Appendix C:
Air Quality Supporting Data/Health Risk Assessment

C.1 - Air Quality Modeling Output

Air Quality Modeling Output
Northwest Airport Way Master Plan
City of Manteca, California

Prepared for:

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July 28, 2010

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Mitigated Emissions (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Construction Phase 1.urb924

Project Name: NW Airport MP Construction Phase 1

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Mitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2012	3.31	31.32	37.87	0.05	2.58	1.23	3.81	0.57	1.12	1.69	7,339.36
Demolition 01/02/2012-01/12/2012	0.03	0.23	0.13	0.00	0.06	0.01	0.07	0.01	0.01	0.02	26.72
Fugitive Dust	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.02	0.19	0.11	0.00	0.00	0.01	0.01	0.00	0.01	0.01	18.60
Demo On Road Diesel	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.55
Demo Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58
Fine Grading 01/13/2012-04/13/2012	0.36	2.98	1.60	0.00	2.29	0.14	2.44	0.48	0.13	0.61	322.52
Fine Grading Dust	0.00	0.00	0.00	0.00	2.29	0.00	2.29	0.48	0.00	0.48	0.00
Fine Grading Off Road Diesel	0.36	2.98	1.52	0.00	0.00	0.14	0.14	0.00	0.13	0.13	313.23
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.29
Building 04/16/2012-05/31/2013	2.92	28.11	36.14	0.05	0.23	1.08	1.31	0.08	0.98	1.06	6,990.12
Building Off Road Diesel	1.02	11.16	4.04	0.00	0.00	0.40	0.40	0.00	0.37	0.37	1,410.84
Building Vendor Trips	1.29	15.91	12.43	0.03	0.12	0.62	0.74	0.04	0.56	0.60	3,425.32
Building Worker Trips	0.62	1.04	19.67	0.02	0.11	0.06	0.17	0.04	0.05	0.09	2,153.96

2013	30.54	15.45	20.11	0.03	0.14	0.61	0.75	0.05	0.56	0.61	4,199.61
Building 04/16/2012-05/31/2013	1.57	14.88	19.50	0.03	0.13	0.58	0.71	0.05	0.53	0.57	4,097.17
Building Off Road Diesel	0.55	6.04	2.28	0.00	0.00	0.22	0.22	0.00	0.20	0.20	826.78
Building Vendor Trips	0.69	8.30	6.71	0.02	0.07	0.32	0.39	0.02	0.29	0.32	2,007.58
Building Worker Trips	0.33	0.55	10.51	0.01	0.06	0.04	0.10	0.02	0.03	0.05	1,262.81
Coating 01/01/2013-05/31/2013	28.86	0.01	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.48
Architectural Coating	28.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.01	0.01	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.48
Asphalt 05/01/2013-05/31/2013	0.08	0.29	0.16	0.00	0.00	0.02	0.02	0.00	0.02	0.02	36.24
Paving Off-Gas	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.03	0.19	0.12	0.00	0.00	0.02	0.02	0.00	0.02	0.02	16.32
Paving On Road Diesel	0.01	0.10	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.45
Paving Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.47
Trenching 06/03/2013-06/28/2013	0.03	0.27	0.15	0.00	0.00	0.01	0.01	0.00	0.01	0.01	31.71
Trenching Off Road Diesel	0.03	0.27	0.14	0.00	0.00	0.01	0.01	0.00	0.01	0.01	30.18
Trenching Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 1/13/2012 - 4/13/2012 - Grading

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

Phase Assumptions

Phase: Demolition 1/2/2012 - 1/12/2012 - Demolition of existing residential units

Building Volume Total (cubic feet): 90000

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Building Volume Daily (cubic feet): 30000
On Road Truck Travel (VMT): 416.67
Off-Road Equipment:
3 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
2 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day

Phase: Fine Grading 1/13/2012 - 4/13/2012 - Grading
Total Acres Disturbed: 124
Maximum Daily Acreage Disturbed: 31
Fugitive Dust Level of Detail: Default
20 lbs per acre-day
On Road Truck Travel (VMT): 0
Off-Road Equipment:
1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
2 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day
1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day
3 Scrapers (313 hp) operating at a 0.72 load factor for 8 hours per day
3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Trenching 6/3/2013 - 6/28/2013 - Trenching for offsite utilities
Off-Road Equipment:
2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
2 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
1 Trenchers (63 hp) operating at a 0.75 load factor for 8 hours per day

Phase: Paving 5/1/2013 - 5/31/2013 - Paving
Acres to be Paved: 30.92
Off-Road Equipment:
1 Pavers (100 hp) operating at a 0.62 load factor for 8 hours per day
2 Paving Equipment (104 hp) operating at a 0.53 load factor for 8 hours per day
2 Rollers (95 hp) operating at a 0.56 load factor for 6 hours per day

Phase: Building Construction 4/16/2012 - 5/31/2013 - Construct buildings

Off-Road Equipment:

4 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day

5 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day

5 Generator Sets (400 hp) operating at a 0.74 load factor for 8 hours per day

3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 1/1/2013 - 5/31/2013 - Painting

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Construction Mitigated Emissions (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Construction Phase 2.urb924

Project Name: NW Airport MP Construction Phase 2

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Mitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2

2018	14.72	8.10	12.50	0.03	1.62	0.34	1.95	0.35	0.31	0.66	3,788.87
Demolition 01/02/2018-01/15/2018	0.02	0.18	0.12	0.00	0.13	0.01	0.13	0.03	0.01	0.03	38.08
Fugitive Dust	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00
Demo Off Road Diesel	0.02	0.13	0.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	20.66
Demo On Road Diesel	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.78
Demo Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64
Fine Grading 01/02/2018-02/28/2018	0.12	0.91	0.63	0.00	1.37	0.04	1.41	0.29	0.04	0.32	168.72
Fine Grading Dust	0.00	0.00	0.00	0.00	1.37	0.00	1.37	0.29	0.00	0.29	0.00
Fine Grading Off Road Diesel	0.12	0.87	0.59	0.00	0.00	0.04	0.04	0.00	0.03	0.03	148.97
Fine Grading On Road Diesel	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.91
Fine Grading Worker Trips	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.84
Building 03/01/2018-12/14/2018	0.89	6.94	11.61	0.03	0.12	0.29	0.41	0.04	0.26	0.30	3,550.81
Building Off Road Diesel	0.32	2.69	1.59	0.00	0.00	0.10	0.10	0.00	0.09	0.09	607.37
Building Vendor Trips	0.39	3.95	4.02	0.02	0.07	0.16	0.22	0.02	0.14	0.17	1,806.41
Building Worker Trips	0.17	0.29	6.00	0.01	0.06	0.03	0.09	0.02	0.02	0.04	1,137.02
Coating 10/15/2018-12/14/2018	13.67	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.35
Architectural Coating	13.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.35
Asphalt 12/03/2018-12/14/2018	0.03	0.08	0.06	0.00	0.00	0.01	0.01	0.00	0.00	0.00	14.91
Paving Off-Gas	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.01	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.36
Paving On Road Diesel	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.91
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 1/2/2018 - 2/28/2018 - Grading

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:
PM10: 55% PM25: 55%
For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:
PM10: 69% PM25: 69%
For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:
PM10: 55% PM25: 55%

Phase Assumptions

Phase: Demolition 1/2/2018 - 1/15/2018 - Demolition of cheese factory and ponds
Building Volume Total (cubic feet): 600000
Building Volume Daily (cubic feet): 60000
On Road Truck Travel (VMT): 833.33
Off-Road Equipment:
3 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
2 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day

Phase: Fine Grading 1/2/2018 - 2/28/2018 - Grading
Total Acres Disturbed: 114
Maximum Daily Acreage Disturbed: 29
Fugitive Dust Level of Detail: Default
20 lbs per acre-day
On Road Truck Travel (VMT): 176.36
Off-Road Equipment:
1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day
1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day
2 Scrapers (313 hp) operating at a 0.72 load factor for 8 hours per day
3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day
1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 12/3/2018 - 12/14/2018 - Paving
Acres to be Paved: 13.25
Off-Road Equipment:
1 Pavers (100 hp) operating at a 0.62 load factor for 8 hours per day
2 Paving Equipment (104 hp) operating at a 0.53 load factor for 6 hours per day

2 Rollers (95 hp) operating at a 0.56 load factor for 6 hours per day

Phase: Building Construction 3/1/2018 - 12/14/2018 - Construct 1275620 sf buildings

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 7 hours per day

2 Generator Sets (400 hp) operating at a 0.74 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 10/15/2018 - 12/14/2018 - Painting

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

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Detail Report for Annual Construction Mitigated Emissions (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Construction Phase 3.urb924

Project Name: NW Airport MP Construction Phase 3

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Annual Tons Per Year, Mitigated)

	ROG	NOx	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2023	7.61	1.46	2.33	0.01	0.42	0.07	0.49	0.09	0.06	0.15	929.51
Fine Grading 01/02/2023-01/31/2023	0.03	0.20	0.21	0.00	0.39	0.01	0.40	0.08	0.01	0.09	44.23
Fine Grading Dust	0.00	0.00	0.00	0.00	0.39	0.00	0.39	0.08	0.00	0.08	0.00
Fine Grading Off Road Diesel	0.03	0.20	0.20	0.00	0.00	0.01	0.01	0.00	0.01	0.01	42.25
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.97
Building 02/01/2023-06/30/2023	0.17	1.20	2.05	0.01	0.03	0.06	0.08	0.01	0.05	0.06	865.03
Building Off Road Diesel	0.10	0.73	0.58	0.00	0.00	0.03	0.03	0.00	0.03	0.03	191.58
Building Vendor Trips	0.05	0.43	0.56	0.00	0.01	0.02	0.03	0.00	0.02	0.02	375.51
Building Worker Trips	0.02	0.04	0.91	0.00	0.01	0.01	0.02	0.01	0.01	0.01	297.94
Coating 06/01/2023-06/30/2023	7.39	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.84
Architectural Coating	7.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.84
Asphalt 06/19/2023-06/30/2023	0.02	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.41
Paving Off-Gas	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.01	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.66
Paving On Road Diesel	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.73
Paving Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.03

Construction Related Mitigation Measures

The following mitigation measures apply to Phase: Fine Grading 1/2/2023 - 1/31/2023 - Grading

For Soil Stablizing Measures, the Apply soil stabilizers to inactive areas mitigation reduces emissions by:

PM10: 84% PM25: 84%

For Soil Stablizing Measures, the Water exposed surfaces 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

For Soil Stablizing Measures, the Equipment loading/unloading mitigation reduces emissions by:

PM10: 69% PM25: 69%

For Unpaved Roads Measures, the Manage haul road dust 2x daily watering mitigation reduces emissions by:

PM10: 55% PM25: 55%

Phase Assumptions

Phase: Fine Grading 1/2/2023 - 1/31/2023 - Grading

Total Acres Disturbed: 63

Maximum Daily Acreage Disturbed: 16

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day

1 Graders (174 hp) operating at a 0.61 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 8 hours per day

3 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 6/19/2023 - 6/30/2023 - Paving

Acres to be Paved: 7.92

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

2 Paving Equipment (104 hp) operating at a 0.53 load factor for 6 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

Phase: Building Construction 2/1/2023 - 6/30/2023 - Construct buildings

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Generator Sets (400 hp) operating at a 0.74 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Phase: Architectural Coating 6/1/2023 - 6/30/2023 - Painting

Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Residential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 130

Rule: Nonresidential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

Rule: Nonresidential Exterior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 250

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 1 2014.urb924

Project Name: NW Airport Master Plan - CenterPoint Operation 2014

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.15	0.12	0.00	0.00	0.00	176.38
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	2.88						
TOTALS (tons/year, unmitigated)	2.90	0.15	0.26	0.00	0.00	0.00	176.63

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Warehouse	26.72	308.63	265.00	0.86	55.54	17.51	92,156.21
TOTALS (tons/year, unmitigated)	26.72	308.63	265.00	0.86	55.54	17.51	92,156.21

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2014 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Warehouse		1.12	1000 sq ft	2,693.48	3,016.70	301,669.76
					3,016.70	301,669.76

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	22.8	0.5	99.3	0.2
Light Truck < 3750 lbs	6.5	1.7	93.3	5.0
Light Truck 3751-5750 lbs	11.3	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.4	0.8	99.2	0.0
Lite-Heavy Truck 8501-10,000 lbs	11.0	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	11.0	0.0	44.4	55.6

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med-Heavy Truck 14,001-33,000 lbs	15.4	0.0	15.4	84.6
Heavy-Heavy Truck 33,001-60,000 lbs	15.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.0	51.3	48.7	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	100.0	100.0	100.0	100.0	100.0	100.0
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	45.0	45.0	45.0	45.0	45.0	45.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Warehouse				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 1 2018.urb924

Project Name: NW Airport Master Plan - Operation CenterPoint 2018

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.15	0.12	0.00	0.00	0.00	176.38
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	2.88						
TOTALS (tons/year, unmitigated)	2.90	0.15	0.26	0.00	0.00	0.00	176.63

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Warehouse	20.03	191.21	196.81	0.86	52.57	14.77	92,136.47
TOTALS (tons/year, unmitigated)	20.03	191.21	196.81	0.86	52.57	14.77	92,136.47

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2018 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Warehouse		1.12	1000 sq ft	2,693.48	3,016.70	301,669.76
					3,016.70	301,669.76

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	22.8	0.5	99.3	0.2
Light Truck < 3750 lbs	6.5	1.7	93.3	5.0
Light Truck 3751-5750 lbs	11.3	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.4	0.8	99.2	0.0
Lite-Heavy Truck 8501-10,000 lbs	11.0	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	11.0	0.0	44.4	55.6

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med-Heavy Truck 14,001-33,000 lbs	15.4	0.0	15.4	84.6
Heavy-Heavy Truck 33,001-60,000 lbs	15.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.0	51.3	48.7	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	100.0	100.0	100.0	100.0	100.0	100.0
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	45.0	45.0	45.0	45.0	45.0	45.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Warehouse				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 1 2019.urb924

Project Name: NW Airport Master Plan - Operation CenterPoint 2019

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.15	0.12	0.00	0.00	0.00	176.38
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	2.88						
TOTALS (tons/year, unmitigated)	2.90	0.15	0.26	0.00	0.00	0.00	176.63

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Warehouse	18.30	170.26	180.88	0.86	52.03	14.28	92,133.85
TOTALS (tons/year, unmitigated)	18.30	170.26	180.88	0.86	52.03	14.28	92,133.85

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2019 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Warehouse		1.12	1000 sq ft	2,693.48	3,016.70	301,669.76
					3,016.70	301,669.76

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	22.8	0.5	99.3	0.2
Light Truck < 3750 lbs	6.5	1.7	93.3	5.0
Light Truck 3751-5750 lbs	11.3	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.4	0.8	99.2	0.0
Lite-Heavy Truck 8501-10,000 lbs	11.0	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	11.0	0.0	44.4	55.6

