39084 (20011219)	11060.54410 (20011219)	7688.96821 (20011219)		
40.0 41986.66106 (20121918)	18074.62162 (20121918)	10783.97531 (20120418)	7518.60402 (20120418)		
50.0 42197.73548 (20121918)	18107.36289 (20121918)	10589.79283 (20121918)	7081.02893 (20121918)		
60.0 40344.35964 (20120506)	18119.69756 (20120506)	10862.96441 (20120506)	7375.24986 (20120506)		
70.0 37443.88878 (20112620)	16812.42543 (20112620)	9975.11775 (20112620)	6727.43562 (20112620)		
80.0 29939.85540 (20021820)	13746.13415 (20021820)	8406.87531 (20112619)	5769.18218 (20112619)		
90.0 30453.39400 (20092420)	13534.61658 (20092420)	7928.56219 (20092420)	5280.04947 (20092420)		
100.0 38927.26219 (20080407)	16023.54471 (20081020)	9435.71740 (20081020)	6316.52758 (20081020)		
110.0 52588.65975 (20080407)	21520.73346 (20080407)	12289.18004 (20080407)	8025.20947 (20080407)		
120.0 44755.97310 (20080407)	18568.77988 (20080407)	10543.99129 (20080407)	6915.36435 (20080407)		
130.0 35681.48159 (20082320)	16664.97265 (20082320)	10018.67812 (20082320)	6781.66957 (20082320)		
140.0 44206.70134 (20042107)	18163.33104 (20042107)	10563.64418 (20101207)	7084.93610 (20101207)		
150.0 43090.73646 (20042107)	19179.16865 (20042107)	11283.44919 (20042107)	7683.78649 (20042107)		
160.0 44419.68088 (20080406)	20086.07706 (20011606)	11846.59060 (20011606)	8161.47729 (20011606)		
170.0 41258.86670 (20072521)	18833.27550 (20072521)	11202.93971 (20072521)	7491.72206 (20072521)		
180.0 39659.57810 (20092606)	16553.79531 (20092606)	9922.56395 (20053021)	6847.56429 (20053021)		
190.0 39373.06617 (20062106)	16283.23221 (20050406)	9479.55613 (20050406)	6450.64727 (20050406)		
200.0 37632.34895 (20062106)	15695.35321 (20062106)	9020.23062 (20062106)	5993.22332 (20062106)		
210.0 34818.69046 (20030106)	13829.29956 (20030106)	8104.38239 (20030106)	5518.29455 (20092707)		
220.0 35427.14287 (20081607)	14450.76187 (20081607)	8488.87333 (20081607)	5796.01892 (20081607)		
230.0 31148.13033 (20031106)	13272.51962 (20031106)	7735.42792 (20031106)	5305.80030 (20031106)		
240.0 33047.13980 (20081807)	14194.42926 (20081807)	8364.01471 (20081807)	5692.41425 (20081807)		
250.0 35513.74712 (20020306)	14623.06718 (20020306)	8629.30266 (20032306)	5871.83052 (20032306)		
260.0 37850.44523 (20092607)	16255.39998 (20092607)	9575.61922 (20092607)	6634.90432 (20092607)		
270.0 34210.26696 (20092607)	14538.76379 (20021707)	8787.60796 (20021707)	6069.96277 (20021707)		

GenericUSE1GramWithElevs2020f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** MODELOPTS: RegDEFAULT 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	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)					

GenericUSE1GramWithElevs2020f.out

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
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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

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-----
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)

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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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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	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)

GenericUSE1GramWithElevs2020f.out

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 ***
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN SRCID (YYMMDDHH)	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)

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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 ***

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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)					

GenericUSE1GramWithElevs2020f.out

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)

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** MODELOPTs: RegDEFAULT 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 | 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)

GenericUSE1GramWithElevs2020f.out

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)			

