Appendix B Health Risk Assessment Memo

Appendices

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Appendix B

TECHNICAL MEMORANDUM

DATE	January 29, 2016
TO	Fullerton Joint Union High School District
ADDRESS	1051 W. Bastanchury Road, Fullerton, CA 92833
CONTACT	Rob Lebs, Superintendent, Business Services
FROM	Steve Bush, PE Cathy Fitzgerald, DEnv, PE
SUBJECT	Health Risk Assessment for CNG Fueling Station
PROJECT NUMBER	FHS-05.0

1. Introduction

PlaceWorks was retained by the Fullerton Joint Union High School District (District) to conduct a health risk assessment (HRA) for the proposed upgrade and expansion of the existing compressed natural gas (CNG) fueling facility at the District's Transportation Center (DTC). The proposed project would meet the District's projected CNG needs over the next 10 plus years and also serve local municipalities and the community at large. The HRA was conducted in accordance with relevant and appropriate procedures of the U.S. Environmental Protection Agency (USEPA), California Environmental Protection Agency (CalEPA), and Office of Environmental Health and Hazard Assessment (OEHHA).

1.1. PROJECT LOCATION

The existing 1.93-acre CNG fueling facility is located at 1050 S. Leslie Street, in the City of La Habra, Orange County, California. The existing CNG fueling facility would be expanded to serve fleets from other agencies such as City of La Habra and La Habra City School District and would be open to the general public. The existing fast-fill post with two dispensers would be upgraded and replaced, and two new fast-fill dispenser islands would be constructed under an 18-foot high canopy. Additionally, the expansion would provide 15 new time-fill posts with two dispensers (hoses) per post, totaling 30 dispensers and two new public vending posts totaling 4 dispensers. The existing six slow-fill posts with 12 dispensers would remain.

The DTC site is bordered by Leslie Street to the west, the former Fullerton College – La Habra Campus to the north and east, which is planned for redevelopment as an equipment rental yard, and a large vacant industrial building to the south, which is planned for redevelopment as a Kaiser medical office building. The nearest sensitive receptors to the site are the residences approximately 660 feet south and 800 feet northwest of the project. Figure 1, Site Location, provides an aerial view of the project site and surrounding land uses.

2. Health Risk Assessment

2.1. SOURCE IDENTIFICATION

Potential hazardous air emissions from expansion of the CNG fueling facility were evaluated. The District currently has a bus fleet consisting of 103 diesel and CNG vehicles. Over time, additional diesel buses would be replaced with CNG buses. The City of La Habra and La Habra City School District (LHCSD) both currently use the facility to fuel their CNG buses. The City of La Habra has four CNG vehicles. LHCSD currently operates four CNG buses and has grant application pending for two additional CNG buses. LHCSD also has plans to convert a total of 12 fleet diesel buses to CNG over time and would use this facility to fuel the buses. For the purposes of the HRA, the maximum number of current and planned future District, City of La Habra, and LHCSD CNG buses were evaluated. A summary of the bus activity evaluated during this assessment is provided below:

- Fullerton Joint Union High School District: 103 CNG Buses per school day
- City of La Habra: 4 CNG Buses per day
- La Habra City School District: 18 CNG Buses per school day
- Total: 125 CNG Buses per day

According to the traffic study prepared for the project, there would be a maximum of 280 CNG vehicles per day, or 560 vehicles trips (280 inbound and 280 outbound) at the fueling facility.[1] The fueling station would be open 24 hours per day, 7 days per week with an automated payment system. The school buses would operate on a different schedule. On school days, school buses leave between 6:30 AM to 7 AM and return around 9 AM and 9:30 AM. During afternoon hours, buses operate over a period between 12:30 PM and 2:00 PM. Buses also operate at various times in the afternoon to support athletic events and other activities.

2.2. SOURCE CHARACTERIZATION

Contaminant release information and associated chemical species were identified for CNG vehicles. Running emission factors were based on the California Air Resources Board's (CARB) *Study of CNG and Diesel Transit Bus Emissions*.[2] Compounds emitted from CNG vehicles are presented in Table 1.

Table 1 Compounds Emitted

SOURCE	LOCATION
CNG Vehicles	Acetaldehyde Benzene 1,3-Butadiene Formaldehyde

The chemicals listed in Table 1 have established cancer potency factors (CPFs) and reference exposure levels (RELs) which can be used to evaluate carcinogenic risks and non-carcinogenic chronic and acute hazards. To characterize the health risks from the CNG vehicles, emission rates were determined for two scenarios:

[1] Garland Associates. 2016. *Traffic Impact Analysis for the Proposed District Bus Yard and CNG Fueling Station*.
[2] CARB. 2004. *Study of CNG and Diesel Transit Bus Emissions*. Presentation dated April 22, 2004.

1. School Week Scenario (180 days per year, approximately 26 weeks per year)
   a. Monday to Friday – 125 school buses operating during the peak morning hours (6:30 AM to 9:30 AM, and peak afternoon hours (12:30 to 3:30 PM).[3] An additional 155 CNG vehicles (280 vehicles per day minus 125 buses per day) would utilize the facility over the 24 hours of the day.
   b. Weekends – 280 vehicles would utilize the facility throughout the day. Although the buses would not be running on the weekends, the maximum reported number of CNG vehicles/day from the traffic study was used, to be conservative.

2. Non-School Week Scenario (26 weeks per year) - 280 vehicles would utilize the facility throughout the day. As stated above, this is a conservative assumption since the school buses would not be in operation.

Emission rate calculations for the two scenarios are presented in Appendix A.

2.3. RISK CHARACTERIZATION

To assess the impact of emitted compounds on individuals who may work and/or attend classes at the proposed school facility, air quality modeling using the AERMOD atmospheric dispersion model was performed. The model is a steady state Gaussian plume model and is recommended by South Coast Air Quality Management District (SCAQMD) for estimating ground level impacts from point and fugitive sources in simple and complex terrain. Meteorological data provided by SCAQMD for the La Habra meteorological station (2008-2012) were used to represent local weather conditions and prevailing winds.[4] For all emission sources, a unit emission rate of 1 gram per second (g/s) was used. The unit emission rates were proportioned throughout the area sources used to characterize the vehicle running emissions throughout the fueling facility. The maximum AERMOD concentrations from the output files were then multiplied by the emission rates calculated in Appendix A to obtain the maximum ground-level concentrations at the maximum exposed receptor (MER). The AERMOD output is presented in Appendix B.

CARB's Hotspots Analysis and Reporting Program (HARP), Risk Assessment Standalone Tool was used to calculate the health risk values.[5] CARB's HARP tool includes procedures for determining cancer risk and chronic and acute non-cancer hazard indices using the latest HRA guidance recommended by OEHHA.[6] The calculated health risk values are presented in Appendix C.

The State of California has established a threshold of one in one hundred thousand (1.0E-05 or ten in a million) as a level posing no significant risk for exposures to carcinogens regulated under the Safe Drinking Water and Toxic Enforcement Act (Proposition 65). The cancer risk is determined by multiplying the dose by the inhalation cancer potency factor. To calculate dose, discrete variates (breathing rate, age sensitivity factor, exposure duration, and averaging time) for residential receptors are obtained from OEHHA guidance documents.[7]

To quantify chronic and acute non-carcinogenic impacts, the hazard index approach is used. The hazard index assumes that chronic and acute sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). To calculate the hazard index, each chemical concentration or dose is

[3] As buses operate at various times in the afternoon to support athletic events and other activities, the peak afternoon hours were expanded in the modeling from 12:30 pm to 3:30 pm.
[4] SCAQMD. 2008-2012. *Meteorological Data Set for La Habra Monitoring Station.*
[5] CARB. 2015. Hotspots Analysis and Reporting Program (HARP), Risk Assessment Standalone Tool (RAST), Version 2.
[6] Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments*. Dated February 2015.
[7] Ibid.

divided by the appropriate toxicity value (i.e. REL). For compounds affecting the same toxicological endpoint, this ratio is summed. Where the total equals or exceeds one, a health hazard is presumed to exist.