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med-Heavy Truck 14,001-33,000 lbs	15.4	0.0	15.4	84.6
Heavy-Heavy Truck 33,001-60,000 lbs	15.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.0	51.3	48.7	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	100.0	100.0	100.0	100.0	100.0	100.0
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	45.0	45.0	45.0	45.0	45.0	45.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Warehouse				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 1 2025.urb924

Project Name: NW Airport Master Plan - Operation CenterPoint 2025

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.15	0.12	0.00	0.00	0.00	176.38
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	2.88						
TOTALS (tons/year, unmitigated)	2.90	0.15	0.26	0.00	0.00	0.00	176.63

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Warehouse	11.81	98.27	113.07	0.86	50.35	12.73	91,970.24
TOTALS (tons/year, unmitigated)	11.81	98.27	113.07	0.86	50.35	12.73	91,970.24

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2025 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Warehouse		1.12	1000 sq ft	2,693.48	3,016.70	301,669.76
					3,016.70	301,669.76

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	22.8	0.5	99.3	0.2
Light Truck < 3750 lbs	6.5	1.7	93.3	5.0
Light Truck 3751-5750 lbs	11.3	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.4	0.8	99.2	0.0
Lite-Heavy Truck 8501-10,000 lbs	11.0	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	11.0	0.0	44.4	55.6

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med-Heavy Truck 14,001-33,000 lbs	15.4	0.0	15.4	84.6
Heavy-Heavy Truck 33,001-60,000 lbs	15.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.0	51.3	48.7	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	100.0	100.0	100.0	100.0	100.0	100.0
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	45.0	45.0	45.0	45.0	45.0	45.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Warehouse				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 2 2019.urb924

Project Name: NW Airport Way MP Operation Other 2019

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.03	0.37	0.31	0.00	0.00	0.00	445.90
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.03	0.01	0.42	0.00	0.00	0.00	0.76
Consumer Products	0.00						
Architectural Coatings	1.36						
TOTALS (tons/year, unmitigated)	1.42	0.38	0.73	0.00	0.00	0.00	446.66

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Warehouse	2.76	20.01	25.73	0.11	7.44	1.94	11,889.65
General light industry	2.15	18.09	23.80	0.10	6.72	1.76	10,760.01
Auto/Truck Parts/Service	1.69	14.86	19.10	0.08	5.52	1.44	8,826.94
TOTALS (tons/year, unmitigated)	6.60	52.96	68.63	0.29	19.68	5.14	31,476.60

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2019 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Warehouse		1.44	1000 sq ft	1,020.50	1,469.52	44,085.60
General light industry		6.94	1000 sq ft	191.30	1,327.62	39,828.66
Auto/Truck Parts/Service		17.10	1000 sq ft	63.80	1,090.98	32,729.40
					3,888.12	116,643.66

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	30.0	0.0	100.0	0.0
Light Truck < 3750 lbs	8.5	0.0	96.7	3.3

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck 3751-5750 lbs	14.9	0.0	100.0	0.0
Med Truck 5751-8500 lbs	8.4	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	8.4	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	7.5	0.0	44.4	55.6
Med-Heavy Truck 14,001-33,000 lbs	7.0	0.0	15.4	84.6
Heavy-Heavy Truck 33,001-60,000 lbs	15.3	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.0	41.0	59.0	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	30.0	30.0	30.0	30.0	30.0	30.0
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	45.0	45.0	45.0	45.0	45.0	45.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Warehouse				2.0	1.0	97.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
General light industry				50.0	25.0	25.0
Auto/Truck Parts/Service				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 2 2025.urb924

Project Name: NW Airport Way MP Operation Other 2025

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.03	0.37	0.31	0.00	0.00	0.00	445.90
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.03	0.01	0.42	0.00	0.00	0.00	0.76
Consumer Products	0.00						
Architectural Coatings	1.36						
TOTALS (tons/year, unmitigated)	1.42	0.38	0.73	0.00	0.00	0.00	446.66

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Warehouse	1.97	11.73	17.93	0.11	7.23	1.75	11,886.97
General light industry	1.52	10.61	16.59	0.10	6.53	1.58	10,757.51
Auto/Truck Parts/Service	1.19	8.71	13.31	0.08	5.37	1.30	8,824.95
TOTALS (tons/year, unmitigated)	4.68	31.05	47.83	0.29	19.13	4.63	31,469.43

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2025 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Warehouse		1.44	1000 sq ft	1,020.50	1,469.52	44,085.60
General light industry		6.94	1000 sq ft	191.30	1,327.62	39,828.66
Auto/Truck Parts/Service		17.10	1000 sq ft	63.80	1,090.98	32,729.40
					3,888.12	116,643.66

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	30.0	0.0	100.0	0.0
Light Truck < 3750 lbs	8.5	0.0	96.7	3.3

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck 3751-5750 lbs	14.9	0.0	100.0	0.0
Med Truck 5751-8500 lbs	8.4	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	8.4	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	7.5	0.0	44.4	55.6
Med-Heavy Truck 14,001-33,000 lbs	7.0	0.0	15.4	84.6
Heavy-Heavy Truck 33,001-60,000 lbs	15.3	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.0	41.0	59.0	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	30.0	30.0	30.0	30.0	30.0	30.0
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	45.0	45.0	45.0	45.0	45.0	45.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Warehouse				2.0	1.0	97.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
General light industry				50.0	25.0	25.0
Auto/Truck Parts/Service				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 3 Industrial 2025.urb924

Project Name: NW Airport MP - Operation Phase 3 Industrial 2025

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.01	0.15	0.12	0.00	0.00	0.00	176.38
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	0.52						
TOTALS (tons/year, unmitigated)	0.54	0.15	0.26	0.00	0.00	0.00	176.63

Area Source Changes to Defaults

7/28/2010 11:00:04 AM

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
General light industry	2.13	17.66	20.48	0.15	9.04	2.29	16,525.46
TOTALS (tons/year, unmitigated)	2.13	17.66	20.48	0.15	9.04	2.29	16,525.46

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2025 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
General light industry		1.12	1000 sq ft	483.77	541.82	54,182.24
					541.82	54,182.24

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	22.8	0.5	99.3	0.2
Light Truck < 3750 lbs	6.5	1.7	93.3	5.0
Light Truck 3751-5750 lbs	11.3	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.4	0.8	99.2	0.0
Lite-Heavy Truck 8501-10,000 lbs	11.0	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	11.0	0.0	44.4	55.6

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med-Heavy Truck 14,001-33,000 lbs	15.4	0.0	15.4	84.6
Heavy-Heavy Truck 33,001-60,000 lbs	15.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.0	51.3	48.7	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	100.0	100.0	100.0	100.0	100.0	100.0
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	45.0	45.0	45.0	45.0	45.0	45.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
General light industry				50.0	25.0	25.0

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 3 Retail 2025.urb924

Project Name: NW Airport Way MP - Operation - Retail

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOx	CO	SO2	PM10	PM2.5	CO2
Natural Gas	0.03	0.36	0.31	0.00	0.00	0.00	435.72
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	0.22						
TOTALS (tons/year, unmitigated)	0.26	0.36	0.45	0.00	0.00	0.00	435.97

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Regnl shop. center	2.77	2.51	28.63	0.07	6.71	1.44	7,600.03
TOTALS (tons/year, unmitigated)	2.77	2.51	28.63	0.07	6.71	1.44	7,600.03

Operational Settings:

Includes correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2025 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Regnl shop. center		52.75	1000 sq ft	205.82	10,857.01	43,303.42
					10,857.01	43,303.42

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	47.5	0.0	100.0	0.0
Light Truck < 3750 lbs	13.5	0.0	98.3	1.7
Light Truck 3751-5750 lbs	23.6	0.0	100.0	0.0
Med Truck 5751-8500 lbs	13.3	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.8	0.0	79.2	20.8
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	55.6	44.4

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med-Heavy Truck 14,001-33,000 lbs	0.4	0.0	23.1	76.9
Heavy-Heavy Truck 33,001-60,000 lbs	0.2	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.1	35.9	64.1	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Regnl shop. center				2.0	1.0	97.0

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Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\MBA\Client\24820003 Northwest Airport Way Master Plan\Modeling\NWAirport Operation Phase 1 and Phase 3 Industrial 2025 Business as Usual.urb924

Project Name: NW Airport - 2025 Phase 1 and 3 Business as Usual

Project Location: San Joaquin Valley APCD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	CO2
Warehouse	134,642.37
TOTALS (tons/year, unmitigated)	134,642.37

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2025 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Warehouse		1.39	1000 sq ft	3,177.25	4,416.38	441,637.75
					4,416.38	441,637.75

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	22.8	0.5	99.3	0.2

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Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Truck < 3750 lbs	6.5	1.7	93.3	5.0
Light Truck 3751-5750 lbs	11.3	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.4	0.8	99.2	0.0
Lite-Heavy Truck 8501-10,000 lbs	11.0	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	11.0	0.0	44.4	55.6
Med-Heavy Truck 14,001-33,000 lbs	15.4	0.0	15.4	84.6
Heavy-Heavy Truck 33,001-60,000 lbs	15.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	0.0	51.3	48.7	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	0.0	90.0	10.0

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	100.0	100.0	100.0	100.0	100.0	100.0
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	45.0	45.0	45.0	45.0	45.0	45.0
% of Trips - Residential	32.9	18.0	49.1			

% of Trips - Commercial (by land use)

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Warehouse				2.0	1.0	97.0

Operational Changes to Defaults

Home-based work average speed changed from 35 mph to 45 mph

Home-based work urban trip length changed from 10.8 miles to 100 miles

Home-based shop average speed changed from 35 mph to 45 mph

Home-based shop urban trip length changed from 7.3 miles to 100 miles

Home-based other average speed changed from 35 mph to 45 mph

Home-based other urban trip length changed from 7.5 miles to 100 miles

Commercial-based commute average speed changed from 35 mph to 45 mph

Commercial-based commute urban trip length changed from 9.5 miles to 100 miles

Commercial-based non-work average speed changed from 35 mph to 45 mph

Commercial-based non-work urban trip length changed from 7.35 miles to 100 miles

Commercial-based customer average speed changed from 35 mph to 45 mph

Commercial-based customer urban trip length changed from 7.35 miles to 100 miles

Rail Assumptions

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates
Prepared on: 21-Jul-10

Estimation of Emission Factors

Source: Port of Long Beach Air Emission Inventory 2007 - Starcrest 2009

Total Off-port Line haul Operations: 93 million horsepower-hours/year

Off-port Line Haul Annual Emissions

	PM10	PM2.5	NOx	CO	SOx	VOC
Tons/yr	28.7	25.3	739.3	124.2	29.1	41.8
grams/yr	26059600	22972400	671284400	112773600	26422800	3.8E+07

Emission Factors

	PM10	PM2.5	NOx	CO	SOx	VOC	CO2	N2O	CH4
g/hp-hr	0.280	0.247	7.218	1.213	0.284	0.408	487	0.013	0.04

Line Haul Operational Data

Notch	Power In Notch (hp)	Fuel Use (#/hr)	Line Haul Weighting	Line Haul Weighted Power (hp)
Brake	84	170	0.125	1110
Idle	16	32	0.38	
1	200	78	0.065	
2	456	172	0.065	
3	940	384	0.052	
4	1372	526	0.044	
5	1924	756	0.038	
6	2572	967	0.039	
7	3464	1180	0.03	
8	4100	1415	0.162	

Offsite Rail Emissions

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates
Prepared on: 21-Jul-10
Year of analysis: 2024 (Buildout)

Assumptions		
Trains per week	2	
Mileage per train	100	miles
Speed of train	18	miles/hour
Hours in operation	5.6	hours/train
Trips per year	104	trips
Locomotive units/train	4	
Duty cycle weighted power	1110	hp/locomotive unit

Pollutant	Fleet Average Emission Factor (g/hp-hr)	Emissions (g/trip)	Total Emissions (lbs/day)	Emissions (tons/year)	Emissions (MTCO2e/year)
Carbon Dioxide	487	12012667	26460	1379	1251
Methane	0.04	987	2	0.11	2
Nitrous Oxide	0.013	321	1	0.04	10
ROG	0.41	10067	22	1.16	
NOx	7.2	178047	392	20.43	
PM10	0.28	6912	15	0.79	
PM2.5	0.25	6093	13	0.70	
CO	1.21	29911	66	3.43	
SOx	0.28	7008	15	0.80	

Onsite Rail Emissions

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates
Prepared on: 21-Jul-10
Year of analysis: 2024 (Buildout)

Rail Emissions associated with CIC Portion

Locomotive Class:	Switcher	
Number of Locomotives:	1	
Locomotive Schedule:	2	days per week
	3	hours per day
	6	hours per week
	312	hours per year
Notch setting:	2	
Horsepower while at notch setting 2:	249	hp

Pollutant	Fleet Average Emission Factor (g/hp-hr)	Grams per hour	Tons per year	MTCO2e/ year
Carbon Dioxide	487	121263	41.67	37.8
Methane	0.04	10	0.003	0.1
Nitrous Oxide	0.013	3	0.001	0.3
ROG	0.41	102	0.03	
NOx	7.2	1797	0.62	
PM10	0.280	70	0.02	
PM2.5	0.247	62	0.02	
CO	1.213	302	0.10	
SOx	0.284	71	0.02	

References: USEPA, 2009. Emission Factors for Locomotives. EPA-420-F-09-025
Starcrest 2009. Port of Long Beach 2007 Air Emission Inventory

Summary of Operational Greenhouse Gases
Business as Usual

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates
Prepared on: 21-Jul-10
Year of analysis: 2024 (Buildout)

	Emissions (tons per year)				
Source	**Carbon Dioxide**	**Nitrous Oxide**	**Methane**	**Other**	**Metric Tons CO2e**
Motor vehicles - CIC	134,642	*	*	*	128,255
Motor vehicles - other	31,469	*	*	*	29,976
Motor vehicles - retail	7,600	*	*	*	7,239
Onsite rail	42	0.001	0.003	0	38
Natural gas	1,058	0.04	1.90	0	1,007
Indirect electricity	26,483	0.30	1.10	0.0	24,130
Water transport	430	0.00	0.02	0.0	392
Waste					1,496
Refrigerants				8.73	12,068
Total	201,724	0.34	3.02	8.73	204,600
Total	183,004	0.31	2.74	7.92	metric tons per year
GWP	1	310	21	varies	
Total	183,004	96	58	12,068	MTCO2E per year
Total	0.1830	0.0001	0.0001	0.0121	MMTCO2E per year

Total - all gases 204,600 MTCO2e per year
0.2046 MMTCO2e per year

Last updated 4/14/10

Notes:

Emissions converted from tons per year to metric tons of carbon dioxide equivalents (MTCO2e) per year by using the formula: (tons of gas) x (global warming potential) x (0.9072 metric tons)

Emissions converted to million metric tons of carbon dioxide equivalents (MMTCO2E) using the formula: MMTCO2e = (metric tons of gas) / (1,000,000).

* Motor vehicle carbon dioxide and natural gas carbon dioxide values are from the URBEMIS2007 output. MTCO2e for motor vehicles is estimated by adding 5% of emissions, to be consistent with the Bay Area Air Quality Management District's Greenhouse Gas Model (BGM) to account for methane, nitrous oxide, and hydrofluorocarbons.