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020
12/09/22

*** AERMET - VERSION 19191 ***

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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)	1100.00	1200.00	1300.00	1400.00	1500.00
10.0 1591.64567 (20041906) 1055.04575 (20012421)	1422.74830 (20041906)	1274.81048 (20041906)	1159.14138 (20041906)		
20.0 1872.87240 (20081106) (20081106)	1663.01006 (20081106)	1479.74869 (20081106)	1333.77950 (20081106)	1208.62300	
30.0 1571.64299 (20052721) 1028.49210 (20052721)	1389.74148 (20052721)	1262.34884 (20052721)	1145.80379 (20052721)		
40.0 1492.83994 (20121918) (20121918)	1310.67853 (20121918)	1174.35177 (20121918)	1060.83472 (20121918)	965.05921	
50.0 1626.00732 (20121918) 1028.48948 (20121918)	1394.38783 (20121918)	1241.04458 (20121918)	1149.65371 (20121918)		
60.0 1374.89285 (20070420) (20070420)	1201.52574 (20070420)	1084.40910 (20070420)	989.26878 (20070420)	911.86490	
70.0 1650.77862 (20112620) (20112620)	1437.22270 (20112620)	1262.60450 (20112620)	1131.65047 (20112620)	1028.07441	
80.0 1440.94284 (20021820) (20082920)	1276.22436 (20021820)	1128.35019 (20021820)	1006.92024 (20021820)	904.61129	
90.0 1268.56610 (20121418) (20121418)	1125.92460 (20121418)	1011.24441 (20121418)	914.37348 (20121418)	828.50643	
100.0 1516.21080 (20081020) 1008.77940 (20081020)	1321.74752 (20081020)	1236.65656 (20081020)	1122.96931 (20081020)		
110.0 1442.70229 (20091807) (20042606)	1289.92356 (20091807)	1174.51565 (20091807)	1042.92802 (20091807)	940.44910	
120.0 1572.81959 (20101120) (20101120)	1321.81104 (20081421)	1220.53697 (20101120)	1115.47729 (20101120)	988.91797	
130.0 1511.36930 (20092521) (20081521)	1326.92123 (20081521)	1167.34844 (20081521)	1039.96757 (20081521)	935.28546	
140.0 1607.80718 (20012521) 1070.63821 (20101207)	1424.23913 (20101207)	1264.73893 (20101207)	1153.91370 (20101207)		
150.0 1755.69068 (20101206) 1200.49667 (20101206)	1533.37765 (20101206)	1366.38388 (20101206)	1235.07163 (20101206)		
160.0 1681.37258 (20091519) 1252.02801 (20091519)	1493.02495 (20091519)	1517.16387 (20091519)	1424.96198 (20091519)		
170.0 1734.88091 (20020820) 1124.38341 (20020820)	1379.25161 (20020820)	1235.36492 (20020820)	1177.07870 (20020820)		
180.0 1681.15048 (20040506) 1058.68318 (20040506)	1429.86069 (20040506)	1181.23984 (20040506)	1067.65184 (20040506)		
190.0 1480.02629 (20031006) (20031006)	1302.55656 (20062106)	1129.67148 (20031006)	1021.95074 (20031006)	829.11473	
200.0 1357.21115 (20021706) 1032.07889 (20121021)	1191.06346 (20021706)	1087.29952 (20021706)	1013.14121 (20062106)		
210.0 1276.22372 (20120607) (20120607)	1117.66520 (20120607)	1009.29955 (20120607)	902.37147 (20120607)	881.36458	
220.0 1307.45058 (20120920) (20120920)	1120.92486 (20120920)	989.59409 (20120920)	916.81161 (20120920)	833.23611	
230.0 1192.38843 (20081720) (20081720)	1048.79456 (20081720)	894.70117 (20081720)	814.57618 (20081720)	702.32373	

GenericUSE1GramWithElevs2020f.out

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 ***
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 *** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2020f.out