2.4. RESULTS

The health risk calculations are provided in Appendix C and the summary results of the HRA are provided in Table 2. The excess cancer risk was calculated to be 0.035 per million for the maximum exposed off-site resident. In comparison to the threshold level of 10 in a million, carcinogenic risks are well below the significance threshold value for residents. For chronic and acute non-carcinogenic effects, the hazard index identified for each toxicological endpoint totaled less than one for residents. Therefore, non-carcinogenic hazards are also below the significance threshold.

Table 2 Health Risk Assessment Summary

EMISSION SOURCES	CANCER RISK (PER MILLION) [1]	CHRONIC HAZARDS	ACUTE (1-HOUR) HAZARDS
CNG Fueling Station	0.035	0.0002	0.013
Threshold	10	1.0	1.0
Exceeds Threshold?	No	No	No

Source: Lakes AERMOD View 9.1.0 (2015); CARB's HARP Risk Assessment Standalone Tool (2015).

1 Cancer risk determined for a 70-year residential exposure scenario. For informational purposes, the 30-year and 9-year cancer risks calculated are 0.029 and 0.021 in a million, respectively.

3. Conclusions

Based on a comparison to the carcinogenic and non-carcinogenic thresholds established under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) and OEHHA, hazardous air emissions generated from expansion of the CNG fueling station are not anticipated to pose an actual or potential endangerment to nearby residents and no mitigation measures are required.

Respectfully submitted,

PlaceWorks

Steve Bush, PE
Associate Engineer

Cathleen M. Fitzgerald, DEnv, PE
Senior Engineer

Figure 1 - Site Location

CNG Site

City Boundary

0 700
Scale (Feet)

Source: Google Earth Pro, 2016

PlaceWorks

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Appendix A – Emission Rate Calculations

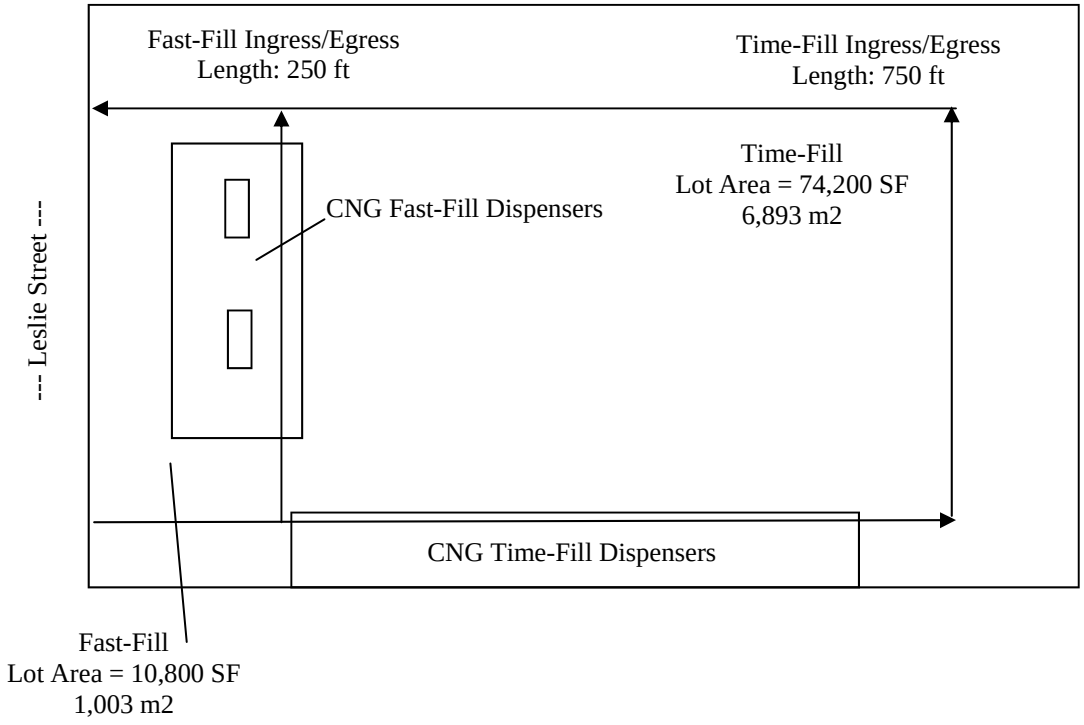
Source
CNG Fueling Station
1050 Leslie Street
La Habra, CA 90631

N

School Days (180 days or 26 weeks per year)
Monday - Friday: 6:30 AM - 9:30 AM and 12:30 PM - 3:30 PM for buses;

Open 24 hours per day, 7 days per week for public CNG vehicles

Chemical and Use Rate
Total CNG Vehicles: 280 vehicles (560 trips) per day
CNG Buses: 125 buses per school day



- Lot area is based upon Google Earth, Version 7.0.3.
- Release height of 4.15 m and initial vertical dimension (δy) of 1.93 m for buses is based upon California Air Resources Board's "Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles" (2000). Release height of 0.6 m and δy of 0.28 m used for other CNG vehicles.

Source
CNG Fueling Station
1050 Leslie Street
La Habra, CA 90631

Operation: CNG Fueling Station - Toxic Air Contaminant (TAC) Emissions

Temporal Profile: (1)	hours	days	weeks	
	6	5	26	CNG School Buses
	24	7	52	Other CNG Vehicles

Truck Activity: (2)

CNG Vehicles/Day		280
School Day	CNG School Buses/Day	125
	Other CNG Vehicles/Day	155
Weekend or Non-school week	All CNG Vehicles/Day	280

Ingress/Egress:

Miles Traveled/Time-Fill Trip	0.14
Miles Traveled/Fast-Fill Trip	0.05

Running Emission Factors:		Emission Factor (g/mi) (3)	Compound Emissions (g/s)		Wt Fractions
CNG Buses School Day	Acetaldehyde	9.50E-02	7.81E-05		1.08E-01
	Benzene	3.00E-03	2.47E-06		3.40E-03
	1,3-Butadiene	1.80E-03	1.48E-06		2.04E-03
	Formaldehyde	7.82E-01	6.43E-04		8.87E-01
	Total		7.25E-04	g/s	1.00
Other CNG Vehicles School Day	Acetaldehyde	9.50E-02	8.07E-06		1.08E-01
	Benzene	3.00E-03	2.55E-07		3.40E-03
	1,3-Butadiene	1.80E-03	1.53E-07		2.04E-03
	Formaldehyde	7.82E-01	6.64E-05		8.87E-01
	Total		7.49E-05	g/s	1.00
All CNG Vehicles Weekend or Non-school weeks	Acetaldehyde	9.50E-02	1.46E-05		1.08E-01
	Benzene	3.00E-03	4.60E-07		3.40E-03
	1,3-Butadiene	1.80E-03	2.76E-07		2.04E-03
	Formaldehyde	7.82E-01	1.20E-04		8.87E-01
	Total		1.35E-04	g/s	1.00

(1) Buses operated school days between the hours of 6:30 AM and 9:30 AM in the morning, and 1230 PM and 3:30 PM in the afternoon. Assumed 180 school days per year (approximately 26 weeks per year). Fueling station open to the public 24 hours per day, 7 days per week.

(2) Total number of CNG vehicles that could operate at the fueling station (280 vehicles/day) from *Traffic Impact Analysis for the Proposed Bus Yard and CNG Fueling Station* (Garland Associates, 2016). Number of CNG buses from Fullerton Jt. Union High School District, La Habra City School District, and City of La Habra based on potential full conversion of bus fleets to CNG.