Waste is generated by the US EPA WARM model; the model output is included herein.

Electricity - Indirect Emissions

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates
Prepared on: 7/21/2010

Land Use	square feet (sf)	Electricity Use (kWh/sf-year)	Electricity Use (kWh/year)
All buildings	4658941	15.7	73145373.7
			0
			0
			0
Total (kWh/year)			**73145373.7**
Total (MWh/year)			**73145**

Greenhouse Gas	Emission Factor (pounds per MWh)	Emissions (pounds/year)	Emissions (tons/year)
Carbon dioxide	724.12	52,966,028	26,483
Methane	0.0302	2209	1.10
Nitrous oxide	0.0081	592	0.30

Emission factor source: California Climate Action Registry. General Reporting Protocol. Reporting Entity-Wide Greenhouse Gas Emissions. Version 3.1, January 2009. Table C.2 www.climateregistry.org/resources/docs/protocols/grp/GRP_3.1_January2009.pdf

Electricity generation is from the project EIR, the Public Services and Utilities section.

Water Conveyance, Treatment, Distribution

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates
Prepared on: 7/21/2010

	kWh per million gallons	
Electricity Requirements	**Northern California**	**Southern California**
Water Supply, Conveyance	2,117	9,727
Water Treatment	111	111
Water Distribution	1,272	1,272
Wastewater Treatment	1,911	1,911
Total	*5,411*	*13,021*

Project

Water Usage	249910	gallons per day
Water Usage	91.21715	million gallons per year
Energy Usage	1,187,739	kWh
Energy Usage	1,188	MWh

Greenhouse Gas	Electricity Emission Factor (pounds per MWh)	Emissions (pounds/year)	Emissions (tons/year)
Carbon dioxide	724.12	860,065	430
Methane	0.0302	35.87	0.018
Nitrous oxide	0.0081	9.62	0.005

Source for electricity emission factor:
California Climate Action Registry. General Reporting Protocol. Reporting Entity-Wide Greenhouse Gas Emissions. Version 3.1, January 2009. Table C.2.
www.climateregistry.org/resources/docs/protocols/grp/GRP_3.1_January2009.pdf

Source for electricity requirements:
Navigant Consulting, Inc. 2006. Refining Estimates of Water-Related Energy Use in California. California Energy Commission, PIER Industrial/Agricultural/Water End Use Energy Efficiency Program. CEC-500-2006-118. www.energy.ca.gov/pier/project_reports/CEC-500-2006-118.html

Source of water demand: Project EIR, Public Services and Utilities, Section 3.11

Natural Gas Combustion

Northwest Airport Way Master Plan
Prepared by Michael Brandman Associates
7/21/2010

Gas	Square Feet	Natural Gas Usage Factor (cubic feet/square foot)	Annual Natural Gas Usage (cubic feet)	Natural Gas Usage for Project (MMBTU/year)	Emission Factor (kg/MMBTU)**	Emissions (kg/year)	Emissions (tons/year)	Emissions (MTCO2e/year)
Methane	4658941	58.3	271616260	344953	0.005	1724.8	1.897	36.14
Total Methane				*344953*		*1724.8*	*1.897*	*36.14*
Nitrous Oxide	4658941		271616260	344953	0.0001	34.5	0.0379	10.67
Total Nitrous Oxide				*344953*		*34.5*	*0.0379*	*10.67*

Greenhouse Gas	Global Warming Potentials
Methane	21
Nitrous Oxide	310

* Natural gas usage factor: From the project EIR, Public Services and Utilities section

** Emission factors: Table C.8 from California Climate Action Registry, General Reporting Protocol. Version 3.1, January 2009. www.climateregistry.org/tools/protocols/general-reporting-protocol.html

1 cubic foot of natual gas = 1027 BTU or 0.001027 MMBTU (www.eia.doe.gov/kids/energy.cfm?page=about_energy_conversion_calculator-basics#natgascalc)

Air Conditioning and Refrigeration Fugitive Emissions

Project: Northwest Airport Way Master Plan
Prepared on: 7/21/2010

Type of Unit	Units	Capacity of Unit (pounds)	Capacity of Unit (kg)	Annual Leak Rate in percent of capacity	Emissions (kg/year)	Emissions (tons/year)	Global Warming Potential	MTCO2e per year
Without Regulations								
Small Refrigeration Condensing Unit	20	122	55	14%	155	0.17	2065	319
Packaged chiller air conditioning (medium)	465.9	526	239	7%	7781	8.56	1513	11,748
Total						**8.73**		**12,068**
With Regulation and Mitigation								
Small Refrigeration Condensing Unit	20	122	55	5%	55	0.06	2065	114
Packaged chiller air conditioning (medium)	465.9	526	239	4%	3891	4.28	1513	5,874
Total						**4.34**		**5,988**

Reduction: 6,079
Percent Reduction: 50%

Sources:
- U.S. Environmental Protection Agency, Climate Leaders. May 2008. Direct HFC and PFC Emissions from Use of Refrigeration and Air Conditioning Equipment. EPA430-K-03-004. http://www.epa.gov/stateply/documents/resources/mfgrfg.pdf
- California Air Resources Board. Appendix B, California Facilities and Greenhouse Gas Emissions Inventory - High-Global Warming Potential Stationary Source Refrigerant Management Program. www.arb.ca.gov/cc/reftrack/APPENDIX_B_10_22_.pdf
- Global warming potential is an average of the refrigerants used. Source: Bay Area Air Quality Management District Greenhouse Gas Model, version 1.1.9 Beta.
- With regulation refers to a change in the annual leak rate pursuant to California Air Resources Board Stationary Equipment Refrigerant Management Program. http://www.arb.ca.gov/cc/reftrack/reftrack.htm
- Data regarding the amount of air conditioning to be used for the Master Plan is unknown at this time. Warehouses in Ontario, California were reviewed using Google Earth. In general, some warehouses do not have rooftop air conditioning units. Some warehouses only had rooftop units above what were likely the offices. Those with air conditioning units have around one unit per 5,000 to 10,000 square feet. Therefore, it is assumed for purposes of this analysis that there would be one air conditioning unit per 10,000 square feet.
- It is assumed that some of the retail buildings (i.e., restaurants) may have refrigerators. Some of the warehouses may have refrigerators as well.

Operational Waste: Buildout

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates

Waste (tons per year) **11187**

EPA Waste Reduction Model (WARM) Inputs

Material	% Generated	Tons Generated
Aluminum Cans	0.1%	11.2
Steel Cans	0.2%	22.4
Copper Wire		0.0
Glass	0.7%	78.3
HDPE		0.0
LDPE		0.0
PET		0.0
Corrugated Cardboard	9.7%	1085.1
Magazines/Third-class Mail	0.8%	89.5
Newspaper	0.9%	100.7
Office Paper		0.0
Phonebooks		0.0
Textbooks		0.0
Dimensional Lumber	30.5%	3412.0
Medium-density Fiberboard	2.9%	324.4
Food Scraps	2.7%	302.0
Yard Trimmings	0.8%	89.5
Grass		0.0
Leaves		0.0
Branches		0.0
Mixed Paper (general)	13.3%	1487.9
Mixed Paper (primarily residential)		0.0
Mixed Paper (primarily from offices)	1.6%	179.0
Mixed Metals	11.1%	1241.8
Mixed Plastics	9.9%	1107.5
Mixed Recyclables		0.0
Mixed Organics		0.0
Mixed MSW	13.0%	1454.3
Carpet	0.1%	11.2
Personal Computers		0.0
Clay Bricks		0.0
Concrete		0.0
Fly Ash	0.3%	33.6
Tires	1.8%	201.4
Total	100%	11,232

- WARM - U.S. Environmental Protection Agency. November 2009. Waste Reduction Model. www.epa.gov/climatechange/wycd/waste/calculators/Warm_home.html
- Waste generation from the project EIR, Public Services and Utilities, section 3.11
- Waste Generation Percentages: Project information and Table 6 (Durable Wholesale Distributors) from California Integrated Watse Management Board, prepared by Cascadia Consulting Group. Targeted Statewide Waste Characterization Study: Waste Disposal and Diversion Findings for Selected Industry Groups. June 2006. www.ciwmb.ca.gov/Publications/LocalAsst/Extracts/34106006/Tables.pdf
- The alternative management scenario accounts for recycling of waste pursuant to mitigation, and is assumed to be 25% of cardboard, magazines, newspaper, lumber, fiberboard, mixed paper, and mixed plastics.

Construction Waste

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates

Waste (tons) **17975**

EPA Waste Reduction Model (WARM) Inputs

Material	% Generated	Tons Generated
Aluminum Cans		0.0
Steel Cans		0.0
Copper Wire		0.0
Glass		0.0
HDPE		0.0
LDPE		0.0
PET		0.0
Corrugated Cardboard	5%	898.8
Magazines/Third-class Mail		0.0
Newspaper		0.0
Office Paper		0.0
Phonebooks		0.0
Textbooks		0.0
Dimensional Lumber	20%	3595.0
Medium-density Fiberboard	20%	3595.0
Food Scraps		0.0
Yard Trimmings	10%	1797.5
Grass		0.0
Leaves		0.0
Branches		0.0
Mixed Paper (general)		0.0
Mixed Paper (primarily residential)		0.0
Mixed Paper (primarily from offices)		0.0
Mixed Metals	5%	898.8
Mixed Plastics	5%	898.8
Mixed Recyclables		0.0
Mixed Organics		0.0
Mixed MSW	15%	2696.3
Carpet		0.0
Personal Computers		0.0
Clay Bricks		0.0
Concrete	20%	3595.0
Fly Ash		0.0
Tires		0.0
Total	100%	17,975

WARM - U.S. Environmental Protection Agency. November 2009. Waste Reduction Model. www.epa.gov/climatechange/wycd/waste/calculators/Warm_home.html

Waste generation from the project EIR, Public Services and Utilities, section 3.11

Waste Generation Percentages: Estimated using project information

For the alternative scenario in the WARM model, it was assumed that 50% of all categories of waste except for yard trimmings and municipal solid waste (MSW) would be recycled pursuant to mitigation.

Vehicle Fleet

Project: Northwest Airport Way Master Plan
Prepared by: Michael Brandman Associates
Prepared on: 7/22/2010

Vehicle Fleet

This summary is from information from the Health Risk Assesssment
prepared by Michael Brandman Associates, 2010
Estimates are for buildout (assumed to be year 2024)

CenterPoint Daily Trips

Vehicle Type	High Cube	Light Industrial	Combined Daily Trips	%
LDA (Passenger Car)	649	164	813	22.8
LDT1	185	47	232	6.5
LDT2	323	82	405	11.3
MDT	182	46	228	6.4
LHDT1 (2 axle truck)	331	63	394	11.0
LHDT2	331	63	394	11.0
MHDT (3 axle truck)	480	68	548	15.4
HHDT (4+ axle truck)	368	188	556	15.6
SubTotal	**2849**	**721**	**3570**	**100.0**

Remainder of Master Plan Daily Trips

Vehicle Type	Light Industrial	Auto/Truck Parts	Ind/Auto Combined	%	Retail	Retal %
LDA (Passenger Car)	272	381	653	30.0	4400	47.5
LDT1	77	108	185	8.5	1252	13.5
LDT2	135	189	324	14.9	2186	23.6
MDT	76	107	183	8.4	1234	13.3
LHDT1 (2 axle truck)	104	79	183	8.4	74	0.8
LHDT2	104	59	163	7.5	56	0.6
MHDT (3 axle truck)	113	39	152	7.0	37	0.4
HHDT (4+ axle truck)	312	20	332	15.3	19	0.2
SubTotal	**1193**	**982**	**2175**	**100**	**9258**	**100**

Weighted Average of Truck Miles

CenterPoint	Destination	Miles	% Trips	Miles * Trips
	Port of Oakland	65	40%	26
	Reno	175	10%	18
	I-40 border	500	10%	50
	Local	15	40%	6
	Total		100%	100

Other Master Plan	Destination	Miles	% Trips	Miles * Trips
Light Industrial, Auto Parts	Port of Oakland	65	6%	4
	Reno	175	2%	4
	I-40 border	500	2%	10
	Local	14	90%	13
	Total		100%	30

Retail: Uses URBEMIS Default trip lengths

Transportation

Baseline is Currently: OFF

Unmitigated Transportation	Target Year: 2025	2011	
	Project	Baseline	Project-Baseline
Operational Emissions from URBEMIS (CO2 tons/year)	108,838.81	0.00	
Metric Ton Adjustment (CO2 metric tons/year)	98,764.80	0.00	
Pavley Regulation Adjustment (CO2 metric tons/year):	79,444.89	0.00	
US EPA Adjustment (CO2e metric tons/year):	83,626.20	0.00	
Low Carbon Fuels Rule Adjustment (CO2e metric tons/year)	77,605.11	0.00	
Total (CO2e metric tons/year):			77,605.11

Mitigated Transportation	Target Year: 2025	2011	
	Project	Baseline	Project-Baseline
Operational Vehicles from URBEMIS (CO2 tons/year):	108,838.81	0.00	
Metric Ton Adjustment (CO2 metric tons/year):	98,764.80	0.00	
Pavley Regulation Adjustment (CO2 metric tons/year):	79,444.89	0.00	
US EPA Adjustment (CO2e metric tons/year):	83,626.20	0.00	
Low Carbon Fuels Adjustment (CO2e metric tons/year):	77,605.11	0.00	
Total (CO2e metric tons/year):			77,605.11

The BGM User's Manual describes in detail each step used to convert URBEMIS's transportation CO2 emissions to total CO2e.
These steps include converting from English to Metric units, adjusting for the Pavley Rule, converting CO2 to CO2e, and adjusting for the Low Carbon Fuels Rule.

Reference

U.S. EPA assumption that GHG emissions from other pollutants - CH4, N20, and hydrofluorcarbons (HFCs) from leaking air conditioners account for 5 percent of emissions from vehicles, after accounting for global warming potentail of each GHG.