100.0 (20081020)	901.12115 (20081020)	818.21926 (20081020)	760.00276 (20081020)	689.19774 (20081020)	650.98036
110.0 (20042606)	877.47614 (20042606)	802.34040 (20042606)	739.36644 (20042606)	679.58789 (20042606)	631.77046
120.0 (20081421)	913.75697 (20101120)	847.30194 (20101120)	793.84818 (20081421)	730.97958 (20081421)	677.95759
130.0 (20092521)	861.54156 (20092521)	807.07958 (20092521)	755.02272 (20092521)	717.78070 (20092521)	660.19734
140.0 (20112819)	976.81214 (20101207)	901.39801 (20112819)	835.69641 (20112819)	785.92352 (20112819)	726.99454
150.0 (20042107)	1134.87211 (20042107)	977.85391 (20101206)	915.55233 (20101206)	855.88936 (20042107)	808.41699
160.0 (20091519)	1064.48244 (20091519)	1040.59053 (20091519)	971.24250 (20091519)	920.37536 (20091519)	851.97316
170.0 (20020820)	1001.68574 (20020820)	937.01686 (20020820)	879.71816 (20020820)	823.98719 (20020820)	777.77082
180.0 (20040506)	983.67851 (20040506)	892.78515 (20040506)	833.23740 (20040506)	776.29153 (20040506)	735.55471
190.0 (20031006)	759.13073 (20031006)	698.78042 (20031006)	646.28218 (20031006)	658.86290 (20031006)	620.66614
200.0 (20121021)	880.64229 (20021706)	650.29795 (20021706)	600.91407 (20021706)	621.41494 (20121021)	583.53785
210.0 (20030106)	676.84597 (20092707)	623.03676 (20092707)	576.22792 (20092707)	571.90735 (20030106)	543.37641
220.0 (20120920)	890.27361 (20120920)	605.11826 (20120920)	559.89644 (20120920)	520.37235 (20120920)	521.74244
230.0 (20081720)	654.76941 (20081720)	615.63279 (20081720)	561.57287 (20081720)	496.01517 (20081720)	476.75328
240.0 (20030107)	756.20777 (20030107)	683.77050 (20030107)	584.80907 (20030107)	519.12459 (20030107)	523.61253
250.0 (20121107)	787.22093 (20121107)	711.93780 (20121107)	666.07848 (20121107)	588.24119 (20121107)	522.91167
260.0 (20080807)	951.12172 (20080807)	853.86931 (20080807)	775.42591 (20080807)	702.79290 (20080807)	664.35775
270.0 (20121920)	803.36101 (20051021)	729.63233 (20051021)	665.40968 (20051021)	612.63414 (20051021)	569.74255
280.0 (20080806)	999.18113 (20080806)	897.93588 (20080806)	827.12108 (20080806)	773.66925 (20080806)	732.34076
290.0 (20032307)	989.32292 (20032307)	914.67999 (20032307)	849.60991 (20032307)	800.74166 (20032307)	744.49163
300.0 (20081721)	910.53955 (20081721)	828.28349 (20081721)	755.19924 (20081721)	692.72365 (20081721)	661.03937
310.0 (20081621)	902.23631 (20081621)	822.06220 (20081621)	755.93548 (20081621)	686.51253 (20081621)	638.67130
320.0 (20031307)	747.33389 (20031307)	678.64454 (20031307)	650.64152 (20031307)	579.50498 (20031307)	538.48719
330.0 (20112807)	829.32868 (20112807)	768.02964 (20112807)	692.76283 (20112807)	625.15539 (20112807)	593.42278
340.0 (20083020)	786.74955 (20083020)	727.75707 (20083020)	644.64658 (20083020)	598.91197 (20083020)	564.78387
350.0 (20041806)	823.54976 (20041806)	756.06944 (20041806)	701.83306 (20041806)	651.56688 (20041806)	610.33384
360.0 (20011220)	933.85067 (20020421)	861.73258 (20011220)	799.01787 (20011220)	736.44125 (20011220)	682.92087

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

GenericUSE1GramWithElevs2020f.out
INCLUDING SOURCE(S): TANK ,

*** DISCRETE POLAR RECEPTOR POINTS ***

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

ORIGIN SRCID (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2020f.out

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
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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 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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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	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)

GenericUSE1GramWithElevs2020f.out

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)					

♀ *** AERMOD - VERSION 19191 *** ** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
 12/09/22

*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT 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	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)

GenericUSE1GramWithElevs2020f.out

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 ***
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*** AERMET - VERSION 19191 *** ***

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

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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)	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)

GenericUSE1GramWithElevs2020f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020
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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)	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)	

GenericUSE1GramWithElevs2020f.out

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 ***
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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	DISTANCE (METERS)				
(DEGREES)	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)

GenericUSE1GramWithElevs2020f.out

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)

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

GenericUSE1GramWithElevs2020f.out
INCLUDING SOURCE(S): TANK ,

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

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

DIRECTION (DEGREES)	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 ***
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*** AERMET - VERSION 19191 *** ***

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

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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)	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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)

GenericUSE1GramWithElevs2020f.out

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)					

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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	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)					