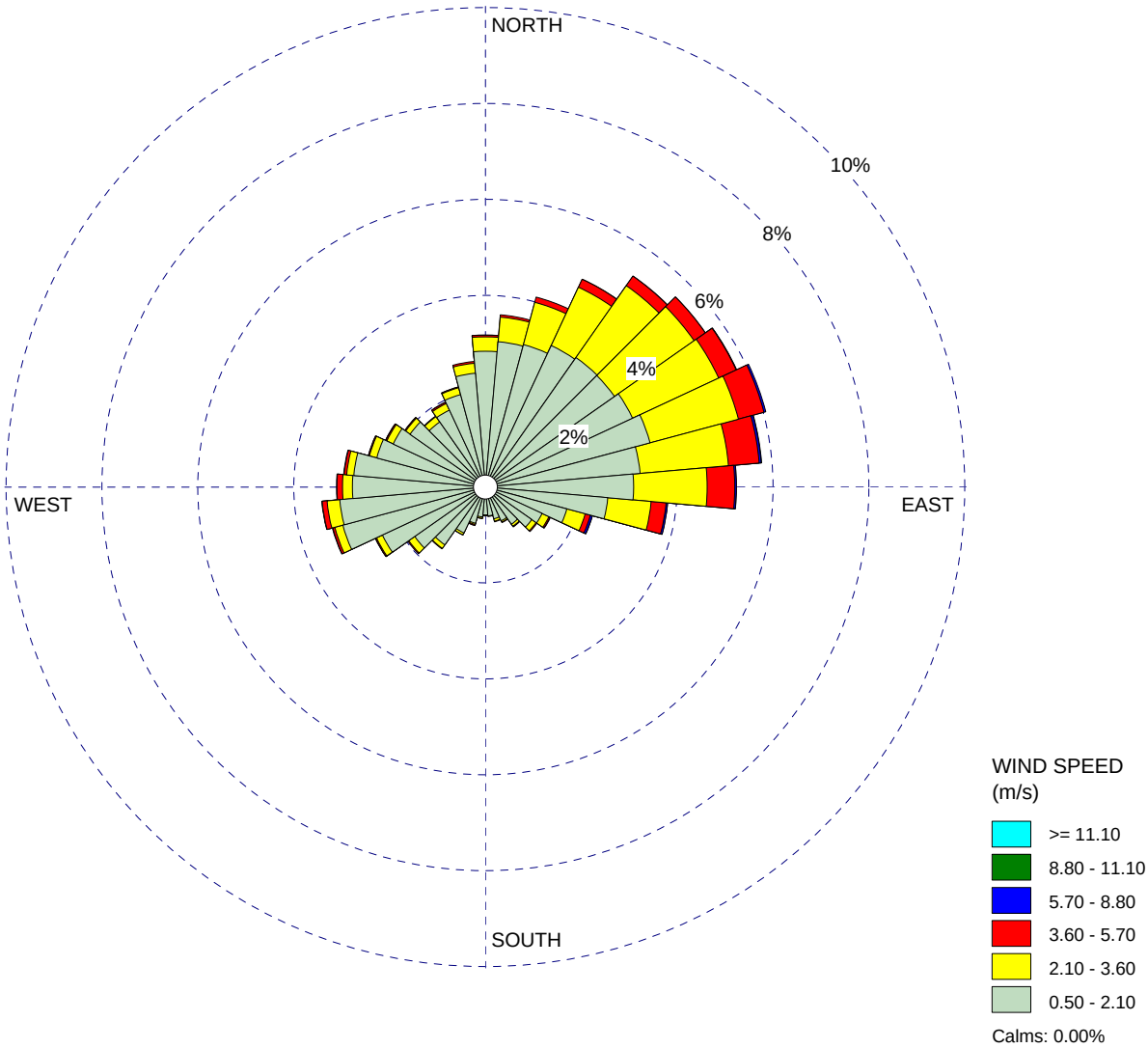
(3) Running emission factors from CARB's *Study of CNG and Diesel Transit Bus Emissions* (2004).

WIND ROSE PLOT:

La Habra Monitoring Station
2008-2012

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/1/2008 - 01:00 **End Date: 12/31/2012 - 23:59**	MODELER:	
	CALM WINDS: **0.00%**	TOTAL COUNT: **43391 hrs.**	
	AVG. WIND SPEED: **1.37 m/s**	DATE: **1/28/2016**	PROJECT NO.: **FHS-05**

WRPLOT View - Lakes Environmental Software

Appendix B – AERMOD Output Files

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Results Summary

CNG Fueling Station
HRA

Concentration - Source Group: FFSCHL Fast-Fill Vehicles during School Days

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1167.74942	ug/m^3	413143.65	3753354.47	79.29	0.00	82.94	8/25/2009, 22
PERIOD		5.42709	ug/m^3	412935.36	3753801.59	86.44	0.00	86.44	

Concentration - Source Group: FFWK Fast-Fill Vehicles during non-school weeks

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1176.93228	ug/m^3	413123.65	3753354.47	79.19	0.00	79.19	9/12/2012, 3
PERIOD		8.16477	ug/m^3	412935.36	3753801.59	86.44	0.00	86.44	

Concentration - Source Group: FFWKEND Fast-Fill Vehicles on the weekends, during school weeks

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	1155.61360	ug/m^3	413103.65	3753354.47	79.05	0.00	79.05	7/17/2011, 1
PERIOD		2.07791	ug/m^3	412935.36	3753801.59	86.44	0.00	86.44	

Results Summary

CNG Fueling Station
HRA

Concentration - Source Group: SCHLBUS School Buses

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	539.18947	ug/m^3	413183.65	3753354.47	79.46	0.00	83.32	12/4/2012, 8
PERIOD		0.59700	ug/m^3	412935.36	3753801.59	86.44	0.00	86.44	

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                                    ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:03:46
                                                                                                                         PAGE   1
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                          ***     MODEL SETUP OPTIONS SUMMARY       ***
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for     4 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =     61653.0 ;  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:
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  OTHER

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

**This Run Includes:      4 Source(s);       4 Source Group(s); and     262 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:      0 VOLUME source(s)
                and:      4 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 OPENPIT source(s)


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

**The AERMET Input Meteorological Data Version Date:  14134
```

Model Input - Unit Emission Rates (1 g/s)

```
**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 External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    82.00 ;  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.

**Detailed Error/Message File:   fullerton.err
**File for Summary of Results:   fullerton.sum
```

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE   2
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN
```

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
1	0	0.99671E-03	413112.8	3753560.8	86.6	0.60	18.29	54.86	0.00	0.28	YES	SHRDOW
2	0	0.99671E-03	413112.8	3753560.8	86.6	0.60	18.29	54.86	0.00	0.28	YES	SHRDOW
3	0	0.99671E-03	413112.8	3753560.8	86.6	0.60	18.29	54.86	0.00	0.28	YES	SHRDOW
4	0	0.14507E-03	413112.3	3753555.0	86.3	4.15	106.68	64.62	0.00	1.93	YES	SHRDOW

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE   3
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

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


 SCHLBUS    4           ,

 FFSCHL     1           ,

 FFWKEND    2           ,

 FFWK       3           ,



*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE   4
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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


               61653.   1           , 2           , 3           , 4           ,
```

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE   5
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                * SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = 1            ; SOURCE TYPE = AREA     :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                SEASON = WINTER;  DAY OF WEEK = WEEKDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                                SEASON = SPRING;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF WEEK = WEEKDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                                SEASON =  FALL ;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF WEEK = SUNDAY
```

```
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF WEEK = SUNDAY
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE   6
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                * SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = 2            ; SOURCE TYPE = AREA     :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                          SEASON = WINTER;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = SPRING;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = SUMMER;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON =  FALL ;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = WINTER;  DAY OF WEEK = SATURDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                          SEASON = SPRING;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = SUMMER;  DAY OF WEEK = SATURDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                          SEASON =  FALL ;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = WINTER;  DAY OF WEEK = SUNDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                          SEASON = SPRING;  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = SUMMER;  DAY OF WEEK = SUNDAY
```