Jump to the Following Transportation Related Tabs:
Transportation Detail for Operational Mitigation
Land Use Detail

	Don't Need to Adjust this amt	Unadjusted Amount Affected by Pavley	Adjusted	Adusted	Adusted	Adusted	Adjusted
	Not Affected by Pavley	LDA/ LDT1/ LDT2/ MDV	LDA	LDT1	LDT2	MDV	4 totaled
Pavley Calculations - Project Unmitigated	15,975.90	82,788.90	30,275.88	9,617.73	16,010.15	7,565.23	63,468.99
Pavley Calculations - Baseline Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pavley Calculations - Project Mitigated	15,975.90	82,788.90	30,275.88	9,617.73	16,010.15	7,565.23	63,468.99
Pavley Calculations - Baseline Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Pavley Adjustment

											12.00	13.00	14.00	15.00	16.00
Year	% LDA CO2 Emissions	% LDT1 CO2 Emissions	% LDT2 CO2 Emissions	% MDV CO2 Emissions	% LDA/LDT1/LDT2/MDV	% everything else	% CO2 Reduction - LDA	% CO2 Reduction - LDT1	% CO2 Reduction - LDT2	% CO2 Reduction MDV	LDA				
2009	41.59%	12.33%	19.61%	9.71%	83.26%	16.74%	0.00%	0.00%	0.07%	0.08%	0.0000	0.0000	0.0006	0.0007	0.0013
2010	41.72%	12.39%	19.54%	9.61%	83.26%	16.74%	0.35%	0.25%	0.45%	0.48%	0.0020	0.0022	0.0036	0.0044	0.0122
2011	41.83%	12.45%	19.50%	9.50%	83.27%	16.73%	1.75%	1.34%	1.31%	1.29%	0.0102	0.0117	0.0106	0.0117	0.0442
2012	41.89%	12.50%	19.47%	9.40%	83.27%	16.73%	4.07%	3.27%	2.60%	2.44%	0.0237	0.0286	0.0209	0.0221	0.0953
2013	41.94%	12.56%	19.46%	9.32%	83.28%	16.72%	6.31%	5.26%	3.88%	3.61%	0.0366	0.0460	0.0313	0.0328	0.1466
2014	41.98%	12.62%	19.46%	9.27%	83.33%	16.67%	8.48%	7.26%	5.17%	4.83%	0.0492	0.0634	0.0416	0.0438	0.1980
2015	42.00%	12.67%	19.47%	9.24%	83.38%	16.62%	10.74%	9.38%	6.54%	6.17%	0.0623	0.0819	0.0527	0.0560	0.2529
2016	42.05%	12.76%	19.50%	9.23%	83.54%	16.46%	12.96%	11.56%	7.94%	7.54%	0.0751	0.1008	0.0639	0.0684	0.3082
2017	42.02%	12.81%	19.51%	9.21%	83.55%	16.45%	15.03%	13.58%	9.27%	8.88%	0.0871	0.1184	0.0746	0.0806	0.3608
2018	41.98%	12.84%	19.52%	9.21%	83.55%	16.45%	16.94%	15.43%	10.54%	10.16%	0.0983	0.1345	0.0848	0.0923	0.4099
2019	41.95%	12.87%	19.53%	9.21%	83.57%	16.43%	18.72%	17.13%	11.74%	11.40%	0.1087	0.1492	0.0945	0.1035	0.4559
2020	41.92%	12.89%	19.55%	9.22%	83.59%	16.41%	20.37%	18.69%	12.89%	12.59%	0.1183	0.1628	0.1037	0.1143	0.4990
2025	41.92%	12.96%	19.67%	9.28%	83.82%	16.18%	26.87%	24.86%	17.60%	17.42%	0.1560	0.2164	0.1414	0.1581	0.6719
2030	42.15%	13.03%	19.76%	9.32%	84.26%	15.74%	30.60%	28.71%	20.63%	20.47%	0.1770	0.2497	0.1655	0.1856	0.7779
2035	42.21%	13.11%	19.80%	9.35%	84.47%	15.53%	32.38%	31.17%	22.43%	22.29%	0.1871	0.2708	0.1799	0.2021	0.8400
2040	42.24%	13.14%	19.90%	9.44%	84.72%	15.28%	33.27%	32.61%	23.60%	23.53%	0.1922	0.2832	0.1890	0.2131	0.8775

Low Carbon Fuels Standards

Year	% Reduction Gasoline and Diesel Fuel	% Reduction Tank to Wheels
2010	0.00	0.00
2011	0.25	0.18
2012	0.50	0.36
2013	1.00	0.72
2014	1.50	1.08
2015	2.50	1.80
2016	3.50	2.52
2017	5.00	3.60
2018	6.50	4.68
2019	8.00	5.76
2020	10.00	7.20
2021	10.00	7.20
2022	10.00	7.20
2023	10.00	7.20
2024	10.00	7.20
2025	10.00	7.20
2026	10.00	7.20
2027	10.00	7.20
2028	10.00	7.20
2029	10.00	7.20
2030	10.00	7.20
2031	10.00	7.20
2032	10.00	7.20
2033	10.00	7.20
2034	10.00	7.20
2035	10.00	7.20
2036	10.00	7.20
2037	10.00	7.20
2038	10.00	7.20
2039	10.00	7.20
2040	10.00	7.20

Source:
Final Regulation Order
Subchapter 10. Climate Change
Article 4. Regulations to Achieve Greenhouse Gas Reductions
Subarticle 7. Low Carbon Fuel Standard
Section 95482. Average Carbon Intensity Requirements for Gasoline and Diesel

Transportation

Baseline is Currently: OFF

Unmitigated Transportation	Target Year: 2025	2011	
	Project	Baseline	Project-Baseline
Operational Emissions from URBEMIS (CO2 tons/year)	31,469.43	0.00	
Metric Ton Adjustment (CO2 metric tons/year)	28,556.65	0.00	
Pavley Regulation Adjustment (CO2 metric tons/year):	22,970.53	0.00	
US EPA Adjustment (CO2e metric tons/year):	24,179.51	0.00	
Low Carbon Fuels Rule Adjustment (CO2e metric tons/year)	22,438.58	0.00	
Total (CO2e metric tons/year):			22,438.58

Mitigated Transportation	Target Year: 2025	2011	
	Project	Baseline	Project-Baseline
Operational Vehicles from URBEMIS (CO2 tons/year):	31,469.43	0.00	
Metric Ton Adjustment (CO2 metric tons/year):	28,556.65	0.00	
Pavley Regulation Adjustment (CO2 metric tons/year):	22,970.53	0.00	
US EPA Adjustment (CO2e metric tons/year):	24,179.51	0.00	
Low Carbon Fuels Adjustment (CO2e metric tons/year):	22,438.58	0.00	
Total (CO2e metric tons/year):			22,438.58

The BGM User's Manual describes in detail each step used to convert URBEMIS's transportation CO2 emissions to total CO2e.
These steps include converting from English to Metric units, adjusting for the Pavley Rule, converting CO2 to CO2e, and adjusting for the Low Carbon Fuels Rule.

Reference

U.S. EPA assumption that GHG emissions from other pollutants - CH4, N20, and hydrofluorcarbons (HFCs) from leaking air conditioners account for 5 percent of emissions from vehicles, after accounting for global warming potentail of each GHG.

Jump to the Following Transportation Related Tabs:
Transportation Detail for Operational Mitigation
Land Use Detail

	Don't Need to Adjust this amt	Unadjusted Amount Affected by Pavley	Adjusted	Adusted	Adusted	Adusted	Adjusted
	Not Affected by Pavley	LDA/ LDT1/ LDT2/ MDV	LDA	LDT1	LDT2	MDV	4 totaled
Pavley Calculations - Project Unmitigated	4,619.24	23,937.41	8,753.91	2,780.85	4,629.14	2,187.39	18,351.29
Pavley Calculations - Baseline Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pavley Calculations - Project Mitigated	4,619.24	23,937.41	8,753.91	2,780.85	4,629.14	2,187.39	18,351.29
Pavley Calculations - Baseline Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Pavley Adjustment

											12.00	13.00	14.00	15.00	16.00
Year	% LDA CO2 Emissions	% LDT1 CO2 Emissions	% LDT2 CO2 Emissions	% MDV CO2 Emissions	% LDA/LDT1/LDT2/MDV	% everything else	% CO2 Reduction - LDA	% CO2 Reduction - LDT1	% CO2 Reduction - LDT2	% CO2 Reduction MDV	LDA				
2009	41.59%	12.33%	19.61%	9.71%	83.26%	16.74%	0.00%	0.00%	0.07%	0.08%	0.0000	0.0000	0.0006	0.0007	0.0013
2010	41.72%	12.39%	19.54%	9.61%	83.26%	16.74%	0.35%	0.25%	0.45%	0.48%	0.0020	0.0022	0.0036	0.0044	0.0122
2011	41.83%	12.45%	19.50%	9.50%	83.27%	16.73%	1.75%	1.34%	1.31%	1.29%	0.0102	0.0117	0.0106	0.0117	0.0442
2012	41.89%	12.50%	19.47%	9.40%	83.27%	16.73%	4.07%	3.27%	2.60%	2.44%	0.0237	0.0286	0.0209	0.0221	0.0953
2013	41.94%	12.56%	19.46%	9.32%	83.28%	16.72%	6.31%	5.26%	3.88%	3.61%	0.0366	0.0460	0.0313	0.0328	0.1466
2014	41.98%	12.62%	19.46%	9.27%	83.33%	16.67%	8.48%	7.26%	5.17%	4.83%	0.0492	0.0634	0.0416	0.0438	0.1980
2015	42.00%	12.67%	19.47%	9.24%	83.38%	16.62%	10.74%	9.38%	6.54%	6.17%	0.0623	0.0819	0.0527	0.0560	0.2529
2016	42.05%	12.76%	19.50%	9.23%	83.54%	16.46%	12.96%	11.56%	7.94%	7.54%	0.0751	0.1008	0.0639	0.0684	0.3082
2017	42.02%	12.81%	19.51%	9.21%	83.55%	16.45%	15.03%	13.58%	9.27%	8.88%	0.0871	0.1184	0.0746	0.0806	0.3608
2018	41.98%	12.84%	19.52%	9.21%	83.55%	16.45%	16.94%	15.43%	10.54%	10.16%	0.0983	0.1345	0.0848	0.0923	0.4099
2019	41.95%	12.87%	19.53%	9.21%	83.57%	16.43%	18.72%	17.13%	11.74%	11.40%	0.1087	0.1492	0.0945	0.1035	0.4559
2020	41.92%	12.89%	19.55%	9.22%	83.59%	16.41%	20.37%	18.69%	12.89%	12.59%	0.1183	0.1628	0.1037	0.1143	0.4990
2025	41.92%	12.96%	19.67%	9.28%	83.82%	16.18%	26.87%	24.86%	17.60%	17.42%	0.1560	0.2164	0.1414	0.1581	0.6719
2030	42.15%	13.03%	19.76%	9.32%	84.26%	15.74%	30.60%	28.71%	20.63%	20.47%	0.1770	0.2497	0.1655	0.1856	0.7779
2035	42.21%	13.11%	19.80%	9.35%	84.47%	15.53%	32.38%	31.17%	22.43%	22.29%	0.1871	0.2708	0.1799	0.2021	0.8400
2040	42.24%	13.14%	19.90%	9.44%	84.72%	15.28%	33.27%	32.61%	23.60%	23.53%	0.1922	0.2832	0.1890	0.2131	0.8775

Low Carbon Fuels Standards

Year	% Reduction Gasoline and Diesel Fuel	% Reduction Tank to Wheels
2010	0.00	0.00
2011	0.25	0.18
2012	0.50	0.36
2013	1.00	0.72
2014	1.50	1.08
2015	2.50	1.80
2016	3.50	2.52
2017	5.00	3.60
2018	6.50	4.68
2019	8.00	5.76
2020	10.00	7.20
2021	10.00	7.20
2022	10.00	7.20
2023	10.00	7.20
2024	10.00	7.20
2025	10.00	7.20
2026	10.00	7.20
2027	10.00	7.20
2028	10.00	7.20
2029	10.00	7.20
2030	10.00	7.20
2031	10.00	7.20
2032	10.00	7.20
2033	10.00	7.20
2034	10.00	7.20
2035	10.00	7.20
2036	10.00	7.20
2037	10.00	7.20
2038	10.00	7.20
2039	10.00	7.20
2040	10.00	7.20

Source:
Final Regulation Order
Subchapter 10. Climate Change
Article 4. Regulations to Achieve Greenhouse Gas Reductions
Subarticle 7. Low Carbon Fuel Standard
Section 95482. Average Carbon Intensity Requirements for Gasoline and Diesel

Transportation

Baseline is Currently: OFF

Unmitigated Transportation	Target Year: 2025	2011	
	Project	Baseline	Project-Baseline
Operational Emissions from URBEMIS (CO2 tons/year)	7,600.03	0.00	
Metric Ton Adjustment (CO2 metric tons/year)	6,896.58	0.00	
Pavley Regulation Adjustment (CO2 metric tons/year):	5,547.50	0.00	
US EPA Adjustment (CO2e metric tons/year):	5,839.48	0.00	
Low Carbon Fuels Rule Adjustment (CO2e metric tons/year)	5,419.03	0.00	
Total (CO2e metric tons/year):			**5,419.03**

Mitigated Transportation	Target Year: 2025	2011	
	Project	Baseline	Project-Baseline
Operational Vehicles from URBEMIS (CO2 tons/year):	7,600.03	0.00	
Metric Ton Adjustment (CO2 metric tons/year):	6,896.58	0.00	
Pavley Regulation Adjustment (CO2 metric tons/year):	5,547.50	0.00	
US EPA Adjustment (CO2e metric tons/year):	5,839.48	0.00	
Low Carbon Fuels Adjustment (CO2e metric tons/year):	5,419.03	0.00	
Total (CO2e metric tons/year):			**5,419.03**

The BGM User's Manual describes in detail each step used to convert URBEMIS's transportation CO2 emissions to total CO2e.
These steps include converting from English to Metric units, adjusting for the Pavley Rule, converting CO2 to CO2e, and adjusting for the Low Carbon Fuels Rule.

Reference

U.S. EPA assumption that GHG emissions from other pollutants - CH4, N20, and hydrofluorcarbons (HFCs) from leaking air conditioners account for 5 percent of emissions from vehicles, after accounting for global warming potentail of each GHG.