GenericUSE1GramWithElevs2020f.out

30.0 (20102924)	306.89597 (20102924)	270.41712 (20102924)	239.69752 (20102924)	215.71920 (20102924)	194.12523
40.0 (20041424)	242.53506 (20041424)	211.38963 (20041424)	185.59561 (20041424)	167.33204 (20041424)	151.37042
50.0 (20070424)	274.75414 (20070424)	243.00612 (20070424)	217.87346 (20070424)	192.67038 (20070424)	174.08836
60.0 (20070424)	282.10446 (20070424)	246.87405 (20070424)	216.80250 (20070424)	196.79268 (20070424)	175.83223
70.0 (20082724)	326.88999 (20082724)	288.56225 (20082724)	257.57718 (20082724)	232.32799 (20082724)	210.95583
80.0 (20071124)	337.92029 (20071124)	297.58583 (20071124)	264.21119 (20071124)	236.40745 (20071124)	211.98375
90.0 (20092424)	300.60210 (20092424)	261.37632 (20092424)	235.81656 (20092424)	210.61546 (20092424)	187.92787
100.0 (20092424)	311.72938 (20092424)	276.93757 (20092424)	248.68908 (20092424)	222.16203 (20092424)	202.05059
110.0 (20101124)	287.71371 (20101124)	254.21920 (20101124)	219.74451 (20101124)	194.48687 (20101124)	172.29428
120.0 (20020224)	328.94021 (20081424)	286.03846 (20111224)	253.84183 (20020224)	230.71901 (20020224)	206.53698
130.0 (20092524)	501.70231 (20092524)	436.77811 (20092524)	384.26466 (20092524)	343.79689 (20092524)	312.29239
140.0 (20012524)	538.03298 (20012524)	472.80850 (20012524)	417.87862 (20012524)	377.61446 (20012524)	347.23164
150.0 (20041524)	420.02698 (20041524)	367.00123 (20041524)	325.92707 (20041524)	292.40977 (20041524)	267.97898
160.0 (20122124)	404.08277 (20122124)	354.15034 (20122124)	327.09275 (20122124)	296.57239 (20122124)	265.36390
170.0 (20020824)	349.02138 (20020824)	302.09700 (20011608)	262.24754 (20011608)	237.72308 (20020824)	223.86796
180.0 (20100124)	334.24993 (20010108)	287.76979 (20010108)	243.57609 (20100124)	218.77881 (20100124)	206.38791
190.0 (20010108)	368.65724 (20010108)	328.68673 (20010108)	284.53395 (20010108)	261.47885 (20010108)	215.05951
200.0 (20032108)	341.32320 (20120908)	299.54937 (20120908)	266.98834 (20120908)	246.84726 (20120908)	230.03832
210.0 (20112408)	400.09015 (20122308)	350.43524 (20122308)	315.69255 (20122308)	281.43036 (20122308)	
220.0 (20121824)	350.40075 (20121824)	303.12790 (20121824)	266.16836 (20121824)	244.80969 (20121824)	223.13860
230.0 (20021908)	322.40352 (20021908)	284.17658 (20021908)	244.15857 (20021908)	222.22231 (20021908)	192.67920
240.0 (20121108)	391.29272 (20122724)	340.96548 (20121108)	299.39685 (20121108)	267.95135 (20121108)	235.48809
250.0 (20121108)	322.18978 (20121108)	281.85471 (20121108)	251.92012 (20121108)	220.06112 (20121108)	194.47536
260.0 (20100808)	326.38415 (20100808)	289.80452 (20100808)	259.18329 (20100808)	232.65179 (20100808)	210.58977
270.0 (20011324)	326.70069 (20011324)	288.76923 (20011324)	258.08109 (20011324)	230.59209 (20011324)	210.16369
280.0 (20081408)	425.76272c(20081408)	390.58981c(20081408)	360.79388c(20081408)	331.95954c(20081408)	
290.0 (20122008)	377.21218 (20020308)	321.17387 (20122008)	278.60697 (20122008)	252.30782 (20122008)	224.36725
300.0 (20123124)	354.44739m(20123124)	312.22882m(20123124)	273.83761m(20123124)	244.18372m(20123124)	
310.0 (20021208)	320.48899c(20021208)	276.35384c(20021208)	249.21826c(20021208)	225.68224c(20021208)	
320.0 (20030408)	379.42079 (20030408)	340.69016 (20030408)	303.92112 (20030408)	274.36776 (20030408)	249.53127
330.0 (20030408)	306.64256 (20030408)	272.08658 (20030408)	243.62470 (20030408)	215.30906 (20030408)	194.93134

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 ***
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*** AERMET - VERSION 19191 *** ***

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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)	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)	

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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 ***
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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC (YYMMDDHH)	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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)	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)	

GenericUSE1GramWithElevs2020f.out

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 ***
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*** AERMET - VERSION 19191 ***