Model Input - Unit Emission Rates (1 g/s)

```
 1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
 9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                                SEASON =  FALL ;  DAY OF WEEK = SUNDAY
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE   7
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                * SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = 3            ; SOURCE TYPE = AREA     :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                          SEASON = WINTER;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = SPRING;  DAY OF WEEK = WEEKDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                          SEASON = SUMMER;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON =  FALL ;  DAY OF WEEK = WEEKDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                          SEASON = WINTER;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = SPRING;  DAY OF WEEK = SATURDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                          SEASON = SUMMER;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON =  FALL ;  DAY OF WEEK = SATURDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                          SEASON = WINTER;  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON = SPRING;  DAY OF WEEK = SUNDAY
   1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
                                          SEASON = SUMMER;  DAY OF WEEK = SUNDAY
```

Model Input - Unit Emission Rates (1 g/s)

```
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF WEEK = SUNDAY
 1  .1000E+01    2  .1000E+01    3  .1000E+01    4  .1000E+01    5  .1000E+01    6  .1000E+01    7  .1000E+01    8  .1000E+01
 9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .1000E+01   21  .1000E+01   22  .1000E+01   23  .1000E+01   24  .1000E+01
```

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE   8
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                * SOURCE EMISSION RATE SCALARS WHICH VARY SEASONALLY, DIURNALLY AND BY DAY OF WEEK (SHRDOW) *

SOURCE ID = 4            ; SOURCE TYPE = AREA     :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                SEASON = WINTER;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .5000E+00    8  .1000E+01
   9  .1000E+01   10  .5000E+00   11  .0000E+00   12  .0000E+00   13  .5000E+00   14  .1000E+01   15  .1000E+01   16  .5000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .5000E+00    8  .1000E+01
   9  .1000E+01   10  .5000E+00   11  .0000E+00   12  .0000E+00   13  .5000E+00   14  .1000E+01   15  .1000E+01   16  .5000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON =  FALL ;  DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = WINTER;  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SPRING;  DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                SEASON = SUMMER;  DAY OF WEEK = SUNDAY
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 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          SEASON =  FALL ;  DAY OF WEEK = SUNDAY
 1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
 9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
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*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE   9
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