Jump to the Following Transportation Related Tabs:
Transportation Detail for Operational Mitigation
Land Use Detail

	Don't Need to Adjust this amt	Unadjusted Amount Affected by Pavley	Adjusted	Adusted	Adusted	Adusted	Adjusted
	Not Affected by Pavley	LDA/ LDT1/ LDT2/ MDV	LDA	LDT1	LDT2	MDV	4 totaled
Pavley Calculations - Project Unmitigated	1,115.57	5,781.01	2,114.11	671.59	1,117.96	528.27	4,431.93
Pavley Calculations - Baseline Unmitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pavley Calculations - Project Mitigated	1,115.57	5,781.01	2,114.11	671.59	1,117.96	528.27	4,431.93
Pavley Calculations - Baseline Mitigated	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Pavley Adjustment

											12.00	13.00	14.00	15.00	16.00
Year	% LDA CO2 Emissions	% LDT1 CO2 Emissions	% LDT2 CO2 Emissions	% MDV CO2 Emissions	% LDA/LDT1/LDT2/MDV	% everything else	% CO2 Reduction - LDA	% CO2 Reduction - LDT1	% CO2 Reduction - LDT2	% CO2 Reduction MDV	LDA				
2009	41.59%	12.33%	19.61%	9.71%	83.26%	16.74%	0.00%	0.00%	0.07%	0.08%	0.0000	0.0000	0.0006	0.0007	0.0013
2010	41.72%	12.39%	19.54%	9.61%	83.26%	16.74%	0.35%	0.25%	0.45%	0.48%	0.0020	0.0022	0.0036	0.0044	0.0122
2011	41.83%	12.45%	19.50%	9.50%	83.27%	16.73%	1.75%	1.34%	1.31%	1.29%	0.0102	0.0117	0.0106	0.0117	0.0442
2012	41.89%	12.50%	19.47%	9.40%	83.27%	16.73%	4.07%	3.27%	2.60%	2.44%	0.0237	0.0286	0.0209	0.0221	0.0953
2013	41.94%	12.56%	19.46%	9.32%	83.28%	16.72%	6.31%	5.26%	3.88%	3.61%	0.0366	0.0460	0.0313	0.0328	0.1466
2014	41.98%	12.62%	19.46%	9.27%	83.33%	16.67%	8.48%	7.26%	5.17%	4.83%	0.0492	0.0634	0.0416	0.0438	0.1980
2015	42.00%	12.67%	19.47%	9.24%	83.38%	16.62%	10.74%	9.38%	6.54%	6.17%	0.0623	0.0819	0.0527	0.0560	0.2529
2016	42.05%	12.76%	19.50%	9.23%	83.54%	16.46%	12.96%	11.56%	7.94%	7.54%	0.0751	0.1008	0.0639	0.0684	0.3082
2017	42.02%	12.81%	19.51%	9.21%	83.55%	16.45%	15.03%	13.58%	9.27%	8.88%	0.0871	0.1184	0.0746	0.0806	0.3608
2018	41.98%	12.84%	19.52%	9.21%	83.55%	16.45%	16.94%	15.43%	10.54%	10.16%	0.0983	0.1345	0.0848	0.0923	0.4099
2019	41.95%	12.87%	19.53%	9.21%	83.57%	16.43%	18.72%	17.13%	11.74%	11.40%	0.1087	0.1492	0.0945	0.1035	0.4559
2020	41.92%	12.89%	19.55%	9.22%	83.59%	16.41%	20.37%	18.69%	12.89%	12.59%	0.1183	0.1628	0.1037	0.1143	0.4990
2025	41.92%	12.96%	19.67%	9.28%	83.82%	16.18%	26.87%	24.86%	17.60%	17.42%	0.1560	0.2164	0.1414	0.1581	0.6719
2030	42.15%	13.03%	19.76%	9.32%	84.26%	15.74%	30.60%	28.71%	20.63%	20.47%	0.1770	0.2497	0.1655	0.1856	0.7779
2035	42.21%	13.11%	19.80%	9.35%	84.47%	15.53%	32.38%	31.17%	22.43%	22.29%	0.1871	0.2708	0.1799	0.2021	0.8400
2040	42.24%	13.14%	19.90%	9.44%	84.72%	15.28%	33.27%	32.61%	23.60%	23.53%	0.1922	0.2832	0.1890	0.2131	0.8775

Low Carbon Fuels Standards

Year	% Reduction Gasoline and Diesel Fuel	% Reduction Tank to Wheels
2010	0.00	0.00
2011	0.25	0.18
2012	0.50	0.36
2013	1.00	0.72
2014	1.50	1.08
2015	2.50	1.80
2016	3.50	2.52
2017	5.00	3.60
2018	6.50	4.68
2019	8.00	5.76
2020	10.00	7.20
2021	10.00	7.20
2022	10.00	7.20
2023	10.00	7.20
2024	10.00	7.20
2025	10.00	7.20
2026	10.00	7.20
2027	10.00	7.20
2028	10.00	7.20
2029	10.00	7.20
2030	10.00	7.20
2031	10.00	7.20
2032	10.00	7.20
2033	10.00	7.20
2034	10.00	7.20
2035	10.00	7.20
2036	10.00	7.20
2037	10.00	7.20
2038	10.00	7.20
2039	10.00	7.20
2040	10.00	7.20

Source:
Final Regulation Order
Subchapter 10. Climate Change
Article 4. Regulations to Achieve Greenhouse Gas Reductions
Subarticle 7. Low Carbon Fuel Standard
Section 95482. Average Carbon Intensity Requirements for Gasoline and Diesel

GHG Emissions Analysis -- Summary Report

Version 10 (10/09)

GHG Emissions Waste Management Analysis for Northwest Airport Way Master Plan: Operation

Prepared by: Michael Brandman Associates

Project Period for this Analysis: 01/01/24 to 12/31/24

Note: If you wish to save these results, rename this file (e.g., WARM-MN1) and save it. Then the "Analysis Inputs" sheet of the "WARM" file will be blank when you are ready to make another model run.

GHG Emissions from Baseline Waste Management ($MTCO_2E$): 1,496

Commodity	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	Total $MTCO_2E$
Aluminum Cans	-	11.2	-	NA	0
Steel Cans	-	22.4	-	NA	1
Glass	-	78.3	-	NA	3
Corrugated Cardboard	-	1,085.1	-	NA	417
Magazines/third-class mail	-	89.5	-	NA	(28)
Newspaper	-	100.7	-	NA	(88)
Dimensional Lumber	-	3,412.0	-	NA	(1691)
Medium Density Fiberboard	-	324.4	-	NA	(161)
Food Scraps	NA	302.0	-	-	215
Yard Trimmings	NA	89.5	-	-	(16)
Mixed Paper, Broad	-	1,487.9	-	NA	477
Mixed Paper, Office	-	179.0	-	NA	77
Mixed Metals	-	1,241.8	-	NA	48
Mixed Plastics	-	1,107.5	-	NA	43
Mixed MSW	NA	1,454.3	-	NA	2189
Carpet	-	11.2	-	NA	0
Fly Ash	-	33.6	NA	NA	1
Tires	-	201.4	-	NA	8
					0
					0
					0
					0
					0
					0
					0
					0
					0
					0
					0
					0
					0
					0
					0
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					0

GHG Emissions from Alternative Waste Management Scenario ($MTCO_2E$): (3,422)

Commodity	Tons Source Reduced	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	Total $MTCO_2E$	Change (Alt - Base) $MTCO_2E$
Aluminum Cans	0.0	0.0	11.2	0.0	NA	0	0
Steel Cans	0.0	0.0	22.4	0.0	NA	1	0
Glass	0.0	0.0	78.3	0.0	NA	3	0
Corrugated Cardboard	0.0	271.3	813.8	0.0	NA	(529)	(946)
Magazines/third-class mail	0.0	22.4	67.1	0.0	NA	(89)	(62)
Newspaper	0.0	25.2	75.5	0.0	NA	(136)	(48)
Dimensional Lumber	0.0	853.0	2559.0	0.0	NA	(3363)	(1672)
Medium Density Fiberboard	0.0	81.1	243.3	0.0	NA	(321)	(160)
Food Scraps	0.0	NA	302.0	0.0	0.0	215	0
Yard Trimmings	0.0	NA	89.5	0.0	0.0	(16)	0
Mixed Paper, Broad	NA	372.0	1115.9	0.0	NA	(946)	(1423)
Mixed Paper, Office	NA	44.8	134.3	0.0	NA	(95)	(172)
Mixed Metals	NA	0.0	1241.8	0.0	NA	48	0
Mixed Plastics	NA	276.9	830.6	0.0	NA	(391)	(434)
Mixed MSW	NA	NA	1454.3	0.0	NA	2189	0
Carpet	0.0	0.0	11.2	0.0	NA	0	0
Fly Ash	NA	0.0	33.6	NA	NA	1	0
Tires	0.0	0.0	201.4	0.0	NA	8	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
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						0	0
						0	0
						0	0
						0	0

Total Change in GHG Emissions: (4,918) $MTCO_2E$

Note: a negative value (i.e., a value in parentheses) indicates an emission reduction; a positive value indicates an emission increase.

a) For explanation of methodology, see the EPA report:
Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks (EPA530-R-06-004)
-- available on the Internet at http://epa.gov/climatechange/wycd/waste/downloads/fullreport.pdf (5.6 Mb PDF file).
b) Emissions estimates provided by this model are intended to support voluntary GHG measurement and reporting initiatives.

This is equivalent to...

Removing	**901**	Passenger Cars from the Roadway Each Year
Conserving	**558,180**	Gallons of Gasoline
Conserving	**2,048,984**	Cylinders of Propane Used for Home Barbeques
Conserving	**26**	Railway Cars of Coal
	0.00026%	Annual CO_2 emissions from the U.S. transportation sector
	0.00021%	Annual CO_2 emissions from the U.S. electricity sector

GHG Emissions Analysis -- Summary Report

Version 10 (10/09)

GHG Emissions Waste Management Analysis for Northwest Airport Way Master Plan - Construction of all phases

Prepared by: Michael Brandman Associates

Project Period for this Analysis: 01/01/12 to 12/31/23

Note: If you wish to save these results, rename this file (e.g., WARM-MN1) and save it. Then the "Analysis Inputs" sheet of the "WARM" file will be blank when you are ready to make another model run.

GHG Emissions from Baseline Waste Management ($MTCO_2E$): 719

Commodity	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	Total $MTCO_2E$
Corrugated Cardboard	-	898.8	-	NA	345
Dimensional Lumber	-	3,595.0	-	NA	(1782)
Medium Density Fiberboard	-	3,595.0	-	NA	(1782)
Yard Trimmings	NA	1,797.5	-	-	(329)
Mixed Metals	-	898.8	-	NA	35
Mixed Plastics	-	898.8	-	NA	35
Mixed MSW	NA	2,696.3	-	NA	4059
Concrete	-	3,595.0	NA	NA	138
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					0
					0
					0
					0

GHG Emissions from Alternative Waste Management Scenario ($MTCO_2E$): (11,158)

Commodity	Tons Source Reduced	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	Total $MTCO_2E$	Change (Alt - Base) $MTCO_2E$
Corrugated Cardboard	0.0	449.4	449.4	0.0	NA	(1222)	(1567)
Dimensional Lumber	0.0	1797.5	1797.5	0.0	NA	(5305)	(3523)
Medium Density Fiberboard	0.0	1797.5	1797.5	0.0	NA	(5333)	(3551)
Yard Trimmings	0.0	NA	1797.5	0.0	0.0	(329)	0
Mixed Metals	NA	449.4	449.4	0.0	NA	(2414)	(2448)
Mixed Plastics	NA	449.4	449.4	0.0	NA	(670)	(704)
Mixed MSW	NA	NA	2696.3	0.0	NA	4059	0
Concrete	NA	1797.5	1797.5	NA	NA	55	(83)
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
						0	0
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						0	0
						0	0
						0	0
						0	0

Note: a negative value (i.e., a value in parentheses) indicates an emission reduction; a positive value indicates an emission increase.

Total Change in GHG Emissions: (11,877) $MTCO_2E$

This is equivalent to...

Removing	**2,175**	Passenger Cars from the Roadway Each Year
Conserving	**1,348,089**	Gallons of Gasoline
Conserving	**4,948,609**	Cylinders of Propane Used for Home Barbeques
Conserving	**62**	Railway Cars of Coal
	0.00063%	Annual CO_2 emissions from the U.S. transportation sector
	0.00050%	Annual CO_2 emissions from the U.S. electricity sector

a) For explanation of methodology, see the EPA report:
Solid Waste Management and Greenhouse Gases: A Life-Cycle Assessment of Emissions and Sinks (EPA530-R-06-004)
-- available on the Internet at http://epa.gov/climatechange/wycd/waste/downloads/fullreport.pdf (5.6 Mb PDF file).
b) Emissions estimates provided by this model are intended to support voluntary GHG measurement and reporting initiatives.

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

GHG Mitigation Measures

Project Name: NW Airport Way Master Plan

Result Table

Measures Category	Point Reduction	Count
Bicycle/Pedestrian/Transit	1.00	1
Building Component	0.00	0
Mixed -Use	0.00	0
Parking	0.50	1
Site Design	0.00	0
Totals	**1.50**	**2**

Selected	*MEASURE #*	*Measure Name*	*Commercial*	*Mixed-Use*	*Residential*	*Point Reduction*	*Measure Description*
X	**6**	**Pedestrian barriers minimized**	C	M	R	1.00	Site design and building placement minimize barriers to pedestrian access and interconnectivity. Physical barriers such as walls, berms, landscaping, and slopes between residential and non-residential uses that impede bicycle or pedestrian circulation are eliminated. Barriers to pedestrian access of neighboring facilities and sites are minimized. This measure is not meant to prevent the limited use of barriers to ensure public safety by prohibiting access to hazardous areas, etc..
X	**13**	**Pedestrian pathway through parking**	C	M	R	0.5	Provide a parking lot design that includes clearly marked and shaded pedestrian pathways between transit facilities and building entrances. Pathway must connect to all transit facilities internal or adjacent to project site. Site plan should demonstrate how the pathways are clearly marked, shaded, and are placed between transit facilities and building entrances.

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2. Roth Rd. / I-5 SB Ramps
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	9. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	2.8 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	6	0	6	600	AG	0	3.6	.0	10.0
B. NB Approach	6	600	6	756	AG	0	6.7	.0	10.0
C. NB Depart	6	756	6	913	AG	0	6.7	.0	10.0
D. NB External	6	913	6	1513	AG	0	3.6	.0	10.0
E. NB Left	6	600	3	756	AG	0	6.7	.0	10.0
F. SB Left	0	913	3	756	AG	407	6.7	.0	10.0
G. SB External	0	1513	0	913	AG	537	3.6	.0	10.0
H. SB Approach	0	913	0	756	AG	130	6.7	.0	10.0
I. SB Depart	0	756	0	600	AG	464	6.7	.0	10.0
J. SB External	0	600	0	0	AG	464	3.6	.0	10.0
K. EB External	-750	750	-150	750	AG	530	3.6	.0	15.7
L. EB Approach	-150	750	3	750	AG	530	6.7	.0	15.7
M. EB Depart	3	750	156	750	AG	927	6.7	.0	15.7
N. EB External	156	750	756	750	AG	927	3.6	.0	15.7
O. WB External	756	763	156	763	AG	474	3.6	.0	15.7
P. WB Approach	156	763	3	763	AG	30	6.7	.0	15.7
Q. WB Depart	3	763	-150	763	AG	150	6.7	.0	15.7
R. WB External	-150	763	-750	763	AG	150	3.6	.0	15.7
S. EB Left	-150	750	3	756	AG	0	6.7	.0	15.7
T. WB Left	156	763	3	756	AG	444	6.7	.0	15.7

