Appendix D Health Risk Assessment

Appendices

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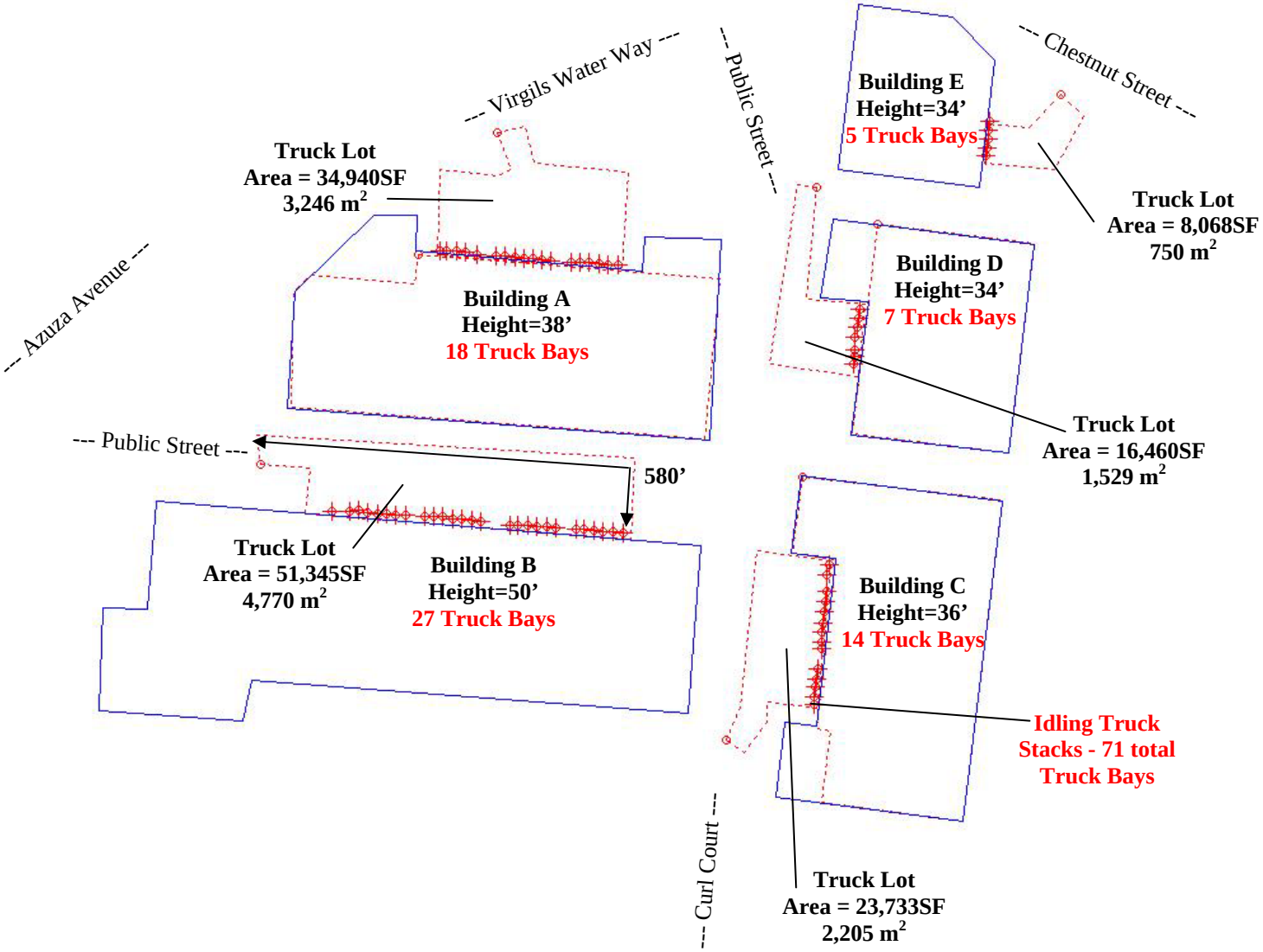
Sources
Proposed Warehouse Buildings
Southwest Corner of Azusa Avenue and Chestnut Street
Industry, CA 91748
Sunday - Saturday: 12:00 AM - 11:59 PM
Chemical and Use Rate
Heavy-Heavy Duty Diesel Trucks (HHDT): 178 truck trip ends per day
Medium-Heavy Duty Diesel Trucks (MHDT): 92 truck trip ends per day
Light-Heavy Duty Diesel Trucks (LHDT1): 87 truck trip ends per day
Light-Heavy Duty Diesel Trucks (LHDT2): 14 truck trip ends per day
Medium-Duty Diesel Trucks (MDV): 76 truck trip ends per day
- Truck idling duration: 15 minutes
Diesel-fueled Forklifts: 11 forklifts operating 12 hours per day, 5 days per week at Buildings A, C, and D
Propane-fueled Forklifts: 1 forklift operating 8.5 hours per day, 5 days per week at Building E



- Lot area is based upon Google Earth Pro, Version 7.1.5.1557.
- Release height of 4.15 m and initial vertical dimension (δy) of 1.93 m is based upon California Air Resources Board's "Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles" (2000).

Weighting Emission Factors

Adjusting the EMFAC2014 emission factors to account for reductions in factors over the exposure duration.

Risk Year	Modeling Year	Period	WF	Weighting Factor		Running Emission Factors (g/mi)				
						PM10 Diesel Fueled - 5 mph				
				Period	Factor	HHDT	MHDT	LHDT1	LHDT2	MDV
1	2017	1	0.033	2017-2020	0.133	0.1010	0.2755	0.0823	0.0659	0.0296
2	2018	1	0.033							
3	2019	1	0.033							
4	2020	1	0.033							
5	2021	1	0.033	2021-2025	0.167	0.0375	0.0132	0.0573	0.0423	0.0200
6	2022	1	0.033							
7	2023	1	0.033							
8	2024	1	0.033							
9	2025	1	0.033							
10	2026	1	0.033	2026-2030	0.167	0.0131	0.0064	0.0373	0.0274	0.0098
11	2027	1	0.033							
12	2028	1	0.033							
13	2029	1	0.033							
14	2030	1	0.033							
15	2031	1	0.033	2031-2035	0.167	0.0120	0.0061	0.0253	0.0205	0.0044
16	2032	1	0.033							
17	2033	1	0.033							
18	2034	1	0.033							
19	2035	1	0.033							
20	2036	1	0.033	2036-2040	0.167	0.0113	0.0059	0.0188	0.0173	0.0030
21	2037	1	0.033							
22	2038	1	0.033							
23	2039	1	0.033							
24	2040	1	0.033							
25	2041	1	0.033	2041-2045	0.167	0.0111	0.0058	0.0152	0.0157	0.0022
26	2042	1	0.033							
27	2043	1	0.033							
28	2044	1	0.033							
29	2045	1	0.033							
30	2046	1	0.033	2046	0.033	0.0110	0.0058	0.0134	0.0152	0.0019
30-year average[1]		30	1.0		1.0	**0.0280**	**0.0432**	**0.0371**	**0.0298**	**0.0106**

WF - period weighting factor

[1] Represent the 30-year weighted average emission factors for each TAC and vehicle speed.

Heavy Duty trucks modeled using HHDT emission factors (EMFAC 2014 v1.0.7)
Medium Duty trucks modeled using MHDT emission factors (EMFAC 2014, v1.0.7)

Weighting Emission Factors

Adjusting the EMFAC2014 emission factors to account for

Risk Year	Modeling Year	Period	WF	Weighting Factor		Idling Emission Factors (g/hr)				
						PM10 Diesel Fueled				
				Period	Factor	HHDT	MHDT	LHDT1	LHDT2	MDV
1	2017	1	0.033	2017-2020	0.133	0.0508	0.3300	0.8351	0.8246	0.3300
2	2018	1	0.033							
3	2019	1	0.033							
4	2020	1	0.033							
5	2021	1	0.033	2021-2025	0.167	0.0197	0.0165	0.7605	0.7519	0.0165
6	2022	1	0.033							
7	2023	1	0.033							
8	2024	1	0.033							
9	2025	1	0.033							
10	2026	1	0.033	2026-2030	0.167	0.0092	0.0038	0.6182	0.6294	0.0038
11	2027	1	0.033							
12	2028	1	0.033							
13	2029	1	0.033							
14	2030	1	0.033							
15	2031	1	0.033	2031-2035	0.167	0.0048	0.0023	0.5050	0.5486	0.0023
16	2032	1	0.033							
17	2033	1	0.033							
18	2034	1	0.033							
19	2035	1	0.033							
20	2036	1	0.033	2036-2040	0.167	0.0029	0.0017	0.4313	0.4946	0.0017
21	2037	1	0.033							
22	2038	1	0.033							
23	2039	1	0.033							
24	2040	1	0.033							
25	2041	1	0.033	2041-2045	0.167	0.0022	0.0015	0.3834	0.4617	0.0015
26	2042	1	0.033							
27	2043	1	0.033							
28	2044	1	0.033							
29	2045	1	0.033							
30	2046	1	0.033	2046	0.033	0.0018	0.0014	0.3559	0.4478	0.0014
30-year average[1]		30	1.0		1.0	**0.0133**	**0.0484**	**0.5729**	**0.6059**	**0.0484**

WF - period weighting factor

[1] Represent the 30-year weighted average emission factor

Heavy Duty trucks modeled using HHDT emission factors
Medium Duty trucks modeled using MHDT emission factor

Running Emissions
Proposed Warehouse Buildings
Southwest Corner of Azusa Avenue and Chestnut Street
Industry, CA 91748

Operation: Shipping and Receiving, Truck Activities - DPM Running Emissions

	hours	days	weeks
Temporal Profile:	24	5	52
	24	2	52

Truck Activity: (1)

HHDT (4+ axel)	178	Truck Trips/Day
MHDT (4+ axel)	92	Truck Trips/Day
LHDT1 (3-axel)	87	Truck Trips/Day
LHDT2 (3-axel)	14	Truck Trips/Day
MDV (2-axel)	76	Truck Trips/Day
Total	447	Truck Trips/Day

Miles Traveled/Trip (Ingress/Egress) 0.11

Running Emissions:	Emission Factor (g/mi)	Emissions (g/sec)
HHDT (4+ axel)	0.0280	6.34E-06
MHDT (4+ axel)	0.0432	5.05E-06
LHDT1 (3-axel)	0.0371	4.10E-06
LHDT2 (3-axel)	0.0298	5.31E-07
MDV (2-axel)	0.0106	1.02E-06
Combined Emissions (g/sec)		1.70E-05

Emissions per Building (3)	No. Bays	Bay Fraction	Adjusted Emissions (g/sec)
Building A	18	0.25	4.32E-06
Building B	27	0.38	6.48E-06
Building C	14	0.20	3.36E-06
Building D	7	0.10	1.68E-06
Building E	5	0.07	1.20E-06
Total	71	1.00	1.70E-05

Note: DPM emission factor assumed to be equal to PM10 emission factor.

(1) 4+ axel trucks evaluated as a combination of heavy-heavy duty trucks (HHDT) and medium-heavy duty trucks (MHDT). 3-axel trucks evaluated as a combination of light-heavy duty trucks (LHDT1 and LHDT2). 2-axel trucks modeled as medium-duty vehicles (MDV).

(2) For DPM, 30-year weighted average PM10 running emission factors for heavy-heavy duty trucks and medium-heavy duty trucks obtained from CARB (EMFAC2014, v1.0.7) for analysis years 2017-2046. Based upon an average lot travel speed of 5 mph.

(3) Total DPM emissions from all trucks divided amonst the buildings by the ratio of trucks bay per building to the total number of project truck bays.

Idling Emissions
Proposed Warehouse Buildings
Southwest Corner of Azusa Avenue and Chestnut Street
Industry, CA 91748

Operation: Shipping and Receiving, Truck Activities - DPM Idling Emissions

	hours	days	weeks
Temporal Profile:	24	5	52
	24	2	52

Truck Activity: (1)

HHDT (4+ axel)	89	Trucks/Day
MHDT (4+ axel)	46	Trucks/Day
LHDT1 (3-axel)	44	Trucks/Day
LHDT2 (3-axel)	7	Trucks/Day
MDV (2-axel)	38	Trucks/Day
Total	224	Trucks/Day
Idling Duration (min)	15	per Truck

Idling Emissions:	Emission Factor (g/hr) (2)	Emissions (g/sec)
HHDT (4+ axel)	0.0133	3.43E-06
MHDT (4+ axel)	0.0484	6.44E-06
LHDT1 (3-axel)	0.5729	7.21E-05
LHDT2 (3-axel)	0.6059	1.23E-05
MDV (2-axel)	0.0484	5.32E-06
Combined Emissions (g/sec)		9.96E-05
Number of Truck Bays		71
Adjusted Emissions (g/sec/bay)		1.40E-06

Point Source Specifications (verticle release): (3)

Stack Velocity	51.71	m/s
Stack Temperature	366	K
Stack Diameter	0.33	ft
Stack Release Height (4)	4.15	m

Note: DPM emission factor assumed to be equal to PM10 emission factor.

(1) 4+ axel trucks evaluated as a combination of heavy-heavy duty trucks (HHDT) and medium-heavy duty trucks (MHDT). 3-axel trucks evaluated as a combination of light-heavy duty trucks (LHDT1 and LHDT2). 2-axel trucks modeled as medium-duty vehicles (MDV).

(2) For DPM, 30-year weighted average PM10 idling emission factors for heavy-heavy duty trucks and medium-heavy duty trucks obtained from CARB (EMFAC2014, v1.0.7) for analysis years 2017-2046.

(3) Diesel exhaust stack parameters from San Joaquin Valley APCD Health Risk Assessment Workshop for "Vertical Exhaust Stack Parameters" (2010).

(4) Stack release height from CARB's Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles (2000).

Diesel Forklift Emissions
Proposed Warehouse Buildings
Southwest Corner of Azusa Avenue and Chestnut Street
Industry, CA 91748

Operation: Off-road Equipment - DPM Emissions [1]

	hours	days	weeks
Temporal Profile:	12	5	52
	0	0	0

Diesel-Forklift Emissions [1]

No. Diesel Forklifts	11	
Maximum Daily Emissions	2.65E+00	lbs/day
	2.21E-01	lbs/hr
	2.78E-02	g/sec

Emissions per Building [2]	Building SF	Fraction	Adjusted Emissions (g/sec)
Building A	127,100	0.43	1.20E-02
Building B [3]	n/a	n/a	n/a
Building C	104,227	0.35	9.86E-03
Building D	62,271	0.21	5.89E-03
Building E [4]	n/a	n/a	n/a
Total	293,598	1.00	2.78E-02

Note: DPM emission factor assumed to be equal to PM10 emission factor.
(1) As specific tenants are not known for Buildings A, C, and D at the time of the CEQA analysis, diesel-fueled forklifts were included in the CalEEMod operational run (see EIR AQ section) and included in the HRA. Based on preliminary information, it was assumed 11 diesel forklifts could potentially be used for operations at Buildings A, C, and D. The maximum daily PM10 emissions (lbs/day) from the forklists was taken from the
(2) Total DPM emissions from all forklifts divided amonst the Buildings A, C, and D by the ratio of building square footage per building to the combined building square footage.
(3) Based on preliminary information provided by the applicant, no forklifts are planned for Building B.
(4) Based on preliminary information provided by the applicant, 1 propane forklift is planned for Building E.

Propane Forklift Emissions
Proposed Warehouse Buildings
Southwest Corner of Azusa Avenue and Chestnut Street
Industry, CA 91748

Operation: Off-road Equipment - Building E [1]

	hours	days	weeks
Temporal Profile:	8.5	5	52
	0	0	0

Forklift Emissions [1]

No. Forklifts	1	
Fuel Consumption	0.79	gal/hr

Speciation:	Emission Factor	Emissions lb/hr	Emissions g/sec	Wt Fraction
Acetaldehyde	0.2520	2.00E-04	2.52E-05	7.81E-02
Acrolein	0.2380	1.89E-04	2.38E-05	7.38E-02
Ammonia	0.3000	2.38E-04	3.00E-05	9.30E-02
Benzene	0.1430	1.13E-04	1.43E-05	4.43E-02
1,3-Butadiene	0.0600	4.76E-05	5.99E-06	1.86E-02
Carbon Tetrachloride	0.0016	1.27E-06	1.60E-07	4.96E-04
Chloroform	0.0012	9.83E-07	1.24E-07	3.84E-04
1,2-Dichloroethane	0.0010	8.08E-07	1.02E-07	3.16E-04
1,2-Dichloropropane	0.0012	9.35E-07	1.18E-07	3.66E-04
1,3-Dichloropropene	0.0012	9.11E-07	1.15E-07	3.56E-04
Ethylbenzene	0.0022	1.78E-06	2.24E-07	6.94E-04
Ethylene Dibromide	0.0019	1.53E-06	1.93E-07	5.98E-04
Formaldehyde	1.8600	1.47E-03	1.86E-04	5.76E-01
Methanol	0.2770	2.20E-04	2.77E-05	8.59E-02
Methylene Chloride	0.0037	2.96E-06	3.72E-07	1.16E-03
Naphthalene	0.0088	6.97E-06	8.78E-07	2.72E-03
Styrene	0.0011	8.56E-07	1.08E-07	3.35E-04
1,1,2,2-Tetrachloroethane	0.0023	1.81E-06	2.29E-07	7.10E-04
1,1,2-Trichloroethane	0.0014	1.09E-06	1.38E-07	4.28E-04
Toluene	0.0505	4.00E-05	5.04E-06	1.57E-02
Vinyl Chloride	0.0007	5.15E-07	6.49E-08	2.01E-04
Xylene	0.0176	1.39E-05	1.76E-06	5.46E-03
Combined Emissions (g/sec)			3.22E-04	1.00

Emissions per Building [1]	Adjusted Emissions (g/sec)
Building A	n/a
Building B	n/a
Building C	n/a
Building D	n/a
Building E	3.22E-04

(1) Based on preliminary information provided by the applicant, 1 propane forklift is planned for Building E. No other propane forklifts are specified for the other buildings.

(2) Emission factors from SCAQMD Supplemental Instructions: Reporting Procedures for AB2588 Facilities, for LPG, Butane, or Propane Combustion, Internal Combustion, 4 stroke-rich burn (December 2014).

Propane Forklift Emissions
Proposed Warehouse Buildings
Southwest Corner of Azusa Avenue and Chestnut Street
Industry, CA 91748

Operation: Off-road Equipment - TAC Emissions

	hours	days	weeks
Temporal Profile:	12	5	52
	0	0	0

Forklift Emissions [1]

No. Forklifts	11	
Fuel Consumption	0.79	gal/hr

Speciation:	Emission Factor	Emissions lb/hr	Emissions g/sec	Wt Fraction
Acetaldehyde	0.2520	2.20E-03	2.77E-04	7.81E-02
Acrolein	0.2380	2.07E-03	2.61E-04	7.38E-02
Ammonia	0.3000	2.62E-03	3.30E-04	9.30E-02
Benzene	0.1430	1.25E-03	1.57E-04	4.43E-02
1,3-Butadiene	0.0600	5.23E-04	6.59E-05	1.86E-02
Carbon Tetrachloride	0.0016	1.39E-05	1.76E-06	4.96E-04
Chloroform	0.0012	1.08E-05	1.36E-06	3.84E-04
1,2-Dichloroethane	0.0010	8.89E-06	1.12E-06	3.16E-04
1,2-Dichloropropane	0.0012	1.03E-05	1.30E-06	3.66E-04
1,3-Dichloropropene	0.0012	1.00E-05	1.26E-06	3.56E-04
Ethylbenzene	0.0022	1.95E-05	2.46E-06	6.94E-04
Ethylene Dibromide	0.0019	1.68E-05	2.12E-06	5.98E-04
Formaldehyde	1.8600	1.62E-02	2.04E-03	5.76E-01
Methanol	0.2770	2.41E-03	3.04E-04	8.59E-02
Methylene Chloride	0.0037	3.25E-05	4.10E-06	1.16E-03
Naphthalene	0.0088	7.66E-05	9.66E-06	2.72E-03
Styrene	0.0011	9.42E-06	1.19E-06	3.35E-04
1,1,2,2-Tetrachloroethane	0.0023	2.00E-05	2.52E-06	7.10E-04
1,1,2-Trichloroethane	0.0014	1.20E-05	1.52E-06	4.28E-04
Toluene	0.0505	4.40E-04	5.55E-05	1.57E-02
Vinyl Chloride	0.0007	5.67E-06	7.14E-07	2.01E-04
Xylene	0.0176	1.53E-04	1.93E-05	5.46E-03
Combined Emissions (g/sec)			3.54E-03	1.00

Emissions per Building [3]	Bldg SF	Fraction	Adjusted Emissions (g/sec)
Building A	127,100	0.43	1.53E-03
Building B [4]	n/a	n/a	n/a
Building C	104,227	0.35	1.26E-03
Building D	62,271	0.21	7.52E-04
Building E [5]	n/a	n/a	n/a
Total	293,598	1.00	3.54E-03

Note: DPM emission factor assumed to be equal to PM10 emission factor.

(1) Propane-fueled forklifts were determined for the mitigated operational AQ analysis (see EIR AQ section). Based on preliminary information, it was assumed 11 propane forklifts could potentially be used for operations at Buildings A, C, and D.

(2) Emission factors from SCAQMD Supplemental Instructions: Reporting Procedures for AB2588 Facilities, for LPG, Butane, or Propane Combustion, Internal Combustion, 4 stroke-rich burn (December 2014).

(3) Total TAC emissions from all forklifts divided amonst the Buildings A, C, and D by the ratio of building square footage per building to the combined building square footage.

(4) Based on preliminary information provided by the applicant, no forklifts are planned for Building

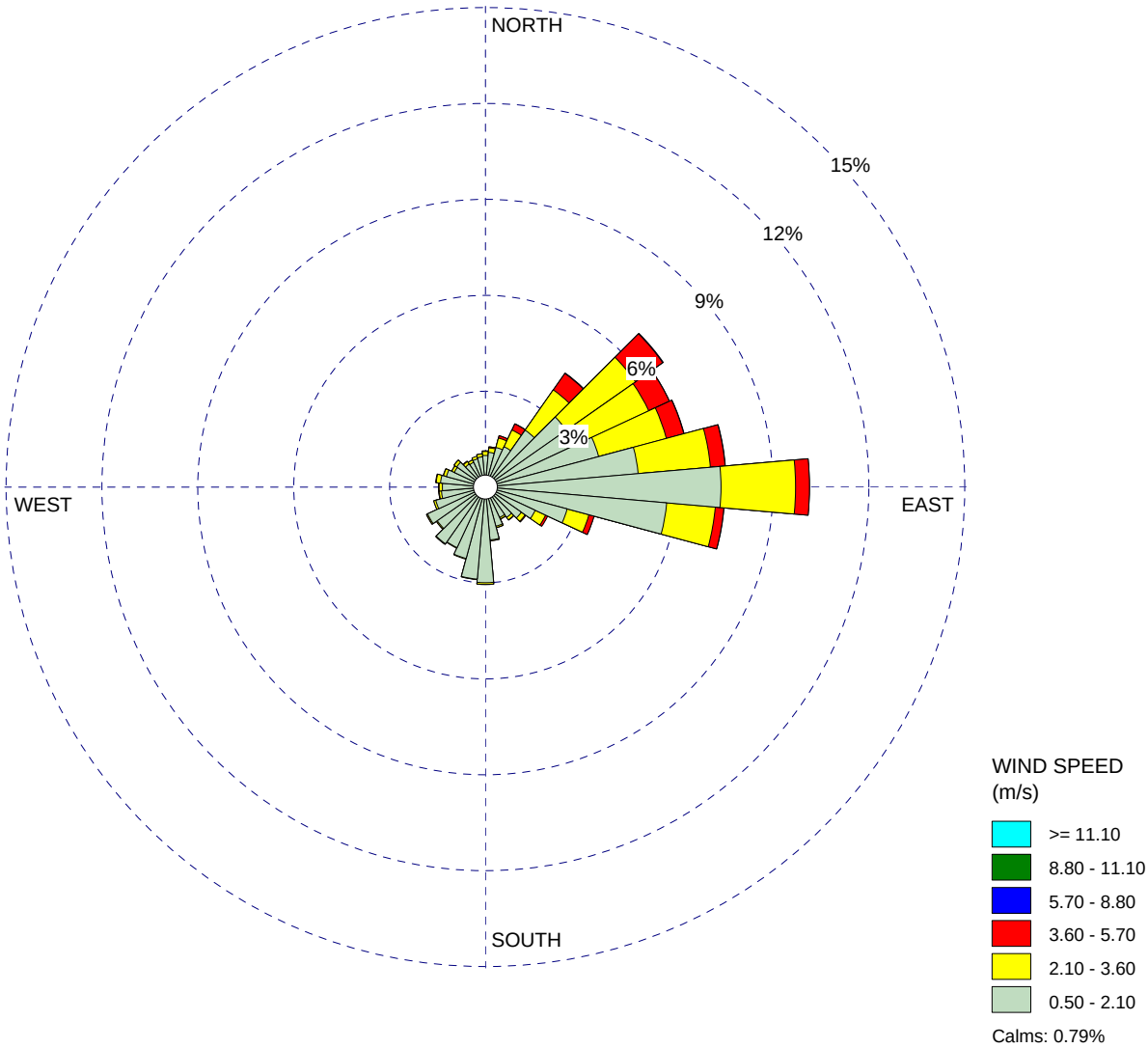
(5) Forklift for Bldg E already accounted for in unmitigated model run.

WIND ROSE PLOT:

Pomona 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: **0.79%**	TOTAL COUNT: **43406 hrs.**	
	AVG. WIND SPEED: **1.38 m/s**	DATE: **1/14/2016**	PROJECT NO.: **IND-07.137**

WRPLOT View - Lakes Environmental Software

Model Output
Unit Emission Rates (1 g/s)

Results Summary

Warehouse Buildings
HRA

Concentration - Source Group: 1A Truck Running - Bldg A

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	887.77249		414206.66	3763412.70	112.92	0.00	112.92	9/22/2009, 23
PERIOD		10.44957		414206.66	3763412.70	112.92	0.00	112.92	

Concentration - Source Group: 1B Truck Running - Bldg B

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	453.24470		414206.66	3763412.70	112.92	0.00	112.92	7/19/2012, 6
PERIOD		4.30073		414206.66	3763412.70	112.92	0.00	112.92	

Concentration - Source Group: 1C Truck Running - Bldg C

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	339.87141		414206.66	3763412.70	112.92	0.00	112.92	9/25/2010, 3
PERIOD		2.49174		414206.66	3763412.70	112.92	0.00	112.92	

Model Output
Unit Emission Rates (1 g/s)

Results Summary

Warehouse Buildings
HRA

Concentration - Source Group: 1D Truck Running - Bldg D

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	477.88472		414206.66	3763412.70	112.92	0.00	112.92	7/22/2010, 4
PERIOD		5.00323		414206.66	3763412.70	112.92	0.00	112.92	

Concentration - Source Group: 1E Truck Running - Bldg E

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	400.34717		414206.66	3763412.70	112.92	0.00	112.92	9/6/2011, 23
PERIOD		5.29044		414206.66	3763412.70	112.92	0.00	112.92	

Concentration - Source Group: 3A Forklifts - Bldg A

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	509.69989		414206.66	3763412.70	112.92	0.00	112.92	10/4/2010, 7
PERIOD		2.23889		414206.66	3763412.70	112.92	0.00	112.92	

Concentration - Source Group: 3C Forklifts - Bldg C

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	284.07315		414206.66	3763412.70	112.92	0.00	112.92	12/24/2008, 18
PERIOD		0.72312		414206.66	3763412.70	112.92	0.00	112.92	

Model Output
Unit Emission Rates (1 g/s)

Results Summary

Warehouse Buildings
HRA

Concentration - Source Group: 3D Forklifts - Bldg D

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	365.42556		414206.66	3763412.70	112.92	0.00	112.92	4/6/2011, 7
PERIOD		1.07469		414206.66	3763412.70	112.92	0.00	112.92	

Concentration - Source Group: 3E Forklift - Bldg E

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	205.84201		414206.66	3763452.70	111.37	0.00	111.37	1/11/2011, 17
PERIOD		0.58101		414206.66	3763412.70	112.92	0.00	112.92	

Concentration - Source Group: IDLING Truck Idling (all truck bays)

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	18783.24787		414156.66	3763412.70	112.43	0.00	112.43	12/22/2010, 8
PERIOD		485.58160		414206.66	3763412.70	112.92	0.00	112.92	

Model Input
Unit Emission Rates (1 g/s)

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                         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    80 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =     40435.0 ;  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:     80 Source(s);      10 Source Group(s); and      37 Receptor(s)

               with:     71 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:      0 VOLUME source(s)
                and:      9 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
```

```
**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) =   270.00 ;  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 =      3.7 MB of RAM.