    ( 412923.6, 3753214.5,      80.7,      80.7,       0.0);         ( 412943.6, 3753214.5,      81.2,      81.2,       0.0);
    ( 412963.6, 3753214.5,      80.8,      80.8,       0.0);         ( 412983.6, 3753214.5,      80.8,      80.8,       0.0);
    ( 413003.6, 3753214.5,      81.3,      81.3,       0.0);         ( 413023.6, 3753214.5,      81.5,      81.5,       0.0);
    ( 413043.6, 3753214.5,      81.3,      81.3,       0.0);         ( 413063.6, 3753214.5,      81.3,      81.3,       0.0);
    ( 413083.6, 3753214.5,      81.6,      81.6,       0.0);         ( 413103.6, 3753214.5,      81.6,      81.6,       0.0);
    ( 413123.6, 3753214.5,      81.5,      81.5,       0.0);         ( 413143.6, 3753214.5,      81.6,      81.6,       0.0);
    ( 413163.6, 3753214.5,      82.3,      82.3,       0.0);         ( 413183.6, 3753214.5,      82.3,      82.3,       0.0);
    ( 413203.6, 3753214.5,      82.3,      82.3,       0.0);         ( 413223.6, 3753214.5,      82.5,      82.5,       0.0);
    ( 413243.6, 3753214.5,      82.8,      82.8,       0.0);         ( 413263.6, 3753214.5,      83.1,      83.1,       0.0);
    ( 413283.6, 3753214.5,      83.4,      83.4,       0.0);         ( 413303.6, 3753214.5,      83.6,      83.6,       0.0);
    ( 413323.6, 3753214.5,      83.9,      83.9,       0.0);         ( 412923.6, 3753234.5,      80.6,      80.6,       0.0);
    ( 412943.6, 3753234.5,      81.1,      81.1,       0.0);         ( 412963.6, 3753234.5,      80.8,      80.8,       0.0);
    ( 412983.6, 3753234.5,      80.9,      80.9,       0.0);         ( 413003.6, 3753234.5,      81.3,      81.3,       0.0);
    ( 413023.6, 3753234.5,      81.6,      81.6,       0.0);         ( 413043.6, 3753234.5,      81.2,      81.2,       0.0);
    ( 413063.6, 3753234.5,      81.2,      81.2,       0.0);         ( 413083.6, 3753234.5,      81.5,      81.5,       0.0);
    ( 413103.6, 3753234.5,      81.6,      81.6,       0.0);         ( 413123.6, 3753234.5,      81.4,      81.4,       0.0);
    ( 413143.6, 3753234.5,      81.5,      81.5,       0.0);         ( 413163.6, 3753234.5,      82.2,      82.2,       0.0);
    ( 413183.6, 3753234.5,      82.2,      82.2,       0.0);         ( 413203.6, 3753234.5,      82.1,      82.1,       0.0);
    ( 413223.6, 3753234.5,      82.0,      82.0,       0.0);         ( 413243.6, 3753234.5,      82.3,      82.3,       0.0);
    ( 413263.6, 3753234.5,      82.7,      82.7,       0.0);         ( 413283.6, 3753234.5,      83.1,      83.1,       0.0);
    ( 413303.6, 3753234.5,      83.5,      83.5,       0.0);         ( 413323.6, 3753234.5,      83.8,      83.8,       0.0);
    ( 412923.6, 3753254.5,      80.5,      80.5,       0.0);         ( 412943.6, 3753254.5,      81.0,      81.0,       0.0);
    ( 412963.6, 3753254.5,      80.8,      80.8,       0.0);         ( 412983.6, 3753254.5,      80.8,      80.8,       0.0);
    ( 413003.6, 3753254.5,      81.3,      81.3,       0.0);         ( 413023.6, 3753254.5,      81.5,      81.5,       0.0);
    ( 413043.6, 3753254.5,      81.2,      81.2,       0.0);         ( 413063.6, 3753254.5,      81.1,      81.1,       0.0);
    ( 413083.6, 3753254.5,      81.5,      81.5,       0.0);         ( 413103.6, 3753254.5,      81.5,      81.5,       0.0);
    ( 413123.6, 3753254.5,      81.4,      81.4,       0.0);         ( 413143.6, 3753254.5,      81.5,      81.5,       0.0);
    ( 413163.6, 3753254.5,      82.1,      82.1,       0.0);         ( 413183.6, 3753254.5,      82.2,      82.2,       0.0);
    ( 413203.6, 3753254.5,      82.1,      82.1,       0.0);         ( 413223.6, 3753254.5,      82.4,      82.4,       0.0);
    ( 413243.6, 3753254.5,      82.8,      82.8,       0.0);         ( 413263.6, 3753254.5,      83.0,      83.0,       0.0);
    ( 413283.6, 3753254.5,      83.3,      83.3,       0.0);         ( 413303.6, 3753254.5,      83.5,      83.5,       0.0);
    ( 413323.6, 3753254.5,      83.8,      83.8,       0.0);         ( 412923.6, 3753274.5,      80.4,      80.4,       0.0);
    ( 412943.6, 3753274.5,      80.9,      80.9,       0.0);         ( 412963.6, 3753274.5,      80.7,      80.7,       0.0);
    ( 412983.6, 3753274.5,      80.8,      80.8,       0.0);         ( 413003.6, 3753274.5,      81.1,      81.1,       0.0);
    ( 413023.6, 3753274.5,      81.3,      81.3,       0.0);         ( 413043.6, 3753274.5,      81.0,      81.0,       0.0);
    ( 413063.6, 3753274.5,      81.0,      81.0,       0.0);         ( 413083.6, 3753274.5,      81.3,      81.3,       0.0);
    ( 413103.6, 3753274.5,      81.4,      81.4,       0.0);         ( 413123.6, 3753274.5,      81.3,      81.3,       0.0);
    ( 413143.6, 3753274.5,      81.5,      81.5,       0.0);         ( 413163.6, 3753274.5,      82.0,      82.0,       0.0);
    ( 413183.6, 3753274.5,      82.1,      82.1,       0.0);         ( 413203.6, 3753274.5,      82.1,      82.1,       0.0);
    ( 413223.6, 3753274.5,      82.6,      82.6,       0.0);         ( 413243.6, 3753274.5,      83.0,      83.0,       0.0);
    ( 413263.6, 3753274.5,      83.1,      83.1,       0.0);         ( 413283.6, 3753274.5,      83.3,      83.3,       0.0);
    ( 413303.6, 3753274.5,      83.5,      83.5,       0.0);         ( 413323.6, 3753274.5,      83.6,      83.6,       0.0);
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( 412923.6, 3753294.5,      80.2,      80.2,       0.0);
( 412963.6, 3753294.5,      80.4,      80.4,       0.0);
( 413003.6, 3753294.5,      80.8,      80.8,       0.0);
( 413043.6, 3753294.5,      80.7,      80.7,       0.0);
( 413083.6, 3753294.5,      81.0,      81.0,       0.0);
( 413123.6, 3753294.5,      81.1,      81.1,       0.0);
( 413163.6, 3753294.5,      81.9,      81.9,       0.0);
( 413203.6, 3753294.5,      82.0,      82.0,       0.0);
( 413243.6, 3753294.5,      82.7,      82.7,       0.0);
( 413283.6, 3753294.5,      83.0,      83.0,       0.0);
( 413323.6, 3753294.5,      83.4,      83.4,       0.0);
( 412943.6, 3753314.5,      80.6,      80.6,       0.0);
( 412983.6, 3753314.5,      80.8,      80.8,       0.0);
( 413023.6, 3753314.5,      81.0,      81.0,       0.0);
( 413063.6, 3753314.5,      81.1,      81.1,       0.0);
( 413103.6, 3753314.5,      81.1,      81.1,       0.0);
( 413143.6, 3753314.5,      81.5,      81.5,       0.0);
( 413183.6, 3753314.5,      82.0,      82.0,       0.0);
( 413223.6, 3753314.5,      82.5,      82.5,       0.0);
( 413263.6, 3753314.5,      82.8,      82.8,       0.0);
( 413303.6, 3753314.5,      83.3,      83.3,       0.0);
( 412923.6, 3753334.5,      80.1,      80.1,       0.0);
( 412963.6, 3753334.5,      80.5,      80.9,       0.0);
( 413003.6, 3753334.5,      80.7,      80.7,       0.0);
( 413043.6, 3753334.5,      80.8,      81.3,       0.0);
( 413083.6, 3753334.5,      80.8,      80.8,       0.0);
( 413123.6, 3753334.5,      81.0,      81.0,       0.0);
( 413163.6, 3753334.5,      81.2,      81.2,       0.0);
( 413203.6, 3753334.5,      81.6,      81.6,       0.0);
( 413243.6, 3753334.5,      82.1,      82.1,       0.0);
( 413283.6, 3753334.5,      82.4,      82.4,       0.0);
( 413323.6, 3753334.5,      83.5,      83.5,       0.0);
( 412943.6, 3753354.5,      78.1,      80.7,       0.0);
( 412983.6, 3753354.5,      78.4,      81.1,       0.0);
( 413023.6, 3753354.5,      78.7,      78.7,       0.0);
( 413063.6, 3753354.5,      78.8,      78.8,       0.0);
( 413103.6, 3753354.5,      79.0,      79.0,       0.0);
( 413143.6, 3753354.5,      79.3,      82.9,       0.0);
( 413183.6, 3753354.5,      79.5,      83.3,       0.0);
( 413223.6, 3753354.5,      79.8,      83.5,       0.0);
( 413263.6, 3753354.5,      80.1,      83.9,       0.0);
( 413303.6, 3753354.5,      81.8,      81.8,       0.0);
( 412775.4, 3753801.6,      89.6,      89.6,       0.0);
( 412815.4, 3753801.6,      89.1,      89.1,       0.0);
( 412855.4, 3753801.6,      90.1,      90.1,       0.0);
( 412895.4, 3753801.6,      89.1,      89.1,       0.0);
( 412935.4, 3753801.6,      86.4,      86.4,       0.0);
( 412795.4, 3753821.6,      89.5,      89.5,       0.0);
( 412943.6, 3753294.5,      80.5,      80.5,       0.0);
( 412983.6, 3753294.5,      80.5,      80.5,       0.0);
( 413023.6, 3753294.5,      80.9,      80.9,       0.0);
( 413063.6, 3753294.5,      80.8,      80.8,       0.0);
( 413103.6, 3753294.5,      81.0,      81.0,       0.0);
( 413143.6, 3753294.5,      81.4,      81.4,       0.0);
( 413183.6, 3753294.5,      82.0,      82.0,       0.0);
( 413223.6, 3753294.5,      82.5,      82.5,       0.0);
( 413263.6, 3753294.5,      82.8,      82.8,       0.0);
( 413303.6, 3753294.5,      83.3,      83.3,       0.0);
( 412923.6, 3753314.5,      80.2,      80.2,       0.0);
( 412963.6, 3753314.5,      80.6,      80.6,       0.0);
( 413003.6, 3753314.5,      80.9,      80.9,       0.0);
( 413043.6, 3753314.5,      81.0,      81.0,       0.0);
( 413083.6, 3753314.5,      81.1,      81.1,       0.0);
( 413123.6, 3753314.5,      81.3,      81.3,       0.0);
( 413163.6, 3753314.5,      81.8,      81.8,       0.0);
( 413203.6, 3753314.5,      82.1,      82.1,       0.0);
( 413243.6, 3753314.5,      82.7,      82.7,       0.0);
( 413283.6, 3753314.5,      83.0,      83.0,       0.0);
( 413323.6, 3753314.5,      83.5,      83.5,       0.0);
( 412943.6, 3753334.5,      80.3,      80.3,       0.0);
( 412983.6, 3753334.5,      80.6,      80.6,       0.0);
( 413023.6, 3753334.5,      80.7,      80.7,       0.0);
( 413063.6, 3753334.5,      80.8,      80.8,       0.0);
( 413103.6, 3753334.5,      80.9,      80.9,       0.0);
( 413143.6, 3753334.5,      81.1,      81.1,       0.0);
( 413183.6, 3753334.5,      81.4,      81.4,       0.0);
( 413223.6, 3753334.5,      81.9,      81.9,       0.0);
( 413263.6, 3753334.5,      82.2,      82.2,       0.0);
( 413303.6, 3753334.5,      83.0,      83.0,       0.0);
( 412923.6, 3753354.5,      78.0,      78.0,       0.0);
( 412963.6, 3753354.5,      78.2,      80.9,       0.0);
( 413003.6, 3753354.5,      78.5,      78.5,       0.0);
( 413043.6, 3753354.5,      78.7,      81.3,       0.0);
( 413083.6, 3753354.5,      78.9,      78.9,       0.0);
( 413123.6, 3753354.5,      79.2,      79.2,       0.0);
( 413163.6, 3753354.5,      79.4,      83.1,       0.0);
( 413203.6, 3753354.5,      79.6,      83.3,       0.0);
( 413243.6, 3753354.5,      79.9,      83.7,       0.0);
( 413283.6, 3753354.5,      80.7,      80.7,       0.0);
( 413323.6, 3753354.5,      83.5,      83.5,       0.0);
( 412795.4, 3753801.6,      89.0,      89.0,       0.0);
( 412835.4, 3753801.6,      90.0,      90.0,       0.0);
( 412875.4, 3753801.6,      89.7,      89.7,       0.0);
( 412915.4, 3753801.6,      87.7,      87.7,       0.0);
( 412775.4, 3753821.6,      89.8,      89.8,       0.0);
( 412815.4, 3753821.6,      89.9,      89.9,       0.0);
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*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                          ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                          ***        15:03:46
                                                                                                              PAGE  11
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