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-6	741	2.0
2. Receptor	12	741	2.0
3. Receptor	12	772	2.0
4. Receptor	-6	772	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	83.	.8	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	83.	.7	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	187.	.4	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	100.	.5	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.1
2. Receptor	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
3. Receptor	.2	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2

```
         CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                  JUNE 1989 VERSION
                  PAGE   1

             JOB: 3. Roth Rd. / I-5 NB Ramps
             RUN: Hour 1           (WORST CASE ANGLE)
      POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
       U=   1.0 M/S            Z0= 100. CM            ALT=     9. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M              AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  2.8 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	*	10	0	10	600	* AG	334	3.6	.0	12.9
B. NB Approach	*	10	600	10	756	* AG	314	6.7	.0	12.9
C. NB Depart	*	10	756	10	913	* AG	1006	6.7	.0	12.9
D. NB External	*	10	913	10	1513	* AG	1006	3.6	.0	12.9
E. NB Left	*	10	600	5	756	* AG	20	6.7	.0	12.9
F. SB Left	*	0	913	5	756	* AG	0	6.7	.0	12.9
G. SB External	*	0	1513	0	913	* AG	0	3.6	.0	12.9
H. SB Approach	*	0	913	0	756	* AG	0	6.7	.0	12.9
I. SB Depart	*	0	756	0	600	* AG	0	6.7	.0	12.9
J. SB External	*	0	600	0	0	* AG	0	3.6	.0	12.9
K. EB External	*	-750	750	-150	750	* AG	927	3.6	.0	15.7
L. EB Approach	*	-150	750	5	750	* AG	457	6.7	.0	15.7
M. EB Depart	*	5	750	160	750	* AG	761	6.7	.0	15.7
N. EB External	*	160	750	760	750	* AG	761	3.6	.0	15.7
O. WB External	*	760	763	160	763	* AG	980	3.6	.0	15.7
P. WB Approach	*	160	763	5	763	* AG	980	6.7	.0	15.7
Q. WB Depart	*	5	763	-150	763	* AG	474	6.7	.0	15.7
R. WB External	*	-150	763	-750	763	* AG	474	3.6	.0	15.7
S. EB Left	*	-150	750	5	756	* AG	470	6.7	.0	15.7
T. WB Left	*	160	763	5	756	* AG	0	6.7	.0	15.7

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. Receptor	*	-8	741	2.0
2. Receptor	*	18	741	2.0
3. Receptor	*	18	772	2.0
4. Receptor	*	-8	772	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* BRG (DEG)	* PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	* 84.	* .8	*	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	* 355.	* .9	*	.0	.0	.5	.0	.0	.0	.0	.0
3. Receptor	* 260.	* .9	*	.0	.0	.2	.0	.0	.0	.0	.0
4. Receptor	* 96.	* .9	*	.0	.0	.2	.0	.0	.0	.0	.0

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	*	.0	.0	.0	.0	.4	.0	.1	.1	.0	.0	.0	.0
2. Receptor	*	.0	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.0
3. Receptor	*	.0	.0	.0	.1	.0	.0	.0	.0	.3	.0	.2	.0
4. Receptor	*	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 4. Roth Rd. / Harlan Rd.
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	9. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	2.8 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	9	0	9	600	AG	170	3.6	.0	12.2
B. NB Approach	9	600	9	755	AG	90	6.7	.0	12.2
C. NB Depart	9	755	9	909	AG	160	6.7	.0	12.2
D. NB External	9	909	9	1509	AG	160	3.6	.0	12.2
E. NB Left	9	600	5	755	AG	80	6.7	.0	12.2
F. SB Left	0	909	5	755	AG	30	6.7	.0	12.2
G. SB External	0	1509	0	909	AG	150	3.6	.0	12.2
H. SB Approach	0	909	0	755	AG	120	6.7	.0	12.2
I. SB Depart	0	755	0	600	AG	170	6.7	.0	12.2
J. SB External	0	600	0	0	AG	170	3.6	.0	12.2
K. EB External	-750	750	-150	750	AG	761	3.6	.0	12.2
L. EB Approach	-150	750	5	750	AG	681	6.7	.0	12.2
M. EB Depart	5	750	159	750	AG	691	6.7	.0	12.2
N. EB External	159	750	759	750	AG	691	3.6	.0	12.2
O. WB External	759	759	159	759	AG	920	3.6	.0	12.2
P. WB Approach	159	759	5	759	AG	850	6.7	.0	12.2
Q. WB Depart	5	759	-150	759	AG	980	6.7	.0	12.2
R. WB External	-150	759	-750	759	AG	980	3.6	.0	12.2
S. EB Left	-150	750	5	755	AG	80	6.7	.0	12.2
T. WB Left	159	759	5	755	AG	70	6.7	.0	12.2

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-8	742	2.0
2. Receptor	17	742	2.0
3. Receptor	17	767	2.0
4. Receptor	-8	767	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	82.	.8	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	277.	.8	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	263.	.9	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	96.	.8	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	.4	.0	.0	.2	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.4	.0	.0	.0	.0	.2	.0	.0	.0
3. Receptor	.0	.0	.0	.2	.0	.0	.0	.0	.5	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.1	.0	.0	.5	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 7. Daisywood Dr. / Airport Way
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	9. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	2.8 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	*	4	0	4	600	* AG	1218	3.6	.0	10.0
B. NB Approach	*	4	600	4	752	* AG	1083	6.7	.0	10.0
C. NB Depart	*	4	752	4	904	* AG	1013	6.7	.0	10.0
D. NB External	*	4	904	4	1504	* AG	1013	3.6	.0	10.0
E. NB Left	*	4	600	2	752	* AG	135	6.7	.0	10.0
F. SB Left	*	0	904	2	752	* AG	160	6.7	.0	10.0
G. SB External	*	0	1504	0	904	* AG	1340	3.6	.0	10.0
H. SB Approach	*	0	904	0	752	* AG	1180	6.7	.0	10.0
I. SB Depart	*	0	752	0	600	* AG	1398	6.7	.0	10.0
J. SB External	*	0	600	0	0	* AG	1398	3.6	.0	10.0
K. EB External	*	-750	750	-150	750	* AG	300	3.6	.0	10.0
L. EB Approach	*	-150	750	2	750	* AG	180	6.7	.0	10.0
M. EB Depart	*	2	750	154	750	* AG	407	6.7	.0	10.0
N. EB External	*	154	750	754	750	* AG	407	3.6	.0	10.0
O. WB External	*	754	754	154	754	* AG	203	3.6	.0	10.0
P. WB Approach	*	154	754	2	754	* AG	53	6.7	.0	10.0
Q. WB Depart	*	2	754	-150	754	* AG	243	6.7	.0	10.0
R. WB External	*	-150	754	-750	754	* AG	243	3.6	.0	10.0
S. EB Left	*	-150	750	2	752	* AG	120	6.7	.0	10.0
T. WB Left	*	154	754	2	752	* AG	150	6.7	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. Receptor	*	-5	745	2.0
2. Receptor	*	8	745	2.0
3. Receptor	*	8	758	2.0
4. Receptor	*	-5	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG (DEG)	*	PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	*	175.	*	1.8	*	.1	.4	.0	.0	.0	.0	.0	.0
2. Receptor	*	356.	*	1.9	*	.0	.2	.8	.0	.0	.1	.1	.5
3. Receptor	*	184.	*	2.0	*	.0	.9	.1	.0	.1	.0	.0	.0
4. Receptor	*	175.	*	1.9	*	.0	.4	.0	.0	.0	.0	.0	.1

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	*	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	*	.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	*	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 8. Lathrop Rd. / I-5 SB Ramps
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	9. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	2.8 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	5	0	5	600	AG	0	3.6	.0	10.0
B. NB Approach	5	600	5	753	AG	0	6.7	.0	10.0
C. NB Depart	5	753	5	907	AG	0	6.7	.0	10.0
D. NB External	5	907	5	1507	AG	0	3.6	.0	10.0
E. NB Left	5	600	2	753	AG	0	6.7	.0	10.0
F. SB Left	0	907	2	753	AG	530	6.7	.0	10.0
G. SB External	0	1507	0	907	AG	1290	3.6	.0	10.0
H. SB Approach	0	907	0	753	AG	760	6.7	.0	10.0
I. SB Depart	0	753	0	600	AG	1380	6.7	.0	10.0
J. SB External	0	600	0	0	AG	1380	3.6	.0	10.0
K. EB External	-750	750	-150	750	AG	2607	3.6	.0	10.0
L. EB Approach	-150	750	2	750	AG	2607	6.7	.0	10.0
M. EB Depart	2	750	155	750	AG	2147	6.7	.0	10.0
N. EB External	155	750	755	750	AG	2147	3.6	.0	10.0
O. WB External	755	757	155	757	AG	1549	3.6	.0	10.0
P. WB Approach	155	757	2	757	AG	1169	6.7	.0	10.0
Q. WB Depart	2	757	-150	757	AG	1919	6.7	.0	10.0
R. WB External	-150	757	-750	757	AG	1919	3.6	.0	10.0
S. EB Left	-150	750	2	753	AG	0	6.7	.0	10.0
T. WB Left	155	757	2	753	AG	380	6.7	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-5	744	2.0
2. Receptor	10	744	2.0
3. Receptor	10	763	2.0
4. Receptor	-5	763	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	83.	2.2	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	277.	2.3	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	263.	2.1	.0	.0	.0	.0	.0	.1	.0	.1
4. Receptor	97.	1.9	.0	.0	.0	.0	.0	.1	.0	.2

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.3	.0	.0	.0	1.2	.0	.0	.3	.0	.0	.0	.2
2. Receptor	.3	.0	.0	1.4	.0	.0	.0	.0	.5	.0	.0	.0
3. Receptor	.0	.0	.0	.6	.0	.0	.0	.0	1.1	.0	.0	.0
4. Receptor	.0	.0	.0	.0	.5	.0	.0	.8	.0	.0	.0	.2

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 9. Lathrop Road / I-5 NB Ramps
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	9. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	2.8 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	5	0	5	600	AG	1267	3.6	.0	10.0
B. NB Approach	5	600	5	754	AG	727	6.7	.0	10.0
C. NB Depart	5	754	5	908	AG	1246	6.7	.0	10.0
D. NB External	5	908	5	1508	AG	1246	3.6	.0	10.0
E. NB Left	5	600	2	754	AG	540	6.7	.0	10.0
F. SB Left	0	908	2	754	AG	0	6.7	.0	10.0
G. SB External	0	1508	0	908	AG	0	3.6	.0	10.0
H. SB Approach	0	908	0	754	AG	0	6.7	.0	10.0
I. SB Depart	0	754	0	600	AG	0	6.7	.0	10.0
J. SB External	0	600	0	0	AG	0	3.6	.0	10.0
K. EB External	-750	750	-150	750	AG	2147	3.6	.0	10.6
L. EB Approach	-150	750	2	750	AG	1297	6.7	.0	10.6
M. EB Depart	2	750	155	750	AG	2014	6.7	.0	10.6
N. EB External	155	750	755	750	AG	2014	3.6	.0	10.6
O. WB External	755	758	155	758	AG	1395	3.6	.0	10.6
P. WB Approach	155	758	2	758	AG	1395	6.7	.0	10.6
Q. WB Depart	2	758	-150	758	AG	1549	6.7	.0	10.6
R. WB External	-150	758	-750	758	AG	1549	3.6	.0	10.6
S. EB Left	-150	750	2	754	AG	850	6.7	.0	10.6
T. WB Left	155	758	2	754	AG	0	6.7	.0	10.6

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-5	743	2.0
2. Receptor	10	743	2.0
3. Receptor	10	764	2.0
4. Receptor	-5	764	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	83.	1.7	.0	.1	.0	.0	.1	.0	.0	.0
2. Receptor	277.	1.8	.0	.2	.0	.0	.1	.0	.0	.0
3. Receptor	263.	2.1	.0	.0	.3	.0	.0	.0	.0	.0
4. Receptor	262.	1.8	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.0	1.1	.0	.0	.3	.0	.0	.0	.0
2. Receptor	.0	.0	.0	.7	.0	.0	.0	.0	.3	.0	.3	.0
3. Receptor	.0	.0	.0	.3	.0	.0	.0	.0	1.0	.0	.3	.0
4. Receptor	.0	.0	.0	.3	.0	.0	.0	.0	1.0	.0	.3	.0

```
         CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                  JUNE 1989 VERSION
                  PAGE   1

             JOB: 10.  Lathrop Rd/Harlan Rd
             RUN: Hour 1           (WORST CASE ANGLE)
       POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
       U=   1.0 M/S            Z0= 100. CM            ALT=     9. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M              AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  2.8 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	*	14	0	14	600	* AG	330	3.6	.0	16.7
B. NB Approach	*	14	600	14	755	* AG	100	6.7	.0	16.7
C. NB Depart	*	14	755	14	911	* AG	213	6.7	.0	16.7
D. NB External	*	14	911	14	1511	* AG	213	3.6	.0	16.7
E. NB Left	*	14	600	7	755	* AG	230	6.7	.0	16.7
F. SB Left	*	0	911	7	755	* AG	65	6.7	.0	16.7
G. SB External	*	0	1511	0	911	* AG	205	3.6	.0	16.7
H. SB Approach	*	0	911	0	755	* AG	140	6.7	.0	16.7
I. SB Depart	*	0	755	0	600	* AG	205	6.7	.0	16.7
J. SB External	*	0	600	0	0	* AG	205	3.6	.0	16.7
K. EB External	*	-750	750	-150	750	* AG	1116	3.6	.0	13.7
L. EB Approach	*	-150	750	7	750	* AG	1006	6.7	.0	13.7
M. EB Depart	*	7	750	164	750	* AG	1031	6.7	.0	13.7
N. EB External	*	164	750	764	750	* AG	1031	3.6	.0	13.7
O. WB External	*	764	761	164	761	* AG	1707	3.6	.0	13.7
P. WB Approach	*	164	761	7	761	* AG	1642	6.7	.0	13.7
Q. WB Depart	*	7	761	-150	761	* AG	1909	6.7	.0	13.7
R. WB External	*	-150	761	-750	761	* AG	1909	3.6	.0	13.7
S. EB Left	*	-150	750	7	755	* AG	110	6.7	.0	13.7
T. WB Left	*	164	761	7	755	* AG	65	6.7	.0	13.7

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. Receptor	*	-10	742	2.0
2. Receptor	*	24	742	2.0
3. Receptor	*	24	769	2.0
4. Receptor	*	-10	769	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG (DEG)	*	PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	*	82.	*	1.2	*	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	*	278.	*	1.3	*	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	*	263.	*	1.5	*	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	*	97.	*	1.5	*	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	*	.0	.0	.0	.1	.5	.0	.0	.3	.0	.0	.0	.0
2. Receptor	*	.0	.0	.0	.5	.1	.0	.0	.0	.4	.0	.0	.0
3. Receptor	*	.0	.0	.0	.2	.0	.0	.0	.2	.9	.0	.0	.0
4. Receptor	*	.0	.0	.0	.0	.2	.0	.0	.8	.2	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 13. Lathrop Rd/Airport Way
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	9. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	2.8 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	12	0	12	600	AG	911	3.6	.0	15.2
B. NB Approach	12	600	12	755	AG	795	6.7	.0	15.2
C. NB Depart	12	755	12	909	AG	1259	6.7	.0	15.2
D. NB External	12	909	12	1509	AG	1259	3.6	.0	15.2
E. NB Left	12	600	6	755	AG	116	6.7	.0	15.2
F. SB Left	0	909	6	755	AG	342	6.7	.0	15.2
G. SB External	0	1509	0	909	AG	1339	3.6	.0	15.2
H. SB Approach	0	909	0	755	AG	997	6.7	.0	15.2
I. SB Depart	0	755	0	600	AG	1004	6.7	.0	15.2
J. SB External	0	600	0	0	AG	1004	3.6	.0	15.2
K. EB External	-750	750	-150	750	AG	1556	3.6	.0	12.2
L. EB Approach	-150	750	6	750	AG	1063	6.7	.0	12.2
M. EB Depart	6	750	162	750	AG	1369	6.7	.0	12.2
N. EB External	162	750	762	750	AG	1369	3.6	.0	12.2
O. WB External	762	759	162	759	AG	810	3.6	.0	12.2
P. WB Approach	162	759	6	759	AG	690	6.7	.0	12.2
Q. WB Depart	6	759	-150	759	AG	984	6.7	.0	12.2
R. WB External	-150	759	-750	759	AG	984	3.6	.0	12.2
S. EB Left	-150	750	6	755	AG	493	6.7	.0	12.2
T. WB Left	162	759	6	755	AG	120	6.7	.0	12.2