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

Model Input
Unit Emission Rates (1 g/s)

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK71	0	0.10000E+01	414301.3	3763266.3	115.4	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK1	0	0.10000E+01	414303.8	3763266.3	115.4	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK2	0	0.10000E+01	414307.7	3763265.9	115.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK3	0	0.10000E+01	414311.5	3763265.4	115.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK4	0	0.10000E+01	414316.6	3763264.4	115.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK5	0	0.10000E+01	414324.6	3763264.0	115.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK6	0	0.10000E+01	414328.2	3763264.0	115.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK7	0	0.10000E+01	414332.5	3763263.6	115.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK8	0	0.10000E+01	414336.1	3763263.0	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK9	0	0.10000E+01	414339.9	3763262.8	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK10	0	0.10000E+01	414343.5	3763262.5	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK11	0	0.10000E+01	414347.3	3763262.0	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK12	0	0.10000E+01	414356.0	3763261.3	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK13	0	0.10000E+01	414359.8	3763261.3	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK14	0	0.10000E+01	414363.4	3763261.2	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK15	0	0.10000E+01	414367.6	3763261.0	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK16	0	0.10000E+01	414371.4	3763260.5	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK17	0	0.10000E+01	414375.5	3763260.5	115.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK18	0	0.10000E+01	414255.5	3763157.1	116.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK19	0	0.10000E+01	414263.1	3763157.1	116.8	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK20	0	0.10000E+01	414266.8	3763157.2	116.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK21	0	0.10000E+01	414270.8	3763156.4	116.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK22	0	0.10000E+01	414274.9	3763156.1	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK23	0	0.10000E+01	414278.7	3763155.9	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK24	0	0.10000E+01	414282.4	3763155.4	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK25	0	0.10000E+01	414286.5	3763155.6	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK26	0	0.10000E+01	414294.7	3763154.8	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK27	0	0.10000E+01	414298.4	3763154.6	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK28	0	0.10000E+01	414302.3	3763154.6	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK29	0	0.10000E+01	414306.2	3763153.8	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK30	0	0.10000E+01	414309.9	3763153.8	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK31	0	0.10000E+01	414314.3	3763153.0	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK32	0	0.10000E+01	414318.2	3763152.8	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK33	0	0.10000E+01	414330.2	3763151.1	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK34	0	0.10000E+01	414333.5	3763151.1	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK35	0	0.10000E+01	414337.9	3763151.0	116.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK36	0	0.10000E+01	414341.5	3763150.7	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK37	0	0.10000E+01	414345.8	3763150.7	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY

STCK38	0	0.10000E+01	414349.8	3763150.2	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK39	0	0.10000E+01	414357.8	3763149.7	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK40	0	0.10000E+01	414361.2	3763149.3	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK41	0	0.10000E+01	414365.5	3763149.0	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK42	0	0.10000E+01	414369.5	3763148.5	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK43	0	0.10000E+01	414373.4	3763148.4	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK44	0	0.10000E+01	414377.5	3763148.0	116.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK45	0	0.10000E+01	414457.6	3763075.8	117.4	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK46	0	0.10000E+01	414457.8	3763079.1	117.3	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK47	0	0.10000E+01	414458.1	3763083.3	117.3	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK48	0	0.10000E+01	414458.8	3763086.6	117.2	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK49	0	0.10000E+01	414459.1	3763090.7	117.2	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK50	0	0.10000E+01	414460.8	3763099.4	117.1	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK51	0	0.10000E+01	414460.9	3763102.2	117.1	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK52	0	0.10000E+01	414460.8	3763106.2	117.0	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK53	0	0.10000E+01	414461.4	3763110.1	117.0	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK54	0	0.10000E+01	414461.9	3763114.9	117.0	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK55	0	0.10000E+01	414462.4	3763119.3	116.9	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK56	0	0.10000E+01	414462.9	3763123.2	116.9	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK57	0	0.10000E+01	414463.2	3763130.5	116.8	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK58	0	0.10000E+01	414464.0	3763134.7	116.8	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK59	0	0.10000E+01	414474.1	3763218.8	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK60	0	0.10000E+01	414474.7	3763222.1	115.7	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK61	0	0.10000E+01	414474.9	3763224.7	115.6	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK62	0	0.10000E+01	414474.7	3763230.1	115.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK63	0	0.10000E+01	414475.9	3763234.4	115.5	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK64	0	0.10000E+01	414476.5	3763238.0	115.4	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK65	0	0.10000E+01	414476.7	3763241.5	115.4	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK66	0	0.10000E+01	414531.2	3763320.4	114.0	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK67	0	0.10000E+01	414530.9	3763317.0	114.1	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK68	0	0.10000E+01	414530.5	3763313.2	114.2	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK69	0	0.10000E+01	414529.9	3763309.4	114.3	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY
STCK70	0	0.10000E+01	414529.6	3763306.2	114.4	4.15	366.00	51.71	0.10	YES	YES	NO	HROFDY

Model Input
Unit Emission Rates (1 g/s)

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
1A	0	0.30810E-03	414324.8	3763315.9	115.0	4.15	9	1.93	YES	HROFDY
1B	0	0.20964E-03	414226.1	3763176.8	116.4	4.15	6	1.93	YES	HROFDY
1C	0	0.45350E-03	414420.9	3763061.3	117.5	4.15	8	1.93	YES	HROFDY
1D	0	0.65400E-03	414458.7	3763292.9	114.6	4.15	6	1.93	YES	HROFDY
1E	0	0.13340E-02	414560.9	3763331.7	113.5	4.15	6	1.93	YES	HROFDY
3A	0	0.88540E-04	414292.0	3763264.4	115.4	4.15	7	1.93	YES	HRDOW
3C	0	0.10736E-03	414453.0	3763171.3	116.4	4.15	8	1.93	YES	HRDOW
3D	0	0.17168E-03	414484.1	3763277.2	114.9	4.15	4	1.93	YES	HRDOW
3E	0	0.26515E-03	414476.6	3763367.5	113.9	4.15	5	1.93	YES	HRDOW

Model Input
Unit Emission Rates (1 g/s)

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                         PAGE   5
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** SOURCE IDs DEFINING SOURCE GROUPS ***

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

 1A         1A          ,

 1B         1B          ,

 1C         1C          ,

 1D         1D          ,

 1E         1E          ,

 3A         3A          ,

 3C         3C          ,

 3D         3D          ,

 IDLING     STCK71      , STCK1       , STCK2       , STCK3       , STCK4       , STCK5       , STCK6       , STCK7       ,

            STCK8       , STCK9       , STCK10      , STCK11      , STCK12      , STCK13      , STCK14      , STCK15      ,

            STCK16      , STCK17      , STCK18      , STCK19      , STCK20      , STCK21      , STCK22      , STCK23      ,

            STCK24      , STCK25      , STCK26      , STCK27      , STCK28      , STCK29      , STCK30      , STCK31      ,

            STCK32      , STCK33      , STCK34      , STCK35      , STCK36      , STCK37      , STCK38      , STCK39      ,

            STCK40      , STCK41      , STCK42      , STCK43      , STCK44      , STCK45      , STCK46      , STCK47      ,

            STCK48      , STCK49      , STCK50      , STCK51      , STCK52      , STCK53      , STCK54      , STCK55      ,

            STCK56      , STCK57      , STCK58      , STCK59      , STCK60      , STCK61      , STCK62      , STCK63      ,

            STCK64      , STCK65      , STCK66      , STCK67      , STCK68      , STCK69      , STCK70      ,

 3E         3E          ,
```

Model Input
Unit Emission Rates (1 g/s)

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE   6
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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

               40435.   1A          , 1B          , 1C          , 1D          , 1E          , STCK71      , STCK1       ,
STCK2       ,

           STCK3       , STCK4       , STCK5       , STCK6       , STCK7       , STCK8       , STCK9       , STCK10      ,

           STCK11      , STCK12      , STCK13      , STCK14      , STCK15      , STCK16      , STCK17      , STCK18      ,

           STCK19      , STCK20      , STCK21      , STCK22      , STCK23      , STCK24      , STCK25      , STCK26      ,

           STCK27      , STCK28      , STCK29      , STCK30      , STCK31      , STCK32      , STCK33      , STCK34      ,

           STCK35      , STCK36      , STCK37      , STCK38      , STCK39      , STCK40      , STCK41      , STCK42      ,

           STCK43      , STCK44      , STCK45      , STCK46      , STCK47      , STCK48      , STCK49      , STCK50      ,

           STCK51      , STCK52      , STCK53      , STCK54      , STCK55      , STCK56      , STCK57      , STCK58      ,

           STCK59      , STCK60      , STCK61      , STCK62      , STCK63      , STCK64      , STCK65      , STCK66      ,

           STCK67      , STCK68      , STCK69      , STCK70      , 3A          , 3C          , 3D          , 3E          ,
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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE   7
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
```

SOURCE ID: STCK71

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-76.5,	-33.9,	2	11.6,	184.8,	128.6,	-84.2,	-40.9,
3	11.6,	181.9,	152.1,	-89.5,	-46.6,	4	11.6,	173.4,	170.8,	-92.0,	-51.0,
5	11.6,	163.0,	184.4,	-91.7,	-52.1,	6	11.6,	152.3,	192.4,	-88.6,	-49.2,
7	11.6,	137.1,	194.6,	-82.8,	-44.9,	8	11.6,	117.6,	190.8,	-74.5,	-39.2,
9	11.6,	94.6,	181.3,	-64.0,	-32.4,	10	11.6,	101.3,	182.1,	-57.1,	-25.8,
11	11.6,	128.6,	184.8,	-51.5,	-19.9,	12	11.6,	152.1,	181.9,	-44.3,	-13.4,
13	11.6,	170.8,	173.4,	-35.7,	-6.5,	14	11.6,	184.4,	163.0,	-29.4,	0.6,
15	11.6,	192.4,	152.3,	-26.9,	7.6,	16	11.6,	194.6,	137.1,	-23.6,	14.5,
17	11.6,	190.8,	117.6,	-19.6,	20.9,	18	11.6,	181.3,	94.6,	-14.9,	26.7,
19	11.6,	182.1,	101.3,	-24.9,	33.9,	20	11.6,	184.8,	128.6,	-44.4,	40.9,
21	11.6,	181.9,	152.1,	-62.6,	46.6,	22	11.6,	173.4,	170.8,	-78.9,	51.0,
23	11.6,	163.0,	184.4,	-92.8,	52.1,	24	11.6,	152.3,	192.4,	-103.9,	49.2,
25	11.6,	137.1,	194.6,	-111.8,	44.9,	26	11.6,	117.6,	190.8,	-116.3,	39.2,
27	11.6,	94.6,	181.3,	-117.3,	32.4,	28	11.6,	101.3,	182.1,	-125.0,	25.8,
29	11.6,	128.6,	184.8,	-133.3,	19.9,	30	11.6,	152.1,	181.9,	-137.6,	13.4,
31	11.6,	170.8,	173.4,	-137.7,	6.5,	32	11.6,	184.4,	163.0,	-133.6,	-0.6,
33	11.6,	192.4,	152.3,	-125.4,	-7.6,	34	11.6,	194.6,	137.1,	-113.5,	-14.5,
35	11.6,	190.8,	117.6,	-98.0,	-20.9,	36	11.6,	181.3,	94.6,	-79.7,	-26.7,

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-76.9,	-31.4,	2	11.6,	184.8,	128.6,	-85.1,	-38.5,
3	11.6,	181.9,	152.1,	-90.7,	-44.4,	4	11.6,	173.4,	170.8,	-93.5,	-49.0,
5	11.6,	163.0,	184.4,	-93.6,	-50.4,	6	11.6,	152.3,	192.4,	-90.8,	-48.0,
7	11.6,	137.1,	194.6,	-85.2,	-44.0,	8	11.6,	117.6,	190.8,	-77.0,	-38.8,
9	11.6,	94.6,	181.3,	-66.5,	-32.3,	10	11.6,	101.3,	182.1,	-59.6,	-26.2,
11	11.6,	128.6,	184.8,	-53.9,	-20.8,	12	11.6,	152.1,	181.9,	-46.5,	-14.7,
13	11.6,	170.8,	173.4,	-37.7,	-8.1,	14	11.6,	184.4,	163.0,	-31.1,	-1.4,
15	11.6,	192.4,	152.3,	-28.2,	5.5,	16	11.6,	194.6,	137.1,	-24.5,	12.1,
17	11.6,	190.8,	117.6,	-20.0,	18.4,	18	11.6,	181.3,	94.6,	-14.9,	24.1,
19	11.6,	182.1,	101.3,	-24.4,	31.4,	20	11.6,	184.8,	128.6,	-43.6,	38.5,
21	11.6,	181.9,	152.1,	-61.4,	44.4,	22	11.6,	173.4,	170.8,	-77.3,	49.0,
23	11.6,	163.0,	184.4,	-90.9,	50.4,	24	11.6,	152.3,	192.4,	-101.7,	48.0,
25	11.6,	137.1,	194.6,	-109.4,	44.0,	26	11.6,	117.6,	190.8,	-113.8,	38.8,
27	11.6,	94.6,	181.3,	-114.8,	32.3,	28	11.6,	101.3,	182.1,	-122.5,	26.2,
29	11.6,	128.6,	184.8,	-130.9,	20.8,	30	11.6,	152.1,	181.9,	-135.4,	14.7,
31	11.6,	170.8,	173.4,	-135.7,	8.1,	32	11.6,	184.4,	163.0,	-131.9,	1.4,
33	11.6,	192.4,	152.3,	-124.1,	-5.5,	34	11.6,	194.6,	137.1,	-112.6,	-12.1,
35	11.6,	190.8,	117.6,	-97.6,	-18.4,	36	11.6,	181.3,	94.6,	-79.6,	-24.1,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-77.2,	-27.5,	2	11.6,	184.8,	128.6,	-86.1,	-34.7,
3	11.6,	181.9,	152.1,	-92.4,	-40.9,	4	11.6,	173.4,	170.8,	-95.8,	-45.8,
5	11.6,	163.0,	184.4,	-96.4,	-47.6,	6	11.6,	152.3,	192.4,	-94.0,	-45.7,
7	11.6,	137.1,	194.6,	-88.8,	-42.4,	8	11.6,	117.6,	190.8,	-80.8,	-37.8,
9	11.6,	94.6,	181.3,	-70.4,	-32.0,	10	11.6,	101.3,	182.1,	-63.5,	-26.6,
11	11.6,	128.6,	184.8,	-57.7,	-21.8,	12	11.6,	152.1,	181.9,	-50.1,	-16.4,
13	11.6,	170.8,	173.4,	-40.9,	-10.4,	14	11.6,	184.4,	163.0,	-33.8,	-4.2,
15	11.6,	192.4,	152.3,	-30.5,	2.2,	16	11.6,	194.6,	137.1,	-26.1,	8.5,
17	11.6,	190.8,	117.6,	-21.0,	14.6,	18	11.6,	181.3,	94.6,	-15.3,	20.2,
19	11.6,	182.1,	101.3,	-24.1,	27.5,	20	11.6,	184.8,	128.6,	-42.5,	34.7,
21	11.6,	181.9,	152.1,	-59.7,	40.9,	22	11.6,	173.4,	170.8,	-75.0,	45.8,
23	11.6,	163.0,	184.4,	-88.1,	47.6,	24	11.6,	152.3,	192.4,	-98.4,	45.7,
25	11.6,	137.1,	194.6,	-105.8,	42.4,	26	11.6,	117.6,	190.8,	-110.0,	37.8,
27	11.6,	94.6,	181.3,	-110.8,	32.0,	28	11.6,	101.3,	182.1,	-118.5,	26.6,
29	11.6,	128.6,	184.8,	-127.1,	21.8,	30	11.6,	152.1,	181.9,	-131.8,	16.4,
31	11.6,	170.8,	173.4,	-132.5,	10.4,	32	11.6,	184.4,	163.0,	-129.1,	4.2,
33	11.6,	192.4,	152.3,	-121.9,	-2.2,	34	11.6,	194.6,	137.1,	-110.9,	-8.5,
35	11.6,	190.8,	117.6,	-96.6,	-14.6,	36	11.6,	181.3,	94.6,	-79.3,	-20.2,

SOURCE ID: STCK3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-77.4,	-23.7,	2	11.6,	184.8,	128.6,	-86.9,	-31.0,
3	11.6,	181.9,	152.1,	-93.8,	-37.4,	4	11.6,	173.4,	170.8,	-97.9,	-42.6,
5	11.6,	163.0,	184.4,	-99.0,	-44.8,	6	11.6,	152.3,	192.4,	-97.0,	-43.4,
7	11.6,	137.1,	194.6,	-92.1,	-40.6,	8	11.6,	117.6,	190.8,	-84.5,	-36.6,
9	11.6,	94.6,	181.3,	-74.2,	-31.5,	10	11.6,	101.3,	182.1,	-67.3,	-26.7,
11	11.6,	128.6,	184.8,	-61.4,	-22.6,	12	11.6,	152.1,	181.9,	-53.6,	-17.8,
13	11.6,	170.8,	173.4,	-44.1,	-12.5,	14	11.6,	184.4,	163.0,	-36.6,	-6.7,
15	11.6,	192.4,	152.3,	-32.8,	-0.8,	16	11.6,	194.6,	137.1,	-27.9,	5.2,
17	11.6,	190.8,	117.6,	-22.2,	11.0,	18	11.6,	181.3,	94.6,	-15.8,	16.4,
19	11.6,	182.1,	101.3,	-23.9,	23.7,	20	11.6,	184.8,	128.6,	-41.7,	31.0,
21	11.6,	181.9,	152.1,	-58.2,	37.4,	22	11.6,	173.4,	170.8,	-73.0,	42.6,
23	11.6,	163.0,	184.4,	-85.5,	44.8,	24	11.6,	152.3,	192.4,	-95.4,	43.4,
25	11.6,	137.1,	194.6,	-102.5,	40.6,	26	11.6,	117.6,	190.8,	-106.4,	36.6,
27	11.6,	94.6,	181.3,	-107.1,	31.5,	28	11.6,	101.3,	182.1,	-114.8,	26.7,
29	11.6,	128.6,	184.8,	-123.4,	22.6,	30	11.6,	152.1,	181.9,	-128.3,	17.8,
31	11.6,	170.8,	173.4,	-129.3,	12.5,	32	11.6,	184.4,	163.0,	-126.3,	6.7,
33	11.6,	192.4,	152.3,	-119.6,	0.8,	34	11.6,	194.6,	137.1,	-109.2,	-5.2,
35	11.6,	190.8,	117.6,	-95.4,	-11.0,	36	11.6,	181.3,	94.6,	-78.8,	-16.4,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE   8
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-77.3,	-18.5,	2	11.6,	184.8,	128.6,	-87.8,	-25.9,
3	11.6,	181.9,	152.1,	-95.5,	-32.5,	4	11.6,	173.4,	170.8,	-100.4,	-38.0,
5	11.6,	163.0,	184.4,	-102.2,	-40.8,	6	11.6,	152.3,	192.4,	-100.9,	-40.0,
7	11.6,	137.1,	194.6,	-96.6,	-38.0,	8	11.6,	117.6,	190.8,	-89.3,	-34.8,
9	11.6,	94.6,	181.3,	-79.3,	-30.5,	10	11.6,	101.3,	182.1,	-72.5,	-26.7,
11	11.6,	128.6,	184.8,	-66.5,	-23.4,	12	11.6,	152.1,	181.9,	-58.5,	-19.5,
13	11.6,	170.8,	173.4,	-48.6,	-15.0,	14	11.6,	184.4,	163.0,	-40.7,	-10.0,
15	11.6,	192.4,	152.3,	-36.2,	-4.7,	16	11.6,	194.6,	137.1,	-30.6,	0.7,
17	11.6,	190.8,	117.6,	-24.0,	6.1,	18	11.6,	181.3,	94.6,	-16.7,	11.3,
19	11.6,	182.1,	101.3,	-24.0,	18.5,	20	11.6,	184.8,	128.6,	-40.9,	25.9,
21	11.6,	181.9,	152.1,	-56.5,	32.5,	22	11.6,	173.4,	170.8,	-70.4,	38.0,
23	11.6,	163.0,	184.4,	-82.2,	40.8,	24	11.6,	152.3,	192.4,	-91.5,	40.0,
25	11.6,	137.1,	194.6,	-98.0,	38.0,	26	11.6,	117.6,	190.8,	-101.5,	34.8,
27	11.6,	94.6,	181.3,	-102.0,	30.5,	28	11.6,	101.3,	182.1,	-109.6,	26.7,
29	11.6,	128.6,	184.8,	-118.3,	23.4,	30	11.6,	152.1,	181.9,	-123.4,	19.5,
31	11.6,	170.8,	173.4,	-124.8,	15.0,	32	11.6,	184.4,	163.0,	-122.3,	10.0,
33	11.6,	192.4,	152.3,	-116.2,	4.7,	34	11.6,	194.6,	137.1,	-106.5,	-0.7,
35	11.6,	190.8,	117.6,	-93.6,	-6.1,	36	11.6,	181.3,	94.6,	-77.8,	-11.3,

SOURCE ID: STCK5

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-78.2,	-10.5,	2	11.6,	184.8,	128.6,	-90.0,	-18.2,
3	11.6,	181.9,	152.1,	-99.1,	-25.2,	4	11.6,	173.4,	170.8,	-105.2,	-31.6,
5	11.6,	163.0,	184.4,	-108.1,	-35.3,	6	11.6,	152.3,	192.4,	-107.6,	-35.5,
7	11.6,	137.1,	194.6,	-104.0,	-34.8,	8	11.6,	117.6,	190.8,	-97.1,	-32.9,
9	11.6,	94.6,	181.3,	-87.3,	-30.0,	10	11.6,	101.3,	182.1,	-80.5,	-27.6,
11	11.6,	128.6,	184.8,	-74.2,	-25.7,	12	11.6,	152.1,	181.9,	-65.7,	-23.1,
13	11.6,	170.8,	173.4,	-55.1,	-19.8,	14	11.6,	184.4,	163.0,	-46.2,	-15.8,
15	11.6,	192.4,	152.3,	-40.6,	-11.4,	16	11.6,	194.6,	137.1,	-33.8,	-6.7,
17	11.6,	190.8,	117.6,	-25.9,	-1.7,	18	11.6,	181.3,	94.6,	-17.2,	3.3,
19	11.6,	182.1,	101.3,	-23.1,	10.5,	20	11.6,	184.8,	128.6,	-38.6,	18.2,
21	11.6,	181.9,	152.1,	-52.9,	25.2,	22	11.6,	173.4,	170.8,	-65.6,	31.6,
23	11.6,	163.0,	184.4,	-76.4,	35.3,	24	11.6,	152.3,	192.4,	-84.8,	35.5,
25	11.6,	137.1,	194.6,	-90.6,	34.8,	26	11.6,	117.6,	190.8,	-93.7,	32.9,
27	11.6,	94.6,	181.3,	-93.9,	30.0,	28	11.6,	101.3,	182.1,	-101.6,	27.6,
29	11.6,	128.6,	184.8,	-110.5,	25.7,	30	11.6,	152.1,	181.9,	-116.2,	23.1,
31	11.6,	170.8,	173.4,	-118.3,	19.8,	32	11.6,	184.4,	163.0,	-116.8,	15.8,
33	11.6,	192.4,	152.3,	-111.7,	11.4,	34	11.6,	194.6,	137.1,	-103.3,	6.7,
35	11.6,	190.8,	117.6,	-91.7,	1.7,	36	11.6,	181.3,	94.6,	-77.3,	-3.3,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-78.8,	-7.0,	2	11.6,	184.8,	128.6,	-91.3,	-14.8,
3	11.6,	181.9,	152.1,	-100.9,	-22.1,	4	11.6,	173.4,	170.8,	-107.5,	-28.8,
5	11.6,	163.0,	184.4,	-110.8,	-32.9,	6	11.6,	152.3,	192.4,	-110.8,	-33.7,
7	11.6,	137.1,	194.6,	-107.4,	-33.5,	8	11.6,	117.6,	190.8,	-100.7,	-32.3,
9	11.6,	94.6,	181.3,	-91.0,	-30.0,	10	11.6,	101.3,	182.1,	-84.1,	-28.2,
11	11.6,	128.6,	184.8,	-77.6,	-27.0,	12	11.6,	152.1,	181.9,	-68.8,	-24.9,
13	11.6,	170.8,	173.4,	-57.9,	-22.1,	14	11.6,	184.4,	163.0,	-48.5,	-18.6,
15	11.6,	192.4,	152.3,	-42.4,	-14.6,	16	11.6,	194.6,	137.1,	-35.0,	-10.1,
17	11.6,	190.8,	117.6,	-26.5,	-5.3,	18	11.6,	181.3,	94.6,	-17.2,	-0.3,
19	11.6,	182.1,	101.3,	-22.5,	7.0,	20	11.6,	184.8,	128.6,	-37.4,	14.8,
21	11.6,	181.9,	152.1,	-51.1,	22.1,	22	11.6,	173.4,	170.8,	-63.3,	28.8,
23	11.6,	163.0,	184.4,	-73.6,	32.9,	24	11.6,	152.3,	192.4,	-81.7,	33.7,
25	11.6,	137.1,	194.6,	-87.2,	33.5,	26	11.6,	117.6,	190.8,	-90.1,	32.3,
27	11.6,	94.6,	181.3,	-90.3,	30.0,	28	11.6,	101.3,	182.1,	-98.0,	28.2,
29	11.6,	128.6,	184.8,	-107.1,	27.0,	30	11.6,	152.1,	181.9,	-113.0,	24.9,
31	11.6,	170.8,	173.4,	-115.5,	22.1,	32	11.6,	184.4,	163.0,	-114.4,	18.6,
33	11.6,	192.4,	152.3,	-109.9,	14.6,	34	11.6,	194.6,	137.1,	-102.0,	10.1,
35	11.6,	190.8,	117.6,	-91.1,	5.3,	36	11.6,	181.3,	94.6,	-77.3,	0.3,

SOURCE ID: STCK7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-79.3,	-2.7,	2	11.6,	184.8,	128.6,	-92.4,	-10.6,
3	11.6,	181.9,	152.1,	-102.8,	-18.3,	4	11.6,	173.4,	170.8,	-110.0,	-25.3,
5	11.6,	163.0,	184.4,	-113.9,	-29.9,	6	11.6,	152.3,	192.4,	-114.3,	-31.3,
7	11.6,	137.1,	194.6,	-111.3,	-31.8,	8	11.6,	117.6,	190.8,	-104.8,	-31.2,
9	11.6,	94.6,	181.3,	-95.2,	-29.7,	10	11.6,	101.3,	182.1,	-88.3,	-28.6,
11	11.6,	128.6,	184.8,	-81.8,	-28.1,	12	11.6,	152.1,	181.9,	-72.7,	-26.8,
13	11.6,	170.8,	173.4,	-61.4,	-24.6,	14	11.6,	184.4,	163.0,	-51.5,	-21.7,
15	11.6,	192.4,	152.3,	-44.8,	-18.1,	16	11.6,	194.6,	137.1,	-36.8,	-14.0,
17	11.6,	190.8,	117.6,	-27.6,	-9.4,	18	11.6,	181.3,	94.6,	-17.6,	-4.6,
19	11.6,	182.1,	101.3,	-22.0,	2.7,	20	11.6,	184.8,	128.6,	-36.2,	10.6,
21	11.6,	181.9,	152.1,	-49.3,	18.3,	22	11.6,	173.4,	170.8,	-60.8,	25.3,
23	11.6,	163.0,	184.4,	-70.5,	29.9,	24	11.6,	152.3,	192.4,	-78.1,	31.3,
25	11.6,	137.1,	194.6,	-83.3,	31.8,	26	11.6,	117.6,	190.8,	-86.0,	31.2,
27	11.6,	94.6,	181.3,	-86.0,	29.7,	28	11.6,	101.3,	182.1,	-93.7,	28.6,
29	11.6,	128.6,	184.8,	-103.0,	28.1,	30	11.6,	152.1,	181.9,	-109.2,	26.8,
31	11.6,	170.8,	173.4,	-112.0,	24.6,	32	11.6,	184.4,	163.0,	-111.5,	21.7,
33	11.6,	192.4,	152.3,	-107.5,	18.1,	34	11.6,	194.6,	137.1,	-100.3,	14.0,
35	11.6,	190.8,	117.6,	-90.0,	9.4,	36	11.6,	181.3,	94.6,	-77.0,	4.6,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE   9
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-79.2,	1.0,	2	11.6,	184.8,	128.6,	-93.0,	-7.0,
3	11.6,	181.9,	152.1,	-104.0,	-14.8,	4	11.6,	173.4,	170.8,	-111.8,	-22.1,
5	11.6,	163.0,	184.4,	-116.2,	-27.1,	6	11.6,	152.3,	192.4,	-117.1,	-28.9,
7	11.6,	137.1,	194.6,	-114.4,	-29.9,	8	11.6,	117.6,	190.8,	-108.3,	-29.9,
9	11.6,	94.6,	181.3,	-98.8,	-29.1,	10	11.6,	101.3,	182.1,	-92.0,	-28.6,
11	11.6,	128.6,	184.8,	-85.4,	-28.7,	12	11.6,	152.1,	181.9,	-76.1,	-28.0,
13	11.6,	170.8,	173.4,	-64.6,	-26.4,	14	11.6,	184.4,	163.0,	-54.4,	-24.0,
15	11.6,	192.4,	152.3,	-47.2,	-20.9,	16	11.6,	194.6,	137.1,	-38.6,	-17.1,
17	11.6,	190.8,	117.6,	-28.9,	-12.9,	18	11.6,	181.3,	94.6,	-18.2,	-8.2,
19	11.6,	182.1,	101.3,	-22.1,	-1.0,	20	11.6,	184.8,	128.6,	-35.6,	7.0,
21	11.6,	181.9,	152.1,	-48.0,	14.8,	22	11.6,	173.4,	170.8,	-59.0,	22.1,
23	11.6,	163.0,	184.4,	-68.2,	27.1,	24	11.6,	152.3,	192.4,	-75.3,	28.9,
25	11.6,	137.1,	194.6,	-80.1,	29.9,	26	11.6,	117.6,	190.8,	-82.5,	29.9,
27	11.6,	94.6,	181.3,	-82.4,	29.1,	28	11.6,	101.3,	182.1,	-90.1,	28.6,
29	11.6,	128.6,	184.8,	-99.4,	28.7,	30	11.6,	152.1,	181.9,	-105.7,	28.0,
31	11.6,	170.8,	173.4,	-108.8,	26.4,	32	11.6,	184.4,	163.0,	-108.6,	24.0,
33	11.6,	192.4,	152.3,	-105.1,	20.9,	34	11.6,	194.6,	137.1,	-98.4,	17.1,
35	11.6,	190.8,	117.6,	-88.7,	12.9,	36	11.6,	181.3,	94.6,	-76.3,	8.2,

SOURCE ID: STCK9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-79.7,	4.7,	2	11.6,	184.8,	128.6,	-94.2,	-3.4,
3	11.6,	181.9,	152.1,	-105.8,	-11.4,	4	11.6,	173.4,	170.8,	-114.1,	-19.1,
5	11.6,	163.0,	184.4,	-119.0,	-24.6,	6	11.6,	152.3,	192.4,	-120.3,	-26.9,
7	11.6,	137.1,	194.6,	-117.9,	-28.4,	8	11.6,	117.6,	190.8,	-112.0,	-29.1,
9	11.6,	94.6,	181.3,	-102.6,	-28.9,	10	11.6,	101.3,	182.1,	-95.8,	-29.1,
11	11.6,	128.6,	184.8,	-89.0,	-29.9,	12	11.6,	152.1,	181.9,	-79.5,	-29.7,
13	11.6,	170.8,	173.4,	-67.6,	-28.7,	14	11.6,	184.4,	163.0,	-56.9,	-26.8,
15	11.6,	192.4,	152.3,	-49.2,	-24.1,	16	11.6,	194.6,	137.1,	-40.1,	-20.6,
17	11.6,	190.8,	117.6,	-29.7,	-16.6,	18	11.6,	181.3,	94.6,	-18.4,	-12.0,
19	11.6,	182.1,	101.3,	-21.6,	-4.7,	20	11.6,	184.8,	128.6,	-34.5,	3.4,
21	11.6,	181.9,	152.1,	-46.3,	11.4,	22	11.6,	173.4,	170.8,	-56.7,	19.1,
23	11.6,	163.0,	184.4,	-65.4,	24.6,	24	11.6,	152.3,	192.4,	-72.1,	26.9,
25	11.6,	137.1,	194.6,	-76.7,	28.4,	26	11.6,	117.6,	190.8,	-78.8,	29.1,
27	11.6,	94.6,	181.3,	-78.6,	28.9,	28	11.6,	101.3,	182.1,	-86.3,	29.1,
29	11.6,	128.6,	184.8,	-95.8,	29.9,	30	11.6,	152.1,	181.9,	-102.4,	29.7,
31	11.6,	170.8,	173.4,	-105.8,	28.7,	32	11.6,	184.4,	163.0,	-106.1,	26.8,
33	11.6,	192.4,	152.3,	-103.1,	24.1,	34	11.6,	194.6,	137.1,	-97.0,	20.6,
35	11.6,	190.8,	117.6,	-87.9,	16.6,	36	11.6,	181.3,	94.6,	-76.2,	12.0,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-80.0,	8.3,	2	11.6,	184.8,	128.6,	-95.1,	0.1,
3	11.6,	181.9,	152.1,	-107.3,	-8.2,	4	11.6,	173.4,	170.8,	-116.2,	-16.2,
5	11.6,	163.0,	184.4,	-121.6,	-22.0,	6	11.6,	152.3,	192.4,	-123.3,	-24.8,
7	11.6,	137.1,	194.6,	-121.2,	-26.9,	8	11.6,	117.6,	190.8,	-115.5,	-28.2,
9	11.6,	94.6,	181.3,	-106.2,	-28.6,	10	11.6,	101.3,	182.1,	-99.4,	-29.4,
11	11.6,	128.6,	184.8,	-92.5,	-30.8,	12	11.6,	152.1,	181.9,	-82.8,	-31.3,
13	11.6,	170.8,	173.4,	-70.5,	-30.8,	14	11.6,	184.4,	163.0,	-59.5,	-29.4,
15	11.6,	192.4,	152.3,	-51.3,	-27.1,	16	11.6,	194.6,	137.1,	-41.6,	-23.9,
17	11.6,	190.8,	117.6,	-30.6,	-20.1,	18	11.6,	181.3,	94.6,	-18.7,	-15.6,
19	11.6,	182.1,	101.3,	-21.3,	-8.3,	20	11.6,	184.8,	128.6,	-33.5,	-0.1,
21	11.6,	181.9,	152.1,	-44.8,	8.2,	22	11.6,	173.4,	170.8,	-54.6,	16.2,
23	11.6,	163.0,	184.4,	-62.9,	22.0,	24	11.6,	152.3,	192.4,	-69.2,	24.8,
25	11.6,	137.1,	194.6,	-73.4,	26.9,	26	11.6,	117.6,	190.8,	-75.3,	28.2,
27	11.6,	94.6,	181.3,	-75.0,	28.6,	28	11.6,	101.3,	182.1,	-82.7,	29.4,
29	11.6,	128.6,	184.8,	-92.3,	30.8,	30	11.6,	152.1,	181.9,	-99.1,	31.3,
31	11.6,	170.8,	173.4,	-102.8,	30.8,	32	11.6,	184.4,	163.0,	-103.5,	29.4,
33	11.6,	192.4,	152.3,	-101.0,	27.1,	34	11.6,	194.6,	137.1,	-95.4,	23.9,
35	11.6,	190.8,	117.6,	-87.0,	20.1,	36	11.6,	181.3,	94.6,	-75.9,	15.6,