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*** MODELOPTs: RegDEFAULT 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)	
90.0	630.29107 (20021824)	497.57029 (20021824)	389.76416 (20021824)	314.64172 (20021824)	250.87807 (20021824)

GenericUSE1GramWithElevs2020f.out

100.0 (20010724)	541.68149 (20010724)	430.96682 (20121424)	345.74857 (20010724)	289.41559 (20010724)	248.25998
110.0 (20022824)	669.61940c(20091808)	524.01059 (20020224)	431.02143c(20091808)	366.61129c(20091808)	
120.0 (20111224)	793.50014 (20081424)	614.32458 (20081424)	519.19988 (20081424)	434.13699 (20010424)	375.70533
130.0 (20022824)	1032.39580 (20111224)	816.17587 (20111224)	682.17003 (20111224)	591.22910 (20022824)	514.00137
140.0 (20091824)	1036.44060 (20020124)	804.54426 (20101324)	646.95589 (20020124)	547.96532 (20020124)	499.04763
150.0 (20101208)	915.92795 (20101208)	724.24682 (20101208)	590.80991 (20101208)	473.52214 (20101208)	403.53839
160.0 (20111308)	919.65543 (20120824)	737.14949 (20111308)	602.95425 (20111308)	497.13012 (20111308)	430.84875
170.0 (20020824)	834.67046 (20020824)	676.81955 (20020824)	558.29901 (20020824)	450.26396 (20011608)	394.05969
180.0 (20100124)	781.92016 (20100124)	630.07866 (20100124)	521.78749 (20100124)	440.81475 (20100124)	375.81330
190.0 (20111624)	707.98473 (20111624)	565.89062 (20111624)	459.51302 (20111624)	384.19482 (20111624)	327.93151
200.0 (20111624)	813.12916 (20120908)	653.63455c(20112408)	530.48544c(20112408)	441.59124c(20112408)	
210.0 (20123008)	890.45758 (20123008)	737.97540 (20123008)	597.90430 (20123008)	506.03834 (20123008)	425.72460
220.0 (20011808)	749.73242 (20010824)	601.76142 (20011808)	522.21730 (20011808)	416.24060 (20011808)	356.46500
230.0 (20011808)	754.48790 (20120324)	596.97000 (20120324)	476.41075 (20011808)	402.80453 (20011808)	344.08454
240.0 (20120324)	892.37484 (20120324)	708.12548 (20120324)	577.25204 (20120324)	483.07698 (20120324)	404.06935
250.0 (20120324)	723.55115 (20120324)	572.72932 (20120324)	471.28506 (20120324)	388.13620 (20120324)	329.38351
260.0 (20102324)	738.33856 (20100808)	599.74075 (20100808)	500.27719 (20100808)	429.25448 (20100808)	368.05698
270.0 (20010924)	707.90558 (20122008)	551.86212 (20122008)	443.91927 (20090408)	372.01189m(20010924)	
280.0 (20111508)	756.06813 (20020308)	611.72133 (20111508)	504.35290 (20111508)	423.73368 (20111508)	365.77904
290.0 (20112608)	788.10027 (20112608)	639.11761 (20112608)	523.80015 (20112608)	442.10065 (20112608)	383.60808
300.0 (20011824)	792.29739 (20011824)	631.98308 (20011824)	515.11327 (20011824)	431.83263 (20011824)	363.91475
310.0 (20011824)	760.69460 (20011824)	600.11033 (20011824)	492.77755 (20011824)	407.12063 (20011824)	350.20002
320.0 (20121008)	852.44255 (20030408)	693.98017 (20030408)	572.10642c(20121008)	491.37464c(20121008)	
330.0 (20030308)	661.34240 (20030308)	538.05735 (20030308)	446.86364 (20030308)	374.53415 (20030308)	323.98539
340.0 (20102824)	672.57008 (20021308)	543.01811 (20021308)	441.93732 (20102824)	377.81005 (20102824)	328.04760
350.0 (20122408)	599.80902 (20012924)	483.53798 (20122408)	397.45353 (20122408)	342.43713 (20122408)	291.89715
360.0 (20021224)	849.96493 (20021224)	688.58070 (20021224)	567.31894 (20021224)	483.66639 (20021224)	420.39335

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

GenericUSE1GramWithElevs2020f.out
INCLUDING SOURCE(S): TANK ,

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

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

DIRECTION (DEGREES)	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 (20102924)	
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)	

GenericUSE1GramWithElevs2020f.out

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)