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. Receptor	-9	742	2.0
2. Receptor	21	742	2.0
3. Receptor	21	767	2.0
4. Receptor	-9	767	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	8.	1.5	.0	.0	.2	.0	.0	.1	.0	.5
2. Receptor	352.	1.5	.0	.0	.7	.0	.0	.1	.0	.2
3. Receptor	262.	1.6	.0	.0	.3	.0	.0	.0	.0	.1
4. Receptor	99.	1.3	.0	.0	.2	.0	.0	.0	.0	.2

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	.0	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0
2. Receptor	.0	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.0
3. Receptor	.0	.0	.0	.3	.0	.0	.0	.0	.5	.0	.2	.0
4. Receptor	.0	.0	.0	.0	.3	.0	.0	.4	.0	.0	.0	.0

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         CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                  JUNE 1989 VERSION
                  PAGE   1

              JOB: 19.  Hastings Dr/Airport Way
              RUN: Hour 1           (WORST CASE ANGLE)
       POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
       U=   1.0 M/S            Z0= 100. CM           ALT=     9. (M)
     BRG= WORST CASE           VD=   .0 CM/S
    CLAS=     7 (G)            VS=   .0 CM/S
    MIXH= 1000. M              AMB=   .0 PPM
   SIGTH=    5. DEGREES       TEMP=  2.8 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	*	8	0	8	600	* AG	954	3.6	.0	11.4
B. NB Approach	*	8	600	8	755	* AG	954	6.7	.0	11.4
C. NB Depart	*	8	755	8	909	* AG	911	6.7	.0	11.4
D. NB External	*	8	909	8	1509	* AG	911	3.6	.0	11.4
E. NB Left	*	8	600	4	755	* AG	0	6.7	.0	11.4
F. SB Left	*	0	909	4	755	* AG	39	6.7	.0	11.4
G. SB External	*	0	1509	0	909	* AG	1004	3.6	.0	11.4
H. SB Approach	*	0	909	0	755	* AG	965	6.7	.0	11.4
I. SB Depart	*	0	755	0	600	* AG	995	6.7	.0	11.4
J. SB External	*	0	600	0	0	* AG	995	3.6	.0	11.4
K. EB External	*	-750	750	-150	750	* AG	0	3.6	.0	12.2
L. EB Approach	*	-150	750	4	750	* AG	0	6.7	.0	12.2
M. EB Depart	*	4	750	158	750	* AG	109	6.7	.0	12.2
N. EB External	*	158	750	758	750	* AG	109	3.6	.0	12.2
O. WB External	*	758	759	158	759	* AG	57	3.6	.0	12.2
P. WB Approach	*	158	759	4	759	* AG	27	6.7	.0	12.2
Q. WB Depart	*	4	759	-150	759	* AG	0	6.7	.0	12.2
R. WB External	*	-150	759	-750	759	* AG	0	3.6	.0	12.2
S. EB Left	*	-150	750	4	755	* AG	0	6.7	.0	12.2
T. WB Left	*	158	759	4	755	* AG	30	6.7	.0	12.2

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. Receptor	*	-7	742	2.0
2. Receptor	*	16	742	2.0
3. Receptor	*	16	767	2.0
4. Receptor	*	-7	767	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG (DEG)	*	PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	*	7.	*	1.0	*	.0	.0	.2	.0	.0	.0	.0	.6
2. Receptor	*	353.	*	.9	*	.0	.0	.5	.0	.0	.0	.0	.2
3. Receptor	*	187.	*	.9	*	.0	.5	.0	.0	.0	.0	.0	.0
4. Receptor	*	173.	*	1.0	*	.0	.2	.0	.0	.0	.0	.0	.0

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. Receptor	*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. Receptor	*	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. Receptor	*	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 20. Louise Ave/Airport Way
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U=	1.0 M/S	Z0=	100. CM	ALT=	9. (M)
BRG=	WORST CASE	VD=	.0 CM/S		
CLAS=	7 (G)	VS=	.0 CM/S		
MIXH=	1000. M	AMB=	.0 PPM		
SIGTH=	5. DEGREES	TEMP=	2.8 DEGREE (C)		

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NB External	*	4	0	4	600	* AG	1114	3.6	.0	10.0
B. NB Approach	*	4	600	4	752	* AG	934	6.7	.0	10.0
C. NB Depart	*	4	752	4	903	* AG	937	6.7	.0	10.0
D. NB External	*	4	903	4	1503	* AG	937	3.6	.0	10.0
E. NB Left	*	4	600	2	752	* AG	180	6.7	.0	10.0
F. SB Left	*	0	903	2	752	* AG	236	6.7	.0	10.0
G. SB External	*	0	1503	0	903	* AG	1087	3.6	.0	10.0
H. SB Approach	*	0	903	0	752	* AG	851	6.7	.0	10.0
I. SB Depart	*	0	752	0	600	* AG	1054	6.7	.0	10.0
J. SB External	*	0	600	0	0	* AG	1054	3.6	.0	10.0
K. EB External	*	-750	750	-150	750	* AG	1123	3.6	.0	10.0
L. EB Approach	*	-150	750	2	750	* AG	980	6.7	.0	10.0
M. EB Depart	*	2	750	154	750	* AG	1256	6.7	.0	10.0
N. EB External	*	154	750	754	750	* AG	1256	3.6	.0	10.0
O. WB External	*	754	753	154	753	* AG	710	3.6	.0	10.0
P. WB Approach	*	154	753	2	753	* AG	590	6.7	.0	10.0
Q. WB Depart	*	2	753	-150	753	* AG	787	6.7	.0	10.0
R. WB External	*	-150	753	-750	753	* AG	787	3.6	.0	10.0
S. EB Left	*	-150	750	2	752	* AG	143	6.7	.0	10.0
T. WB Left	*	154	753	2	752	* AG	120	6.7	.0	10.0

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. Receptor	*	-5	745	2.0
2. Receptor	*	9	745	2.0
3. Receptor	*	9	758	2.0
4. Receptor	*	-5	758	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG (DEG)	*	PRED CONC (PPM)	*	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	*	86.	*	2.0	*	.0	.2	.0	.0	.0	.0	.0	.0
2. Receptor	*	274.	*	1.9	*	.0	.2	.0	.0	.0	.0	.0	.0
3. Receptor	*	185.	*	1.9	*	.0	.7	.0	.0	.1	.0	.0	.0
4. Receptor	*	175.	*	1.9	*	.0	.4	.0	.0	.1	.0	.0	.0

RECEPTOR	*	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. Receptor	*	.2	.0	.0	.1	.9	.0	.0	.3	.0	.0	.0	.0
2. Receptor	*	.2	.0	.0	.7	.1	.0	.0	.0	.3	.0	.0	.0
3. Receptor	*	.4	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.0
4. Receptor	*	.8	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0	.0

C.2 - Health Risk Assessment

Health Risk Assessment Report
Northwest Airport Way Master Plan
City of Manteca, San Joaquin County, California

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July 23, 2010

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ACRONYMS AND ABBREVIATIONS

µm	micrometer
AERMOD	AMS/EPA Regulatory Model
ARB	California Air Resources Control Board
AT	Averaging Time for Cancer Risk
ATCM	Air Toxic Control Measure
BACT	Best Available Control Technology
CEQA	California Environmental Quality Act
CIC	CenterPoint Intermodal Center
CPF	Inhalation Cancer Potency Factor
DBR	daily breathing rate
DPM	diesel particulate matter
ED	exposure duration for cancer risk
EF	exposure frequency for cancer risk
EMFAC	CARB Emissions Factor On-road Emission Factor Model
g/hp-hr	grams of emissions per hour per horsepower
g/hr	grams of emissions per hour of idling
g/mi	grams of emissions per vehicle mile traveled
HHDT	Heavy Heavy-Duty Truck Vehicle Class
HI	Non-cancer Hazard Index
HRA	Health Risk Screening Assessment
LHDT	Light Heavy-Duty Truck Vehicle Class
NAWMP	Northwest Airport Way Master Plan
NWS	National Weather Service
OEHHA	California Office of Environmental Health Hazard Assessment
REL	Reference Exposure Level for non-cancer health risk

SJVAPCD	San Joaquin Valley Air Pollution Control District
TAC	Toxic Air Contaminants
TBACT	Best Available Control Technology for Toxics
USEPA	U.S. Environmental Protection Agency
VMT	vehicle miles traveled

SECTION 1: INTRODUCTION

1.1 - Purpose

The purpose of this report is to assess the potential health risk impacts on local air quality associated with the operation of the Northwest Airport Way Master Plan Project, located in Manteca, California. The proposed project would consist of a number of emission sources that would emit toxic air contaminants (TAC)—specifically, diesel particulate matter (DPM)—from diesel truck traffic and diesel locomotives that would access the project facilities. These potential impacts are compared with the applicable health risk significance thresholds established by the San Joaquin Valley Air Pollution Control District (SJVAPCD) to assess the regulatory significance of these impacts.

1.2 - Methods of Analysis

This health risk assessment employed several mathematical modeling tools that are routinely used to perform such air quality assessments.

- The U.S. Environmental Protection Agency (USEPA) AMS/EPA Regulatory Model (AERMOD) model (USEPA 2006), the air dispersion modeling method approved by the California Air Resources Board (CARB) for such assessments.
- The CARB EMFAC2007 mobile emission source model (CARB 2006), which is used to calculate exhaust and idling emissions from the various mobile sources that will access the project site during operation.
- The California Office of Environmental Health Hazard Assessment (OEHHA) Tier I risk assessment methodology, used to estimate potential cancer risks from DPM emissions (OEHHA 2003).
- SJVAPCD Guidance for Air Quality Modeling (SJVAPCD 2007).

The above models and their assumptions are described in subsequent sections and appendices to this report.

1.3 - Executive Summary

This report contains the results of a detailed health risk assessment to determine the potential health risk impacts from the operation of the Northwest Airport Way Master Plan (NAWMP) on the local community. This assessment used methods approved by USEPA, the CARB, the California Office of Environmental Health Hazard Assessment (OEHHA), and the SJVAPCD to derive the impact estimates. This assessment evaluated the potential health risks for three time periods: 1) the year 2014 corresponding to the build out of the CenterPoint Intermodal Center; 2) the year 2019 corresponding to the build out of the CenterPoint Intermodal Center and the industrial portion of the

remainder of the NAWMP; and 3) the year 2024 corresponding to the final build out of the complete NAWMP. The assessment contained in this report supports the following conclusions related to the health risk assessment for the toxic air contaminants from this project:

- The maximum predicted cancer risks associated with the DPM toxic air contaminant emissions from the proposed project would not exceed the SJVAPCD cancer risk threshold of 10 in one million at any nearby existing sensitive receptor during the projected year 2014 for the CIC portion of the proposed project, the projected year 2019 for the CIC and the industrial land uses for the remainder of the NAWMP, or the projected year 2024 for the final build out of the entire NAWMP.
- The highest cancer risk noted at any location and build out year was 13.9 in one million in 2014. However, the location of this maximum risk is at a currently vacant lot to the east of the proposed project across Airport Way.
- The maximum predicted cancer risks associated with the DPM toxic air contaminant emissions from the proposed project would not exceed the non-cancer risk threshold established at any nearby existing sensitive receptor during the projected year 2014 for the CIC portion of the proposed project, the projected year 2019 for the CIC and the industrial land uses for the remainder of the NAWMP, or the projected year 2024 for the final build out of the entire NAWMP..
- The localized, project-specific health risk impacts from toxic air contaminant emissions based on air dispersion modeling are considered less than significant at any sensitive receptor during the projected year 2014 for the CIC portion of the proposed project, the projected year 2019 for the CIC and the industrial land uses for the remainder of the NAWMP, or the projected year 2024 for the final build out of the entire NAWMP.

SECTION 2: SETTING

2.1 - Project Location and Description

The proposed project would be located on approximately 300.3 acres in the City of Manteca, California. The rectangular plan area consists of 300.3 acres bounded by the Union Pacific Railroad Lathrop Intermodal Terminal (west), Roth Road (north), Airport Way (east), and Lathrop Road (south) (Exhibit 1 and Exhibit 2). The plan area is within the City of Manteca Sphere of Influence and within the 10-year planning horizon.

The proposed project consists of the development of approximately 4.7 million square feet of high cube warehouse, light industrial and retail uses. The CenterPoint Intermodal Center (CIC) would occupy most of the square footage, with the non-Center Point components occupying the balance. Table 1 shows the Master Plan build out schedule.

Table 1: Master Plan Build Out Summary

Component	Use	Square Footage[1]	In Operation[2]
CenterPoint Intermodal Center	Light Industrial and High Cube Warehouse	3,177,521	2014
Non-CenterPoint Development	Light Industrial	1,275,620	2019
	Commercial Retail	205,800	2024
Total	**—**	**4,658,941**	**2024**

The assessment will include two scenarios. Scenario 1 assesses the operations of the CIC alone which is projected to be operational in 2019. Scenario 2 assumes a projected build out of the entire NAWMP in 2024. Exhibit 3 provides the proposed project site plan.