SOURCE ID: STCK11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-80.2,	12.1,	2	11.6,	184.8,	128.6,	-95.9,	3.8,
3	11.6,	181.9,	152.1,	-108.8,	-4.6,	4	11.6,	173.4,	170.8,	-118.2,	-12.9,
5	11.6,	163.0,	184.4,	-124.2,	-19.2,	6	11.6,	152.3,	192.4,	-126.3,	-22.5,
7	11.6,	137.1,	194.6,	-124.6,	-25.2,	8	11.6,	117.6,	190.8,	-119.1,	-27.0,
9	11.6,	94.6,	181.3,	-110.0,	-28.1,	10	11.6,	101.3,	182.1,	-103.2,	-29.6,
11	11.6,	128.6,	184.8,	-96.2,	-31.6,	12	11.6,	152.1,	181.9,	-86.3,	-32.7,
13	11.6,	170.8,	173.4,	-73.8,	-32.8,	14	11.6,	184.4,	163.0,	-62.3,	-31.9,
15	11.6,	192.4,	152.3,	-53.7,	-30.1,	16	11.6,	194.6,	137.1,	-43.4,	-27.3,
17	11.6,	190.8,	117.6,	-31.8,	-23.7,	18	11.6,	181.3,	94.6,	-19.2,	-19.4,
19	11.6,	182.1,	101.3,	-21.1,	-12.1,	20	11.6,	184.8,	128.6,	-32.7,	-3.8,
21	11.6,	181.9,	152.1,	-43.3,	4.6,	22	11.6,	173.4,	170.8,	-52.6,	12.9,
23	11.6,	163.0,	184.4,	-60.3,	19.2,	24	11.6,	152.3,	192.4,	-66.1,	22.5,
25	11.6,	137.1,	194.6,	-70.0,	25.2,	26	11.6,	117.6,	190.8,	-71.7,	27.0,
27	11.6,	94.6,	181.3,	-71.3,	28.1,	28	11.6,	101.3,	182.1,	-78.9,	29.6,
29	11.6,	128.6,	184.8,	-88.6,	31.6,	30	11.6,	152.1,	181.9,	-95.6,	32.7,
31	11.6,	170.8,	173.4,	-99.6,	32.8,	32	11.6,	184.4,	163.0,	-100.7,	31.9,
33	11.6,	192.4,	152.3,	-98.7,	30.1,	34	11.6,	194.6,	137.1,	-93.7,	27.3,
35	11.6,	190.8,	117.6,	-85.8,	23.7,	36	11.6,	181.3,	94.6,	-75.4,	19.4,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  10
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-81.1,	20.8,	2	11.6,	184.8,	128.6,	-98.3,	12.2,
3	11.6,	181.9,	152.1,	-112.5,	3.2,	4	11.6,	173.4,	170.8,	-123.3,	-5.8,
5	11.6,	163.0,	184.4,	-130.4,	-13.1,	6	11.6,	152.3,	192.4,	-133.5,	-17.6,
7	11.6,	137.1,	194.6,	-132.5,	-21.6,	8	11.6,	117.6,	190.8,	-127.6,	-24.9,
9	11.6,	94.6,	181.3,	-118.7,	-27.4,	10	11.6,	101.3,	182.1,	-111.9,	-30.4,
11	11.6,	128.6,	184.8,	-104.6,	-34.0,	12	11.6,	152.1,	181.9,	-94.1,	-36.5,
13	11.6,	170.8,	173.4,	-80.8,	-37.9,	14	11.6,	184.4,	163.0,	-68.4,	-38.2,
15	11.6,	192.4,	152.3,	-58.6,	-37.3,	16	11.6,	194.6,	137.1,	-47.0,	-35.2,
17	11.6,	190.8,	117.6,	-33.9,	-32.1,	18	11.6,	181.3,	94.6,	-19.9,	-28.1,
19	11.6,	182.1,	101.3,	-20.2,	-20.8,	20	11.6,	184.8,	128.6,	-30.3,	-12.2,
21	11.6,	181.9,	152.1,	-39.5,	-3.2,	22	11.6,	173.4,	170.8,	-47.5,	5.8,
23	11.6,	163.0,	184.4,	-54.0,	13.1,	24	11.6,	152.3,	192.4,	-58.9,	17.6,
25	11.6,	137.1,	194.6,	-62.0,	21.6,	26	11.6,	117.6,	190.8,	-63.3,	24.9,
27	11.6,	94.6,	181.3,	-62.6,	27.4,	28	11.6,	101.3,	182.1,	-70.2,	30.4,
29	11.6,	128.6,	184.8,	-80.2,	34.0,	30	11.6,	152.1,	181.9,	-87.7,	36.5,
31	11.6,	170.8,	173.4,	-92.5,	37.9,	32	11.6,	184.4,	163.0,	-94.6,	38.2,
33	11.6,	192.4,	152.3,	-93.8,	37.3,	34	11.6,	194.6,	137.1,	-90.1,	35.2,
35	11.6,	190.8,	117.6,	-83.7,	32.1,	36	11.6,	181.3,	94.6,	-74.7,	28.1,

SOURCE ID: STCK13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-81.8,	24.6,	2	11.6,	184.8,	128.6,	-99.6,	15.8,
3	11.6,	181.9,	152.1,	-114.4,	6.5,	4	11.6,	173.4,	170.8,	-125.8,	-3.0,
5	11.6,	163.0,	184.4,	-133.3,	-10.7,	6	11.6,	152.3,	192.4,	-136.8,	-15.7,
7	11.6,	137.1,	194.6,	-136.1,	-20.3,	8	11.6,	117.6,	190.8,	-131.3,	-24.2,
9	11.6,	94.6,	181.3,	-122.5,	-27.4,	10	11.6,	101.3,	182.1,	-115.6,	-31.1,
11	11.6,	128.6,	184.8,	-108.1,	-35.3,	12	11.6,	152.1,	181.9,	-97.4,	-38.4,
13	11.6,	170.8,	173.4,	-83.7,	-40.3,	14	11.6,	184.4,	163.0,	-70.8,	-41.1,
15	11.6,	192.4,	152.3,	-60.5,	-40.6,	16	11.6,	194.6,	137.1,	-48.2,	-38.8,
17	11.6,	190.8,	117.6,	-34.6,	-35.9,	18	11.6,	181.3,	94.6,	-19.9,	-31.9,
19	11.6,	182.1,	101.3,	-19.6,	-24.6,	20	11.6,	184.8,	128.6,	-29.0,	-15.8,
21	11.6,	181.9,	152.1,	-37.6,	-6.5,	22	11.6,	173.4,	170.8,	-45.1,	3.0,
23	11.6,	163.0,	184.4,	-51.1,	10.7,	24	11.6,	152.3,	192.4,	-55.7,	15.7,
25	11.6,	137.1,	194.6,	-58.5,	20.3,	26	11.6,	117.6,	190.8,	-59.5,	24.2,
27	11.6,	94.6,	181.3,	-58.8,	27.4,	28	11.6,	101.3,	182.1,	-66.5,	31.1,
29	11.6,	128.6,	184.8,	-76.6,	35.3,	30	11.6,	152.1,	181.9,	-84.4,	38.4,
31	11.6,	170.8,	173.4,	-89.7,	40.3,	32	11.6,	184.4,	163.0,	-92.2,	41.1,
33	11.6,	192.4,	152.3,	-91.9,	40.6,	34	11.6,	194.6,	137.1,	-88.8,	38.8,
35	11.6,	190.8,	117.6,	-83.0,	35.9,	36	11.6,	181.3,	94.6,	-74.7,	31.9,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-82.2,	28.1,	2	11.6,	184.8,	128.6,	-100.7,	19.2,
3	11.6,	181.9,	152.1,	-116.1,	9.7,	4	11.6,	173.4,	170.8,	-128.0,	-0.1,
5	11.6,	163.0,	184.4,	-136.0,	-8.2,	6	11.6,	152.3,	192.4,	-139.8,	-13.8,
7	11.6,	137.1,	194.6,	-139.4,	-18.9,	8	11.6,	117.6,	190.8,	-134.8,	-23.4,
9	11.6,	94.6,	181.3,	-126.1,	-27.2,	10	11.6,	101.3,	182.1,	-119.2,	-31.6,
11	11.6,	128.6,	184.8,	-111.6,	-36.3,	12	11.6,	152.1,	181.9,	-100.6,	-40.1,
13	11.6,	170.8,	173.4,	-86.6,	-42.5,	14	11.6,	184.4,	163.0,	-73.3,	-43.7,
15	11.6,	192.4,	152.3,	-62.4,	-43.6,	16	11.6,	194.6,	137.1,	-49.6,	-42.1,
17	11.6,	190.8,	117.6,	-35.4,	-39.4,	18	11.6,	181.3,	94.6,	-20.0,	-35.5,
19	11.6,	182.1,	101.3,	-19.1,	-28.1,	20	11.6,	184.8,	128.6,	-28.0,	-19.2,
21	11.6,	181.9,	152.1,	-36.0,	-9.7,	22	11.6,	173.4,	170.8,	-42.9,	0.1,
23	11.6,	163.0,	184.4,	-48.5,	8.2,	24	11.6,	152.3,	192.4,	-52.6,	13.8,
25	11.6,	137.1,	194.6,	-55.1,	18.9,	26	11.6,	117.6,	190.8,	-56.0,	23.4,
27	11.6,	94.6,	181.3,	-55.2,	27.3,	28	11.6,	101.3,	182.1,	-62.9,	31.6,
29	11.6,	128.6,	184.8,	-73.2,	36.3,	30	11.6,	152.1,	181.9,	-81.2,	40.1,
31	11.6,	170.8,	173.4,	-86.8,	42.5,	32	11.6,	184.4,	163.0,	-89.7,	43.7,
33	11.6,	192.4,	152.3,	-89.9,	43.6,	34	11.6,	194.6,	137.1,	-87.4,	42.1,
35	11.6,	190.8,	117.6,	-82.2,	39.4,	36	11.6,	181.3,	94.6,	-74.5,	35.5,

SOURCE ID: STCK15

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-82.8,	32.4,	2	11.6,	184.8,	128.6,	-102.0,	23.3,
3	11.6,	181.9,	152.1,	-118.1,	13.5,	4	11.6,	173.4,	170.8,	-130.6,	3.3,
5	11.6,	163.0,	184.4,	-139.1,	-5.3,	6	11.6,	152.3,	192.4,	-143.4,	-11.5,
7	11.6,	137.1,	194.6,	-143.4,	-17.3,	8	11.6,	117.6,	190.8,	-139.0,	-22.5,
9	11.6,	94.6,	181.3,	-130.4,	-27.1,	10	11.6,	101.3,	182.1,	-123.4,	-32.1,
11	11.6,	128.6,	184.8,	-115.7,	-37.7,	12	11.6,	152.1,	181.9,	-104.4,	-42.0,
13	11.6,	170.8,	173.4,	-90.0,	-45.2,	14	11.6,	184.4,	163.0,	-76.1,	-46.9,
15	11.6,	192.4,	152.3,	-64.7,	-47.2,	16	11.6,	194.6,	137.1,	-51.3,	-46.1,
17	11.6,	190.8,	117.6,	-36.3,	-43.6,	18	11.6,	181.3,	94.6,	-20.2,	-39.7,
19	11.6,	182.1,	101.3,	-18.5,	-32.4,	20	11.6,	184.8,	128.6,	-26.7,	-23.3,
21	11.6,	181.9,	152.1,	-34.0,	-13.5,	22	11.6,	173.4,	170.8,	-40.3,	-3.3,
23	11.6,	163.0,	184.4,	-45.3,	5.3,	24	11.6,	152.3,	192.4,	-49.0,	11.5,
25	11.6,	137.1,	194.6,	-51.2,	17.3,	26	11.6,	117.6,	190.8,	-51.8,	22.5,
27	11.6,	94.6,	181.3,	-50.9,	27.1,	28	11.6,	101.3,	182.1,	-58.7,	32.1,
29	11.6,	128.6,	184.8,	-69.1,	37.7,	30	11.6,	152.1,	181.9,	-77.4,	42.0,
31	11.6,	170.8,	173.4,	-83.4,	45.2,	32	11.6,	184.4,	163.0,	-86.8,	46.9,
33	11.6,	192.4,	152.3,	-87.6,	47.2,	34	11.6,	194.6,	137.1,	-85.8,	46.1,
35	11.6,	190.8,	117.6,	-81.3,	43.6,	36	11.6,	181.3,	94.6,	-74.4,	39.7,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  11
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK16

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-83.0,	36.2,	2	11.6,	184.8,	128.6,	-102.8,	27.0,
3	11.6,	181.9,	152.1,	-119.5,	17.0,	4	11.6,	173.4,	170.8,	-132.6,	6.5,
5	11.6,	163.0,	184.4,	-141.7,	-2.5,	6	11.6,	152.3,	192.4,	-146.5,	-9.2,
7	11.6,	137.1,	194.6,	-146.8,	-15.5,	8	11.6,	117.6,	190.8,	-142.6,	-21.4,
9	11.6,	94.6,	181.3,	-134.1,	-26.6,	10	11.6,	101.3,	182.1,	-127.2,	-32.3,
11	11.6,	128.6,	184.8,	-119.4,	-38.5,	12	11.6,	152.1,	181.9,	-107.9,	-43.5,
13	11.6,	170.8,	173.4,	-93.2,	-47.2,	14	11.6,	184.4,	163.0,	-79.0,	-49.5,
15	11.6,	192.4,	152.3,	-67.0,	-50.2,	16	11.6,	194.6,	137.1,	-53.0,	-49.5,
17	11.6,	190.8,	117.6,	-37.4,	-47.2,	18	11.6,	181.3,	94.6,	-20.7,	-43.5,
19	11.6,	182.1,	101.3,	-18.4,	-36.2,	20	11.6,	184.8,	128.6,	-25.8,	-27.0,
21	11.6,	181.9,	152.1,	-32.5,	-17.0,	22	11.6,	173.4,	170.8,	-38.2,	-6.5,
23	11.6,	163.0,	184.4,	-42.7,	2.5,	24	11.6,	152.3,	192.4,	-46.0,	9.2,
25	11.6,	137.1,	194.6,	-47.8,	15.5,	26	11.6,	117.6,	190.8,	-48.2,	21.4,
27	11.6,	94.6,	181.3,	-47.1,	26.6,	28	11.6,	101.3,	182.1,	-54.9,	32.3,
29	11.6,	128.6,	184.8,	-65.4,	38.5,	30	11.6,	152.1,	181.9,	-73.9,	43.5,
31	11.6,	170.8,	173.4,	-80.2,	47.2,	32	11.6,	184.4,	163.0,	-84.0,	49.5,
33	11.6,	192.4,	152.3,	-85.3,	50.2,	34	11.6,	194.6,	137.1,	-84.0,	49.5,
35	11.6,	190.8,	117.6,	-80.2,	47.2,	36	11.6,	181.3,	94.6,	-73.9,	43.5,

SOURCE ID: STCK17

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.6,	182.1,	101.3,	-83.7,	40.2,	2	11.6,	184.8,	128.6,	-104.2,	30.9,
3	11.6,	181.9,	152.1,	-121.6,	20.6,	4	11.6,	173.4,	170.8,	-135.3,	9.6,
5	11.6,	163.0,	184.4,	-144.8,	0.1,	6	11.6,	152.3,	192.4,	-150.0,	-7.1,
7	11.6,	137.1,	194.6,	-150.6,	-14.1,	8	11.6,	117.6,	190.8,	-146.7,	-20.7,
9	11.6,	94.6,	181.3,	-138.2,	-26.6,	10	11.6,	101.3,	182.1,	-131.3,	-33.0,
11	11.6,	128.6,	184.8,	-123.2,	-39.9,	12	11.6,	152.1,	181.9,	-111.5,	-45.6,
13	11.6,	170.8,	173.4,	-96.3,	-49.8,	14	11.6,	184.4,	163.0,	-81.6,	-52.6,
15	11.6,	192.4,	152.3,	-69.0,	-53.8,	16	11.6,	194.6,	137.1,	-54.4,	-53.3,
17	11.6,	190.8,	117.6,	-38.1,	-51.2,	18	11.6,	181.3,	94.6,	-20.7,	-47.6,
19	11.6,	182.1,	101.3,	-17.6,	-40.2,	20	11.6,	184.8,	128.6,	-24.4,	-30.9,
21	11.6,	181.9,	152.1,	-30.5,	-20.6,	22	11.6,	173.4,	170.8,	-35.6,	-9.6,
23	11.6,	163.0,	184.4,	-39.6,	-0.1,	24	11.6,	152.3,	192.4,	-42.4,	7.1,
25	11.6,	137.1,	194.6,	-44.0,	14.1,	26	11.6,	117.6,	190.8,	-44.2,	20.7,
27	11.6,	94.6,	181.3,	-43.0,	26.6,	28	11.6,	101.3,	182.1,	-50.8,	33.0,
29	11.6,	128.6,	184.8,	-61.5,	39.9,	30	11.6,	152.1,	181.9,	-70.4,	45.6,
31	11.6,	170.8,	173.4,	-77.1,	49.8,	32	11.6,	184.4,	163.0,	-81.4,	52.6,
33	11.6,	192.4,	152.3,	-83.3,	53.8,	34	11.6,	194.6,	137.1,	-82.6,	53.3,
35	11.6,	190.8,	117.6,	-79.5,	51.2,	36	11.6,	181.3,	94.6,	-73.9,	47.6,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK18

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-99.3,	-37.3,	2	15.2,	245.2,	151.3,	-111.9,	-46.6,
3	15.2,	237.1,	186.0,	-121.0,	-53.0,	4	15.2,	227.5,	215.0,	-126.5,	-55.0,
5	15.2,	211.0,	237.5,	-128.1,	-55.3,	6	15.2,	188.1,	252.7,	-125.9,	-53.9,
7	15.2,	159.5,	260.3,	-119.8,	-50.9,	8	15.2,	126.0,	259.9,	-110.1,	-46.4,
9	15.2,	92.1,	251.7,	-97.0,	-42.1,	10	15.2,	112.1,	248.8,	-87.1,	-43.2,
11	15.2,	151.3,	245.2,	-76.0,	-36.2,	12	15.2,	186.0,	237.1,	-65.5,	-28.0,
13	15.2,	215.0,	227.5,	-58.7,	-19.0,	14	15.2,	237.5,	211.0,	-50.2,	-9.4,
15	15.2,	252.7,	188.1,	-40.1,	0.5,	16	15.2,	260.3,	159.5,	-28.8,	10.3,
17	15.2,	259.9,	126.0,	-16.6,	19.9,	18	15.2,	251.7,	92.1,	-3.9,	28.8,
19	15.2,	248.8,	112.1,	-12.8,	37.3,	20	15.2,	245.2,	151.3,	-39.5,	46.6,
21	15.2,	237.1,	186.0,	-65.0,	53.0,	22	15.2,	227.5,	215.0,	-88.5,	55.0,
23	15.2,	211.0,	237.5,	-109.3,	55.3,	24	15.2,	188.1,	252.7,	-126.8,	53.9,
25	15.2,	159.5,	260.3,	-140.5,	50.9,	26	15.2,	126.0,	259.9,	-149.9,	46.4,
27	15.2,	92.1,	251.7,	-154.7,	42.1,	28	15.2,	112.1,	248.8,	-161.7,	43.2,
29	15.2,	151.3,	245.2,	-169.2,	36.2,	30	15.2,	186.0,	237.1,	-171.6,	28.0,
31	15.2,	215.0,	227.5,	-168.8,	19.0,	32	15.2,	237.5,	211.0,	-160.8,	9.4,
33	15.2,	252.7,	188.1,	-148.0,	-0.5,	34	15.2,	260.3,	159.5,	-130.7,	-10.3,
35	15.2,	259.9,	126.0,	-109.3,	-19.9,	36	15.2,	251.7,	92.1,	-88.2,	-28.8,

SOURCE ID: STCK19

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-100.6,	-29.9,	2	15.2,	245.2,	151.3,	-114.4,	-39.5,
3	15.2,	237.1,	186.0,	-124.8,	-46.5,	4	15.2,	227.5,	215.0,	-131.4,	-49.2,
5	15.2,	211.0,	237.5,	-133.9,	-50.5,	6	15.2,	188.1,	252.7,	-132.4,	-50.2,
7	15.2,	159.5,	260.3,	-126.9,	-48.3,	8	15.2,	126.0,	259.9,	-117.5,	-45.0,
9	15.2,	92.1,	251.7,	-104.6,	-42.1,	10	15.2,	112.1,	248.8,	-94.5,	-44.6,
11	15.2,	151.3,	245.2,	-83.1,	-38.8,	12	15.2,	186.0,	237.1,	-72.0,	-31.8,
13	15.2,	215.0,	227.5,	-64.5,	-23.9,	14	15.2,	237.5,	211.0,	-55.0,	-15.2,
15	15.2,	252.7,	188.1,	-43.9,	-6.1,	16	15.2,	260.3,	159.5,	-31.4,	3.2,
17	15.2,	259.9,	126.0,	-17.9,	12.5,	18	15.2,	251.7,	92.1,	-3.9,	21.3,
19	15.2,	248.8,	112.1,	-11.5,	29.9,	20	15.2,	245.2,	151.3,	-36.9,	39.5,
21	15.2,	237.1,	186.0,	-61.2,	46.5,	22	15.2,	227.5,	215.0,	-83.6,	49.2,
23	15.2,	211.0,	237.5,	-103.5,	50.5,	24	15.2,	188.1,	252.7,	-120.3,	50.2,
25	15.2,	159.5,	260.3,	-133.4,	48.3,	26	15.2,	126.0,	259.9,	-142.4,	45.0,
27	15.2,	92.1,	251.7,	-147.1,	42.1,	28	15.2,	112.1,	248.8,	-154.3,	44.6,
29	15.2,	151.3,	245.2,	-162.1,	38.8,	30	15.2,	186.0,	237.1,	-165.1,	31.8,
31	15.2,	215.0,	227.5,	-163.0,	23.9,	32	15.2,	237.5,	211.0,	-156.0,	15.2,
33	15.2,	252.7,	188.1,	-144.2,	6.1,	34	15.2,	260.3,	159.5,	-128.1,	-3.2,
35	15.2,	259.9,	126.0,	-108.0,	-12.5,	36	15.2,	251.7,	92.1,	-88.2,	-21.3,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  12
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***


SOURCE ID: STCK20
 IFV    BH      BW      BL     XADJ    YADJ     IFV    BH      BW      BL     XADJ    YADJ
   1   15.2,  248.8,  112.1, -101.4,  -26.2,      2   15.2,  245.2,  151.3, -115.9,  -36.0,
   3   15.2,  237.1,  186.0, -126.8,  -43.3,      4   15.2,  227.5,  215.0, -133.9,  -46.4,
   5   15.2,  211.0,  237.5, -136.9,  -48.2,      6   15.2,  188.1,  252.7, -135.8,  -48.4,
   7   15.2,  159.5,  260.3, -130.5,  -47.2,      8   15.2,  126.0,  259.9, -121.3,  -44.5,
   9   15.2,   92.1,  251.7, -108.3,  -42.3,     10   15.2,  112.1,  248.8,  -98.2,  -45.4,
  11   15.2,  151.3,  245.2,  -86.6,  -40.2,     12   15.2,  186.0,  237.1,  -75.2,  -33.8,
  13   15.2,  215.0,  227.5,  -67.3,  -26.4,     14   15.2,  237.5,  211.0,  -57.3,  -18.2,
  15   15.2,  252.7,  188.1,  -45.6,   -9.4,     16   15.2,  260.3,  159.5,  -32.5,   -0.4,
  17   15.2,  259.9,  126.0,  -18.4,    8.7,     18   15.2,  251.7,   92.1,   -3.8,   17.5,
  19   15.2,  248.8,  112.1,  -10.7,   26.2,     20   15.2,  245.2,  151.3,  -35.5,   36.0,
  21   15.2,  237.1,  186.0,  -59.2,   43.3,     22   15.2,  227.5,  215.0,  -81.1,   46.4,
  23   15.2,  211.0,  237.5, -100.5,   48.2,     24   15.2,  188.1,  252.7, -116.9,   48.4,
  25   15.2,  159.5,  260.3, -129.8,   47.2,     26   15.2,  126.0,  259.9, -138.7,   44.5,
  27   15.2,   92.1,  251.7, -143.4,   42.3,     28   15.2,  112.1,  248.8, -150.6,   45.4,
  29   15.2,  151.3,  245.2, -158.6,   40.2,     30   15.2,  186.0,  237.1, -161.9,   33.8,
  31   15.2,  215.0,  227.5, -160.2,   26.4,     32   15.2,  237.5,  211.0, -153.7,   18.2,
  33   15.2,  252.7,  188.1, -142.5,    9.4,     34   15.2,  260.3,  159.5, -126.9,    0.4,
  35   15.2,  259.9,  126.0, -107.5,   -8.7,     36   15.2,  251.7,   92.1,  -88.3,  -17.5,


SOURCE ID: STCK21
 IFV    BH      BW      BL     XADJ    YADJ     IFV    BH      BW      BL     XADJ    YADJ
   1   15.2,  248.8,  112.1, -101.3,  -22.2,      2   15.2,  245.2,  151.3, -116.5,  -32.1,
   3   15.2,  237.1,  186.0, -128.1,  -39.5,      4   15.2,  227.5,  215.0, -135.8,  -42.9,
   5   15.2,  211.0,  237.5, -139.4,  -45.0,      6   15.2,  188.1,  252.7, -138.8,  -45.7,
   7   15.2,  159.5,  260.3, -133.9,  -45.1,      8   15.2,  126.0,  259.9, -125.0,  -43.0,
   9   15.2,   92.1,  251.7, -112.3,  -41.4,     10   15.2,  112.1,  248.8, -102.2,  -45.2,
  11   15.2,  151.3,  245.2,  -90.5,  -40.8,     12   15.2,  186.0,  237.1,  -79.1,  -35.1,
  13   15.2,  215.0,  227.5,  -70.9,  -28.3,     14   15.2,  237.5,  211.0,  -60.5,  -20.7,
  15   15.2,  252.7,  188.1,  -48.3,  -12.4,     16   15.2,  260.3,  159.5,  -34.6,   -3.8,
  17   15.2,  259.9,  126.0,  -19.9,    5.0,     18   15.2,  251.7,   92.1,   -4.6,   13.6,
  19   15.2,  248.8,  112.1,  -10.8,   22.2,     20   15.2,  245.2,  151.3,  -34.9,   32.1,
  21   15.2,  237.1,  186.0,  -57.9,   39.5,     22   15.2,  227.5,  215.0,  -79.2,   42.9,
  23   15.2,  211.0,  237.5,  -98.0,   45.0,     24   15.2,  188.1,  252.7, -113.9,   45.7,
  25   15.2,  159.5,  260.3, -126.3,   45.1,     26   15.2,  126.0,  259.9, -134.9,   43.0,
  27   15.2,   92.1,  251.7, -139.4,   41.4,     28   15.2,  112.1,  248.8, -146.6,   45.2,
  29   15.2,  151.3,  245.2, -154.7,   40.8,     30   15.2,  186.0,  237.1, -158.1,   35.1,
  31   15.2,  215.0,  227.5, -156.7,   28.3,     32   15.2,  237.5,  211.0, -150.5,   20.7,
  33   15.2,  252.7,  188.1, -139.8,   12.4,     34   15.2,  260.3,  159.5, -124.8,    3.8,
  35   15.2,  259.9,  126.0, -106.0,   -5.0,     36   15.2,  251.7,   92.1,  -87.5,  -13.6,
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Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK22

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-101.7,	-18.1,	2	15.2,	245.2,	151.3,	-117.6,	-28.1,
3	15.2,	237.1,	186.0,	-129.9,	-35.8,	4	15.2,	227.5,	215.0,	-138.2,	-39.5,
5	15.2,	211.0,	237.5,	-142.3,	-42.1,	6	15.2,	188.1,	252.7,	-142.2,	-43.4,
7	15.2,	159.5,	260.3,	-137.7,	-43.4,	8	15.2,	126.0,	259.9,	-129.0,	-42.0,
9	15.2,	92.1,	251.7,	-116.4,	-41.1,	10	15.2,	112.1,	248.8,	-106.3,	-45.6,
11	15.2,	151.3,	245.2,	-94.5,	-41.9,	12	15.2,	186.0,	237.1,	-82.8,	-36.8,
13	15.2,	215.0,	227.5,	-74.2,	-30.7,	14	15.2,	237.5,	211.0,	-63.4,	-23.6,
15	15.2,	252.7,	188.1,	-50.6,	-15.8,	16	15.2,	260.3,	159.5,	-36.4,	-7.5,
17	15.2,	259.9,	126.0,	-21.0,	1.0,	18	15.2,	251.7,	92.1,	-4.9,	9.5,
19	15.2,	248.8,	112.1,	-10.4,	18.1,	20	15.2,	245.2,	151.3,	-33.8,	28.1,
21	15.2,	237.1,	186.0,	-56.1,	35.8,	22	15.2,	227.5,	215.0,	-76.8,	39.5,
23	15.2,	211.0,	237.5,	-95.1,	42.1,	24	15.2,	188.1,	252.7,	-110.5,	43.4,
25	15.2,	159.5,	260.3,	-122.6,	43.4,	26	15.2,	126.0,	259.9,	-130.9,	42.0,
27	15.2,	92.1,	251.7,	-135.3,	41.1,	28	15.2,	112.1,	248.8,	-142.4,	45.6,
29	15.2,	151.3,	245.2,	-150.7,	41.9,	30	15.2,	186.0,	237.1,	-154.3,	36.8,
31	15.2,	215.0,	227.5,	-153.3,	30.7,	32	15.2,	237.5,	211.0,	-147.6,	23.6,
33	15.2,	252.7,	188.1,	-137.4,	15.8,	34	15.2,	260.3,	159.5,	-123.1,	7.5,
35	15.2,	259.9,	126.0,	-105.0,	-1.0,	36	15.2,	251.7,	92.1,	-87.2,	-9.5,