    ( 412835.4, 3753821.6,      90.9,      90.9,       0.0);         ( 412855.4, 3753821.6,      90.8,      90.8,       0.0);
    ( 412875.4, 3753821.6,      89.8,      89.8,       0.0);         ( 412895.4, 3753821.6,      88.5,      88.5,       0.0);
    ( 412915.4, 3753821.6,      88.0,      88.0,       0.0);         ( 412935.4, 3753821.6,      87.4,      87.4,       0.0);
    ( 412775.4, 3753841.6,      90.0,      90.0,       0.0);         ( 412795.4, 3753841.6,      89.8,      89.8,       0.0);
    ( 412815.4, 3753841.6,      90.2,      90.2,       0.0);         ( 412835.4, 3753841.6,      90.9,      90.9,       0.0);
    ( 412855.4, 3753841.6,      90.6,      90.6,       0.0);         ( 412875.4, 3753841.6,      89.6,      89.6,       0.0);
    ( 412895.4, 3753841.6,      88.5,      88.5,       0.0);         ( 412915.4, 3753841.6,      88.4,      88.4,       0.0);
    ( 412935.4, 3753841.6,      88.5,      88.5,       0.0);         ( 412775.4, 3753861.6,      90.3,      90.3,       0.0);
    ( 412795.4, 3753861.6,      90.2,      90.2,       0.0);         ( 412815.4, 3753861.6,      90.6,      90.6,       0.0);
    ( 412835.4, 3753861.6,      90.9,      90.9,       0.0);         ( 412855.4, 3753861.6,      90.5,      90.5,       0.0);
    ( 412875.4, 3753861.6,      89.6,      89.6,       0.0);         ( 412895.4, 3753861.6,      88.8,      88.8,       0.0);
    ( 412915.4, 3753861.6,      88.9,      88.9,       0.0);         ( 412935.4, 3753861.6,      89.4,      89.4,       0.0);
    ( 412775.4, 3753881.6,      90.8,      90.8,       0.0);         ( 412795.4, 3753881.6,      90.9,      90.9,       0.0);
    ( 412815.4, 3753881.6,      91.5,      91.5,       0.0);         ( 412835.4, 3753881.6,      91.5,      91.5,       0.0);
    ( 412855.4, 3753881.6,      90.9,      90.9,       0.0);         ( 412875.4, 3753881.6,      90.1,      90.1,       0.0);
    ( 412895.4, 3753881.6,      89.5,      89.5,       0.0);         ( 412915.4, 3753881.6,      89.6,      89.6,       0.0);
    ( 412935.4, 3753881.6,      90.2,      90.2,       0.0);         ( 412775.4, 3753901.6,      91.3,      91.3,       0.0);
    ( 412795.4, 3753901.6,      91.4,      91.4,       0.0);         ( 412815.4, 3753901.6,      91.9,      91.9,       0.0);
    ( 412835.4, 3753901.6,      92.0,      92.0,       0.0);         ( 412855.4, 3753901.6,      91.6,      91.6,       0.0);
    ( 412875.4, 3753901.6,      91.1,      91.1,       0.0);         ( 412895.4, 3753901.6,      90.8,      90.8,       0.0);
    ( 412915.4, 3753901.6,      90.8,      90.8,       0.0);         ( 412935.4, 3753901.6,      91.0,      91.0,       0.0);
    ( 412775.4, 3753921.6,      91.8,      91.8,       0.0);         ( 412795.4, 3753921.6,      91.9,      91.9,       0.0);
    ( 412815.4, 3753921.6,      92.3,      92.3,       0.0);         ( 412835.4, 3753921.6,      92.5,      92.5,       0.0);
    ( 412855.4, 3753921.6,      92.4,      92.4,       0.0);         ( 412875.4, 3753921.6,      92.2,      92.2,       0.0);
    ( 412895.4, 3753921.6,      91.9,      91.9,       0.0);         ( 412915.4, 3753921.6,      91.8,      91.8,       0.0);
    ( 412935.4, 3753921.6,      91.8,      91.8,       0.0);         ( 412775.4, 3753941.6,      92.4,      92.4,       0.0);
    ( 412795.4, 3753941.6,      92.6,      92.6,       0.0);         ( 412815.4, 3753941.6,      93.0,      93.0,       0.0);
    ( 412835.4, 3753941.6,      93.1,      93.1,       0.0);         ( 412855.4, 3753941.6,      92.9,      92.9,       0.0);
    ( 412875.4, 3753941.6,      92.7,      92.7,       0.0);         ( 412895.4, 3753941.6,      92.5,      92.5,       0.0);
    ( 412915.4, 3753941.6,      92.4,      92.4,       0.0);         ( 412935.4, 3753941.6,      92.3,      92.3,       0.0);
    ( 412775.4, 3753961.6,      92.9,      92.9,       0.0);         ( 412795.4, 3753961.6,      93.1,      93.1,       0.0);
    ( 412815.4, 3753961.6,      93.3,      93.3,       0.0);         ( 412835.4, 3753961.6,      93.4,      93.4,       0.0);
    ( 412855.4, 3753961.6,      93.3,      93.3,       0.0);         ( 412875.4, 3753961.6,      93.1,      93.1,       0.0);
    ( 412895.4, 3753961.6,      92.9,      92.9,       0.0);         ( 412915.4, 3753961.6,      92.8,      92.8,       0.0);
    ( 412935.4, 3753961.6,      92.5,      92.5,       0.0);         ( 412775.4, 3753981.6,      93.4,      93.4,       0.0);
    ( 412795.4, 3753981.6,      93.4,      93.4,       0.0);         ( 412815.4, 3753981.6,      93.6,      93.6,       0.0);
    ( 412835.4, 3753981.6,      93.7,      93.7,       0.0);         ( 412855.4, 3753981.6,      93.7,      93.7,       0.0);
    ( 412875.4, 3753981.6,      93.5,      93.5,       0.0);         ( 412895.4, 3753981.6,      93.2,      93.2,       0.0);
    ( 412915.4, 3753981.6,      93.0,      93.0,       0.0);         ( 412935.4, 3753981.6,      92.4,      92.4,       0.0);
    ( 412843.0, 3753336.4,      79.3,      79.3,       0.0);         ( 413383.2, 3753346.6,      84.9,      84.9,       0.0);
    ( 413422.7, 3753276.5,      84.5,      84.5,       0.0);         ( 412832.2, 3753250.9,      79.9,      79.9,       0.0);
```

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                                    ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:03:46
                                                                                                                         PAGE  12
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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

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


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

                                      1.54,   3.09,   5.14,   8.23,  10.80,
```

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                                    ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:03:46
                                                                                                                         PAGE  13
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

  Surface file:   C:\!MET Files\SCAQMD Met Files\lahb8.sfc                                          Met Version:  14134
  Profile file:   C:\!MET Files\SCAQMD Met Files\lahb8.PFL
  Surface format: FREE
  Profile format: FREE
  Surface station no.:        0                  Upper air station no.:     3190
                 Name: UNKNOWN                                   Name: UNKNOWN
                 Year:   2008                                    Year:   2008