♀ *** AERMOD - VERSION 19191 *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** AERMET - VERSION 19191 ***

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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)	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)					

GenericUSE1GramWithElevs2020f.out

130.0 (20022824)	257.51735 (20022824)	237.45377 (20022824)	220.77703 (20022824)	208.44018 (20022824)	192.25708
140.0 (20091824)	265.67530 (20091824)	246.00089 (20091824)	227.38351 (20091824)	213.07636 (20091824)	197.43454
150.0 (20101208)	232.76132 (20101208)	206.81557 (20101208)	193.53607 (20101208)	177.69633 (20101208)	164.87603
160.0 (20111308)	210.41753 (20111308)	195.18011 (20111308)	181.03968 (20111308)	169.60609 (20111308)	155.89842
170.0 (20012508)	196.03190 (20012508)	179.94718 (20012508)	166.15790 (20012508)	153.06185 (20012508)	142.29397
180.0 (20120808)	187.48015 (20010108)	169.37009 (20112324)	153.15174 (20112324)	139.87190 (20112324)	128.25202
190.0 (20122224)	147.93860 (20111624)	135.53622 (20111624)	124.87940 (20111624)	126.56835 (20122224)	117.35612
200.0 (20032108)	201.20413 (20032108)	162.66455c(20112408)	150.37567c(20112408)	144.81171 (20032108)	135.87558
210.0 (20123008)	199.46221 (20123008)	182.46878 (20123008)	168.61668 (20123008)	172.38030 (20123008)	161.63662
220.0 (20011808)	193.91843 (20011808)	144.94292 (20010824)	132.49933 (20011808)	123.02457 (20011808)	124.86281
230.0 (20011808)	167.61452 (20011808)	156.28661 (20011808)	142.53473 (20011808)	127.61965 (20011808)	119.04856
240.0 (20120324)	195.42775 (20120324)	177.33519 (20120324)	156.68414 (20120324)	142.80687 (20120324)	136.38621
250.0 (20090208)	164.78515 (20090208)	148.90592 (20090208)	137.81853 (20090208)	123.92847 (20090208)	110.76222
260.0 (20102324)	179.24641 (20102324)	161.63685 (20102324)	147.32127 (20102324)	134.24304 (20102324)	126.15818
270.0 (20090408)	159.89682m(20010924)	145.68831 (20090408)	133.00583m(20010924)	123.65449 (20090408)	115.95072 (20090408)
280.0 (20092508)	203.83597 (20092508)	183.95037 (20092508)	169.57492 (20092508)	158.48032 (20092508)	149.56140
290.0 (20020408)	197.09442 (20122008)	177.79061 (20020408)	165.08721 (20020408)	155.29745 (20020408)	144.48944
300.0 (20082808)	175.05549 (20011824)	158.09230 (20011824)	145.56267 (20082808)	135.45754 (20082808)	128.62359
310.0 (20021208)	181.41356 (20122324)	164.79022c(20021208)	149.73375c(20021208)	137.47965c(20021208)	127.26894c(20021208)
320.0 (20121008)	213.18052c(20121008)	193.93749c(20121008)	185.10802c(20121008)	165.75044c(20121008)	154.08144c(20121008)
330.0 (20030308)	168.62695 (20030308)	155.06422 (20030308)	141.96315 (20030308)	129.46932 (20030308)	121.25333
340.0 (20102824)	174.10248 (20102824)	160.85800 (20102824)	144.13449 (20102824)	133.86795 (20102824)	125.95648
350.0 (20041408)	149.63994 (20041408)	137.62508 (20041408)	127.59692 (20041408)	118.43699 (20041408)	110.68928
360.0 (20120424)	214.03443 (20120424)	194.52934 (20120424)	176.33361 (20120424)	161.45845 (20120424)	148.47824

♀ *** AERMOD - VERSION 19191 *** *** USECOLOGY- TAMPA MODELING generic 1 gram emissions 2020 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 (YYMMDDHH)	DIST (M)	DIR (DEG)	CONC	ORIGIN (YYMMDDHH)	SRCID	DIST (M)	DIR (DEG)	CONC
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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 ***
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*** AERMET - VERSION 19191 *** ***

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*** MODELOPTs: RegDEFAULT 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 *** ***

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*** 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 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

**

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

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 *** ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

**

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

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 ***

12/09/22

*** AERMET - VERSION 19191 *** **

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*** MODELOPTs: RegDEFAULT 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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