SOURCE ID: STCK23

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-102.2,	-14.3,	2	15.2,	245.2,	151.3,	-118.7,	-24.5,
3	15.2,	237.1,	186.0,	-131.6,	-32.4,	4	15.2,	227.5,	215.0,	-140.5,	-36.5,
5	15.2,	211.0,	237.5,	-145.1,	-39.6,	6	15.2,	188.1,	252.7,	-145.4,	-41.4,
7	15.2,	159.5,	260.3,	-141.2,	-41.9,	8	15.2,	126.0,	259.9,	-132.7,	-41.2,
9	15.2,	92.1,	251.7,	-120.2,	-41.0,	10	15.2,	112.1,	248.8,	-110.1,	-46.1,
11	15.2,	151.3,	245.2,	-98.1,	-43.0,	12	15.2,	186.0,	237.1,	-86.1,	-38.6,
13	15.2,	215.0,	227.5,	-77.2,	-33.0,	14	15.2,	237.5,	211.0,	-66.0,	-26.4,
15	15.2,	252.7,	188.1,	-52.7,	-19.0,	16	15.2,	260.3,	159.5,	-37.8,	-11.0,
17	15.2,	259.9,	126.0,	-21.8,	-2.7,	18	15.2,	251.7,	92.1,	-5.1,	5.7,
19	15.2,	248.8,	112.1,	-9.9,	14.3,	20	15.2,	245.2,	151.3,	-32.6,	24.5,
21	15.2,	237.1,	186.0,	-54.4,	32.4,	22	15.2,	227.5,	215.0,	-74.5,	36.5,
23	15.2,	211.0,	237.5,	-92.3,	39.6,	24	15.2,	188.1,	252.7,	-107.3,	41.4,
25	15.2,	159.5,	260.3,	-119.1,	41.9,	26	15.2,	126.0,	259.9,	-127.2,	41.2,
27	15.2,	92.1,	251.7,	-131.5,	41.0,	28	15.2,	112.1,	248.8,	-138.7,	46.1,
29	15.2,	151.3,	245.2,	-147.1,	43.0,	30	15.2,	186.0,	237.1,	-151.0,	38.6,
31	15.2,	215.0,	227.5,	-150.3,	33.0,	32	15.2,	237.5,	211.0,	-145.1,	26.4,
33	15.2,	252.7,	188.1,	-135.4,	19.0,	34	15.2,	260.3,	159.5,	-121.6,	11.0,
35	15.2,	259.9,	126.0,	-104.2,	2.7,	36	15.2,	251.7,	92.1,	-87.0,	-5.7,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  13
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK24

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-102.4,	-10.5,	2	15.2,	245.2,	151.3,	-119.5,	-20.8,
3	15.2,	237.1,	186.0,	-133.1,	-28.9,	4	15.2,	227.5,	215.0,	-142.6,	-33.3,
5	15.2,	211.0,	237.5,	-147.7,	-36.8,	6	15.2,	188.1,	252.7,	-148.4,	-39.1,
7	15.2,	159.5,	260.3,	-144.5,	-40.2,	8	15.2,	126.0,	259.9,	-136.3,	-40.1,
9	15.2,	92.1,	251.7,	-123.9,	-40.5,	10	15.2,	112.1,	248.8,	-113.9,	-46.3,
11	15.2,	151.3,	245.2,	-101.8,	-43.9,	12	15.2,	186.0,	237.1,	-89.7,	-40.1,
13	15.2,	215.0,	227.5,	-80.4,	-35.1,	14	15.2,	237.5,	211.0,	-68.8,	-29.0,
15	15.2,	252.7,	188.1,	-55.0,	-22.0,	16	15.2,	260.3,	159.5,	-39.6,	-14.4,
17	15.2,	259.9,	126.0,	-22.9,	-6.3,	18	15.2,	251.7,	92.1,	-5.6,	1.9,
19	15.2,	248.8,	112.1,	-9.7,	10.5,	20	15.2,	245.2,	151.3,	-31.8,	20.8,
21	15.2,	237.1,	186.0,	-52.9,	28.9,	22	15.2,	227.5,	215.0,	-72.4,	33.3,
23	15.2,	211.0,	237.5,	-89.7,	36.8,	24	15.2,	188.1,	252.7,	-104.3,	39.1,
25	15.2,	159.5,	260.3,	-115.7,	40.2,	26	15.2,	126.0,	259.9,	-123.6,	40.1,
27	15.2,	92.1,	251.7,	-127.8,	40.5,	28	15.2,	112.1,	248.8,	-134.9,	46.3,
29	15.2,	151.3,	245.2,	-143.4,	43.9,	30	15.2,	186.0,	237.1,	-147.5,	40.1,
31	15.2,	215.0,	227.5,	-147.1,	35.1,	32	15.2,	237.5,	211.0,	-142.3,	29.0,
33	15.2,	252.7,	188.1,	-133.1,	22.0,	34	15.2,	260.3,	159.5,	-119.9,	14.4,
35	15.2,	259.9,	126.0,	-103.0,	6.3,	36	15.2,	251.7,	92.1,	-86.5,	-1.9,

SOURCE ID: STCK25

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-103.2,	-6.5,	2	15.2,	245.2,	151.3,	-121.1,	-17.0,
3	15.2,	237.1,	186.0,	-135.2,	-25.4,	4	15.2,	227.5,	215.0,	-145.3,	-30.3,
5	15.2,	211.0,	237.5,	-151.0,	-34.2,	6	15.2,	188.1,	252.7,	-152.0,	-37.1,
7	15.2,	159.5,	260.3,	-148.5,	-38.9,	8	15.2,	126.0,	259.9,	-140.4,	-39.5,
9	15.2,	92.1,	251.7,	-128.0,	-40.6,	10	15.2,	112.1,	248.8,	-117.9,	-47.2,
11	15.2,	151.3,	245.2,	-105.6,	-45.4,	12	15.2,	186.0,	237.1,	-93.1,	-42.3,
13	15.2,	215.0,	227.5,	-83.5,	-37.8,	14	15.2,	237.5,	211.0,	-71.3,	-32.2,
15	15.2,	252.7,	188.1,	-56.9,	-25.7,	16	15.2,	260.3,	159.5,	-40.8,	-18.3,
17	15.2,	259.9,	126.0,	-23.5,	-10.4,	18	15.2,	251.7,	92.1,	-5.4,	-2.2,
19	15.2,	248.8,	112.1,	-8.9,	6.5,	20	15.2,	245.2,	151.3,	-30.3,	17.0,
21	15.2,	237.1,	186.0,	-50.7,	25.4,	22	15.2,	227.5,	215.0,	-69.7,	30.3,
23	15.2,	211.0,	237.5,	-86.5,	34.2,	24	15.2,	188.1,	252.7,	-100.7,	37.1,
25	15.2,	159.5,	260.3,	-111.8,	38.9,	26	15.2,	126.0,	259.9,	-119.5,	39.5,
27	15.2,	92.1,	251.7,	-123.6,	40.6,	28	15.2,	112.1,	248.8,	-130.9,	47.2,
29	15.2,	151.3,	245.2,	-139.6,	45.4,	30	15.2,	186.0,	237.1,	-144.0,	42.3,
31	15.2,	215.0,	227.5,	-144.1,	37.8,	32	15.2,	237.5,	211.0,	-139.8,	32.2,
33	15.2,	252.7,	188.1,	-131.2,	25.7,	34	15.2,	260.3,	159.5,	-118.6,	18.3,
35	15.2,	259.9,	126.0,	-102.5,	10.4,	36	15.2,	251.7,	92.1,	-86.7,	2.2,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK26

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-103.8,	1.7,	2	15.2,	245.2,	151.3,	-123.1,	-9.0,
3	15.2,	237.1,	186.0,	-138.7,	-17.9,	4	15.2,	227.5,	215.0,	-150.0,	-23.5,
5	15.2,	211.0,	237.5,	-156.7,	-28.3,	6	15.2,	188.1,	252.7,	-158.7,	-32.3,
7	15.2,	159.5,	260.3,	-155.9,	-35.3,	8	15.2,	126.0,	259.9,	-148.3,	-37.3,
9	15.2,	92.1,	251.7,	-136.2,	-39.8,	10	15.2,	112.1,	248.8,	-126.1,	-47.8,
11	15.2,	151.3,	245.2,	-113.6,	-47.4,	12	15.2,	186.0,	237.1,	-100.6,	-45.6,
13	15.2,	215.0,	227.5,	-90.3,	-42.5,	14	15.2,	237.5,	211.0,	-77.2,	-38.0,
15	15.2,	252.7,	188.1,	-61.7,	-32.4,	16	15.2,	260.3,	159.5,	-44.4,	-25.8,
17	15.2,	259.9,	126.0,	-25.7,	-18.4,	18	15.2,	251.7,	92.1,	-6.2,	-10.4,
19	15.2,	248.8,	112.1,	-8.2,	-1.7,	20	15.2,	245.2,	151.3,	-28.2,	9.0,
21	15.2,	237.1,	186.0,	-47.3,	17.9,	22	15.2,	227.5,	215.0,	-65.0,	23.5,
23	15.2,	211.0,	237.5,	-80.7,	28.3,	24	15.2,	188.1,	252.7,	-94.0,	32.3,
25	15.2,	159.5,	260.3,	-104.4,	35.3,	26	15.2,	126.0,	259.9,	-111.6,	37.3,
27	15.2,	92.1,	251.7,	-115.4,	39.8,	28	15.2,	112.1,	248.8,	-122.7,	47.8,
29	15.2,	151.3,	245.2,	-131.6,	47.4,	30	15.2,	186.0,	237.1,	-136.5,	45.6,
31	15.2,	215.0,	227.5,	-137.2,	42.5,	32	15.2,	237.5,	211.0,	-133.9,	38.0,
33	15.2,	252.7,	188.1,	-126.4,	32.4,	34	15.2,	260.3,	159.5,	-115.1,	25.8,
35	15.2,	259.9,	126.0,	-100.3,	18.4,	36	15.2,	251.7,	92.1,	-85.9,	10.4,

SOURCE ID: STCK27

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-104.3,	5.3,	2	15.2,	245.2,	151.3,	-124.2,	-5.5,
3	15.2,	237.1,	186.0,	-140.3,	-14.7,	4	15.2,	227.5,	215.0,	-152.2,	-20.6,
5	15.2,	211.0,	237.5,	-159.4,	-25.9,	6	15.2,	188.1,	252.7,	-161.8,	-30.4,
7	15.2,	159.5,	260.3,	-159.2,	-33.9,	8	15.2,	126.0,	259.9,	-151.9,	-36.5,
9	15.2,	92.1,	251.7,	-139.9,	-39.6,	10	15.2,	112.1,	248.8,	-129.7,	-48.3,
11	15.2,	151.3,	245.2,	-117.1,	-48.5,	12	15.2,	186.0,	237.1,	-103.9,	-47.3,
13	15.2,	215.0,	227.5,	-93.2,	-44.7,	14	15.2,	237.5,	211.0,	-79.6,	-40.7,
15	15.2,	252.7,	188.1,	-63.7,	-35.4,	16	15.2,	260.3,	159.5,	-45.8,	-29.1,
17	15.2,	259.9,	126.0,	-26.5,	-21.9,	18	15.2,	251.7,	92.1,	-6.4,	-14.0,
19	15.2,	248.8,	112.1,	-7.8,	-5.3,	20	15.2,	245.2,	151.3,	-27.2,	5.5,
21	15.2,	237.1,	186.0,	-45.7,	14.7,	22	15.2,	227.5,	215.0,	-62.8,	20.6,
23	15.2,	211.0,	237.5,	-78.1,	25.9,	24	15.2,	188.1,	252.7,	-90.9,	30.4,
25	15.2,	159.5,	260.3,	-101.0,	33.9,	26	15.2,	126.0,	259.9,	-108.1,	36.5,
27	15.2,	92.1,	251.7,	-111.8,	39.6,	28	15.2,	112.1,	248.8,	-119.1,	48.3,
29	15.2,	151.3,	245.2,	-128.1,	48.5,	30	15.2,	186.0,	237.1,	-133.3,	47.3,
31	15.2,	215.0,	227.5,	-134.4,	44.7,	32	15.2,	237.5,	211.0,	-131.4,	40.7,
33	15.2,	252.7,	188.1,	-124.4,	35.4,	34	15.2,	260.3,	159.5,	-113.7,	29.1,
35	15.2,	259.9,	126.0,	-99.5,	21.9,	36	15.2,	251.7,	92.1,	-85.7,	14.0,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  14
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK28

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-105.0,	9.2,	2	15.2,	245.2,	151.3,	-125.5,	-1.8,
3	15.2,	237.1,	186.0,	-142.3,	-11.3,	4	15.2,	227.5,	215.0,	-154.7,	-17.6,
5	15.2,	211.0,	237.5,	-162.4,	-23.4,	6	15.2,	188.1,	252.7,	-165.2,	-28.4,
7	15.2,	159.5,	260.3,	-162.9,	-32.6,	8	15.2,	126.0,	259.9,	-155.7,	-35.8,
9	15.2,	92.1,	251.7,	-143.8,	-39.6,	10	15.2,	112.1,	248.8,	-133.6,	-48.9,
11	15.2,	151.3,	245.2,	-120.8,	-49.9,	12	15.2,	186.0,	237.1,	-107.3,	-49.3,
13	15.2,	215.0,	227.5,	-96.2,	-47.2,	14	15.2,	237.5,	211.0,	-82.2,	-43.7,
15	15.2,	252.7,	188.1,	-65.6,	-38.8,	16	15.2,	260.3,	159.5,	-47.1,	-32.8,
17	15.2,	259.9,	126.0,	-27.2,	-25.8,	18	15.2,	251.7,	92.1,	-6.4,	-18.0,
19	15.2,	248.8,	112.1,	-7.1,	-9.2,	20	15.2,	245.2,	151.3,	-25.8,	1.8,
21	15.2,	237.1,	186.0,	-43.7,	11.3,	22	15.2,	227.5,	215.0,	-60.3,	17.6,
23	15.2,	211.0,	237.5,	-75.0,	23.4,	24	15.2,	188.1,	252.7,	-87.5,	28.4,
25	15.2,	159.5,	260.3,	-97.3,	32.6,	26	15.2,	126.0,	259.9,	-104.2,	35.8,
27	15.2,	92.1,	251.7,	-107.9,	39.6,	28	15.2,	112.1,	248.8,	-115.2,	48.9,
29	15.2,	151.3,	245.2,	-124.4,	49.9,	30	15.2,	186.0,	237.1,	-129.9,	49.3,
31	15.2,	215.0,	227.5,	-131.4,	47.2,	32	15.2,	237.5,	211.0,	-128.9,	43.7,
33	15.2,	252.7,	188.1,	-122.5,	38.8,	34	15.2,	260.3,	159.5,	-112.3,	32.8,
35	15.2,	259.9,	126.0,	-98.8,	25.8,	36	15.2,	251.7,	92.1,	-85.7,	18.0,

SOURCE ID: STCK29

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-104.9,	13.2,	2	15.2,	245.2,	151.3,	-126.1,	2.2,
3	15.2,	237.1,	186.0,	-143.5,	-7.5,	4	15.2,	227.5,	215.0,	-156.6,	-14.0,
5	15.2,	211.0,	237.5,	-164.9,	-20.2,	6	15.2,	188.1,	252.7,	-168.2,	-25.7,
7	15.2,	159.5,	260.3,	-166.4,	-30.5,	8	15.2,	126.0,	259.9,	-159.5,	-34.3,
9	15.2,	92.1,	251.7,	-147.8,	-38.8,	10	15.2,	112.1,	248.8,	-137.6,	-48.8,
11	15.2,	151.3,	245.2,	-124.8,	-50.4,	12	15.2,	186.0,	237.1,	-111.1,	-50.5,
13	15.2,	215.0,	227.5,	-99.7,	-49.1,	14	15.2,	237.5,	211.0,	-85.3,	-46.2,
15	15.2,	252.7,	188.1,	-68.3,	-41.8,	16	15.2,	260.3,	159.5,	-49.2,	-36.2,
17	15.2,	259.9,	126.0,	-28.7,	-29.5,	18	15.2,	251.7,	92.1,	-7.2,	-21.9,
19	15.2,	248.8,	112.1,	-7.2,	-13.2,	20	15.2,	245.2,	151.3,	-25.2,	-2.2,
21	15.2,	237.1,	186.0,	-42.4,	7.5,	22	15.2,	227.5,	215.0,	-58.4,	14.0,
23	15.2,	211.0,	237.5,	-72.6,	20.2,	24	15.2,	188.1,	252.7,	-84.5,	25.7,
25	15.2,	159.5,	260.3,	-93.9,	30.5,	26	15.2,	126.0,	259.9,	-100.5,	34.3,
27	15.2,	92.1,	251.7,	-103.9,	38.8,	28	15.2,	112.1,	248.8,	-111.2,	48.8,
29	15.2,	151.3,	245.2,	-120.4,	50.4,	30	15.2,	186.0,	237.1,	-126.0,	50.5,
31	15.2,	215.0,	227.5,	-127.8,	49.1,	32	15.2,	237.5,	211.0,	-125.7,	46.2,
33	15.2,	252.7,	188.1,	-119.8,	41.8,	34	15.2,	260.3,	159.5,	-110.2,	36.2,
35	15.2,	259.9,	126.0,	-97.3,	29.5,	36	15.2,	251.7,	92.1,	-84.9,	21.9,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK30

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-105.5,	16.8,	2	15.2,	245.2,	151.3,	-127.4,	5.6,
3	15.2,	237.1,	186.0,	-145.3,	-4.3,	4	15.2,	227.5,	215.0,	-158.9,	-11.3,
5	15.2,	211.0,	237.5,	-167.7,	-17.9,	6	15.2,	188.1,	252.7,	-171.3,	-23.9,
7	15.2,	159.5,	260.3,	-169.7,	-29.2,	8	15.2,	126.0,	259.9,	-163.0,	-33.7,
9	15.2,	92.1,	251.7,	-151.4,	-38.8,	10	15.2,	112.1,	248.8,	-141.2,	-49.4,
11	15.2,	151.3,	245.2,	-128.2,	-51.7,	12	15.2,	186.0,	237.1,	-114.2,	-52.3,
13	15.2,	215.0,	227.5,	-102.5,	-51.4,	14	15.2,	237.5,	211.0,	-87.6,	-48.9,
15	15.2,	252.7,	188.1,	-70.1,	-44.9,	16	15.2,	260.3,	159.5,	-50.5,	-39.6,
17	15.2,	259.9,	126.0,	-29.3,	-33.1,	18	15.2,	251.7,	92.1,	-7.2,	-25.5,
19	15.2,	248.8,	112.1,	-6.6,	-16.8,	20	15.2,	245.2,	151.3,	-24.0,	-5.6,
21	15.2,	237.1,	186.0,	-40.6,	4.3,	22	15.2,	227.5,	215.0,	-56.1,	11.3,
23	15.2,	211.0,	237.5,	-69.8,	17.9,	24	15.2,	188.1,	252.7,	-81.4,	23.9,
25	15.2,	159.5,	260.3,	-90.5,	29.2,	26	15.2,	126.0,	259.9,	-96.9,	33.7,
27	15.2,	92.1,	251.7,	-100.3,	38.8,	28	15.2,	112.1,	248.8,	-107.6,	49.4,
29	15.2,	151.3,	245.2,	-117.0,	51.7,	30	15.2,	186.0,	237.1,	-122.9,	52.3,
31	15.2,	215.0,	227.5,	-125.0,	51.4,	32	15.2,	237.5,	211.0,	-123.4,	48.9,
33	15.2,	252.7,	188.1,	-118.0,	44.9,	34	15.2,	260.3,	159.5,	-109.0,	39.6,
35	15.2,	259.9,	126.0,	-96.7,	33.1,	36	15.2,	251.7,	92.1,	-84.9,	25.5,

SOURCE ID: STCK31

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-105.5,	21.3,	2	15.2,	245.2,	151.3,	-128.1,	10.0,
3	15.2,	237.1,	186.0,	-146.9,	-0.1,	4	15.2,	227.5,	215.0,	-161.1,	-7.3,
5	15.2,	211.0,	237.5,	-170.5,	-14.4,	6	15.2,	188.1,	252.7,	-174.7,	-21.0,
7	15.2,	159.5,	260.3,	-173.6,	-27.0,	8	15.2,	126.0,	259.9,	-167.2,	-32.1,
9	15.2,	92.1,	251.7,	-155.8,	-38.0,	10	15.2,	112.1,	248.8,	-145.7,	-49.4,
11	15.2,	151.3,	245.2,	-132.6,	-52.4,	12	15.2,	186.0,	237.1,	-118.5,	-53.8,
13	15.2,	215.0,	227.5,	-106.4,	-53.6,	14	15.2,	237.5,	211.0,	-91.1,	-51.8,
15	15.2,	252.7,	188.1,	-73.1,	-48.4,	16	15.2,	260.3,	159.5,	-52.8,	-43.5,
17	15.2,	259.9,	126.0,	-30.9,	-37.3,	18	15.2,	251.7,	92.1,	-8.1,	-29.9,
19	15.2,	248.8,	112.1,	-6.6,	-21.3,	20	15.2,	245.2,	151.3,	-23.2,	-10.0,
21	15.2,	237.1,	186.0,	-39.1,	0.1,	22	15.2,	227.5,	215.0,	-53.8,	7.3,
23	15.2,	211.0,	237.5,	-66.9,	14.4,	24	15.2,	188.1,	252.7,	-78.0,	21.0,
25	15.2,	159.5,	260.3,	-86.6,	27.0,	26	15.2,	126.0,	259.9,	-92.7,	32.1,
27	15.2,	92.1,	251.7,	-95.9,	38.0,	28	15.2,	112.1,	248.8,	-103.1,	49.4,
29	15.2,	151.3,	245.2,	-112.6,	52.4,	30	15.2,	186.0,	237.1,	-118.7,	53.8,
31	15.2,	215.0,	227.5,	-121.1,	53.6,	32	15.2,	237.5,	211.0,	-119.9,	51.8,
33	15.2,	252.7,	188.1,	-115.0,	48.4,	34	15.2,	260.3,	159.5,	-106.7,	43.5,
35	15.2,	259.9,	126.0,	-95.1,	37.3,	36	15.2,	251.7,	92.1,	-84.0,	29.9,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  15
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK32

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-106.0,	25.2,	2	15.2,	245.2,	151.3,	-129.3,	13.8,
3	15.2,	237.1,	186.0,	-148.7,	3.4,	4	15.2,	227.5,	215.0,	-163.6,	-4.2,
5	15.2,	211.0,	237.5,	-173.4,	-11.7,	6	15.2,	188.1,	252.7,	-178.1,	-18.9,
7	15.2,	159.5,	260.3,	-177.3,	-25.5,	8	15.2,	126.0,	259.9,	-171.1,	-31.3,
9	15.2,	92.1,	251.7,	-159.7,	-37.8,	10	15.2,	112.1,	248.8,	-149.6,	-49.9,
11	15.2,	151.3,	245.2,	-136.4,	-53.6,	12	15.2,	186.0,	237.1,	-122.0,	-55.7,
13	15.2,	215.0,	227.5,	-109.5,	-56.1,	14	15.2,	237.5,	211.0,	-93.8,	-54.7,
15	15.2,	252.7,	188.1,	-75.2,	-51.7,	16	15.2,	260.3,	159.5,	-54.3,	-47.1,
17	15.2,	259.9,	126.0,	-31.7,	-41.1,	18	15.2,	251.7,	92.1,	-8.2,	-33.9,
19	15.2,	248.8,	112.1,	-6.1,	-25.2,	20	15.2,	245.2,	151.3,	-22.0,	-13.8,
21	15.2,	237.1,	186.0,	-37.3,	-3.4,	22	15.2,	227.5,	215.0,	-51.4,	4.2,
23	15.2,	211.0,	237.5,	-64.0,	11.7,	24	15.2,	188.1,	252.7,	-74.6,	18.9,
25	15.2,	159.5,	260.3,	-83.0,	25.5,	26	15.2,	126.0,	259.9,	-88.8,	31.3,
27	15.2,	92.1,	251.7,	-92.0,	37.8,	28	15.2,	112.1,	248.8,	-99.2,	49.9,
29	15.2,	151.3,	245.2,	-108.8,	53.6,	30	15.2,	186.0,	237.1,	-115.2,	55.7,
31	15.2,	215.0,	227.5,	-118.0,	56.1,	32	15.2,	237.5,	211.0,	-117.2,	54.7,
33	15.2,	252.7,	188.1,	-112.9,	51.7,	34	15.2,	260.3,	159.5,	-105.2,	47.1,
35	15.2,	259.9,	126.0,	-94.2,	41.1,	36	15.2,	251.7,	92.1,	-83.9,	33.9,

SOURCE ID: STCK33

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-106.5,	37.3,	2	15.2,	245.2,	151.3,	-131.9,	25.6,
3	15.2,	237.1,	186.0,	-153.2,	14.6,	4	15.2,	227.5,	215.0,	-170.0,	6.0,
5	15.2,	211.0,	237.5,	-181.6,	-2.8,	6	15.2,	188.1,	252.7,	-187.6,	-11.5,
7	15.2,	159.5,	260.3,	-188.0,	-19.8,	8	15.2,	126.0,	259.9,	-182.6,	-27.6,
9	15.2,	92.1,	251.7,	-171.7,	-36.2,	10	15.2,	112.1,	248.8,	-161.7,	-50.4,
11	15.2,	151.3,	245.2,	-148.2,	-56.2,	12	15.2,	186.0,	237.1,	-133.2,	-60.3,
13	15.2,	215.0,	227.5,	-119.8,	-62.5,	14	15.2,	237.5,	211.0,	-102.7,	-62.8,
15	15.2,	252.7,	188.1,	-82.6,	-61.3,	16	15.2,	260.3,	159.5,	-59.9,	-57.8,
17	15.2,	259.9,	126.0,	-35.4,	-52.7,	18	15.2,	251.7,	92.1,	-9.9,	-45.9,
19	15.2,	248.8,	112.1,	-5.6,	-37.3,	20	15.2,	245.2,	151.3,	-19.5,	-25.6,
21	15.2,	237.1,	186.0,	-32.7,	-14.6,	22	15.2,	227.5,	215.0,	-45.0,	-6.0,
23	15.2,	211.0,	237.5,	-55.9,	2.8,	24	15.2,	188.1,	252.7,	-65.1,	11.5,
25	15.2,	159.5,	260.3,	-72.3,	19.8,	26	15.2,	126.0,	259.9,	-77.3,	27.6,
27	15.2,	92.1,	251.7,	-80.0,	36.2,	28	15.2,	112.1,	248.8,	-87.1,	50.4,
29	15.2,	151.3,	245.2,	-97.0,	56.2,	30	15.2,	186.0,	237.1,	-104.0,	60.3,
31	15.2,	215.0,	227.5,	-107.8,	62.5,	32	15.2,	237.5,	211.0,	-108.3,	62.8,
33	15.2,	252.7,	188.1,	-105.5,	61.3,	34	15.2,	260.3,	159.5,	-99.5,	57.8,
35	15.2,	259.9,	126.0,	-90.5,	52.7,	36	15.2,	251.7,	92.1,	-82.2,	45.9,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK34

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-107.0,	40.5,	2	15.2,	245.2,	151.3,	-133.0,	28.7,
3	15.2,	237.1,	186.0,	-154.9,	17.4,	4	15.2,	227.5,	215.0,	-172.1,	8.5,
5	15.2,	211.0,	237.5,	-184.1,	-0.7,	6	15.2,	188.1,	252.7,	-190.5,	-9.8,
7	15.2,	159.5,	260.3,	-191.1,	-18.7,	8	15.2,	126.0,	259.9,	-185.9,	-27.0,
9	15.2,	92.1,	251.7,	-175.0,	-36.2,	10	15.2,	112.1,	248.8,	-164.9,	-51.0,
11	15.2,	151.3,	245.2,	-151.3,	-57.3,	12	15.2,	186.0,	237.1,	-136.0,	-61.9,
13	15.2,	215.0,	227.5,	-122.3,	-64.6,	14	15.2,	237.5,	211.0,	-104.8,	-65.4,
15	15.2,	252.7,	188.1,	-84.2,	-64.1,	16	15.2,	260.3,	159.5,	-61.0,	-60.9,
17	15.2,	259.9,	126.0,	-36.0,	-55.9,	18	15.2,	251.7,	92.1,	-9.9,	-49.2,
19	15.2,	248.8,	112.1,	-5.1,	-40.5,	20	15.2,	245.2,	151.3,	-18.4,	-28.7,
21	15.2,	237.1,	186.0,	-31.1,	-17.4,	22	15.2,	227.5,	215.0,	-42.9,	-8.5,
23	15.2,	211.0,	237.5,	-53.4,	0.7,	24	15.2,	188.1,	252.7,	-62.2,	9.8,
25	15.2,	159.5,	260.3,	-69.2,	18.7,	26	15.2,	126.0,	259.9,	-74.1,	27.0,
27	15.2,	92.1,	251.7,	-76.7,	36.2,	28	15.2,	112.1,	248.8,	-83.9,	51.0,
29	15.2,	151.3,	245.2,	-93.9,	57.3,	30	15.2,	186.0,	237.1,	-101.1,	61.9,
31	15.2,	215.0,	227.5,	-105.2,	64.6,	32	15.2,	237.5,	211.0,	-106.2,	65.4,
33	15.2,	252.7,	188.1,	-103.9,	64.1,	34	15.2,	260.3,	159.5,	-98.4,	60.9,
35	15.2,	259.9,	126.0,	-90.0,	55.9,	36	15.2,	251.7,	92.1,	-82.2,	49.2,

SOURCE ID: STCK35

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-107.6,	44.9,	2	15.2,	245.2,	151.3,	-134.3,	32.9,
3	15.2,	237.1,	186.0,	-157.0,	21.4,	4	15.2,	227.5,	215.0,	-174.8,	12.0,
5	15.2,	211.0,	237.5,	-187.4,	2.3,	6	15.2,	188.1,	252.7,	-194.2,	-7.5,
7	15.2,	159.5,	260.3,	-195.2,	-17.0,	8	15.2,	126.0,	259.9,	-190.2,	-26.1,
9	15.2,	92.1,	251.7,	-179.4,	-36.0,	10	15.2,	112.1,	248.8,	-169.3,	-51.6,
11	15.2,	151.3,	245.2,	-155.5,	-58.7,	12	15.2,	186.0,	237.1,	-139.9,	-64.0,
13	15.2,	215.0,	227.5,	-125.8,	-67.3,	14	15.2,	237.5,	211.0,	-107.8,	-68.6,
15	15.2,	252.7,	188.1,	-86.6,	-67.9,	16	15.2,	260.3,	159.5,	-62.7,	-65.0,
17	15.2,	259.9,	126.0,	-36.9,	-60.2,	18	15.2,	251.7,	92.1,	-10.0,	-53.6,
19	15.2,	248.8,	112.1,	-4.5,	-44.9,	20	15.2,	245.2,	151.3,	-17.0,	-32.9,
21	15.2,	237.1,	186.0,	-29.0,	-21.4,	22	15.2,	227.5,	215.0,	-40.2,	-12.0,
23	15.2,	211.0,	237.5,	-50.1,	-2.3,	24	15.2,	188.1,	252.7,	-58.5,	7.5,
25	15.2,	159.5,	260.3,	-65.1,	17.0,	26	15.2,	126.0,	259.9,	-69.7,	26.1,
27	15.2,	92.1,	251.7,	-72.2,	36.0,	28	15.2,	112.1,	248.8,	-79.5,	51.6,
29	15.2,	151.3,	245.2,	-89.7,	58.7,	30	15.2,	186.0,	237.1,	-97.2,	64.0,
31	15.2,	215.0,	227.5,	-101.7,	67.3,	32	15.2,	237.5,	211.0,	-103.2,	68.6,
33	15.2,	252.7,	188.1,	-101.5,	67.9,	34	15.2,	260.3,	159.5,	-96.8,	65.0,
35	15.2,	259.9,	126.0,	-89.0,	60.2,	36	15.2,	251.7,	92.1,	-82.1,	53.6,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  16
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK36