First 24 hours of scalar data
YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS   WD     HT  REF TA     HT
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
08 01 01   1 01 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.4    5.5
08 01 01   1 02 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.4    5.5
08 01 01   1 03 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.4    5.5
08 01 01   1 04 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.4    5.5
08 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.4    5.5
08 01 01   1 06 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.4    5.5
08 01 01   1 07 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.4    5.5
08 01 01   1 08 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   0.54  999.00  999.   -9.0  290.9    5.5
08 01 01   1 09   33.0 -9.000 -9.000 -9.000   66. -999. -99999.0  0.47   1.00   0.31  999.00  999.   -9.0  290.9    5.5
08 01 01   1 10   92.3 -9.000 -9.000 -9.000  178. -999. -99999.0  0.47   1.00   0.24  999.00  999.   -9.0  294.2    5.5
08 01 01   1 11  125.3 -9.000 -9.000 -9.000  445. -999. -99999.0  0.47   1.00   0.21  999.00  999.   -9.0  295.4    5.5
08 01 01   1 12  112.2 -9.000 -9.000 -9.000  609. -999. -99999.0  0.47   1.00   0.20  999.00  999.   -9.0  295.4    5.5
08 01 01   1 13  102.8 -9.000 -9.000 -9.000  714. -999. -99999.0  0.47   1.00   0.20  999.00  999.   -9.0  295.4    5.5
08 01 01   1 14  101.7 -9.000 -9.000 -9.000  761. -999. -99999.0  0.47   1.00   0.21  999.00  999.   -9.0  295.4    5.5
08 01 01   1 15   68.2 -9.000 -9.000 -9.000  790. -999. -99999.0  0.47   1.00   0.25  999.00  999.   -9.0  294.2    5.5
08 01 01   1 16   22.5 -9.000 -9.000 -9.000  800. -999. -99999.0  0.47   1.00   0.33  999.00  999.   -9.0  294.2    5.5
08 01 01   1 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   0.60  999.00  999.   -9.0  294.2    5.5
08 01 01   1 18 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  292.0    5.5
08 01 01   1 19 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  292.0    5.5
08 01 01   1 20 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.9    5.5
08 01 01   1 21 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.9    5.5
08 01 01   1 22 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.9    5.5
08 01 01   1 23 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.9    5.5
08 01 01   1 24 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   1.00  999.00  999.   -9.0  290.9    5.5


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
08 01 01 01    5.5 0 -999.  -99.00   290.4   99.0  -99.00  -99.00
08 01 01 01    9.1 1 -999.  -99.00  -999.0   99.0  -99.00  -99.00

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

Model Input - Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                                    ***        01/26/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:03:46
                                                                                                                         PAGE  46
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                    *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***

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

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

SCHLBUS   1ST HIGHEST VALUE IS       0.59700 AT (  412935.36,  3753801.59,    86.44,    86.44,    0.00)  DC
          2ND HIGHEST VALUE IS       0.57769 AT (  412915.36,  3753801.59,    87.72,    87.72,    0.00)  DC
          3RD HIGHEST VALUE IS       0.55557 AT (  412895.36,  3753801.59,    89.13,    89.13,    0.00)  DC
          4TH HIGHEST VALUE IS       0.53430 AT (  412875.36,  3753801.59,    89.71,    89.71,    0.00)  DC
          5TH HIGHEST VALUE IS       0.51879 AT (  412935.36,  3753821.59,    87.43,    87.43,    0.00)  DC
          6TH HIGHEST VALUE IS       0.51302 AT (  412855.36,  3753801.59,    90.08,    90.08,    0.00)  DC
          7TH HIGHEST VALUE IS       0.50854 AT (  412915.36,  3753821.59,    87.95,    87.95,    0.00)  DC
          8TH HIGHEST VALUE IS       0.49528 AT (  412895.36,  3753821.59,    88.54,    88.54,    0.00)  DC
          9TH HIGHEST VALUE IS       0.49258 AT (  412835.36,  3753801.59,    89.98,    89.98,    0.00)  DC
         10TH HIGHEST VALUE IS       0.47940 AT (  412923.65,  3753354.47,    78.02,    78.02,    0.00)  DC

FFSCHL    1ST HIGHEST VALUE IS       5.42709 AT (  412935.36,  3753801.59,    86.44,    86.44,    0.00)  DC
          2ND HIGHEST VALUE IS       5.12546 AT (  412915.36,  3753801.59,    87.72,    87.72,    0.00)  DC
          3RD HIGHEST VALUE IS       4.89015 AT (  412935.36,  3753821.59,    87.43,    87.43,    0.00)  DC
          4TH HIGHEST VALUE IS       4.85846 AT (  412895.36,  3753801.59,    89.13,    89.13,    0.00)  DC
          5TH HIGHEST VALUE IS       4.84643 AT (  412923.65,  3753354.47,    78.02,    78.02,    0.00)  DC
          6TH HIGHEST VALUE IS       4.64608 AT (  412943.65,  3753354.47,    78.14,    80.69,    0.00)  DC
          7TH HIGHEST VALUE IS       4.61458 AT (  412875.36,  3753801.59,    89.71,    89.71,    0.00)  DC
          8TH HIGHEST VALUE IS       4.60182 AT (  412915.36,  3753821.59,    87.95,    87.95,    0.00)  DC
          9TH HIGHEST VALUE IS       4.47273 AT (  412935.36,  3753841.59,    88.47,    88.47,    0.00)  DC
         10TH HIGHEST VALUE IS       4.39198 AT (  412855.36,  3753801.59,    90.08,    90.08,    0.00)  DC

FFWKEND   1ST HIGHEST VALUE IS       2.07791 AT (  412935.36,  3753801.59,    86.44,    86.44,    0.00)  DC
          2ND HIGHEST VALUE IS       2.01676 AT (  412915.36,  3753801.59,    87.72,    87.72,    0.00)  DC
          3RD HIGHEST VALUE IS       1.93608 AT (  412895.36,  3753801.59,    89.13,    89.13,    0.00)  DC
          4TH HIGHEST VALUE IS       1.83545 AT (  412875.36,  3753801.59,    89.71,    89.71,    0.00)  DC
          5TH HIGHEST VALUE IS       1.81175 AT (  412935.36,  3753821.59,    87.43,    87.43,    0.00)  DC
          6TH HIGHEST VALUE IS       1.80621 AT (  412923.65,  3753354.47,    78.02,    78.02,    0.00)  DC
          7TH HIGHEST VALUE IS       1.79727 AT (  412943.65,  3753354.47,    78.14,    80.69,    0.00)  DC
          8TH HIGHEST VALUE IS       1.78273 AT (  412963.65,  3753354.47,    78.24,    80.94,    0.00)  DC
          9TH HIGHEST VALUE IS       1.77133 AT (  412983.65,  3753354.47,    78.39,    81.14,    0.00)  DC
         10TH HIGHEST VALUE IS       1.77065 AT (  412915.36,  3753821.59,    87.95,    87.95,    0.00)  DC

FFWK      1ST HIGHEST VALUE IS       8.16477 AT (  412935.36,  3753801.59,    86.44,    86.44,    0.00)  DC
          2ND HIGHEST VALUE IS       7.65233 AT (  412915.36,  3753801.59,    87.72,    87.72,    0.00)  DC
          3RD HIGHEST VALUE IS       7.42154 AT (  412935.36,  3753821.59,    87.43,    87.43,    0.00)  DC
          4TH HIGHEST VALUE IS       7.27657 AT (  412943.65,  3753354.47,    78.14,    80.69,    0.00)  DC
```

```
         5TH HIGHEST VALUE IS       7.24660 AT (  412895.36,  3753801.59,    89.13,    89.13,    0.00)  DC
         6TH HIGHEST VALUE IS       7.23422 AT (  412923.65,  3753354.47,    78.02,    78.02,    0.00)  DC
         7TH HIGHEST VALUE IS       7.22619 AT (  412963.65,  3753354.47,    78.24,    80.94,    0.00)  DC
         8TH HIGHEST VALUE IS       7.05696 AT (  412983.65,  3753354.47,    78.39,    81.14,    0.00)  DC
         9TH HIGHEST VALUE IS       6.91389 AT (  412875.36,  3753801.59,    89.71,    89.71,    0.00)  DC
        10TH HIGHEST VALUE IS       6.91127 AT (  412915.36,  3753821.59,    87.95,    87.95,    0.00)  DC