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-107.9,	48.5,	2	15.2,	245.2,	151.3,	-135.3,	36.4,
3	15.2,	237.1,	186.0,	-158.5,	24.7,	4	15.2,	227.5,	215.0,	-176.9,	15.0,
5	15.2,	211.0,	237.5,	-189.9,	4.9,	6	15.2,	188.1,	252.7,	-197.2,	-5.4,
7	15.2,	159.5,	260.3,	-198.5,	-15.5,	8	15.2,	126.0,	259.9,	-193.7,	-25.1,
9	15.2,	92.1,	251.7,	-183.1,	-35.7,	10	15.2,	112.1,	248.8,	-172.9,	-51.9,
11	15.2,	151.3,	245.2,	-159.0,	-59.6,	12	15.2,	186.0,	237.1,	-143.2,	-65.5,
13	15.2,	215.0,	227.5,	-128.8,	-69.4,	14	15.2,	237.5,	211.0,	-110.4,	-71.2,
15	15.2,	252.7,	188.1,	-88.7,	-70.8,	16	15.2,	260.3,	159.5,	-64.3,	-68.3,
17	15.2,	259.9,	126.0,	-37.9,	-63.7,	18	15.2,	251.7,	92.1,	-10.4,	-57.2,
19	15.2,	248.8,	112.1,	-4.2,	-48.5,	20	15.2,	245.2,	151.3,	-16.1,	-36.4,
21	15.2,	237.1,	186.0,	-27.5,	-24.7,	22	15.2,	227.5,	215.0,	-38.1,	-15.0,
23	15.2,	211.0,	237.5,	-47.5,	-4.9,	24	15.2,	188.1,	252.7,	-55.5,	5.4,
25	15.2,	159.5,	260.3,	-61.8,	15.5,	26	15.2,	126.0,	259.9,	-66.2,	25.1,
27	15.2,	92.1,	251.7,	-68.6,	35.7,	28	15.2,	112.1,	248.8,	-75.9,	51.9,
29	15.2,	151.3,	245.2,	-86.2,	59.6,	30	15.2,	186.0,	237.1,	-93.9,	65.5,
31	15.2,	215.0,	227.5,	-98.8,	69.4,	32	15.2,	237.5,	211.0,	-100.6,	71.2,
33	15.2,	252.7,	188.1,	-99.4,	70.8,	34	15.2,	260.3,	159.5,	-95.2,	68.3,
35	15.2,	259.9,	126.0,	-88.1,	63.7,	36	15.2,	251.7,	92.1,	-81.8,	57.2,

SOURCE ID: STCK37

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-108.7,	52.7,	2	15.2,	245.2,	151.3,	-136.7,	40.4,
3	15.2,	237.1,	186.0,	-160.6,	28.4,	4	15.2,	227.5,	215.0,	-179.6,	18.3,
5	15.2,	211.0,	237.5,	-193.2,	7.6,	6	15.2,	188.1,	252.7,	-200.9,	-3.2,
7	15.2,	159.5,	260.3,	-202.5,	-14.0,	8	15.2,	126.0,	259.9,	-197.9,	-24.4,
9	15.2,	92.1,	251.7,	-187.3,	-35.7,	10	15.2,	112.1,	248.8,	-177.1,	-52.6,
11	15.2,	151.3,	245.2,	-163.0,	-61.0,	12	15.2,	186.0,	237.1,	-146.9,	-67.6,
13	15.2,	215.0,	227.5,	-132.1,	-72.1,	14	15.2,	237.5,	211.0,	-113.1,	-74.5,
15	15.2,	252.7,	188.1,	-90.8,	-74.5,	16	15.2,	260.3,	159.5,	-65.7,	-72.3,
17	15.2,	259.9,	126.0,	-38.6,	-67.9,	18	15.2,	251.7,	92.1,	-10.4,	-61.5,
19	15.2,	248.8,	112.1,	-3.4,	-52.7,	20	15.2,	245.2,	151.3,	-14.6,	-40.4,
21	15.2,	237.1,	186.0,	-25.4,	-28.4,	22	15.2,	227.5,	215.0,	-35.3,	-18.3,
23	15.2,	211.0,	237.5,	-44.2,	-7.6,	24	15.2,	188.1,	252.7,	-51.8,	3.2,
25	15.2,	159.5,	260.3,	-57.8,	14.0,	26	15.2,	126.0,	259.9,	-62.0,	24.4,
27	15.2,	92.1,	251.7,	-64.4,	35.7,	28	15.2,	112.1,	248.8,	-71.6,	52.6,
29	15.2,	151.3,	245.2,	-82.2,	61.0,	30	15.2,	186.0,	237.1,	-90.2,	67.6,
31	15.2,	215.0,	227.5,	-95.5,	72.1,	32	15.2,	237.5,	211.0,	-97.9,	74.5,
33	15.2,	252.7,	188.1,	-97.3,	74.5,	34	15.2,	260.3,	159.5,	-93.7,	72.3,
35	15.2,	259.9,	126.0,	-87.3,	67.9,	36	15.2,	251.7,	92.1,	-81.8,	61.5,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK38

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-108.9,	56.7,	2	15.2,	245.2,	151.3,	-137.6,	44.3,
3	15.2,	237.1,	186.0,	-162.2,	32.0,	4	15.2,	227.5,	215.0,	-181.8,	21.6,
5	15.2,	211.0,	237.5,	-195.9,	10.5,	6	15.2,	188.1,	252.7,	-204.1,	-0.8,
7	15.2,	159.5,	260.3,	-206.0,	-12.2,	8	15.2,	126.0,	259.9,	-201.7,	-23.2,
9	15.2,	92.1,	251.7,	-191.3,	-35.2,	10	15.2,	112.1,	248.8,	-181.1,	-52.8,
11	15.2,	151.3,	245.2,	-166.9,	-61.9,	12	15.2,	186.0,	237.1,	-150.6,	-69.2,
13	15.2,	215.0,	227.5,	-135.4,	-74.3,	14	15.2,	237.5,	211.0,	-116.1,	-77.2,
15	15.2,	252.7,	188.1,	-93.2,	-77.7,	16	15.2,	260.3,	159.5,	-67.5,	-75.9,
17	15.2,	259.9,	126.0,	-39.8,	-71.7,	18	15.2,	251.7,	92.1,	-10.9,	-65.4,
19	15.2,	248.8,	112.1,	-3.2,	-56.7,	20	15.2,	245.2,	151.3,	-13.7,	-44.3,
21	15.2,	237.1,	186.0,	-23.8,	-32.0,	22	15.2,	227.5,	215.0,	-33.2,	-21.6,
23	15.2,	211.0,	237.5,	-41.5,	-10.5,	24	15.2,	188.1,	252.7,	-48.6,	0.8,
25	15.2,	159.5,	260.3,	-54.3,	12.2,	26	15.2,	126.0,	259.9,	-58.2,	23.2,
27	15.2,	92.1,	251.7,	-60.4,	35.2,	28	15.2,	112.1,	248.8,	-67.7,	52.8,
29	15.2,	151.3,	245.2,	-78.3,	61.9,	30	15.2,	186.0,	237.1,	-86.5,	69.2,
31	15.2,	215.0,	227.5,	-92.2,	74.3,	32	15.2,	237.5,	211.0,	-95.0,	77.2,
33	15.2,	252.7,	188.1,	-94.9,	77.7,	34	15.2,	260.3,	159.5,	-91.9,	75.9,
35	15.2,	259.9,	126.0,	-86.2,	71.7,	36	15.2,	251.7,	92.1,	-81.3,	65.4,

SOURCE ID: STCK39

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-109.8,	64.7,	2	15.2,	245.2,	151.3,	-139.9,	52.0,
3	15.2,	237.1,	186.0,	-165.8,	39.2,	4	15.2,	227.5,	215.0,	-186.6,	28.1,
5	15.2,	211.0,	237.5,	-201.8,	16.1,	6	15.2,	188.1,	252.7,	-210.8,	3.6,
7	15.2,	159.5,	260.3,	-213.4,	-9.0,	8	15.2,	126.0,	259.9,	-209.5,	-21.3,
9	15.2,	92.1,	251.7,	-199.3,	-34.7,	10	15.2,	112.1,	248.8,	-189.1,	-53.7,
11	15.2,	151.3,	245.2,	-174.6,	-64.2,	12	15.2,	186.0,	237.1,	-157.8,	-72.8,
13	15.2,	215.0,	227.5,	-141.9,	-79.1,	14	15.2,	237.5,	211.0,	-121.6,	-83.0,
15	15.2,	252.7,	188.1,	-97.7,	-84.4,	16	15.2,	260.3,	159.5,	-70.7,	-83.3,
17	15.2,	259.9,	126.0,	-41.7,	-79.6,	18	15.2,	251.7,	92.1,	-11.3,	-73.5,
19	15.2,	248.8,	112.1,	-2.3,	-64.7,	20	15.2,	245.2,	151.3,	-11.4,	-52.0,
21	15.2,	237.1,	186.0,	-20.2,	-39.2,	22	15.2,	227.5,	215.0,	-28.4,	-28.1,
23	15.2,	211.0,	237.5,	-35.7,	-16.1,	24	15.2,	188.1,	252.7,	-41.9,	-3.6,
25	15.2,	159.5,	260.3,	-46.9,	9.0,	26	15.2,	126.0,	259.9,	-50.4,	21.3,
27	15.2,	92.1,	251.7,	-52.4,	34.7,	28	15.2,	112.1,	248.8,	-59.7,	53.7,
29	15.2,	151.3,	245.2,	-70.6,	64.2,	30	15.2,	186.0,	237.1,	-79.3,	72.8,
31	15.2,	215.0,	227.5,	-85.7,	79.1,	32	15.2,	237.5,	211.0,	-89.4,	83.0,
33	15.2,	252.7,	188.1,	-90.4,	84.4,	34	15.2,	260.3,	159.5,	-88.7,	83.3,
35	15.2,	259.9,	126.0,	-84.3,	79.6,	36	15.2,	251.7,	92.1,	-80.8,	73.5,

Model Input
Unit Emission Rates (1 g/s)

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK40

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-110.1,	68.2,	2	15.2,	245.2,	151.3,	-140.8,	55.4,
3	15.2,	237.1,	186.0,	-167.2,	42.4,	4	15.2,	227.5,	215.0,	-188.6,	30.9,
5	15.2,	211.0,	237.5,	-204.2,	18.6,	6	15.2,	188.1,	252.7,	-213.6,	5.6,
7	15.2,	159.5,	260.3,	-216.5,	-7.5,	8	15.2,	126.0,	259.9,	-212.9,	-20.4,
9	15.2,	92.1,	251.7,	-202.8,	-34.4,	10	15.2,	112.1,	248.8,	-192.6,	-54.0,
11	15.2,	151.3,	245.2,	-178.0,	-65.1,	12	15.2,	186.0,	237.1,	-161.0,	-74.2,
13	15.2,	215.0,	227.5,	-144.7,	-81.1,	14	15.2,	237.5,	211.0,	-124.1,	-85.5,
15	15.2,	252.7,	188.1,	-99.7,	-87.2,	16	15.2,	260.3,	159.5,	-72.2,	-86.4,
17	15.2,	259.9,	126.0,	-42.6,	-82.9,	18	15.2,	251.7,	92.1,	-11.7,	-76.9,
19	15.2,	248.8,	112.1,	-2.0,	-68.2,	20	15.2,	245.2,	151.3,	-10.6,	-55.4,
21	15.2,	237.1,	186.0,	-18.8,	-42.4,	22	15.2,	227.5,	215.0,	-26.4,	-30.9,
23	15.2,	211.0,	237.5,	-33.3,	-18.6,	24	15.2,	188.1,	252.7,	-39.1,	-5.6,
25	15.2,	159.5,	260.3,	-43.7,	7.5,	26	15.2,	126.0,	259.9,	-47.0,	20.4,
27	15.2,	92.1,	251.7,	-48.9,	34.4,	28	15.2,	112.1,	248.8,	-56.2,	54.0,
29	15.2,	151.3,	245.2,	-67.2,	65.1,	30	15.2,	186.0,	237.1,	-76.2,	74.2,
31	15.2,	215.0,	227.5,	-82.8,	81.1,	32	15.2,	237.5,	211.0,	-87.0,	85.5,
33	15.2,	252.7,	188.1,	-88.4,	87.2,	34	15.2,	260.3,	159.5,	-87.2,	86.4,
35	15.2,	259.9,	126.0,	-83.4,	82.9,	36	15.2,	251.7,	92.1,	-80.4,	76.9,

SOURCE ID: STCK41

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-110.5,	72.4,	2	15.2,	245.2,	151.3,	-141.9,	59.5,
3	15.2,	237.1,	186.0,	-169.1,	46.2,	4	15.2,	227.5,	215.0,	-191.1,	34.4,
5	15.2,	211.0,	237.5,	-207.2,	21.6,	6	15.2,	188.1,	252.7,	-217.1,	8.0,
7	15.2,	159.5,	260.3,	-220.4,	-5.7,	8	15.2,	126.0,	259.9,	-217.0,	-19.3,
9	15.2,	92.1,	251.7,	-207.0,	-34.1,	10	15.2,	112.1,	248.8,	-196.8,	-54.4,
11	15.2,	151.3,	245.2,	-182.1,	-66.2,	12	15.2,	186.0,	237.1,	-164.8,	-76.1,
13	15.2,	215.0,	227.5,	-148.2,	-83.6,	14	15.2,	237.5,	211.0,	-127.1,	-88.5,
15	15.2,	252.7,	188.1,	-102.1,	-90.8,	16	15.2,	260.3,	159.5,	-74.0,	-90.3,
17	15.2,	259.9,	126.0,	-43.7,	-87.1,	18	15.2,	251.7,	92.1,	-12.0,	-81.2,
19	15.2,	248.8,	112.1,	-1.6,	-72.4,	20	15.2,	245.2,	151.3,	-9.4,	-59.5,
21	15.2,	237.1,	186.0,	-16.9,	-46.2,	22	15.2,	227.5,	215.0,	-23.9,	-34.4,
23	15.2,	211.0,	237.5,	-30.2,	-21.6,	24	15.2,	188.1,	252.7,	-35.6,	-8.0,
25	15.2,	159.5,	260.3,	-39.8,	5.7,	26	15.2,	126.0,	259.9,	-42.9,	19.3,
27	15.2,	92.1,	251.7,	-44.7,	34.1,	28	15.2,	112.1,	248.8,	-52.0,	54.4,
29	15.2,	151.3,	245.2,	-63.1,	66.2,	30	15.2,	186.0,	237.1,	-72.3,	76.1,
31	15.2,	215.0,	227.5,	-79.3,	83.6,	32	15.2,	237.5,	211.0,	-84.0,	88.5,
33	15.2,	252.7,	188.1,	-86.0,	90.8,	34	15.2,	260.3,	159.5,	-85.5,	90.3,
35	15.2,	259.9,	126.0,	-82.3,	87.1,	36	15.2,	251.7,	92.1,	-80.1,	81.2,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK42

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-110.7,	76.4,	2	15.2,	245.2,	151.3,	-142.8,	63.4,
3	15.2,	237.1,	186.0,	-170.6,	49.9,	4	15.2,	227.5,	215.0,	-193.2,	37.8,
5	15.2,	211.0,	237.5,	-209.9,	24.5,	6	15.2,	188.1,	252.7,	-220.3,	10.4,
7	15.2,	159.5,	260.3,	-224.0,	-3.9,	8	15.2,	126.0,	259.9,	-220.8,	-18.2,
9	15.2,	92.1,	251.7,	-211.0,	-33.6,	10	15.2,	112.1,	248.8,	-200.8,	-54.6,
11	15.2,	151.3,	245.2,	-186.0,	-67.1,	12	15.2,	186.0,	237.1,	-168.5,	-77.6,
13	15.2,	215.0,	227.5,	-151.5,	-85.7,	14	15.2,	237.5,	211.0,	-130.0,	-91.2,
15	15.2,	252.7,	188.1,	-104.5,	-94.0,	16	15.2,	260.3,	159.5,	-75.8,	-93.8,
17	15.2,	259.9,	126.0,	-44.8,	-90.9,	18	15.2,	251.7,	92.1,	-12.5,	-85.1,
19	15.2,	248.8,	112.1,	-1.4,	-76.4,	20	15.2,	245.2,	151.3,	-8.5,	-63.4,
21	15.2,	237.1,	186.0,	-15.4,	-49.9,	22	15.2,	227.5,	215.0,	-21.8,	-37.8,
23	15.2,	211.0,	237.5,	-27.5,	-24.5,	24	15.2,	188.1,	252.7,	-32.4,	-10.4,
25	15.2,	159.5,	260.3,	-36.3,	3.9,	26	15.2,	126.0,	259.9,	-39.1,	18.2,
27	15.2,	92.1,	251.7,	-40.7,	33.6,	28	15.2,	112.1,	248.8,	-48.0,	54.6,
29	15.2,	151.3,	245.2,	-59.2,	67.1,	30	15.2,	186.0,	237.1,	-68.7,	77.6,
31	15.2,	215.0,	227.5,	-76.0,	85.7,	32	15.2,	237.5,	211.0,	-81.0,	91.2,
33	15.2,	252.7,	188.1,	-83.6,	94.0,	34	15.2,	260.3,	159.5,	-83.6,	93.8,
35	15.2,	259.9,	126.0,	-81.1,	90.9,	36	15.2,	251.7,	92.1,	-79.6,	85.1,

SOURCE ID: STCK43

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-111.2,	80.3,	2	15.2,	245.2,	151.3,	-144.0,	67.1,
3	15.2,	237.1,	186.0,	-172.4,	53.4,	4	15.2,	227.5,	215.0,	-195.6,	40.9,
5	15.2,	211.0,	237.5,	-212.9,	27.1,	6	15.2,	188.1,	252.7,	-223.6,	12.6,
7	15.2,	159.5,	260.3,	-227.6,	-2.4,	8	15.2,	126.0,	259.9,	-224.7,	-17.3,
9	15.2,	92.1,	251.7,	-214.9,	-33.4,	10	15.2,	112.1,	248.8,	-204.7,	-55.1,
11	15.2,	151.3,	245.2,	-189.7,	-68.3,	12	15.2,	186.0,	237.1,	-172.0,	-79.4,
13	15.2,	215.0,	227.5,	-154.7,	-88.1,	14	15.2,	237.5,	211.0,	-132.6,	-94.1,
15	15.2,	252.7,	188.1,	-106.6,	-97.3,	16	15.2,	260.3,	159.5,	-77.3,	-97.5,
17	15.2,	259.9,	126.0,	-45.7,	-94.7,	18	15.2,	251.7,	92.1,	-12.7,	-89.1,
19	15.2,	248.8,	112.1,	-0.9,	-80.3,	20	15.2,	245.2,	151.3,	-7.3,	-67.1,
21	15.2,	237.1,	186.0,	-13.6,	-53.4,	22	15.2,	227.5,	215.0,	-19.4,	-40.9,
23	15.2,	211.0,	237.5,	-24.6,	-27.1,	24	15.2,	188.1,	252.7,	-29.1,	-12.6,
25	15.2,	159.5,	260.3,	-32.7,	2.4,	26	15.2,	126.0,	259.9,	-35.2,	17.3,
27	15.2,	92.1,	251.7,	-36.8,	33.4,	28	15.2,	112.1,	248.8,	-44.1,	55.1,
29	15.2,	151.3,	245.2,	-55.5,	68.3,	30	15.2,	186.0,	237.1,	-65.2,	79.4,
31	15.2,	215.0,	227.5,	-72.9,	88.1,	32	15.2,	237.5,	211.0,	-78.4,	94.1,
33	15.2,	252.7,	188.1,	-81.5,	97.3,	34	15.2,	260.3,	159.5,	-82.1,	97.5,
35	15.2,	259.9,	126.0,	-80.3,	94.7,	36	15.2,	251.7,	92.1,	-79.5,	89.1,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  18
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK44

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	15.2,	248.8,	112.1,	-111.6,	84.4,	2	15.2,	245.2,	151.3,	-145.1,	71.1,
3	15.2,	237.1,	186.0,	-174.2,	57.1,	4	15.2,	227.5,	215.0,	-198.0,	44.2,
5	15.2,	211.0,	237.5,	-215.8,	30.0,	6	15.2,	188.1,	252.7,	-227.0,	14.9,
7	15.2,	159.5,	260.3,	-231.4,	-0.7,	8	15.2,	126.0,	259.9,	-228.7,	-16.3,
9	15.2,	92.1,	251.7,	-219.0,	-33.1,	10	15.2,	112.1,	248.8,	-208.8,	-55.5,
11	15.2,	151.3,	245.2,	-193.7,	-69.4,	12	15.2,	186.0,	237.1,	-175.7,	-81.2,
13	15.2,	215.0,	227.5,	-158.0,	-90.5,	14	15.2,	237.5,	211.0,	-135.5,	-97.1,
15	15.2,	252.7,	188.1,	-108.9,	-100.7,	16	15.2,	260.3,	159.5,	-79.0,	-101.2,
17	15.2,	259.9,	126.0,	-46.7,	-98.7,	18	15.2,	251.7,	92.1,	-13.0,	-93.2,
19	15.2,	248.8,	112.1,	-0.5,	-84.4,	20	15.2,	245.2,	151.3,	-6.2,	-71.1,
21	15.2,	237.1,	186.0,	-11.8,	-57.1,	22	15.2,	227.5,	215.0,	-17.0,	-44.2,
23	15.2,	211.0,	237.5,	-21.7,	-30.0,	24	15.2,	188.1,	252.7,	-25.7,	-14.9,
25	15.2,	159.5,	260.3,	-28.9,	0.7,	26	15.2,	126.0,	259.9,	-31.3,	16.3,
27	15.2,	92.1,	251.7,	-32.7,	33.1,	28	15.2,	112.1,	248.8,	-40.0,	55.5,
29	15.2,	151.3,	245.2,	-51.5,	69.4,	30	15.2,	186.0,	237.1,	-61.4,	81.2,
31	15.2,	215.0,	227.5,	-69.5,	90.5,	32	15.2,	237.5,	211.0,	-75.5,	97.1,
33	15.2,	252.7,	188.1,	-79.2,	100.7,	34	15.2,	260.3,	159.5,	-80.4,	101.2,
35	15.2,	259.9,	126.0,	-79.3,	98.7,	36	15.2,	251.7,	92.1,	-79.1,	93.2,

SOURCE ID: STCK45

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-41.1,	-24.1,	2	11.0,	112.9,	149.2,	-42.0,	-18.8,
3	11.0,	130.8,	155.0,	-41.6,	-13.0,	4	11.0,	144.8,	156.2,	-40.0,	-6.7,
5	11.0,	154.3,	152.6,	-37.2,	-0.3,	6	11.0,	159.2,	144.4,	-33.2,	6.2,
7	11.0,	159.2,	131.8,	-28.3,	12.4,	8	15.2,	126.0,	259.9,	-295.0,	68.8,
9	15.2,	92.1,	251.7,	-299.1,	39.2,	10	15.2,	112.1,	248.8,	-300.2,	1.7,
11	15.2,	151.3,	245.2,	-293.7,	-28.9,	12	15.2,	186.0,	237.1,	-281.2,	-58.7,
13	15.2,	215.0,	227.5,	-265.8,	-86.7,	14	15.2,	237.5,	211.0,	-242.4,	-112.0,
15	15.2,	252.7,	188.1,	-211.6,	-133.9,	16	11.0,	131.8,	159.2,	-92.0,	37.6,
17	11.0,	115.2,	154.3,	-95.5,	35.1,	18	11.0,	95.1,	144.8,	-96.1,	31.6,
19	11.0,	91.6,	138.7,	-97.7,	24.1,	20	11.0,	112.9,	149.2,	-107.1,	18.8,
21	11.0,	130.8,	155.0,	-113.4,	13.0,	22	11.0,	144.8,	156.2,	-116.1,	6.7,
23	11.0,	154.3,	152.6,	-115.4,	0.3,	24	11.0,	159.2,	144.4,	-111.1,	-6.2,
25	11.0,	159.2,	131.8,	-103.5,	-12.4,	26	11.0,	154.3,	115.2,	-92.7,	-18.3,
27	11.0,	144.8,	95.1,	-79.1,	-23.7,	28	11.0,	138.7,	91.6,	-69.9,	-28.3,
29	11.0,	149.2,	112.9,	-75.3,	-32.6,	30	11.0,	155.0,	130.8,	-78.4,	-35.9,
31	11.0,	156.2,	144.8,	-79.1,	-38.1,	32	11.0,	152.6,	154.3,	-77.5,	-39.1,
33	15.2,	252.7,	188.1,	23.5,	133.9,	34	11.0,	131.8,	159.2,	-67.1,	-37.6,
35	11.0,	115.2,	154.3,	-58.8,	-35.1,	36	11.0,	95.1,	144.8,	-48.8,	-31.6,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK46

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-44.3,	-24.5,	2	11.0,	112.9,	149.2,	-45.1,	-19.8,
3	11.0,	130.8,	155.0,	-44.6,	-14.5,	4	11.0,	144.8,	156.2,	-42.6,	-8.7,
5	11.0,	154.3,	152.6,	-39.4,	-2.7,	6	11.0,	159.2,	144.4,	-35.0,	3.4,
7	11.0,	159.2,	131.8,	-29.6,	9.4,	8	15.2,	126.0,	259.9,	-295.8,	65.6,
9	15.2,	92.1,	251.7,	-299.3,	35.9,	10	15.2,	112.1,	248.8,	-299.9,	-1.6,
11	15.2,	151.3,	245.2,	-292.7,	-32.1,	12	15.2,	186.0,	237.1,	-279.7,	-61.6,
13	15.2,	215.0,	227.5,	-263.9,	-89.3,	14	15.2,	237.5,	211.0,	-240.0,	-114.2,
15	11.0,	144.4,	159.2,	-83.0,	37.2,	16	11.0,	131.8,	159.2,	-89.0,	36.3,
17	11.0,	115.2,	154.3,	-92.3,	34.4,	18	11.0,	95.1,	144.8,	-92.8,	31.4,
19	11.0,	91.6,	138.7,	-94.4,	24.5,	20	11.0,	112.9,	149.2,	-104.0,	19.8,
21	11.0,	130.8,	155.0,	-110.5,	14.5,	22	11.0,	144.8,	156.2,	-113.5,	8.7,
23	11.0,	154.3,	152.6,	-113.2,	2.7,	24	11.0,	159.2,	144.4,	-109.4,	-3.4,
25	11.0,	159.2,	131.8,	-102.2,	-9.4,	26	11.0,	154.3,	115.2,	-92.0,	-15.1,
27	11.0,	144.8,	95.1,	-79.0,	-20.4,	28	11.0,	138.7,	91.6,	-70.3,	-25.1,
29	11.0,	149.2,	112.9,	-76.3,	-29.4,	30	11.0,	155.0,	130.8,	-79.9,	-32.9,
31	11.0,	156.2,	144.8,	-81.1,	-35.4,	32	15.2,	237.5,	211.0,	28.9,	114.2,
33	11.0,	144.4,	159.2,	-76.2,	-37.2,	34	11.0,	131.8,	159.2,	-70.2,	-36.3,
35	11.0,	115.2,	154.3,	-62.0,	-34.4,	36	11.0,	95.1,	144.8,	-52.0,	-31.4,

SOURCE ID: STCK47

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-48.6,	-24.9,	2	11.0,	112.9,	149.2,	-49.3,	-20.9,
3	11.0,	130.8,	155.0,	-48.4,	-16.3,	4	11.0,	144.8,	156.2,	-46.1,	-11.2,
5	11.0,	154.3,	152.6,	-42.4,	-5.8,	6	11.0,	159.2,	144.4,	-37.4,	-0.1,
7	11.0,	159.2,	131.8,	-31.3,	5.5,	8	15.2,	126.0,	259.9,	-296.8,	61.4,
9	15.2,	92.1,	251.7,	-299.6,	31.6,	10	15.2,	112.1,	248.8,	-299.4,	-5.8,
11	15.2,	151.3,	245.2,	-291.6,	-36.2,	12	15.2,	186.0,	237.1,	-277.9,	-65.5,
13	15.2,	215.0,	227.5,	-261.4,	-92.8,	14	15.2,	237.5,	211.0,	-236.9,	-117.2,
15	11.0,	144.4,	159.2,	-79.5,	34.7,	16	11.0,	131.8,	159.2,	-85.1,	34.6,
17	11.0,	115.2,	154.3,	-88.1,	33.3,	18	11.0,	95.1,	144.8,	-88.5,	31.1,
19	11.0,	91.6,	138.7,	-90.1,	24.9,	20	11.0,	112.9,	149.2,	-99.9,	20.9,
21	11.0,	130.8,	155.0,	-106.6,	16.3,	22	11.0,	144.8,	156.2,	-110.0,	11.2,
23	11.0,	154.3,	152.6,	-110.2,	5.8,	24	11.0,	159.2,	144.4,	-106.9,	0.1,
25	11.0,	159.2,	131.8,	-100.5,	-5.5,	26	11.0,	154.3,	115.2,	-90.9,	-11.0,
27	11.0,	144.8,	95.1,	-78.6,	-16.1,	28	11.0,	138.7,	91.6,	-70.7,	-20.8,
29	11.0,	149.2,	112.9,	-77.4,	-25.3,	30	11.0,	155.0,	130.8,	-81.8,	-29.1,
31	11.0,	156.2,	144.8,	-83.6,	-32.0,	32	15.2,	237.5,	211.0,	25.9,	117.2,
33	11.0,	144.4,	159.2,	-79.7,	-34.7,	34	11.0,	131.8,	159.2,	-74.1,	-34.6,
35	11.0,	115.2,	154.3,	-66.2,	-33.3,	36	11.0,	95.1,	144.8,	-56.3,	-31.1,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  19
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK48

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-51.9,	-24.9,	2	11.0,	112.9,	149.2,	-52.6,	-21.5,
3	11.0,	130.8,	155.0,	-51.6,	-17.4,	4	11.0,	144.8,	156.2,	-49.1,	-12.8,
5	11.0,	154.3,	152.6,	-45.0,	-7.8,	6	11.0,	159.2,	144.4,	-39.6,	-2.6,
7	15.2,	159.5,	260.3,	-286.7,	84.8,	8	15.2,	126.0,	259.9,	-298.0,	58.3,
9	15.2,	92.1,	251.7,	-300.3,	28.3,	10	15.2,	112.1,	248.8,	-299.5,	-9.2,
11	15.2,	151.3,	245.2,	-291.1,	-39.5,	12	15.2,	186.0,	237.1,	-276.8,	-68.6,
13	15.2,	215.0,	227.5,	-259.8,	-95.7,	14	15.2,	237.5,	211.0,	-234.8,	-119.8,
15	11.0,	144.4,	159.2,	-76.9,	32.5,	16	11.0,	131.8,	159.2,	-82.2,	32.8,
17	11.0,	115.2,	154.3,	-85.0,	32.1,	18	11.0,	95.1,	144.8,	-85.2,	30.4,
19	11.0,	91.6,	138.7,	-86.8,	24.9,	20	11.0,	112.9,	149.2,	-96.6,	21.5,
21	11.0,	130.8,	155.0,	-103.4,	17.4,	22	11.0,	144.8,	156.2,	-107.1,	12.8,
23	11.0,	154.3,	152.6,	-107.6,	7.8,	24	11.0,	159.2,	144.4,	-104.7,	2.6,
25	15.2,	159.5,	260.3,	26.5,	-84.8,	26	11.0,	154.3,	115.2,	-89.7,	-7.8,
27	11.0,	144.8,	95.1,	-78.0,	-12.8,	28	11.0,	138.7,	91.6,	-70.7,	-17.4,
29	11.0,	149.2,	112.9,	-77.9,	-22.0,	30	11.0,	155.0,	130.8,	-82.8,	-25.9,
31	11.0,	156.2,	144.8,	-85.2,	-29.0,	32	15.2,	237.5,	211.0,	23.8,	119.8,
33	11.0,	144.4,	159.2,	-82.2,	-32.5,	34	11.0,	131.8,	159.2,	-76.9,	-32.8,
35	11.0,	115.2,	154.3,	-69.3,	-32.1,	36	11.0,	95.1,	144.8,	-59.6,	-30.4,

SOURCE ID: STCK49

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-56.0,	-25.2,	2	11.0,	112.9,	149.2,	-56.5,	-22.6,
3	11.0,	130.8,	155.0,	-55.3,	-19.2,	4	11.0,	144.8,	156.2,	-52.4,	-15.2,
5	11.0,	154.3,	152.6,	-47.9,	-10.8,	6	11.0,	159.2,	144.4,	-42.0,	-6.0,
7	15.2,	159.5,	260.3,	-288.4,	81.1,	8	15.2,	126.0,	259.9,	-299.1,	54.3,
9	15.2,	92.1,	251.7,	-300.6,	24.2,	10	15.2,	112.1,	248.8,	-299.1,	-13.3,
11	15.2,	151.3,	245.2,	-290.0,	-43.5,	12	15.2,	186.0,	237.1,	-275.0,	-72.4,
13	15.2,	215.0,	227.5,	-257.4,	-99.1,	14	15.2,	237.5,	211.0,	-231.9,	-122.7,
15	11.0,	144.4,	159.2,	-73.5,	30.2,	16	11.0,	131.8,	159.2,	-78.5,	31.1,
17	11.0,	115.2,	154.3,	-81.0,	31.1,	18	11.0,	95.1,	144.8,	-81.1,	30.1,
19	11.0,	91.6,	138.7,	-82.7,	25.2,	20	11.0,	112.9,	149.2,	-92.6,	22.6,
21	11.0,	130.8,	155.0,	-99.7,	19.2,	22	11.0,	144.8,	156.2,	-103.8,	15.2,
23	11.0,	154.3,	152.6,	-104.7,	10.8,	24	11.0,	159.2,	144.4,	-102.4,	6.0,
25	15.2,	159.5,	260.3,	28.2,	-81.1,	26	11.0,	154.3,	115.2,	-88.7,	-3.9,
27	11.0,	144.8,	95.1,	-77.6,	-8.7,	28	11.0,	138.7,	91.6,	-71.0,	-13.3,
29	11.0,	149.2,	112.9,	-79.0,	-18.0,	30	11.0,	155.0,	130.8,	-84.6,	-22.2,
31	15.2,	215.0,	227.5,	29.8,	99.1,	32	15.2,	237.5,	211.0,	20.9,	122.7,
33	11.0,	144.4,	159.2,	-85.6,	-30.2,	34	11.0,	131.8,	159.2,	-80.7,	-31.1,
35	11.0,	115.2,	154.3,	-73.3,	-31.1,	36	11.0,	95.1,	144.8,	-63.7,	-30.1,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK50

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-64.9,	-25.1,	2	11.0,	112.9,	149.2,	-65.3,	-24.0,
3	11.0,	130.8,	155.0,	-63.7,	-22.1,	4	11.0,	144.8,	156.2,	-60.1,	-19.6,
5	11.0,	154.3,	152.6,	-54.8,	-16.4,	6	15.2,	188.1,	252.7,	-274.8,	98.6,
7	15.2,	159.5,	260.3,	-292.9,	73.4,	8	15.2,	126.0,	259.9,	-302.2,	46.0,
9	15.2,	92.1,	251.7,	-302.3,	15.5,	10	15.2,	112.1,	248.8,	-299.2,	-22.1,
11	15.2,	151.3,	245.2,	-288.6,	-52.2,	12	15.2,	186.0,	237.1,	-272.1,	-80.7,
13	15.2,	215.0,	227.5,	-253.0,	-106.8,	14	11.0,	152.6,	154.3,	-60.8,	21.5,
15	11.0,	144.4,	159.2,	-66.8,	24.4,	16	11.0,	131.8,	159.2,	-70.9,	26.6,
17	11.0,	115.2,	154.3,	-72.8,	28.0,	18	11.0,	95.1,	144.8,	-72.4,	28.5,
19	11.0,	91.6,	138.7,	-73.8,	25.1,	20	11.0,	112.9,	149.2,	-83.9,	24.0,
21	11.0,	130.8,	155.0,	-91.3,	22.1,	22	11.0,	144.8,	156.2,	-96.0,	19.6,
23	11.0,	154.3,	152.6,	-97.8,	16.4,	24	15.2,	188.1,	252.7,	22.1,	-98.6,
25	11.0,	159.2,	131.8,	-92.5,	8.7,	26	11.0,	154.3,	115.2,	-85.5,	4.4,
27	11.0,	144.8,	95.1,	-76.0,	-0.0,	28	11.0,	138.7,	91.6,	-70.9,	-4.5,
29	11.0,	149.2,	112.9,	-80.5,	-9.3,	30	11.0,	155.0,	130.8,	-87.5,	-13.8,
31	15.2,	215.0,	227.5,	25.5,	106.8,	32	11.0,	152.6,	154.3,	-93.5,	-21.5,
33	11.0,	144.4,	159.2,	-92.3,	-24.4,	34	11.0,	131.8,	159.2,	-88.3,	-26.6,
35	11.0,	115.2,	154.3,	-81.6,	-28.0,	36	11.0,	95.1,	144.8,	-72.4,	-28.5,

SOURCE ID: STCK51

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-67.7,	-25.5,	2	11.0,	112.9,	149.2,	-68.0,	-24.8,
3	11.0,	130.8,	155.0,	-66.2,	-23.4,	4	11.0,	144.8,	156.2,	-62.4,	-21.2,
5	11.0,	154.3,	152.6,	-56.7,	-18.4,	6	15.2,	188.1,	252.7,	-276.4,	96.3,
7	15.2,	159.5,	260.3,	-294.1,	70.9,	8	15.2,	126.0,	259.9,	-302.9,	43.3,
9	15.2,	92.1,	251.7,	-302.4,	12.7,	10	15.2,	112.1,	248.8,	-298.9,	-24.9,
11	15.2,	151.3,	245.2,	-287.8,	-54.9,	12	15.2,	186.0,	237.1,	-270.8,	-83.2,
13	15.2,	215.0,	227.5,	-251.4,	-109.0,	14	11.0,	152.6,	154.3,	-58.7,	19.6,
15	11.0,	144.4,	159.2,	-64.5,	22.9,	16	11.0,	131.8,	159.2,	-68.3,	25.5,
17	11.0,	115.2,	154.3,	-70.0,	27.3,	18	11.0,	95.1,	144.8,	-69.6,	28.3,
19	11.0,	91.6,	138.7,	-71.1,	25.5,	20	11.0,	112.9,	149.2,	-81.2,	24.8,
21	11.0,	130.8,	155.0,	-88.8,	23.4,	22	11.0,	144.8,	156.2,	-93.8,	21.2,
23	11.0,	154.3,	152.6,	-95.9,	18.4,	24	15.2,	188.1,	252.7,	23.7,	-96.3,
25	11.0,	159.2,	131.8,	-91.4,	11.3,	26	11.0,	154.3,	115.2,	-84.9,	7.1,
27	11.0,	144.8,	95.1,	-75.8,	2.8,	28	11.0,	138.7,	91.6,	-71.3,	-1.7,
29	11.0,	149.2,	112.9,	-81.2,	-6.6,	30	11.0,	155.0,	130.8,	-88.8,	-11.3,
31	15.2,	215.0,	227.5,	23.8,	109.0,	32	11.0,	152.6,	154.3,	-95.6,	-19.6,
33	11.0,	144.4,	159.2,	-94.7,	-22.9,	34	11.0,	131.8,	159.2,	-90.9,	-25.5,
35	11.0,	115.2,	154.3,	-84.3,	-27.3,	36	11.0,	95.1,	144.8,	-75.2,	-28.3,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  20
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK52

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-71.5,	-26.3,	2	11.0,	112.9,	149.2,	-71.6,	-26.3,
3	11.0,	130.8,	155.0,	-69.5,	-25.5,	4	11.0,	144.8,	156.2,	-65.3,	-23.9,
5	11.0,	154.3,	152.6,	-59.1,	-21.6,	6	15.2,	188.1,	252.7,	-278.2,	92.8,
7	15.2,	159.5,	260.3,	-295.3,	67.1,	8	15.2,	126.0,	259.9,	-303.4,	39.4,
9	15.2,	92.1,	251.7,	-302.3,	8.8,	10	15.2,	112.1,	248.8,	-298.1,	-28.8,
11	15.2,	151.3,	245.2,	-286.2,	-58.5,	12	15.2,	186.0,	237.1,	-268.7,	-86.6,
13	15.2,	215.0,	227.5,	-248.7,	-111.9,	14	11.0,	152.6,	154.3,	-55.6,	17.2,
15	11.0,	144.4,	159.2,	-61.0,	21.1,	16	11.0,	131.8,	159.2,	-64.5,	24.3,
17	11.0,	115.2,	154.3,	-66.1,	26.8,	18	11.0,	95.1,	144.8,	-65.7,	28.5,
19	11.0,	91.6,	138.7,	-67.2,	26.3,	20	11.0,	112.9,	149.2,	-77.5,	26.3,
21	11.0,	130.8,	155.0,	-85.5,	25.5,	22	11.0,	144.8,	156.2,	-90.9,	23.9,
23	11.0,	154.3,	152.6,	-93.5,	21.6,	24	15.2,	188.1,	252.7,	25.5,	-92.8,
25	11.0,	159.2,	131.8,	-90.2,	15.0,	26	11.0,	154.3,	115.2,	-84.4,	11.1,
27	11.0,	144.8,	95.1,	-76.0,	6.7,	28	11.0,	138.7,	91.6,	-72.1,	2.1,
29	11.0,	149.2,	112.9,	-82.8,	-3.0,	30	11.0,	155.0,	130.8,	-90.9,	-8.0,
31	15.2,	215.0,	227.5,	21.2,	111.9,	32	11.0,	152.6,	154.3,	-98.7,	-17.2,
33	11.0,	144.4,	159.2,	-98.1,	-21.1,	34	11.0,	131.8,	159.2,	-94.6,	-24.3,
35	11.0,	115.2,	154.3,	-88.2,	-26.8,	36	11.0,	95.1,	144.8,	-79.1,	-28.5,

SOURCE ID: STCK53

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-75.5,	-26.3,	2	11.0,	112.9,	149.2,	-75.5,	-27.0,
3	11.0,	130.8,	155.0,	-73.2,	-26.9,	4	11.0,	144.8,	156.2,	-68.7,	-25.9,
5	15.2,	211.0,	237.5,	-255.7,	113.0,	6	15.2,	188.1,	252.7,	-280.7,	89.7,
7	15.2,	159.5,	260.3,	-297.2,	63.6,	8	15.2,	126.0,	259.9,	-304.7,	35.7,
9	15.2,	92.1,	251.7,	-302.9,	4.9,	10	15.2,	112.1,	248.8,	-298.0,	-32.8,
11	15.2,	151.3,	245.2,	-285.5,	-62.5,	12	15.2,	186.0,	237.1,	-267.3,	-90.3,
13	11.0,	156.2,	144.8,	-46.5,	9.4,	14	11.0,	152.6,	154.3,	-53.0,	14.2,
15	11.0,	144.4,	159.2,	-57.9,	18.5,	16	11.0,	131.8,	159.2,	-61.1,	22.3,
17	11.0,	115.2,	154.3,	-62.3,	25.5,	18	11.0,	95.1,	144.8,	-61.8,	27.8,
19	11.0,	91.6,	138.7,	-63.2,	26.3,	20	11.0,	112.9,	149.2,	-73.6,	27.0,
21	11.0,	130.8,	155.0,	-81.8,	26.9,	22	11.0,	144.8,	156.2,	-87.4,	25.9,
23	15.2,	211.0,	237.5,	18.2,	-113.0,	24	15.2,	188.1,	252.7,	28.0,	-89.7,
25	11.0,	159.2,	131.8,	-88.2,	18.5,	26	11.0,	154.3,	115.2,	-83.0,	14.8,
27	11.0,	144.8,	95.1,	-75.3,	10.7,	28	11.0,	138.7,	91.6,	-72.1,	6.1,
29	11.0,	149.2,	112.9,	-83.5,	1.0,	30	15.2,	186.0,	237.1,	30.2,	90.3,
31	11.0,	156.2,	144.8,	-98.3,	-9.4,	32	11.0,	152.6,	154.3,	-101.3,	-14.2,
33	11.0,	144.4,	159.2,	-101.2,	-18.5,	34	11.0,	131.8,	159.2,	-98.1,	-22.3,
35	11.0,	115.2,	154.3,	-92.0,	-25.5,	36	11.0,	95.1,	144.8,	-83.1,	-27.8,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK54

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-80.3,	-26.7,	2	11.0,	112.9,	149.2,	-80.2,	-28.2,
3	11.0,	130.8,	155.0,	-77.6,	-28.8,	4	11.0,	144.8,	156.2,	-72.7,	-28.6,
5	15.2,	211.0,	237.5,	-259.1,	109.7,	6	15.2,	188.1,	252.7,	-283.5,	85.8,
7	15.2,	159.5,	260.3,	-299.3,	59.3,	8	15.2,	126.0,	259.9,	-306.0,	31.0,
9	15.2,	92.1,	251.7,	-303.4,	0.1,	10	15.2,	112.1,	248.8,	-297.7,	-37.5,
11	15.2,	151.3,	245.2,	-284.4,	-67.1,	12	15.2,	186.0,	237.1,	-265.4,	-94.7,
13	11.0,	156.2,	144.8,	-43.8,	5.4,	14	11.0,	152.6,	154.3,	-49.7,	10.7,
15	11.0,	144.4,	159.2,	-54.0,	15.7,	16	11.0,	131.8,	159.2,	-56.7,	20.2,
17	11.0,	115.2,	154.3,	-57.7,	24.2,	18	11.0,	95.1,	144.8,	-57.0,	27.3,
19	11.0,	91.6,	138.7,	-58.4,	26.7,	20	11.0,	112.9,	149.2,	-69.0,	28.2,
21	11.0,	130.8,	155.0,	-77.4,	28.8,	22	11.0,	144.8,	156.2,	-83.5,	28.6,
23	15.2,	211.0,	237.5,	21.7,	-109.7,	24	11.0,	159.2,	144.4,	-87.9,	25.6,
25	11.0,	159.2,	131.8,	-86.1,	22.8,	26	11.0,	154.3,	115.2,	-81.7,	19.4,
27	11.0,	144.8,	95.1,	-74.9,	15.4,	28	11.0,	138.7,	91.6,	-72.5,	10.9,
29	11.0,	149.2,	112.9,	-84.6,	5.6,	30	15.2,	186.0,	237.1,	28.2,	94.7,
31	11.0,	156.2,	144.8,	-101.0,	-5.4,	32	11.0,	152.6,	154.3,	-104.6,	-10.7,
33	11.0,	144.4,	159.2,	-105.1,	-15.7,	34	11.0,	131.8,	159.2,	-102.4,	-20.2,
35	11.0,	115.2,	154.3,	-96.6,	-24.2,	36	11.0,	95.1,	144.8,	-87.8,	-27.3,

SOURCE ID: STCK55

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-84.7,	-27.0,	2	11.0,	112.9,	149.2,	-84.5,	-29.2,
3	11.0,	130.8,	155.0,	-81.7,	-30.6,	4	11.0,	144.8,	156.2,	-76.4,	-31.1,
5	15.2,	211.0,	237.5,	-262.4,	106.6,	6	15.2,	188.1,	252.7,	-286.2,	82.2,
7	15.2,	159.5,	260.3,	-301.3,	55.3,	8	15.2,	126.0,	259.9,	-307.3,	26.8,
9	15.2,	92.1,	251.7,	-303.9,	-4.3,	10	15.2,	112.1,	248.8,	-297.4,	-42.0,
11	15.2,	151.3,	245.2,	-283.3,	-71.5,	12	15.2,	186.0,	237.1,	-263.6,	-98.8,
13	11.0,	156.2,	144.8,	-41.3,	1.7,	14	11.0,	152.6,	154.3,	-46.6,	7.5,
15	11.0,	144.4,	159.2,	-50.4,	13.1,	16	11.0,	131.8,	159.2,	-52.8,	18.3,
17	11.0,	115.2,	154.3,	-53.5,	22.9,	18	11.0,	95.1,	144.8,	-52.5,	26.8,
19	11.0,	91.6,	138.7,	-54.0,	27.0,	20	11.0,	112.9,	149.2,	-64.6,	29.2,
21	11.0,	130.8,	155.0,	-73.3,	30.6,	22	11.0,	144.8,	156.2,	-79.8,	31.1,
23	15.2,	211.0,	237.5,	24.9,	-106.6,	24	11.0,	159.2,	144.4,	-85.3,	29.1,
25	11.0,	159.2,	131.8,	-84.1,	26.8,	26	11.0,	154.3,	115.2,	-80.5,	23.7,
27	11.0,	144.8,	95.1,	-74.4,	19.9,	28	11.0,	138.7,	91.6,	-72.8,	15.4,
29	11.0,	149.2,	112.9,	-85.7,	9.9,	30	15.2,	186.0,	237.1,	26.4,	98.8,
31	11.0,	156.2,	144.8,	-103.4,	-1.7,	32	11.0,	152.6,	154.3,	-107.7,	-7.5,
33	11.0,	144.4,	159.2,	-108.7,	-13.1,	34	11.0,	131.8,	159.2,	-106.4,	-18.3,
35	11.0,	115.2,	154.3,	-100.9,	-22.9,	36	11.0,	95.1,	144.8,	-92.3,	-26.8,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  21
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK56

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-88.7,	-27.2,	2	11.0,	112.9,	149.2,	-88.4,	-30.1,
3	11.0,	130.8,	155.0,	-85.4,	-32.1,	4	11.0,	144.8,	156.2,	-79.8,	-33.2,
5	15.2,	211.0,	237.5,	-265.3,	103.9,	6	15.2,	188.1,	252.7,	-288.6,	79.0,
7	15.2,	159.5,	260.3,	-303.1,	51.8,	8	15.2,	126.0,	259.9,	-308.4,	23.0,
9	15.2,	92.1,	251.7,	-304.4,	-8.3,	10	15.2,	112.1,	248.8,	-297.2,	-45.9,
11	15.2,	151.3,	245.2,	-282.4,	-75.3,	12	11.0,	155.0,	130.8,	-33.3,	-7.9,
13	11.0,	156.2,	144.8,	-39.2,	-1.7,	14	11.0,	152.6,	154.3,	-43.9,	4.6,
15	11.0,	144.4,	159.2,	-47.3,	10.7,	16	11.0,	131.8,	159.2,	-49.2,	16.4,
17	11.0,	115.2,	154.3,	-49.7,	21.7,	18	11.0,	95.1,	144.8,	-48.6,	26.3,
19	11.0,	91.6,	138.7,	-50.0,	27.2,	20	11.0,	112.9,	149.2,	-60.8,	30.1,
21	11.0,	130.8,	155.0,	-69.6,	32.1,	22	11.0,	144.8,	156.2,	-76.4,	33.2,
23	15.2,	211.0,	237.5,	27.8,	-103.9,	24	11.0,	159.2,	144.4,	-82.9,	32.3,
25	11.0,	159.2,	131.8,	-82.3,	30.4,	26	11.0,	154.3,	115.2,	-79.3,	27.5,
27	11.0,	144.8,	95.1,	-73.9,	23.8,	28	11.0,	138.7,	91.6,	-73.0,	19.3,
29	11.0,	149.2,	112.9,	-86.6,	13.8,	30	11.0,	155.0,	130.8,	-97.6,	7.9,
31	11.0,	156.2,	144.8,	-105.6,	1.7,	32	11.0,	152.6,	154.3,	-110.4,	-4.6,
33	11.0,	144.4,	159.2,	-111.9,	-10.7,	34	11.0,	131.8,	159.2,	-109.9,	-16.4,
35	11.0,	115.2,	154.3,	-104.7,	-21.7,	36	11.0,	95.1,	144.8,	-96.2,	-26.3,

SOURCE ID: STCK57

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-95.9,	-28.1,	2	11.0,	112.9,	149.2,	-95.3,	-32.3,
3	11.0,	130.8,	155.0,	-91.8,	-35.5,	4	15.2,	227.5,	215.0,	-239.6,	121.2,
5	15.2,	211.0,	237.5,	-270.2,	98.6,	6	15.2,	188.1,	252.7,	-292.5,	73.0,
7	15.2,	159.5,	260.3,	-305.9,	45.1,	8	15.2,	126.0,	259.9,	-310.0,	15.9,
9	15.2,	92.1,	251.7,	-304.7,	-15.5,	10	15.2,	112.1,	248.8,	-296.3,	-53.1,
11	15.2,	151.3,	245.2,	-280.3,	-82.2,	12	11.0,	155.0,	130.8,	-29.9,	-14.3,
13	11.0,	156.2,	144.8,	-34.8,	-7.4,	14	11.0,	152.6,	154.3,	-38.6,	-0.3,
15	11.0,	144.4,	159.2,	-41.2,	6.8,	16	11.0,	131.8,	159.2,	-42.5,	13.7,
17	11.0,	115.2,	154.3,	-42.6,	20.1,	18	11.0,	95.1,	144.8,	-41.4,	26.0,
19	11.0,	91.6,	138.7,	-42.9,	28.1,	20	11.0,	112.9,	149.2,	-53.9,	32.3,
21	11.0,	130.8,	155.0,	-63.2,	35.5,	22	15.2,	227.5,	215.0,	24.7,	-121.2,
23	11.0,	154.3,	152.6,	-76.0,	38.6,	24	11.0,	159.2,	144.4,	-79.0,	38.4,
25	11.0,	159.2,	131.8,	-79.5,	37.0,	26	11.0,	154.3,	115.2,	-77.7,	34.6,
27	11.0,	144.8,	95.1,	-73.5,	31.0,	28	11.0,	138.7,	91.6,	-73.9,	26.5,
29	11.0,	149.2,	112.9,	-88.8,	20.7,	30	11.0,	155.0,	130.8,	-100.9,	14.3,
31	11.0,	156.2,	144.8,	-110.0,	7.4,	32	11.0,	152.6,	154.3,	-115.7,	0.3,
33	11.0,	144.4,	159.2,	-118.0,	-6.8,	34	11.0,	131.8,	159.2,	-116.6,	-13.7,
35	11.0,	115.2,	154.3,	-111.7,	-20.1,	36	11.0,	95.1,	144.8,	-103.4,	-26.0,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK58

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-100.2,	-28.0,	2	11.0,	112.9,	149.2,	-99.6,	-33.0,
3	11.0,	130.8,	155.0,	-95.9,	-36.9,	4	15.2,	227.5,	215.0,	-243.4,	119.1,
5	15.2,	211.0,	237.5,	-273.5,	95.8,	6	15.2,	188.1,	252.7,	-295.3,	69.7,
7	15.2,	159.5,	260.3,	-308.1,	41.4,	8	15.2,	126.0,	259.9,	-311.6,	11.9,
9	15.2,	92.1,	251.7,	-305.6,	-19.8,	10	15.2,	112.1,	248.8,	-296.3,	-57.5,
11	11.0,	149.2,	112.9,	-23.5,	-25.0,	12	11.0,	155.0,	130.8,	-28.5,	-18.4,
13	11.0,	156.2,	144.8,	-32.7,	-11.2,	14	11.0,	152.6,	154.3,	-35.8,	-3.7,
15	11.0,	144.4,	159.2,	-37.9,	3.9,	16	11.0,	131.8,	159.2,	-38.8,	11.4,
17	11.0,	115.2,	154.3,	-38.5,	18.6,	18	11.0,	95.1,	144.8,	-37.1,	25.2,
19	11.0,	91.6,	138.7,	-38.5,	28.0,	20	11.0,	112.9,	149.2,	-49.6,	33.0,
21	11.0,	130.8,	155.0,	-59.1,	36.9,	22	15.2,	227.5,	215.0,	28.4,	-119.1,
23	11.0,	154.3,	152.6,	-72.6,	41.3,	24	11.0,	159.2,	144.4,	-76.1,	41.7,
25	11.0,	159.2,	131.8,	-77.3,	40.8,	26	11.0,	154.3,	115.2,	-76.2,	38.6,
27	11.0,	144.8,	95.1,	-72.7,	35.3,	28	11.0,	138.7,	91.6,	-73.8,	30.9,
29	11.0,	149.2,	112.9,	-89.4,	25.0,	30	11.0,	155.0,	130.8,	-102.3,	18.4,
31	11.0,	156.2,	144.8,	-112.1,	11.2,	32	11.0,	152.6,	154.3,	-118.5,	3.7,
33	11.0,	144.4,	159.2,	-121.3,	-3.9,	34	11.0,	131.8,	159.2,	-120.3,	-11.4,
35	11.0,	115.2,	154.3,	-115.8,	-18.6,	36	11.0,	95.1,	144.8,	-107.7,	-25.2,

SOURCE ID: STCK59

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-184.8,	-32.8,	2	11.0,	112.9,	149.2,	-182.0,	-52.3,
3	11.0,	130.8,	155.0,	-173.7,	-70.3,	4	10.4,	119.5,	110.5,	-23.3,	-14.3,
5	10.4,	122.6,	110.1,	-19.7,	-9.4,	6	10.4,	122.0,	106.4,	-15.6,	-4.1,
7	10.4,	117.7,	99.5,	-10.9,	1.2,	8	10.4,	109.8,	92.2,	-8.7,	6.5,
9	10.4,	98.5,	89.6,	-13.6,	11.7,	10	10.4,	91.9,	89.4,	-18.7,	16.6,
11	10.4,	101.3,	102.7,	-28.6,	22.4,	12	10.4,	107.5,	112.8,	-37.6,	27.6,
13	11.0,	156.2,	144.8,	13.7,	-82.0,	14	10.4,	110.1,	122.6,	-51.9,	35.3,
15	10.4,	106.4,	122.0,	-56.9,	37.6,	16	10.4,	99.5,	117.7,	-60.0,	38.8,
17	10.4,	92.2,	109.8,	-61.4,	37.4,	18	10.4,	89.6,	98.5,	-60.9,	31.2,
19	10.4,	89.4,	91.9,	-62.5,	26.0,	20	10.4,	102.7,	101.3,	-73.0,	22.8,
21	11.0,	130.8,	155.0,	18.7,	70.3,	22	10.4,	119.5,	110.5,	-87.2,	14.3,
23	10.4,	122.6,	110.1,	-90.4,	9.4,	24	10.4,	122.0,	106.4,	-90.9,	4.1,
25	10.4,	117.7,	99.5,	-88.5,	-1.2,	26	10.4,	109.8,	92.2,	-83.5,	-6.5,
27	10.4,	98.5,	89.6,	-76.0,	-11.7,	28	10.4,	91.9,	89.4,	-70.7,	-16.6,
29	10.4,	101.3,	102.7,	-74.1,	-22.4,	30	10.4,	107.5,	112.8,	-75.2,	-27.6,
31	11.0,	156.2,	144.8,	-158.5,	82.0,	32	11.0,	152.6,	154.3,	-176.5,	65.4,
33	11.0,	144.4,	159.2,	-189.1,	46.8,	34	11.0,	131.8,	159.2,	-195.9,	26.7,
35	11.0,	115.2,	154.3,	-196.8,	5.9,	36	11.0,	95.1,	144.8,	-191.8,	-15.2,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  22
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK60

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	11.0,	91.6,	138.7,	-188.1,	-32.7,	2	11.0,	112.9,	149.2,	-185.3,	-52.8,
3	10.4,	112.8,	107.5,	-29.3,	-19.9,	4	10.4,	119.5,	110.5,	-26.2,	-15.9,
5	10.4,	122.6,	110.1,	-22.4,	-11.5,	6	10.4,	122.0,	106.4,	-17.8,	-6.6,
7	10.4,	117.7,	99.5,	-12.7,	-1.6,	8	10.4,	109.8,	92.2,	-9.9,	3.4,
9	10.4,	98.5,	89.6,	-14.3,	8.4,	10	10.4,	91.9,	89.4,	-18.8,	13.2,
11	10.4,	101.3,	102.7,	-28.1,	19.1,	12	10.4,	107.5,	112.8,	-36.5,	24.4,
13	10.4,	110.5,	119.5,	-43.8,	29.0,	14	10.4,	110.1,	122.6,	-49.9,	32.7,
15	10.4,	106.4,	122.0,	-54.3,	35.4,	16	10.4,	99.5,	117.7,	-57.2,	37.1,
17	10.4,	92.2,	109.8,	-58.3,	36.2,	18	10.4,	89.6,	98.5,	-57.6,	30.5,
19	10.4,	89.4,	91.9,	-59.2,	25.9,	20	10.4,	102.7,	101.3,	-69.7,	23.3,
21	10.4,	112.8,	107.5,	-78.2,	19.9,	22	10.4,	119.5,	110.5,	-84.3,	15.9,
23	10.4,	122.6,	110.1,	-87.8,	11.5,	24	10.4,	122.0,	106.4,	-88.6,	6.6,
25	10.4,	117.7,	99.5,	-86.8,	1.6,	26	10.4,	109.8,	92.2,	-82.3,	-3.4,
27	10.4,	98.5,	89.6,	-75.3,	-8.4,	28	10.4,	91.9,	89.4,	-70.6,	-13.2,
29	10.4,	101.3,	102.7,	-74.6,	-19.1,	30	10.4,	107.5,	112.8,	-76.3,	-24.4,
31	10.4,	110.5,	119.5,	-75.7,	-29.0,	32	11.0,	152.6,	154.3,	-178.5,	68.0,
33	11.0,	144.4,	159.2,	-191.6,	49.0,	34	11.0,	131.8,	159.2,	-198.8,	28.5,
35	11.0,	115.2,	154.3,	-200.0,	7.1,	36	11.0,	95.1,	144.8,	-195.1,	-14.5,

SOURCE ID: STCK61

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-35.4,	-26.2,	2	10.4,	102.7,	101.3,	-34.0,	-24.0,
3	10.4,	112.8,	107.5,	-31.7,	-21.1,	4	10.4,	119.5,	110.5,	-28.4,	-17.5,
5	10.4,	122.6,	110.1,	-24.2,	-13.4,	6	10.4,	122.0,	106.4,	-19.2,	-8.9,
7	10.4,	117.7,	99.5,	-13.8,	-4.1,	8	10.4,	109.8,	92.2,	-10.5,	0.9,
9	10.4,	98.5,	89.6,	-14.5,	5.8,	10	10.4,	91.9,	89.4,	-18.5,	10.6,
11	10.4,	101.3,	102.7,	-27.3,	16.6,	12	10.4,	107.5,	112.8,	-35.3,	22.1,
13	10.4,	110.5,	119.5,	-42.3,	26.9,	14	10.4,	110.1,	122.6,	-47.9,	30.9,
15	10.4,	106.4,	122.0,	-52.2,	34.0,	16	10.4,	99.5,	117.7,	-54.8,	36.0,
17	10.4,	92.2,	109.8,	-55.7,	35.6,	18	10.4,	89.6,	98.5,	-55.0,	30.4,
19	10.4,	89.4,	91.9,	-56.5,	26.2,	20	10.4,	102.7,	101.3,	-67.2,	24.0,
21	10.4,	112.8,	107.5,	-75.8,	21.1,	22	10.4,	119.5,	110.5,	-82.1,	17.5,
23	10.4,	122.6,	110.1,	-86.0,	13.4,	24	10.4,	122.0,	106.4,	-87.2,	8.9,
25	10.4,	117.7,	99.5,	-85.8,	4.1,	26	10.4,	109.8,	92.2,	-81.7,	-0.9,
27	10.4,	98.5,	89.6,	-75.2,	-5.8,	28	10.4,	91.9,	89.4,	-70.9,	-10.6,
29	10.4,	101.3,	102.7,	-75.3,	-16.6,	30	10.4,	107.5,	112.8,	-77.5,	-22.1,
31	10.4,	110.5,	119.5,	-77.2,	-26.9,	32	10.4,	110.1,	122.6,	-74.7,	-30.9,
33	10.4,	106.4,	122.0,	-69.8,	-34.0,	34	10.4,	99.5,	117.7,	-62.9,	-36.0,
35	10.4,	92.2,	109.8,	-54.0,	-35.6,	36	10.4,	89.6,	98.5,	-43.5,	-30.4,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK62