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

Model Input - Unit Emission Rates (1 g/s)

```
 *** AERMOD - VERSION  15181 ***   *** CNG Fueling Station                                                    ***        01/26/16
 *** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:03:46
                                                                                                                          PAGE  47
 **MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                                  *** THE SUMMARY OF HIGHEST  1-HR RESULTS ***
                                     ** CONC OF OTHER    IN MICROGRAMS/M**3                          **

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

SCHLBUS  HIGH   1ST HIGH VALUE IS     539.18947  ON 12120408: AT (  413183.65,  3753354.47,    79.46,    83.32,    0.00)  DC

FFSCHL   HIGH   1ST HIGH VALUE IS    1167.74942  ON 09082522: AT (  413143.65,  3753354.47,    79.29,    82.94,    0.00)  DC

FFWKEND  HIGH   1ST HIGH VALUE IS    1155.61360  ON 11071701: AT (  413103.65,  3753354.47,    79.05,    79.05,    0.00)  DC

FFWK     HIGH   1ST HIGH VALUE IS    1176.93228  ON 12091203: AT (  413123.65,  3753354.47,    79.19,    79.19,    0.00)  DC


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


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            0 Warning Message(s)
 A Total of         1161 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of            0 Calm Hours Identified

 A Total of         1161 Missing Hours Identified (  2.65 Percent)


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

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

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

Appendix C – Risk Calculation Worksheets

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Table C1
Pollutant Concentration Worksheet

Source No.	Source	Contaminant	Weight Fraction	Emission Rates[1]	AERMOD Output[2] **Annual Avg**	Annual Average MER Concentration	AERMOD Output[2] **1-Hour**	Acute (1-Hour) MER Concentration
				(g/s)	(μg/m^3)	(μg/m^3)	(μg/m^3)	(μg/m^3)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Residential Scenario								
1	CNG School Buses School Weekday	Acetaldehyde	1.08E-01	7.25E-04	0.597	4.66E-05	539.2	4.21E-02
		Benzene	3.40E-03			1.47E-06		1.33E-03
		1,3-Butadiene	2.04E-03			8.83E-07		7.98E-04
		Formaldehyde	8.87E-01			3.84E-04		3.47E-01
2	Other CNG Vehicles School Weekday	Acetaldehyde	1.08E-01	7.49E-05	5.427	4.38E-05	1167.7	9.42E-03
		Benzene	3.40E-03			1.38E-06		2.98E-04
		1,3-Butadiene	2.04E-03			8.30E-07		1.79E-04
		Formaldehyde	8.87E-01			3.60E-04		7.76E-02
3	All CNG Vehicles School Weekend	Acetaldehyde	1.08E-01	1.35E-04	2.078	3.03E-05	1155.6	1.68E-02
		Benzene	3.40E-03			9.57E-07		5.32E-04
		1,3-Butadiene	2.04E-03			5.74E-07		3.19E-04
		Formaldehyde	8.87E-01			2.49E-04		1.39E-01
4	All CNG Vehicles Non-school Week	Acetaldehyde	1.08E-01	1.35E-04	8.165	1.19E-04	1176.9	1.72E-02
		Benzene	3.40E-03			3.76E-06		5.42E-04
		1,3-Butadiene	2.04E-03			2.26E-06		3.25E-04
		Formaldehyde	8.87E-01			9.80E-04		1.41E-01
Note: Maximum Exposed Receptor (MER)						For Cancer/Chronic Calculation		For Acute Calculation

[1] Emission Rates, per source, from Source Emissions Inventories (Appendix A).

[2] AERMOD Output (Appendix B) at the maximum exposed receptor (MER) are based on unit emission rates for emission sources (1 g/s per source).

Table C2
HARP2 Results for Cancer Risk and Chronic Hazards
Residential Scenario

No.	Source	Contaminant	**Carcinogenic Risks**	Chronic Non-Cancer Risks - Toxicological Endpoints*											
			Residential 70-year [1]	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	**RESP**	SKIN	EYE	BONE	ENDO	BLOOD
			per million												
(a)	(b)	(c)	(c)	(d)	(e)	(f)		(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	CNG School Buses	Acetaldehyde	3.4E-04							3.33E-07					
	School Weekday	Benzene	1.1E-04												4.90E-07
		1,3-Butadiene	3.9E-04						4.42E-07						
		Formaldehyde	5.9E-03							4.27E-05					
2	Other CNG Vehicles	Acetaldehyde	3.2E-04							3.13E-07					
	School Weekday	Benzene	1.0E-04												4.60E-07
		1,3-Butadiene	3.6E-04						4.15E-07						
		Formaldehyde	5.5E-03							4.00E-05					
3	All CNG Vehicles	Acetaldehyde	2.2E-04							2.16E-07					
	School Weekend	Benzene	7.0E-05												3.19E-07
		1,3-Butadiene	2.5E-04						2.87E-07						
		Formaldehyde	3.8E-03							2.77E-05					
4	All CNG Vehicles	Acetaldehyde	8.7E-04							8.50E-07					
	Non-school Week	Benzene	2.7E-04												1.25E-06
		1,3-Butadiene	9.9E-04						1.13E-06						
		Formaldehyde	1.5E-02							1.09E-04					
		Total	**0.035**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	**2.21E-04**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-06

Total Cancer Risk	**0.035**	per million
Maximum Chronic Hazard Index	**2.21E-04**	**Resp**

Risk Factors used in CARB's HARP2 Program for Residential Receptors

	3rd Trimester	0 < 2 years	2 < 16 years	16 < 70 years	age bin
Dose Exposure Factors:	350	350	350	350	exposure frequency (days/year)
	361	1090	745	290	inhalation rate (L/kg-day) [2]
	1	1	1	1	inhalation absorption factor
Risk Calculation Factors:	10	10	3	1	age sensitivity factor
	0.25	2	14	54	exposure duration (years)
	70	70	70	70	averaging time (years)
	0.85	0.85	0.72	0.73	fraction of time at home

* Key to Toxicological Endpoints

CV	Cardiovascular System
CNS	Central Nervous System
IMMUN	Immune System
KIDN	Kidneys
GILV	Gastrointestinal Tract and Liver/Alimentary Tract
RESP	Respiratory System
REPRO	Reproductive System
SKIN	Skin irritation and/or other effects
EYE	Eye irritation and/or other effects
BONE	Bones and Teeth
ENDO	Endocrine System
BLOOD	Hematological System

[1] For informational purposes, the 30-year and 9-year cancer risks calculated from all emission sources are 0.029 and 0.021 in a million, respectively.

[2] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

Table C3
HARP2 Results for Acute Hazards
Residential Scenario

Source No.	Source	Contaminant	Acute Non-Cancer Risks - Toxicological Endpoints*											
			CV	CNS	IMMUN	KIDNEY	GILV	REPRO	RESP	SKIN	**EYE**	BONE	ENDO	BLOOD
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	CNG School Buses	Acetaldehyde							8.96E-05		8.96E-05			
	School Weekday	Benzene			4.93E-05			4.93E-05						4.93E-05
		1,3-Butadiene						1.21E-06						
		Formaldehyde									6.31E-03			
2	Other CNG Vehicles	Acetaldehyde							2.00E-05		2.00E-05			
	School Weekday	Benzene			1.10E-05			1.10E-05						1.10E-05
		1,3-Butadiene						2.71E-07						
		Formaldehyde									1.41E-03			
3	All CNG Vehicles	Acetaldehyde							3.57E-05		3.57E-05			
	School Weekend	Benzene			1.97E-05			1.97E-05						1.97E-05
		1,3-Butadiene						4.83E-07						
		Formaldehyde									2.53E-03			
4	All CNG Vehicles	Acetaldehyde							3.66E-05		3.66E-05			
	Non-school Week	Benzene			2.01E-05			2.01E-05						2.01E-05
		1,3-Butadiene						4.92E-07						
		Formaldehyde									2.56E-03			
		Total	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	1.03E-04	1.82E-04	0.00E+00	**1.30E-02**	0.00E+00	0.00E+00	1.00E-04

Maximum Acute Hazard Index 1.30E-02 Eye

* Key to Toxicological Endpoints

CV	Cardiovascular System	RESP	Respiratory System
CNS	Central Nervous System	SKIN	Skin irritation and/or other effects
IMMUN	Immune System	EYE	Eye irritation and/or other effects
KIDN	Kidneys	BONE	Bones and Teeth
GILV	Gastrointestinal Tract and Liver/Alimentary Tract	ENDO	Endocrine System
REPRO	Reproductive System	BLOOD	Hematological System