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-40.7,	-27.3,	2	10.4,	102.7,	101.3,	-39.1,	-26.0,
3	10.4,	112.8,	107.5,	-36.3,	-23.9,	4	10.4,	119.5,	110.5,	-32.4,	-21.1,
5	10.4,	122.6,	110.1,	-27.5,	-17.6,	6	10.4,	122.0,	106.4,	-21.8,	-13.6,
7	10.4,	117.7,	99.5,	-15.4,	-9.2,	8	10.4,	109.8,	92.2,	-11.3,	-4.5,
9	10.4,	98.5,	89.6,	-14.3,	0.3,	10	10.4,	91.9,	89.4,	-17.4,	5.3,
11	10.4,	101.3,	102.7,	-25.3,	11.6,	12	10.4,	107.5,	112.8,	-32.5,	17.5,
13	10.4,	110.5,	119.5,	-38.7,	22.9,	14	10.4,	110.1,	122.6,	-43.7,	27.6,
15	10.4,	106.4,	122.0,	-47.4,	31.4,	16	10.4,	99.5,	117.7,	-49.6,	34.3,
17	10.4,	92.2,	109.8,	-50.4,	34.8,	18	10.4,	89.6,	98.5,	-49.6,	30.5,
19	10.4,	89.4,	91.9,	-51.2,	27.3,	20	10.4,	102.7,	101.3,	-62.2,	26.0,
21	10.4,	112.8,	107.5,	-71.2,	23.9,	22	10.4,	119.5,	110.5,	-78.1,	21.1,
23	10.4,	122.6,	110.1,	-82.6,	17.6,	24	10.4,	122.0,	106.4,	-84.6,	13.6,
25	10.4,	117.7,	99.5,	-84.1,	9.2,	26	10.4,	109.8,	92.2,	-80.9,	4.5,
27	10.4,	98.5,	89.6,	-75.3,	-0.3,	28	10.4,	91.9,	89.4,	-72.0,	-5.3,
29	10.4,	101.3,	102.7,	-77.3,	-11.6,	30	10.4,	107.5,	112.8,	-80.3,	-17.5,
31	10.4,	110.5,	119.5,	-80.9,	-22.9,	32	10.4,	110.1,	122.6,	-79.0,	-27.6,
33	10.4,	106.4,	122.0,	-74.6,	-31.4,	34	10.4,	99.5,	117.7,	-68.0,	-34.3,
35	10.4,	92.2,	109.8,	-59.4,	-34.8,	36	10.4,	89.6,	98.5,	-48.9,	-30.5,

SOURCE ID: STCK63

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-45.1,	-26.9,	2	10.4,	102.7,	101.3,	-43.5,	-26.4,
3	10.4,	112.8,	107.5,	-40.6,	-25.1,	4	10.4,	119.5,	110.5,	-36.4,	-23.0,
5	10.4,	122.6,	110.1,	-31.2,	-20.2,	6	10.4,	122.0,	106.4,	-24.9,	-16.8,
7	10.4,	117.7,	99.5,	-18.0,	-12.8,	8	10.4,	109.8,	92.2,	-13.2,	-8.5,
9	10.4,	98.5,	89.6,	-15.4,	-3.9,	10	10.4,	91.9,	89.4,	-17.8,	0.9,
11	10.4,	101.3,	102.7,	-24.9,	7.1,	12	10.4,	107.5,	112.8,	-31.3,	13.2,
13	10.4,	110.5,	119.5,	-36.8,	18.8,	14	10.4,	110.1,	122.6,	-41.2,	23.9,
15	10.4,	106.4,	122.0,	-44.2,	28.3,	16	10.4,	99.5,	117.7,	-46.0,	31.8,
17	10.4,	92.2,	109.8,	-46.4,	32.9,	18	10.4,	89.6,	98.5,	-45.3,	29.4,
19	10.4,	89.4,	91.9,	-46.8,	26.9,	20	10.4,	102.7,	101.3,	-57.8,	26.4,
21	10.4,	112.8,	107.5,	-67.0,	25.1,	22	10.4,	119.5,	110.5,	-74.1,	23.0,
23	10.4,	122.6,	110.1,	-79.0,	20.2,	24	10.4,	122.0,	106.4,	-81.5,	16.8,
25	10.4,	117.7,	99.5,	-81.5,	12.8,	26	10.4,	109.8,	92.2,	-79.1,	8.5,
27	10.4,	98.5,	89.6,	-74.2,	3.9,	28	10.4,	91.9,	89.4,	-71.6,	-0.9,
29	10.4,	101.3,	102.7,	-77.7,	-7.1,	30	10.4,	107.5,	112.8,	-81.5,	-13.2,
31	10.4,	110.5,	119.5,	-82.7,	-18.8,	32	10.4,	110.1,	122.6,	-81.5,	-23.9,
33	10.4,	106.4,	122.0,	-77.8,	-28.3,	34	10.4,	99.5,	117.7,	-71.7,	-31.8,
35	10.4,	92.2,	109.8,	-63.4,	-32.9,	36	10.4,	89.6,	98.5,	-53.2,	-29.4,

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  23
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                                        *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
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SOURCE ID: STCK64

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-48.8,	-26.9,	2	10.4,	102.7,	101.3,	-47.1,	-27.0,
3	10.4,	112.8,	107.5,	-44.0,	-26.3,	4	10.4,	119.5,	110.5,	-39.6,	-24.8,
5	10.4,	122.6,	110.1,	-34.0,	-22.5,	6	10.4,	122.0,	106.4,	-27.3,	-19.6,
7	10.4,	117.7,	99.5,	-19.8,	-16.0,	8	10.4,	109.8,	92.2,	-14.4,	-12.0,
9	10.4,	98.5,	89.6,	-16.1,	-7.5,	10	10.4,	91.9,	89.4,	-17.8,	-2.8,
11	10.4,	101.3,	102.7,	-24.3,	3.5,	12	10.4,	107.5,	112.8,	-30.1,	9.7,
13	10.4,	110.5,	119.5,	-35.0,	15.7,	14	10.4,	110.1,	122.6,	-38.8,	21.1,
15	10.4,	106.4,	122.0,	-41.5,	25.9,	16	10.4,	99.5,	117.7,	-42.8,	29.9,
17	10.4,	92.2,	109.8,	-42.9,	31.7,	18	10.4,	89.6,	98.5,	-41.7,	28.7,
19	10.4,	89.4,	91.9,	-43.2,	26.9,	20	10.4,	102.7,	101.3,	-54.1,	27.0,
21	10.4,	112.8,	107.5,	-63.5,	26.3,	22	10.4,	119.5,	110.5,	-70.9,	24.8,
23	10.4,	122.6,	110.1,	-76.2,	22.5,	24	10.4,	122.0,	106.4,	-79.1,	19.6,
25	10.4,	117.7,	99.5,	-79.7,	16.0,	26	10.4,	109.8,	92.2,	-77.8,	12.0,
27	10.4,	98.5,	89.6,	-73.5,	7.5,	28	10.4,	91.9,	89.4,	-71.6,	2.8,
29	10.4,	101.3,	102.7,	-78.3,	-3.5,	30	10.4,	107.5,	112.8,	-82.7,	-9.7,
31	10.4,	110.5,	119.5,	-84.5,	-15.7,	32	10.4,	110.1,	122.6,	-83.8,	-21.1,
33	10.4,	106.4,	122.0,	-80.5,	-25.9,	34	10.4,	99.5,	117.7,	-74.8,	-29.9,
35	10.4,	92.2,	109.8,	-66.8,	-31.7,	36	10.4,	89.6,	98.5,	-56.8,	-28.7,

SOURCE ID: STCK65

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-52.2,	-27.4,	2	10.4,	102.7,	101.3,	-50.4,	-28.1,
3	10.4,	112.8,	107.5,	-47.1,	-27.9,	4	10.4,	119.5,	110.5,	-42.3,	-26.9,
5	10.4,	122.6,	110.1,	-36.3,	-25.0,	6	10.4,	122.0,	106.4,	-29.2,	-22.4,
7	10.4,	117.7,	99.5,	-21.2,	-19.2,	8	10.4,	109.8,	92.2,	-15.2,	-15.3,
9	10.4,	98.5,	89.6,	-16.3,	-11.0,	10	10.4,	91.9,	89.4,	-17.3,	-6.2,
11	10.4,	101.3,	102.7,	-23.3,	0.2,	12	10.4,	107.5,	112.8,	-28.5,	6.7,
13	10.4,	110.5,	119.5,	-32.9,	12.9,	14	10.4,	110.1,	122.6,	-36.3,	18.8,
15	10.4,	106.4,	122.0,	-38.5,	24.0,	16	10.4,	99.5,	117.7,	-39.6,	28.6,
17	10.4,	92.2,	109.8,	-39.5,	30.9,	18	10.4,	89.6,	98.5,	-38.2,	28.6,
19	10.4,	89.4,	91.9,	-39.7,	27.4,	20	10.4,	102.7,	101.3,	-50.8,	28.1,
21	10.4,	112.8,	107.5,	-60.4,	27.9,	22	10.4,	119.5,	110.5,	-68.2,	26.9,
23	10.4,	122.6,	110.1,	-73.8,	25.0,	24	10.4,	122.0,	106.4,	-77.2,	22.4,
25	10.4,	117.7,	99.5,	-78.3,	19.2,	26	10.4,	109.8,	92.2,	-77.0,	15.3,
27	10.4,	98.5,	89.6,	-73.4,	11.0,	28	10.4,	91.9,	89.4,	-72.0,	6.2,
29	10.4,	101.3,	102.7,	-79.4,	-0.2,	30	10.4,	107.5,	112.8,	-84.3,	-6.7,
31	10.4,	110.5,	119.5,	-86.6,	-12.9,	32	10.4,	110.1,	122.6,	-86.4,	-18.8,
33	10.4,	106.4,	122.0,	-83.5,	-24.0,	34	10.4,	99.5,	117.7,	-78.0,	-28.6,
35	10.4,	92.2,	109.8,	-70.2,	-30.9,	36	10.4,	89.6,	98.5,	-60.3,	-28.6,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK66

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-139.4,	12.6,	2	10.4,	102.7,	101.3,	-143.3,	-3.8,
3	10.4,	112.8,	107.5,	-142.8,	-20.2,	4	10.4,	119.5,	110.5,	-137.9,	-35.9,
5	10.4,	122.6,	110.1,	-128.9,	-50.5,	6	10.4,	122.0,	106.4,	-115.9,	-63.6,
7	10.4,	89.1,	77.2,	-66.4,	20.2,	8	10.4,	84.0,	72.5,	-65.9,	15.7,
9	10.4,	76.3,	65.5,	-63.4,	10.7,	10	10.4,	71.3,	63.2,	-62.7,	4.9,
11	10.4,	76.5,	73.8,	-68.4,	-2.3,	12	10.4,	79.3,	82.1,	-72.1,	-9.4,
13	10.4,	79.8,	87.9,	-73.6,	-16.2,	14	10.4,	79.6,	91.1,	-72.8,	-21.6,
15	10.4,	79.6,	91.5,	-69.9,	-25.1,	16	10.4,	99.5,	117.7,	15.9,	-49.7,
17	10.4,	72.5,	84.0,	-57.7,	-29.7,	18	10.4,	65.5,	76.3,	-48.9,	-30.6,
19	10.4,	63.2,	71.3,	-40.6,	-31.1,	20	10.4,	73.8,	76.5,	-36.0,	-31.5,
21	10.4,	82.1,	79.3,	-30.3,	-31.1,	22	10.4,	87.9,	79.8,	-23.7,	-29.6,
23	10.4,	122.6,	110.1,	18.7,	50.5,	24	10.4,	122.0,	106.4,	9.5,	63.6,
25	10.4,	89.1,	77.2,	-10.8,	-20.2,	26	10.4,	84.0,	72.5,	-6.5,	-15.7,
27	10.4,	76.3,	65.5,	-2.1,	-10.7,	28	10.4,	71.3,	63.2,	-0.5,	-4.9,
29	10.4,	76.5,	73.8,	-5.3,	2.3,	30	10.4,	79.3,	82.1,	-10.0,	9.4,
31	10.4,	79.8,	87.9,	-14.4,	16.2,	32	10.4,	79.6,	91.1,	-18.3,	21.6,
33	10.4,	79.6,	91.5,	-21.6,	25.1,	34	10.4,	99.5,	117.7,	-133.6,	49.7,
35	10.4,	92.2,	109.8,	-138.5,	36.5,	36	10.4,	89.6,	98.5,	-139.2,	26.0,

SOURCE ID: STCK67

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-136.0,	12.9,	2	10.4,	102.7,	101.3,	-139.9,	-3.0,
3	10.4,	112.8,	107.5,	-139.6,	-18.7,	4	10.4,	119.5,	110.5,	-135.0,	-33.9,
5	10.4,	122.6,	110.1,	-126.4,	-48.1,	6	10.4,	122.0,	106.4,	-113.9,	-60.8,
7	10.4,	89.1,	77.2,	-64.9,	23.4,	8	10.4,	84.0,	72.5,	-65.0,	19.1,
9	10.4,	76.3,	65.5,	-63.1,	14.2,	10	10.4,	71.3,	63.2,	-62.9,	8.4,
11	10.4,	76.5,	73.8,	-69.3,	1.1,	12	10.4,	79.3,	82.1,	-73.5,	-6.2,
13	10.4,	79.8,	87.9,	-75.5,	-13.4,	14	10.4,	79.6,	91.1,	-75.3,	-19.2,
15	10.4,	79.6,	91.5,	-72.7,	-23.1,	16	10.4,	99.5,	117.7,	12.8,	-48.2,
17	10.4,	72.5,	84.0,	-61.1,	-28.8,	18	10.4,	65.5,	76.3,	-52.4,	-30.3,
19	10.4,	63.2,	71.3,	-44.1,	-31.3,	20	10.4,	73.8,	76.5,	-39.3,	-32.4,
21	10.4,	82.1,	79.3,	-33.4,	-32.5,	22	10.4,	87.9,	79.8,	-26.5,	-31.6,
23	10.4,	122.6,	110.1,	16.2,	48.1,	24	10.4,	122.0,	106.4,	7.4,	60.8,
25	10.4,	89.1,	77.2,	-12.3,	-23.4,	26	10.4,	84.0,	72.5,	-7.5,	-19.1,
27	10.4,	76.3,	65.5,	-2.4,	-14.2,	28	10.4,	71.3,	63.2,	-0.3,	-8.4,
29	10.4,	76.5,	73.8,	-4.5,	-1.1,	30	10.4,	79.3,	82.1,	-8.6,	6.2,
31	10.4,	79.8,	87.9,	-12.4,	13.4,	32	10.4,	79.6,	91.1,	-15.8,	19.2,
33	10.4,	79.6,	91.5,	-18.8,	23.1,	34	10.4,	99.5,	117.7,	-130.5,	48.2,
35	10.4,	92.2,	109.8,	-135.2,	35.6,	36	10.4,	89.6,	98.5,	-135.8,	25.6,

Model Input
Unit Emission Rates (1 g/s)

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK68

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-132.2,	13.2,	2	10.4,	102.7,	101.3,	-136.3,	-2.0,
3	10.4,	112.8,	107.5,	-136.2,	-17.1,	4	10.4,	119.5,	110.5,	-131.9,	-31.7,
5	10.4,	122.6,	110.1,	-123.7,	-45.4,	6	10.4,	122.0,	106.4,	-111.7,	-57.7,
7	10.4,	89.1,	77.2,	-63.3,	26.8,	8	10.4,	84.0,	72.5,	-64.0,	22.7,
9	10.4,	76.3,	65.5,	-62.7,	18.0,	10	10.4,	71.3,	63.2,	-63.3,	12.2,
11	10.4,	76.5,	73.8,	-70.3,	4.8,	12	10.4,	79.3,	82.1,	-75.1,	-2.8,
13	10.4,	79.8,	87.9,	-77.7,	-10.3,	14	10.4,	79.6,	91.1,	-77.9,	-16.5,
15	10.4,	79.6,	91.5,	-75.8,	-20.9,	16	10.4,	99.5,	117.7,	9.4,	-46.6,
17	10.4,	72.5,	84.0,	-64.7,	-27.8,	18	10.4,	65.5,	76.3,	-56.1,	-30.0,
19	10.4,	63.2,	71.3,	-47.8,	-31.7,	20	10.4,	73.8,	76.5,	-43.0,	-33.4,
21	10.4,	82.1,	79.3,	-36.9,	-34.1,	22	10.4,	87.9,	79.8,	-29.6,	-33.8,
23	10.4,	122.6,	110.1,	13.6,	45.4,	24	10.4,	122.0,	106.4,	5.3,	57.7,
25	10.4,	89.1,	77.2,	-13.9,	-26.8,	26	10.4,	84.0,	72.5,	-8.5,	-22.7,
27	10.4,	76.3,	65.5,	-2.8,	-18.0,	28	10.4,	71.3,	63.2,	0.1,	-12.2,
29	10.4,	76.5,	73.8,	-3.5,	-4.8,	30	10.4,	79.3,	82.1,	-7.0,	2.8,
31	10.4,	79.8,	87.9,	-10.2,	10.3,	32	10.4,	79.6,	91.1,	-13.2,	16.5,
33	10.4,	79.6,	91.5,	-15.7,	20.9,	34	10.4,	99.5,	117.7,	-127.0,	46.6,
35	10.4,	92.2,	109.8,	-131.5,	34.6,	36	10.4,	89.6,	98.5,	-132.0,	25.3,

SOURCE ID: STCK69

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-128.4,	13.2,	2	10.4,	102.7,	101.3,	-132.5,	-1.3,
3	10.4,	112.8,	107.5,	-132.6,	-15.8,	4	10.4,	119.5,	110.5,	-128.6,	-29.8,
5	10.4,	122.6,	110.1,	-120.8,	-42.9,	6	10.4,	122.0,	106.4,	-109.2,	-54.7,
7	10.4,	89.1,	77.2,	-61.4,	30.1,	8	10.4,	84.0,	72.5,	-62.7,	26.3,
9	10.4,	76.3,	65.5,	-62.1,	21.7,	10	10.4,	71.3,	63.2,	-63.3,	16.0,
11	10.4,	76.5,	73.8,	-71.0,	8.5,	12	10.4,	79.3,	82.1,	-76.5,	0.8,
13	10.4,	79.8,	87.9,	-79.6,	-6.9,	14	10.4,	79.6,	91.1,	-80.4,	-13.6,
15	10.4,	106.4,	122.0,	-6.3,	-56.0,	16	10.4,	99.5,	117.7,	6.0,	-44.7,
17	10.4,	92.2,	109.8,	18.2,	-33.3,	18	10.4,	65.5,	76.3,	-59.9,	-29.3,
19	10.4,	63.2,	71.3,	-51.7,	-31.7,	20	10.4,	73.8,	76.5,	-46.8,	-34.1,
21	10.4,	82.1,	79.3,	-40.5,	-35.4,	22	10.4,	119.5,	110.5,	18.1,	29.8,
23	10.4,	122.6,	110.1,	10.6,	42.9,	24	10.4,	122.0,	106.4,	2.8,	54.7,
25	10.4,	89.1,	77.2,	-15.8,	-30.1,	26	10.4,	84.0,	72.5,	-9.8,	-26.3,
27	10.4,	76.3,	65.5,	-3.4,	-21.7,	28	10.4,	71.3,	63.2,	0.1,	-16.0,
29	10.4,	76.5,	73.8,	-2.8,	-8.5,	30	10.4,	79.3,	82.1,	-5.6,	-0.8,
31	10.4,	79.8,	87.9,	-8.3,	6.9,	32	10.4,	79.6,	91.1,	-10.7,	13.6,
33	10.4,	106.4,	122.0,	-115.7,	56.0,	34	10.4,	99.5,	117.7,	-123.7,	44.7,
35	10.4,	92.2,	109.8,	-127.9,	33.3,	36	10.4,	89.6,	98.5,	-128.2,	24.6,

Model Input
Unit Emission Rates (1 g/s)

SOURCE ID: STCK70

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.4,	89.4,	91.9,	-125.1,	13.5,	2	10.4,	102.7,	101.3,	-129.3,	-0.5,
3	10.4,	112.8,	107.5,	-129.6,	-14.4,	4	10.4,	119.5,	110.5,	-125.9,	-27.9,
5	10.4,	122.6,	110.1,	-118.4,	-40.6,	6	10.4,	122.0,	106.4,	-107.3,	-52.0,
7	10.4,	117.7,	99.5,	-93.0,	-61.9,	8	10.4,	84.0,	72.5,	-61.8,	29.5,
9	10.4,	76.3,	65.5,	-61.8,	25.0,	10	10.4,	71.3,	63.2,	-63.5,	19.3,
11	10.4,	76.5,	73.8,	-71.8,	11.7,	12	10.4,	79.3,	82.1,	-77.8,	3.8,
13	10.4,	79.8,	87.9,	-81.5,	-4.2,	14	10.4,	79.6,	91.1,	-82.7,	-11.2,
15	10.4,	106.4,	122.0,	-9.0,	-54.1,	16	10.4,	99.5,	117.7,	3.0,	-43.2,
17	10.4,	92.2,	109.8,	15.0,	-32.4,	18	10.4,	65.5,	76.3,	-63.2,	-29.0,
19	10.4,	63.2,	71.3,	-55.0,	-31.9,	20	10.4,	73.8,	76.5,	-50.0,	-34.9,
21	10.4,	82.1,	79.3,	-43.5,	-36.8,	22	10.4,	119.5,	110.5,	15.4,	27.9,
23	10.4,	122.6,	110.1,	8.3,	40.6,	24	10.4,	122.0,	106.4,	0.9,	52.0,
25	10.4,	117.7,	99.5,	-6.5,	61.9,	26	10.4,	84.0,	72.5,	-10.7,	-29.5,
27	10.4,	76.3,	65.5,	-3.8,	-25.0,	28	10.4,	71.3,	63.2,	0.3,	-19.3,
29	10.4,	76.5,	73.8,	-2.0,	-11.7,	30	10.4,	79.3,	82.1,	-4.3,	-3.8,
31	10.4,	79.8,	87.9,	-6.4,	4.2,	32	10.4,	79.6,	91.1,	-8.4,	11.2,
33	10.4,	106.4,	122.0,	-113.0,	54.1,	34	10.4,	99.5,	117.7,	-120.7,	43.2,
35	10.4,	92.2,	109.8,	-124.7,	32.4,	36	10.4,	89.6,	98.5,	-125.0,	24.3,

Model Input
Unit Emission Rates (1 g/s)

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                         PAGE  25
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                         * 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 = 1A  through 1E       ; SOURCE TYPE = AREAPOLY :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      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   .10000E+01     23   .10000E+01     24   .10000E+01

SOURCE ID = STCK1 trough STCK71  ; SOURCE TYPE = POINT    :
      1   .10000E+01      2   .10000E+01      3   .10000E+01      4   .10000E+01      5   .10000E+01      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   .10000E+01     23   .10000E+01     24   .10000E+01


                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = 3A through 3D         ; SOURCE TYPE = AREAPOLY :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6  .0000E+00    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  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 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
                                                 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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Model Input
Unit Emission Rates (1 g/s)

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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                         PAGE  44
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = 3E           ; SOURCE TYPE = AREAPOLY :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                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  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
  17  .5000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                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
                                                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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Model Input
Unit Emission Rates (1 g/s)


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**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

    ( 414146.7, 3763412.7,     112.4,     112.4,       0.0);         ( 414156.7, 3763412.7,     112.4,     112.4,       0.0);
    ( 414166.7, 3763412.7,     112.5,     112.5,       0.0);         ( 414176.7, 3763412.7,     112.6,     112.6,       0.0);
    ( 414186.7, 3763412.7,     112.7,     112.7,       0.0);         ( 414196.7, 3763412.7,     112.8,     112.8,       0.0);
    ( 414206.7, 3763412.7,     112.9,     112.9,       0.0);         ( 414146.7, 3763422.7,     112.1,     112.1,       0.0);
    ( 414156.7, 3763422.7,     112.1,     112.1,       0.0);         ( 414166.7, 3763422.7,     112.2,     112.2,       0.0);
    ( 414176.7, 3763422.7,     112.3,     112.3,       0.0);         ( 414186.7, 3763422.7,     112.4,     112.4,       0.0);
    ( 414196.7, 3763422.7,     112.5,     112.5,       0.0);         ( 414206.7, 3763422.7,     112.7,     112.7,       0.0);
    ( 414146.7, 3763432.7,     111.7,     111.7,       0.0);         ( 414156.7, 3763432.7,     111.7,     111.7,       0.0);
    ( 414166.7, 3763432.7,     111.7,     111.7,       0.0);         ( 414176.7, 3763432.7,     111.8,     111.8,       0.0);
    ( 414186.7, 3763432.7,     111.9,     111.9,       0.0);         ( 414196.7, 3763432.7,     112.1,     112.1,       0.0);
    ( 414206.7, 3763432.7,     112.3,     112.3,       0.0);         ( 414146.7, 3763442.7,     111.2,     111.2,       0.0);
    ( 414156.7, 3763442.7,     111.2,     111.2,       0.0);         ( 414166.7, 3763442.7,     111.2,     111.2,       0.0);
    ( 414176.7, 3763442.7,     111.3,     111.3,       0.0);         ( 414186.7, 3763442.7,     111.3,     111.3,       0.0);
    ( 414196.7, 3763442.7,     111.6,     111.6,       0.0);         ( 414206.7, 3763442.7,     111.8,     111.8,       0.0);
    ( 414166.7, 3763452.7,     110.7,     110.7,       0.0);         ( 414176.7, 3763452.7,     110.7,     110.7,       0.0);
    ( 414186.7, 3763452.7,     110.8,     110.8,       0.0);         ( 414196.7, 3763452.7,     111.1,     111.1,       0.0);
    ( 414206.7, 3763452.7,     111.4,     111.4,       0.0);         ( 414208.5, 3763648.1,     115.3,     115.3,       0.0);
    ( 414190.5, 3763649.7,     115.2,     115.2,       0.0);         ( 414171.7, 3763655.8,     115.1,     115.1,       0.0);
    ( 414154.3, 3763658.6,     115.1,     115.1,       0.0);
```

Model Input
Unit Emission Rates (1 g/s)


```
**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,
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*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                         PAGE  47
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

  Surface file:   C:\!MET Files\SCAQMD Met Files\poma8.sfc                                          Met Version:  14134
  Profile file:   C:\!MET Files\SCAQMD Met Files\poma8.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  285.9    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  286.6    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  285.8    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  285.4    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  285.2    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  284.9    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  283.9    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  285.4    5.5
08 01 01   1 09   24.3 -9.000 -9.000 -9.000   57. -999. -99999.0  0.47   1.00   0.31  999.00  999.   -9.0  287.1    5.5
08 01 01   1 10   64.0 -9.000 -9.000 -9.000  141. -999. -99999.0  0.47   1.00   0.24  999.00  999.   -9.0  287.5    5.5
08 01 01   1 11  112.7 -9.000 -9.000 -9.000  352. -999. -99999.0  0.47   1.00   0.21  999.00  999.   -9.0  290.9    5.5
08 01 01   1 12  134.5 -9.000 -9.000 -9.000  579. -999. -99999.0  0.47   1.00   0.20  999.00  999.   -9.0  292.4    5.5
08 01 01   1 13  103.4 -9.000 -9.000 -9.000  704. -999. -99999.0  0.47   1.00   0.20  999.00  999.   -9.0  292.8    5.5
08 01 01   1 14   92.5 -9.000 -9.000 -9.000  748. -999. -99999.0  0.47   1.00   0.22  999.00  999.   -9.0  292.4    5.5
08 01 01   1 15   44.5 -9.000 -9.000 -9.000  768. -999. -99999.0  0.47   1.00   0.25  999.00  999.   -9.0  292.4    5.5
08 01 01   1 16    9.2 -9.000 -9.000 -9.000  772. -999. -99999.0  0.47   1.00   0.34  999.00  999.   -9.0  291.8    5.5
08 01 01   1 17 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.47   1.00   0.61  999.00  999.   -9.0  291.0    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  290.5    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  289.6    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  287.8    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  286.6    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  286.0    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  285.8    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  284.9    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   285.9   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 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  68
**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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

1A        1ST HIGHEST VALUE IS      10.44957 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       9.98575 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          3RD HIGHEST VALUE IS       9.54167 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
          4TH HIGHEST VALUE IS       9.48812 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          5TH HIGHEST VALUE IS       9.12019 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
          6TH HIGHEST VALUE IS       9.10373 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          7TH HIGHEST VALUE IS       8.73103 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC
          8TH HIGHEST VALUE IS       8.72161 AT (  414166.66,  3763412.70,   112.48,   112.48,    0.00)  DC
          9TH HIGHEST VALUE IS       8.63614 AT (  414206.66,  3763432.70,   112.26,   112.26,    0.00)  DC
         10TH HIGHEST VALUE IS       8.37428 AT (  414176.66,  3763422.70,   112.28,   112.28,    0.00)  DC

1B        1ST HIGHEST VALUE IS       4.30073 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       4.22092 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          3RD HIGHEST VALUE IS       4.15021 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
          4TH HIGHEST VALUE IS       4.08540 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
          5TH HIGHEST VALUE IS       4.02425 AT (  414166.66,  3763412.70,   112.48,   112.48,    0.00)  DC
          6TH HIGHEST VALUE IS       4.01215 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          7TH HIGHEST VALUE IS       3.96486 AT (  414156.66,  3763412.70,   112.43,   112.43,    0.00)  DC
          8TH HIGHEST VALUE IS       3.94052 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          9TH HIGHEST VALUE IS       3.90594 AT (  414146.66,  3763412.70,   112.43,   112.43,    0.00)  DC
         10TH HIGHEST VALUE IS       3.87742 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC

1C        1ST HIGHEST VALUE IS       2.49174 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       2.45770 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          3RD HIGHEST VALUE IS       2.42262 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
          4TH HIGHEST VALUE IS       2.38684 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
          5TH HIGHEST VALUE IS       2.37834 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          6TH HIGHEST VALUE IS       2.35042 AT (  414166.66,  3763412.70,   112.48,   112.48,    0.00)  DC
          7TH HIGHEST VALUE IS       2.34816 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          8TH HIGHEST VALUE IS       2.31698 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC
          9TH HIGHEST VALUE IS       2.31375 AT (  414156.66,  3763412.70,   112.43,   112.43,    0.00)  DC
         10TH HIGHEST VALUE IS       2.28520 AT (  414176.66,  3763422.70,   112.28,   112.28,    0.00)  DC

1D        1ST HIGHEST VALUE IS       5.00323 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       4.84810 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          3RD HIGHEST VALUE IS       4.71828 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          4TH HIGHEST VALUE IS       4.70048 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
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          5TH HIGHEST VALUE IS       4.57758 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          6TH HIGHEST VALUE IS       4.56008 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
          7TH HIGHEST VALUE IS       4.45393 AT (  414206.66,  3763432.70,   112.26,   112.26,    0.00)  DC
          8TH HIGHEST VALUE IS       4.44348 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC
          9TH HIGHEST VALUE IS       4.42606 AT (  414166.66,  3763412.70,   112.48,   112.48,    0.00)  DC
         10TH HIGHEST VALUE IS       4.32624 AT (  414196.66,  3763432.70,   112.06,   112.06,    0.00)  DC


1E        1ST HIGHEST VALUE IS       5.29044 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       5.09963 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          3RD HIGHEST VALUE IS       5.05881 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          4TH HIGHEST VALUE IS       4.91894 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
          5TH HIGHEST VALUE IS       4.88354 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          6TH HIGHEST VALUE IS       4.83173 AT (  414206.66,  3763432.70,   112.26,   112.26,    0.00)  DC
          7TH HIGHEST VALUE IS       4.74809 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
          8TH HIGHEST VALUE IS       4.71708 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC
          9TH HIGHEST VALUE IS       4.67089 AT (  414196.66,  3763432.70,   112.06,   112.06,    0.00)  DC
         10TH HIGHEST VALUE IS       4.61046 AT (  414206.66,  3763442.70,   111.81,   111.81,    0.00)  DC

3A        1ST HIGHEST VALUE IS       2.23889 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       2.15967 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          3RD HIGHEST VALUE IS       2.08179 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
          4TH HIGHEST VALUE IS       2.05540 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          5TH HIGHEST VALUE IS       2.00509 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
          6TH HIGHEST VALUE IS       1.98903 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          7TH HIGHEST VALUE IS       1.92948 AT (  414166.66,  3763412.70,   112.48,   112.48,    0.00)  DC
          8TH HIGHEST VALUE IS       1.92348 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC
          9TH HIGHEST VALUE IS       1.89179 AT (  414206.66,  3763432.70,   112.26,   112.26,    0.00)  DC
         10TH HIGHEST VALUE IS       1.85865 AT (  414176.66,  3763422.70,   112.28,   112.28,    0.00)  DC

3C        1ST HIGHEST VALUE IS       0.72312 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       0.70653 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          3RD HIGHEST VALUE IS       0.69693 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          4TH HIGHEST VALUE IS       0.69011 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
          5TH HIGHEST VALUE IS       0.68181 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          6TH HIGHEST VALUE IS       0.67396 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
          7TH HIGHEST VALUE IS       0.67156 AT (  414206.66,  3763432.70,   112.26,   112.26,    0.00)  DC
          8TH HIGHEST VALUE IS       0.66677 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC
          9TH HIGHEST VALUE IS       0.65810 AT (  414166.66,  3763412.70,   112.48,   112.48,    0.00)  DC
         10TH HIGHEST VALUE IS       0.65783 AT (  414196.66,  3763432.70,   112.06,   112.06,    0.00)  DC

3D        1ST HIGHEST VALUE IS       1.07469 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       1.03708 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          3RD HIGHEST VALUE IS       1.03480 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          4TH HIGHEST VALUE IS       1.00043 AT (  414206.66,  3763432.70,   112.26,   112.26,    0.00)  DC
          5TH HIGHEST VALUE IS       0.99974 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          6TH HIGHEST VALUE IS       0.99723 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
          7TH HIGHEST VALUE IS       0.96548 AT (  414196.66,  3763432.70,   112.06,   112.06,    0.00)  DC
          8TH HIGHEST VALUE IS       0.96502 AT (  414206.66,  3763442.70,   111.81,   111.81,    0.00)  DC
          9TH HIGHEST VALUE IS       0.96450 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC
         10TH HIGHEST VALUE IS       0.96185 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
```

Model Input
Unit Emission Rates (1 g/s)

```
 *** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
 *** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                          PAGE  70
 **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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

IDLING    1ST HIGHEST VALUE IS     485.58160 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS     477.39775 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          3RD HIGHEST VALUE IS     469.04504 AT (  414186.66,  3763412.70,   112.68,   112.68,    0.00)  DC
          4TH HIGHEST VALUE IS     462.24172 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          5TH HIGHEST VALUE IS     460.32261 AT (  414176.66,  3763412.70,   112.58,   112.58,    0.00)  DC
          6TH HIGHEST VALUE IS     454.86671 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          7TH HIGHEST VALUE IS     451.41321 AT (  414166.66,  3763412.70,   112.48,   112.48,    0.00)  DC
          8TH HIGHEST VALUE IS     447.08085 AT (  414186.66,  3763422.70,   112.38,   112.38,    0.00)  DC
          9TH HIGHEST VALUE IS     442.59035 AT (  414156.66,  3763412.70,   112.43,   112.43,    0.00)  DC
         10TH HIGHEST VALUE IS     439.62646 AT (  414176.66,  3763422.70,   112.28,   112.28,    0.00)  DC

3E        1ST HIGHEST VALUE IS       0.58101 AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC
          2ND HIGHEST VALUE IS       0.57726 AT (  414206.66,  3763422.70,   112.70,   112.70,    0.00)  DC
          3RD HIGHEST VALUE IS       0.57164 AT (  414206.66,  3763432.70,   112.26,   112.26,    0.00)  DC
          4TH HIGHEST VALUE IS       0.56425 AT (  414206.66,  3763442.70,   111.81,   111.81,    0.00)  DC
          5TH HIGHEST VALUE IS       0.55524 AT (  414206.66,  3763452.70,   111.37,   111.37,    0.00)  DC
          6TH HIGHEST VALUE IS       0.54447 AT (  414196.66,  3763412.70,   112.80,   112.80,    0.00)  DC
          7TH HIGHEST VALUE IS       0.54160 AT (  414196.66,  3763422.70,   112.54,   112.54,    0.00)  DC
          8TH HIGHEST VALUE IS       0.53707 AT (  414196.66,  3763432.70,   112.06,   112.06,    0.00)  DC
          9TH HIGHEST VALUE IS       0.53092 AT (  414196.66,  3763442.70,   111.57,   111.57,    0.00)  DC
         10TH HIGHEST VALUE IS       0.52330 AT (  414196.66,  3763452.70,   111.07,   111.07,    0.00)  DC


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

Model Input
Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  71
**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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

1A       HIGH   1ST HIGH VALUE IS     887.77249  ON 09092223: AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC

1B       HIGH   1ST HIGH VALUE IS     453.24470  ON 12071906: AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC

1C       HIGH   1ST HIGH VALUE IS     339.87141  ON 10092503: AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC

1D       HIGH   1ST HIGH VALUE IS     477.88472  ON 10072204: AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC

1E       HIGH   1ST HIGH VALUE IS     400.34717  ON 11090623: AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC

3A       HIGH   1ST HIGH VALUE IS     509.69989  ON 10100407: AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC

3C       HIGH   1ST HIGH VALUE IS     284.07315  ON 08122418: AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC

3D       HIGH   1ST HIGH VALUE IS     365.42556  ON 11040607: AT (  414206.66,  3763412.70,   112.92,   112.92,    0.00)  DC

IDLING   HIGH   1ST HIGH VALUE IS   18783.24787  ON 10122208: AT (  414156.66,  3763412.70,   112.43,   112.43,    0.00)  DC

3E       HIGH   1ST HIGH VALUE IS     205.84201  ON 11011117: AT (  414206.66,  3763452.70,   111.37,   111.37,    0.00)  DC

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

Model Input
Unit Emission Rates (1 g/s)

```
*** AERMOD - VERSION  15181 ***   *** Warehouse Buildings                                                    ***        01/14/16
*** AERMET - VERSION  14134 ***   *** HRA                                                                    ***        15:48:34
                                                                                                                        PAGE  72
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

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

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

A Total of            0 Fatal Error Message(s)
A Total of           71 Warning Message(s)
A Total of         1436 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of          347 Calm Hours Identified

A Total of         1089 Missing Hours Identified (  2.48 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320     150        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     151        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     152        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     153        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     154        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     155        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     156        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     157        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     158        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     159        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     160        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     161        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     162        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     163        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     164        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     165        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     166        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     167        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     168        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     169        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     170        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     171        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     172        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     173        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     174        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     175        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
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SO W320     176        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     177        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     178        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     179        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     180        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     181        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     182        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     183        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     184        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     185        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     186        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     187        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     188        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     189        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     190        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     191        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     192        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     193        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     194        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     195        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     196        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     197        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     198        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     199        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     200        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     201        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     202        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     203        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     204        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     205        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     206        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     207        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     208        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     209        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     210        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     211        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     212        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     213        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     214        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     215        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     216        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     217        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     218        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     219        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS
SO W320     220        PPARM: Input Parameter May Be Out-of-Range for Parameter            VS

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

Table D1
Pollutant Concentration Worksheet

Source No. (a)	Source (b)	Contaminant (c)	Weight Fraction (d)	Emission Rates[1] (g/s) (e)	AERMOD Output[2] **Annual Avg** ($\mu g/m^3$) (f)	Annual Average MER Concentration ($\mu g/m^3$) (g)	AERMOD Output[2] **1-Hour** ($\mu g/m^3$) (h)	Acute (1-Hour) MER Concentration ($\mu g/m^3$) (i)
Residential Scenario								
1	Truck - Running							
	Building A	Diesel Particulate	1.00E+00	4.32E-06	10.45	0.00005	n/a	No Acute REL for DPM
	Building B	Diesel Particulate	1.00E+00	6.48E-06	4.301	0.00003		
	Building C	Diesel Particulate	1.00E+00	3.36E-06	2.492	0.00001		
	Building D	Diesel Particulate	1.00E+00	1.68E-06	5.003	0.00001		
	Building E	Diesel Particulate	1.00E+00	1.20E-06	5.290	0.00001		
2	Truck - Idling Emissions	Diesel Particulate	1.00E+00	1.40E-06	485.6	0.00068		
3	Forklift Emissions							
	Building A	Diesel Particulate	1.00E+00	1.20E-02	2.239	0.02693		
	Building C	Diesel Particulate	1.00E+00	9.86E-03	0.723	0.00713		
	Building D	Diesel Particulate	1.00E+00	5.89E-03	1.075	0.00633		
	Building E	Acetaldehyde	7.81E-02	3.22E-04	0.581	1.46E-05	205.8	5.18E-03
		Acrolein	7.38E-02			1.38E-05		4.89E-03
		Ammonia	9.30E-02			1.74E-05		6.17E-03
		Benzene	4.43E-02			8.30E-06		2.94E-03
		1,3-Butadiene	1.86E-02			3.48E-06		1.23E-03
		Carbon Tetrachloride	4.96E-04			9.28E-08		3.29E-05
		Chloroform	3.84E-04			7.19E-08		2.55E-05
		1,2-Dichloroethane	3.16E-04			5.92E-08		2.10E-05
		1,2-Dichloropropane	3.66E-04			6.85E-08		2.43E-05
		1,3-Dichloropropene	3.56E-04			6.67E-08		2.36E-05
		Ethylbenzene	6.94E-04			1.30E-07		4.60E-05
		Ethylene Dibromide	5.98E-04			1.12E-07		3.97E-05
		Formaldehyde	5.76E-01			1.08E-04		3.82E-02
		Methanol	8.59E-02			1.61E-05		5.69E-03
		Methylene Chloride	1.16E-03			2.16E-07		7.67E-05
		Naphthalene	2.72E-03			5.10E-07		1.81E-04
		Styrene	3.35E-04			6.27E-08		2.22E-05
		1,1,2,2-Tetrachloroethane	7.10E-04			1.33E-07		4.71E-05
		1,1,2-Trichloroethane	4.28E-04			8.01E-08		2.84E-05
		Toluene	1.57E-02			2.93E-06		1.04E-03
		Vinyl Chloride	2.01E-04			3.77E-08		1.34E-05
		Xylene	5.46E-03			1.02E-06		3.62E-04
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 D2
HARP2 Results for Cancer Risk and Chronic Hazards
Residential Scenario

No.	Source	Contaminant	**Carcinogenic Risks**	Chronic Non-Cancer Risks - Toxicological Endpoints*											
			Residential 30-year [1]	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	**RESP**	SKIN	EYE	BONE	ENDO	BLOOD
			per million												
(a)	(b)	(c)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Truck - Running - Bldg	Diesel Particulate	3.4E-02							1.00E-05					
	Truck - Running - Bldg	Diesel Particulate	2.0E-02							6.00E-06					
	Truck - Running - Bldg	Diesel Particulate	6.8E-03							2.00E-06					
	Truck - Running - Bldg	Diesel Particulate	6.8E-03							2.00E-06					
	Truck - Running - Bldg	Diesel Particulate	6.8E-03							2.00E-06					
2	Truck - Idling	Diesel Particulate	0.46							1.36E-04					
3	Forklifts - Bldg A	Diesel Particulate	18.4							5.39E-03					
	Forklifts - Bldg C	Diesel Particulate	4.86							1.43E-03					
	Forklifts - Bldg D	Diesel Particulate	4.32							1.27E-03					
	Forklift - Bldg E	Acetaldehyde	9.0E-05							1.04E-07					
		Acrolein	0.0E+00							3.94E-05					
		Ammonia	0.0E+00							8.70E-08					
		Benzene	5.1E-04												2.77E-06
		1,3-Butadiene	1.3E-03						1.74E-06						
		Carbon Tetrachloride	8.6E-06		2.32E-09			2.32E-09	2.32E-09						
		Chloroform	8.5E-07				2.40E-10	2.40E-10	2.40E-10						
		1,2-Dichloroethane	2.6E-06					1.48E-10							
		1,2-Dichloropropane	2.7E-06												
		1,3-Dichloropropene	2.3E-06												
		Ethylbenzene	7.0E-07				6.50E-11	6.50E-11	6.50E-11					6.50E-11	
		Ethylene Dibromide	1.7E-05						1.40E-07						
		Formaldehyde	1.4E-03							1.20E-05					
		Methanol	0.0E+00						4.03E-09						
		Methylene Chloride	4.7E-07	5.40E-10	5.40E-10										
		Naphthalene	3.8E-05							5.67E-08					
		Styrene	0.0E+00		6.97E-11										
		1,1,2,2-Tetrachloroethane	1.6E-05												
		1,1,2-Trichloroethane	2.8E-06												
		Toluene	0.0E+00		9.77E-09				9.77E-09	9.77E-09					
		Vinyl Chloride	6.3E-06												
		Xylene	0.0E+00		1.46E-09					1.46E-09		1.46E-09			
		Total	**28.1**	5.40E-10	1.42E-08	0.00E+00	3.05E-10	2.77E-09	1.90E-06	**8.29E-03**	0.00E+00	1.46E-09	0.00E+00	6.50E-11	2.77E-06

Total Cancer Risk	**28.1**	per million
Maximum Chronic Hazard Index	**8.29E-03**	**Resp**

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

	3rd Trimester	0 < 2 years	2 < 16 years	16 < 30 years	age bin
Dose Exposure Factors:	350	350	350	350	exposure frequency (days/year)
	361	1090	745	335	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	14	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 70-year and 9-year cancer risks calculated from all emission sources are 33 and 20 in a million, respectively.

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

Table D3
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)
3	Forklift - Bldg E	Acetaldehyde							1.10E-05		1.10E-05			
		Acrolein							1.96E-03		1.96E-03			
		Ammonia							1.93E-06		1.93E-06			
		Benzene			1.09E-04			1.09E-04						1.09E-04
		1,3-Butadiene						1.86E-06						
		Carbon Tetrachloride		1.73E-08			1.73E-08	1.73E-08						
		Chloroform		1.70E-07				1.70E-07	1.70E-07					
		1,2-Dichloroethane												
		1,2-Dichloropropane												
		1,3-Dichloropropene												
		Ethylbenzene												
		Ethylene Dibromide												
		Formaldehyde									6.95E-04			
		Methanol		2.03E-07										
		Methylene Chloride	5.48E-09	5.48E-09										
		Naphthalene												
		Styrene	1.06E-09					1.06E-09	1.06E-09		1.06E-09			
		1,1,2,2-Tetrachloroethane												
		1,1,2-Trichloroethane												
		Toluene		2.81E-08				2.81E-08	2.81E-08		2.81E-08			
		Vinyl Chloride		7.44E-11					7.44E-11		7.44E-11			
		Xylene		1.65E-08					1.65E-08		1.65E-08			
		Total	6.54E-09	4.41E-07	1.09E-04	0.00E+00	1.73E-08	1.11E-04	1.97E-03	0.00E+00	**2.66E-03**	0.00E+00	0.00E+00	1.09E-04

Maximum Acute Hazard Index 2.66E-03 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

Table D4
Pollutant Concentration Worksheet
Migitated Scenario - Propane Forklifts for Buildings A, C, and D

Source No. (a)	Source (b)	Contaminant (c)	Weight Fraction (d)	Emission Rates[1] (g/s) (e)	AERMOD Output[2] **Annual Avg** ($\mu g/m^3$) (f)	Annual Average MER Concentration ($\mu g/m^3$) (g)	AERMOD Output[2] **1-Hour** ($\mu g/m^3$) (h)	Acute (1-Hour) MER Concentration ($\mu g/m^3$) (i)
Residential Scenario								
3	Forklift Emissions Building A	Acetaldehyde	7.81E-02	1.53E-03	2.239	2.68E-04	509.7	6.11E-02
		Acrolein	7.38E-02			2.53E-04		5.77E-02
		Ammonia	9.30E-02			3.19E-04		7.27E-02
		Benzene	4.43E-02			1.52E-04		3.47E-02
		1,3-Butadiene	1.86E-02			6.39E-05		1.45E-02
		Carbon Tetrachloride	4.96E-04			1.70E-06		3.88E-04
		Chloroform	3.84E-04			1.32E-06		3.01E-04
		1,2-Dichloroethane	3.16E-04			1.09E-06		2.47E-04
		1,2-Dichloropropane	3.66E-04			1.26E-06		2.86E-04
		1,3-Dichloropropene	3.56E-04			1.22E-06		2.79E-04
		Ethylbenzene	6.94E-04			2.38E-06		5.43E-04
		Ethylene Dibromide	5.98E-04			2.05E-06		4.68E-04
		Formaldehyde	5.76E-01			1.98E-03		4.51E-01
		Methanol	8.59E-02			2.95E-04		6.71E-02
		Methylene Chloride	1.16E-03			3.97E-06		9.04E-04
		Naphthalene	2.72E-03			9.36E-06		2.13E-03
		Styrene	3.35E-04			1.15E-06		2.62E-04
		1,1,2,2-Tetrachloroethane	7.10E-04			2.44E-06		5.55E-04
		1,1,2-Trichloroethane	4.28E-04			1.47E-06		3.34E-04
		Toluene	1.57E-02			5.38E-05		1.22E-02
		Vinyl Chloride	2.01E-04			6.92E-07		1.58E-04
		Xylene	5.46E-03			1.87E-05		4.27E-03
	Building C	Acetaldehyde	7.81E-02	1.26E-03	0.723	7.11E-05	284.1	2.79E-02
		Acrolein	7.38E-02			6.71E-05		2.64E-02
		Ammonia	9.30E-02			8.46E-05		3.32E-02
		Benzene	4.43E-02			4.03E-05		1.58E-02
		1,3-Butadiene	1.86E-02			1.69E-05		6.65E-03
		Carbon Tetrachloride	4.96E-04			4.51E-07		1.77E-04
		Chloroform	3.84E-04			3.50E-07		1.37E-04
		1,2-Dichloroethane	3.16E-04			2.88E-07		1.13E-04
		1,2-Dichloropropane	3.66E-04			3.33E-07		1.31E-04
		1,3-Dichloropropene	3.56E-04			3.24E-07		1.27E-04
		Ethylbenzene	6.94E-04			6.32E-07		2.48E-04
		Ethylene Dibromide	5.98E-04			5.44E-07		2.14E-04
		Formaldehyde	5.76E-01			5.24E-04		2.06E-01
		Methanol	8.59E-02			7.81E-05		3.07E-02
		Methylene Chloride	1.16E-03			1.05E-06		4.13E-04
		Naphthalene	2.72E-03			2.48E-06		9.74E-04
		Styrene	3.35E-04			3.05E-07		1.20E-04
		1,1,2,2-Tetrachloroethane	7.10E-04			6.46E-07		2.54E-04
		1,1,2-Trichloroethane	4.28E-04			3.89E-07		1.53E-04
		Toluene	1.57E-02			1.42E-05		5.59E-03
		Vinyl Chloride	2.01E-04			1.83E-07		7.20E-05
		Xylene	5.46E-03			4.96E-06		1.95E-03

Table D4
Pollutant Concentration Worksheet
Migitated Scenario - Propane Forklifts for Buildings A, C, and D

Source No. (a)	Source (b)	Contaminant (c)	Weight Fraction (d)	Emission Rates[1] (g/s) (e)	AERMOD Output[2] **Annual Avg** ($\mu g/m^3$) (f)	Annual Average MER Concentration ($\mu g/m^3$) (g)	AERMOD Output[2] **1-Hour** ($\mu g/m^3$) (h)	Acute (1-Hour) MER Concentration ($\mu g/m^3$) (i)
Residential Scenario								
	Building D	Acetaldehyde	7.81E-02	7.52E-04	1.075	6.31E-05	365.4	2.15E-02
		Acrolein	7.38E-02			5.96E-05		2.03E-02
		Ammonia	9.30E-02			7.51E-05		2.55E-02
		Benzene	4.43E-02			3.58E-05		1.22E-02
		1,3-Butadiene	1.86E-02			1.50E-05		5.11E-03
		Carbon Tetrachloride	4.96E-04			4.01E-07		1.36E-04
		Chloroform	3.84E-04			3.10E-07		1.06E-04
		1,2-Dichloroethane	3.16E-04			2.55E-07		8.68E-05
		1,2-Dichloropropane	3.66E-04			2.95E-07		1.00E-04
		1,3-Dichloropropene	3.56E-04			2.88E-07		9.79E-05
		Ethylbenzene	6.94E-04			5.61E-07		1.91E-04
		Ethylene Dibromide	5.98E-04			4.83E-07		1.64E-04
		Formaldehyde	5.76E-01			4.66E-04		1.58E-01
		Methanol	8.59E-02			6.94E-05		2.36E-02
		Methylene Chloride	1.16E-03			9.34E-07		3.18E-04
		Naphthalene	2.72E-03			2.20E-06		7.48E-04
		Styrene	3.35E-04			2.70E-07		9.19E-05
		1,1,2,2-Tetrachloroethane	7.10E-04			5.73E-07		1.95E-04
		1,1,2-Trichloroethane	4.28E-04			3.46E-07		1.17E-04
		Toluene	1.57E-02			1.26E-05		4.30E-03
		Vinyl Chloride	2.01E-04			1.63E-07		5.53E-05
		Xylene	5.46E-03			4.41E-06		1.50E-03
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 D5
HARP2 Results for Cancer Risk and Chronic Hazards
Mitigated Scenario - Propane Forklifts for Buildings A, C, and D

No.	Source	Contaminant	**Carcinogenic Risks**	Chronic Non-Cancer Risks - Toxicological Endpoints*											
			Residential 30-year [1]	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	**RESP**	SKIN	EYE	BONE	ENDO	BLOOD
			per million												
(a)	(b)	(c)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Unmitigated Truck Health Risks (from Table D2) and Propane Forklift at Bldg E			0.54	5.40E-10	1.42E-08	0.00E+00	3.05E-10	2.77E-09	1.90E-06	2.10E-04	0.00E+00	1.46E-09	0.00E+00	6.50E-11	2.77E-06
3	Forklift - Bldg A	Acetaldehyde	1.7E-09							1.91E-06					
		Acrolein	0.0E+00							7.23E-04					
		Ammonia	0.0E+00							1.60E-06					
		Benzene	9.4E-09												5.07E-05
		1,3-Butadiene	2.4E-08						3.20E-05						
		Carbon Tetrachloride	1.6E-10		4.25E-08			4.25E-08	4.25E-08						
		Chloroform	1.6E-11				4.40E-09	4.40E-09	4.40E-09						
		1,2-Dichloroethane	4.9E-11					2.73E-09							
		1,2-Dichloropropane	4.9E-11												
		1,3-Dichloropropene	4.2E-11												
		Ethylbenzene	1.3E-11				1.19E-09	1.19E-09	1.19E-09					1.19E-09	
		Ethylene Dibromide	3.2E-10						2.56E-06						
		Formaldehyde	2.6E-08							2.20E-04					
		Methanol	0.0E+00						7.38E-08						
		Methylene Chloride	8.6E-12	9.93E-09	9.93E-09										
		Naphthalene	7.0E-10							1.04E-06					
		Styrene	0.0E+00		1.28E-09										
		1,1,2,2-Tetrachloroethane	3.0E-10												
		1,1,2-Trichloroethane	5.2E-11												
		Toluene	0.0E+00		1.79E-07				1.79E-07	1.79E-07					
		Vinyl Chloride	1.2E-10												
		Xylene	0.0E+00		2.67E-08					2.67E-08		2.67E-08			
	Forklift - Bldg C	Acetaldehyde	4.4E-10							5.08E-07					
		Acrolein	0.0E+00							1.92E-04					
		Ammonia	0.0E+00							4.23E-07					
		Benzene	2.5E-09												1.34E-05
		1,3-Butadiene	6.3E-09						8.45E-06						
		Carbon Tetrachloride	4.2E-11		1.13E-08			1.13E-08	1.13E-08						
		Chloroform	4.1E-12				1.17E-09	1.17E-09	1.17E-09						
		1,2-Dichloroethane	1.3E-11					7.20E-10							
		1,2-Dichloropropane	1.3E-11												
		1,3-Dichloropropene	1.1E-11												
		Ethylbenzene	3.4E-12				3.16E-10	3.16E-10	3.16E-10					3.16E-10	
		Ethylene Dibromide	8.4E-11						6.80E-07						
		Formaldehyde	6.8E-09							5.82E-05					
		Methanol	0.0E+00						1.95E-08						
		Methylene Chloride	2.3E-12	2.63E-09	2.63E-09										
		Naphthalene	1.8E-10							2.76E-07					
		Styrene	0.0E+00		3.39E-10										
		1,1,2,2-Tetrachloroethane	8.0E-11												
		1,1,2-Trichloroethane	1.4E-11												
		Toluene	0.0E+00		4.73E-08				4.73E-08	4.73E-08					
		Vinyl Chloride	3.1E-11												
		Xylene	0.0E+00		7.09E-09					7.09E-09		7.09E-09			

Table D5
HARP2 Results for Cancer Risk and Chronic Hazards
Mitigated Scenario - Propane Forklifts for Buildings A, C, and D

No.	Source	Contaminant	**Carcinogenic Risks**	Chronic Non-Cancer Risks - Toxicological Endpoints*											
			Residential 30-year [1]	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	**RESP**	SKIN	EYE	BONE	ENDO	BLOOD
			per million												
(a)	(b)	(c)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
3	Forklift - Bldg D	Acetaldehyde	3.9E-10							4.51E-07					
		Acrolein	0.0E+00							1.70E-04					
		Ammonia	0.0E+00							3.76E-07					
		Benzene	2.2E-09												1.19E-05
		1,3-Butadiene	5.6E-09						7.50E-06						
		Carbon Tetrachloride	3.7E-11		1.00E-08			1.00E-08	1.00E-08						
		Chloroform	3.7E-12				1.03E-09	1.03E-09	1.03E-09						
		1,2-Dichloroethane	1.1E-11					6.38E-10							
		1,2-Dichloropropane	1.2E-11												
		1,3-Dichloropropene	9.8E-12												
		Ethylbenzene	3.0E-12				2.81E-10	2.81E-10	2.81E-10					2.81E-10	
		Ethylene Dibromide	7.5E-11						6.04E-07						
		Formaldehyde	6.1E-09							5.18E-05					
		Methanol	0.0E+00						1.74E-08						
		Methylene Chloride	2.0E-12	2.34E-09	2.34E-09										
		Naphthalene	1.6E-10							2.44E-07					
		Styrene	0.0E+00		3.00E-10										
		1,1,2,2-Tetrachloroethane	7.1E-11												
		1,1,2-Trichloroethane	1.2E-11												
		Toluene	0.0E+00		4.20E-08				4.20E-08	4.20E-08					
		Vinyl Chloride	2.7E-11												
		Xylene	0.0E+00		6.30E-09					6.30E-09		6.30E-09			
		Total	**0.54**	1.54E-08	4.04E-07	0.00E+00	8.69E-09	7.90E-08	5.41E-05	**1.63E-03**	0.00E+00	4.16E-08	0.00E+00	1.85E-09	7.88E-05

Total Cancer Risk	**0.54**	per million
Maximum Chronic Hazard Index	**1.63E-03**	**Resp**

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

	3rd Trimester	0 < 2 years	2 < 16 years	16 < 30 years	age bin
Dose Exposure Factors:	350	350	350	350	exposure frequency (days/year)
	361	1090	745	335	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	14	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 mitigated 70-year and 9-year cancer risks calculated from all emission sources are 0.75 and 0.45 in a million,

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

Table D6
HARP2 Results for Acute Hazards
Mitigated Scenario - Propane Forklifts for Buildings A, C, and D

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)
Health Risks from Propane Forklift at Bldg E (Table D3)			6.54E-09	4.41E-07	1.09E-04	0.00E+00	1.73E-08	1.11E-04	1.97E-03	0.00E+00	2.66E-03	0.00E+00	0.00E+00	1.09E-04
3	Forklift - Bldg A	Acetaldehyde							1.30E-04		1.30E-04			
		Acrolein							2.31E-02		2.31E-02			
		Ammonia							2.27E-05		2.27E-05			
		Benzene			1.29E-03			1.29E-03						1.29E-03
		1,3-Butadiene						2.20E-05						
		Carbon Tetrachloride		2.04E-07			2.04E-07	2.04E-07						
		Chloroform		2.01E-06				2.01E-06	2.01E-06					
		1,2-Dichloroethane												
		1,2-Dichloropropane												
		1,3-Dichloropropene												
		Ethylbenzene												
		Ethylene Dibromide												
		Formaldehyde									8.20E-03			
		Methanol		2.40E-06										
		Methylene Chloride	6.46E-08	6.46E-08										
		Naphthalene												
		Styrene	1.25E-08					1.25E-08	1.25E-08		1.25E-08			
		1,1,2,2-Tetrachloroethane												
		1,1,2-Trichloroethane												
		Toluene		3.30E-07				3.30E-07	3.30E-07		3.30E-07			
		Vinyl Chloride		8.78E-10					8.78E-10		8.78E-10			
		Xylene		1.94E-07					1.94E-07		1.94E-07			
	Forklift - Bldg C	Acetaldehyde							5.94E-05		5.94E-05			
		Acrolein							1.06E-02		1.06E-02			
		Ammonia							1.04E-05		1.04E-05			
		Benzene			5.85E-04			5.85E-04						5.85E-04
		1,3-Butadiene						1.01E-05						
		Carbon Tetrachloride		9.32E-08			9.32E-08	9.32E-08						
		Chloroform		9.13E-07				9.13E-07	9.13E-07					
		1,2-Dichloroethane												
		1,2-Dichloropropane												
		1,3-Dichloropropene												
		Ethylbenzene												
		Ethylene Dibromide												
		Formaldehyde									3.75E-03			
		Methanol		1.10E-06										
		Methylene Chloride	2.95E-08	2.95E-08										
		Naphthalene												
		Styrene	5.71E-09					5.71E-09	5.71E-09		5.71E-09			
		1,1,2,2-Tetrachloroethane												
		1,1,2-Trichloroethane												
		Toluene		1.51E-07				1.51E-07	1.51E-07		1.51E-07			
		Vinyl Chloride		4.00E-10					4.00E-10		4.00E-10			
		Xylene		8.86E-08					8.86E-08		8.86E-08			

Table D6
HARP2 Results for Acute Hazards
Mitigated Scenario - Propane Forklifts for Buildings A, C, and D

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)
3	Forklift - Bldg D	Acetaldehyde							4.57E-05		4.57E-05			
		Acrolein							8.12E-03		8.12E-03			
		Ammonia							7.97E-06		7.97E-06			
		Benzene			4.52E-04			4.52E-04						4.52E-04
		1,3-Butadiene						7.74E-06						
		Carbon Tetrachloride		7.16E-08			7.16E-08	7.16E-08						
		Chloroform		7.07E-07				7.07E-07	7.07E-07					
		1,2-Dichloroethane												
		1,2-Dichloropropane												
		1,3-Dichloropropene												
		Ethylbenzene												
		Ethylene Dibromide												
		Formaldehyde									2.87E-03			
		Methanol		8.43E-07										
		Methylene Chloride	2.27E-08	2.27E-08										
		Naphthalene												
		Styrene	4.38E-09					4.38E-09	4.38E-09		4.38E-09			
		1,1,2,2-Tetrachloroethane												
		1,1,2-Trichloroethane												
		Toluene		1.16E-07				1.16E-07	1.16E-07		1.16E-07			
		Vinyl Chloride		3.07E-10					3.07E-10		3.07E-10			
		Xylene		6.82E-08					6.82E-08		6.82E-08			
		Total	1.46E-07	9.84E-06	2.43E-03	0.00E+00	3.86E-07	2.48E-03	4.40E-02	0.00E+00	**5.95E-02**	0.00E+00	0.00E+00	2.43E-03

Maximum Acute Hazard Index 5.95E-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