2.2 - Sensitive Receptors

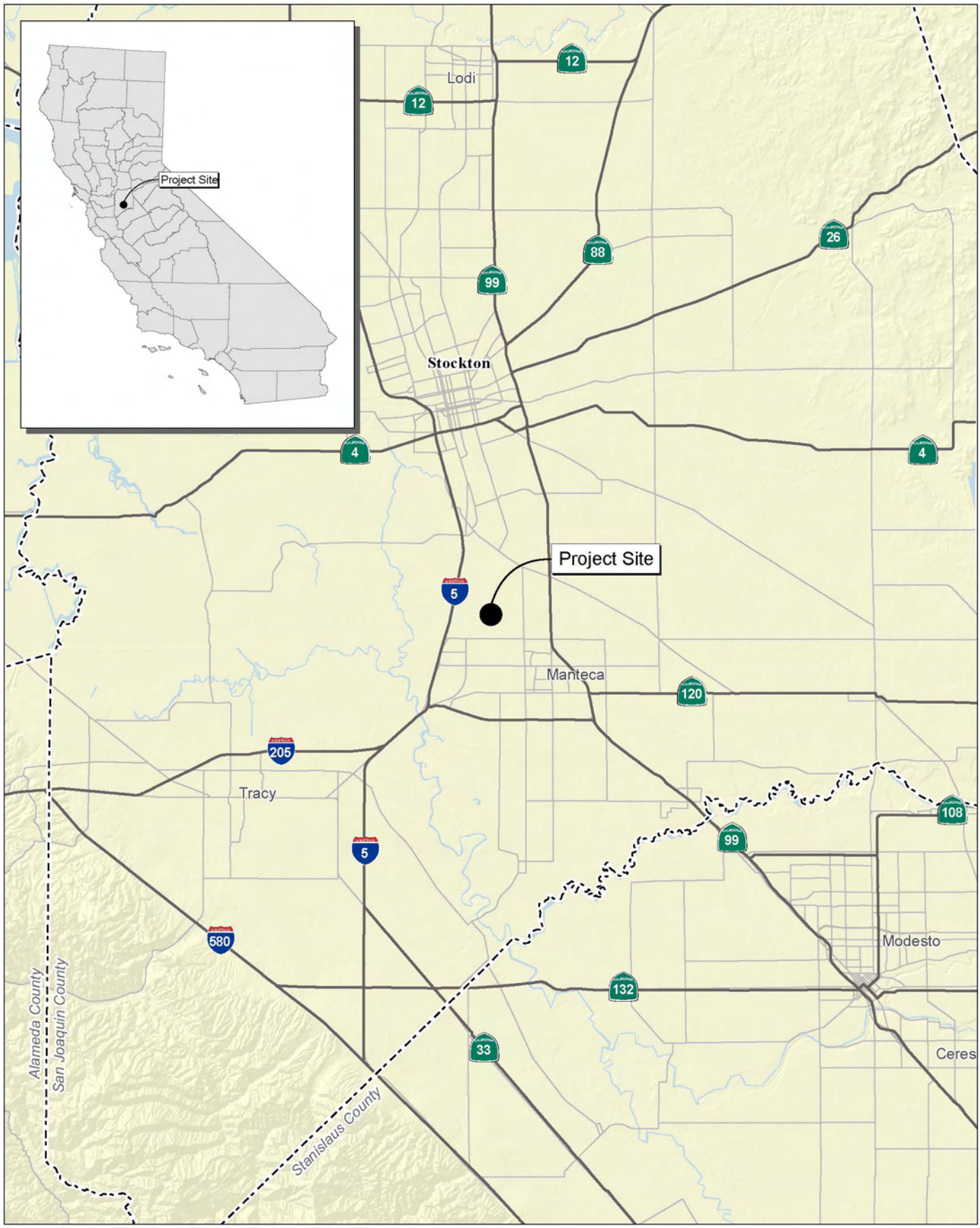
Individuals who are more sensitive to toxic exposures than the general population are considered sensitive receptors. Sensitive receptors may include young children and chronically ill individuals. Such receptors may also reside at residences and medical care facilities such as nursing homes and residential care facilities. Office workers may also be considered sensitive receptors, based on their proximity to sources of TACs and that workers may be exposed over the duration of their employment. The nearest sensitive receptors to the project are the residences located approximately 50 meters to the east across Airport Way and approximately 30 meters to the south of the proposed project across Lathrop Road.

2.3 - Existing Air Quality - Toxic Air Contaminants

A TAC is defined as an air pollutant that may cause or contribute to an increase in mortality or serious illness, or that may pose a hazard to human health. TACs are usually present in minute quantities in the ambient air; however, their high toxicity or health risk may pose a threat to public health even at low concentrations. According to the California Almanac of Emissions and Air Quality (CARB 2010), the majority of the estimated health risk from TACs can be attributed to relatively few compounds, the most important being particulate matter from diesel-fueled engines (DPM). DPM differs from other TACs in that it is not a single substance but a complex mixture of hundreds of substances. Although DPM is emitted by diesel-fueled, internal combustion engines, the composition of the emissions varies, depending on engine type, operating conditions, fuel composition, lubricating oil, and whether an emission control system is present. Unlike the other TACs, no ambient monitoring data are available for DPM because no routine measurement method currently exists. However, the CARB has made preliminary concentration estimates based on a DPM exposure method. This method uses the CARB emissions inventory's PM_{10} database, ambient PM_{10} monitoring data, and the results from several studies to estimate concentrations of DPM. In addition to DPM, benzene, 1,3-butadiene, acetaldehyde, carbon tetrachloride, hexavalent chromium, *para*-dichlorobenzene, formaldehyde, methylene chloride, and perchloroethylene pose the greatest existing ambient risk, for which data are available, in California.

DPM poses the greatest health risk among the 10 TACs listed above. The State of California, after a 10-year research program, determined in 1998 (CARB 1998) that DPM from diesel-fueled engines is a human carcinogen and that chronic (long-term) inhalation exposure to DPM poses a chronic health risk. In addition to increasing the risk of lung cancer, exposure to diesel exhaust can have other health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. Diesel exhaust is a major source of fine particulate pollution as well, and studies have linked elevated particle levels in the air to increased hospital admissions, emergency room visits, asthma attacks, and premature deaths among those suffering from respiratory problems.

Activities associated with the project operations that require the use of diesel-fueled vehicles for extended periods, such as delivery vehicles to and from the NAWMP as well as from locomotives servicing the proposed project, would generate DPM emissions that could expose sensitive receptors to DPM. The DPM emissions generated by these uses would be produced on a regular basis at several points within the proposed project along the travel routes within the proposed project and at the loading docks of the various buildings as well as along the rail spur to several buildings within the proposed project. The existing residences in the vicinity of the proposed project site may be exposed to elevated levels of DPM emissions on a recurring basis. The extent of this exposure is assessed in Section 4, Health Risk Assessment.



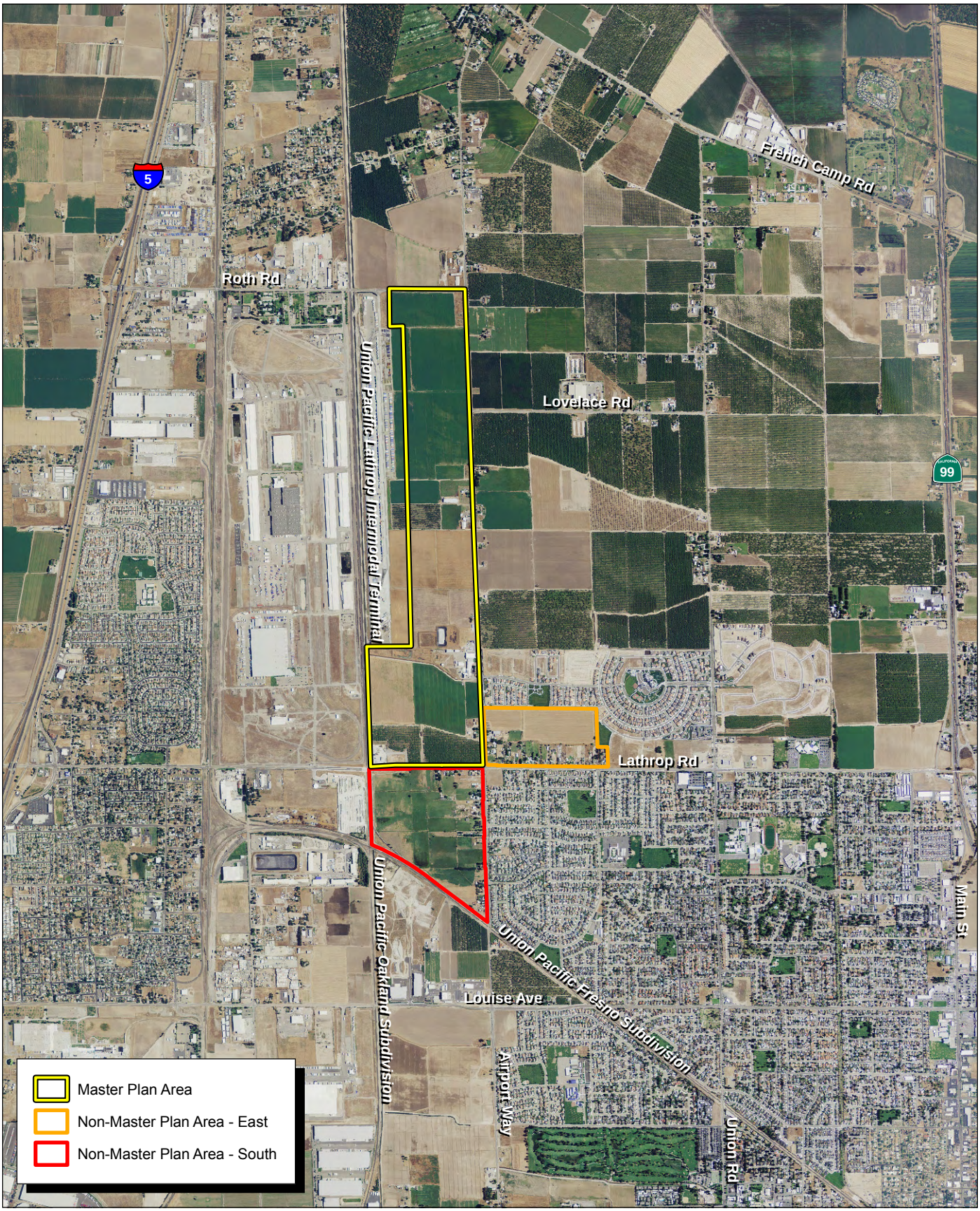
Source: Census 2000 Data, The CaSIL, MBA GIS 2009.

Michael Brandman Associates

NORTH

5 2.5 0 5 Miles

Exhibit 1
Regional Location Map



Source: NAIP for San Joaquin County (2009) & San Joaquin County Parcels (2008).

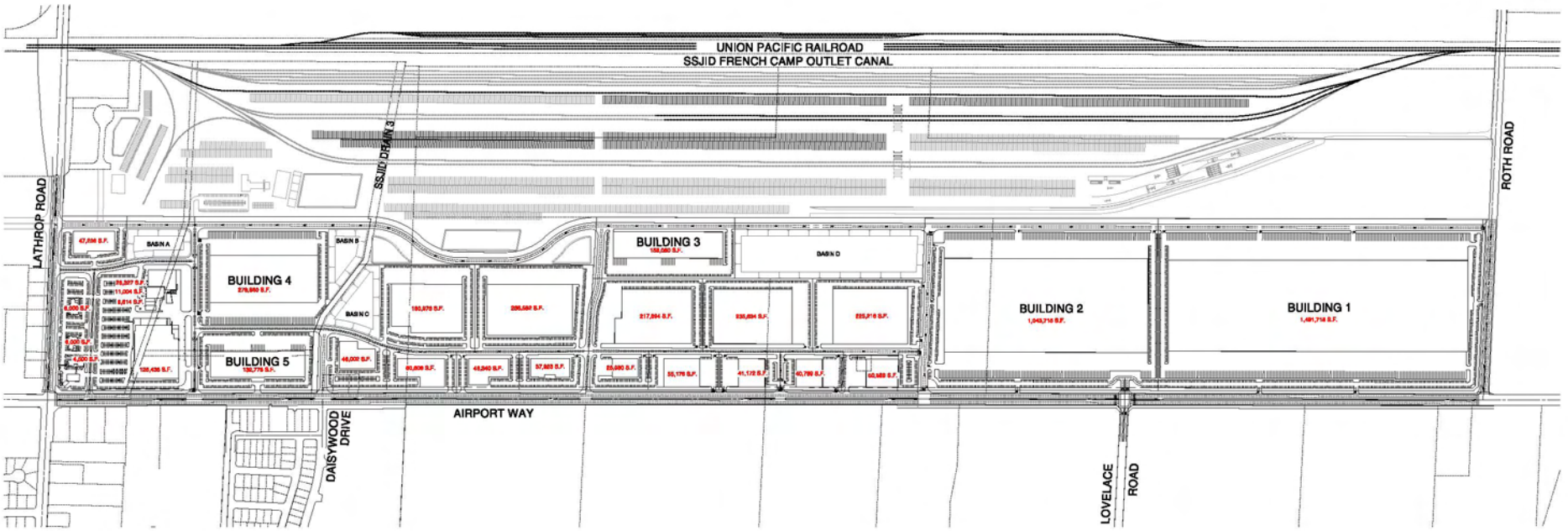
NORTH

3,000 1,500 0 3,000

Feet

Michael Brandman Associates

Exhibit 2
Local Vicinity Map
Aerial Base



Source: Strategic Planning Collaborative, LLC. (October 20, 2009).

NORTH

1,200 600 0 1,200 Feet

Michael Brandman Associates

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Exhibit 3
Master Plan Land Use Plan

SECTION 3: THRESHOLDS OF SIGNIFICANCE FOR IMPACTS FOR PROJECT OPERATIONS

3.1 - Health Risk-Based Thresholds

Any project with the potential to expose sensitive receptors or the general public to substantial levels of TACs would be deemed to have a potentially significant impact. A health risk is the probability that exposure to a given TAC under a given set of conditions will result in an adverse health effect. The health risk is affected by several factors, such as the amount, toxicity, and concentration of the contaminant; meteorological conditions; distance from the emission sources to people; the distance between emission sources; the age, health, and lifestyle of the people living or working at a location; and the length of exposure to the toxic air contaminant.

The term "risk" usually refers to the increased chance of contracting cancer as a result of an exposure, and it is expressed as a probability: chances-in-a-million. The values expressed for cancer risk do not predict actual cases that will result from exposure to toxic air contaminants. Rather, they state a probability of contracting cancer over and above the background level and over a given exposure to toxic air contaminants.

For non-cancer health effects, risk is denoted by a Hazard Index (HI) that expresses the relationship between exposure from the facility's TAC emissions and an "acceptable" level of exposure termed the reference exposure level (REL). It is a measure of the chance that area residences will experience non-cancer health problems.

The SJVAPCD has adopted the following OEHHA health risk significance thresholds:

- Maximum Incremental Cancer Risk: 10 in 1 million at the nearest sensitive receptor or offsite worker: and
- Non-cancer Hazard Index (project increment): 1.0 or greater.

The incremental cancer risk significance threshold above represents the increase in the probability (in terms of risk per million individuals) that an individual will contract cancer resulting from exposure to TACs from a project over a period of 70 years for residential receptors. Thus, for example, a residence located in an area with a cancer risk of one in one million will experience a one chance in one million of contracting cancer over a lifetime 70-year period from exposure to an emission source's TAC emissions, assuming that individual lives in that area for the entire 70-year time period.

SECTION 4: HEALTH RISK ASSESSMENT

A health risk assessment requires the completion and interaction of four general steps:

1. Quantify project-generated TAC emissions.
2. Identify nearby ground-level receptor locations that may be affected by the emissions (including any special sensitive receptor locations such as residences, schools, hospitals, convalescent homes, daycare centers, and offsite worker receptors).
3. Perform air dispersion modeling analyses to estimate ambient pollutant concentrations at each receptor location using project TAC emissions and representative meteorological data to define the transport and dispersion of those emissions in the atmosphere.
4. Characterize and compare the calculated health risks with the applicable health risk significance thresholds.

4.1 - Emission Inventory Development

The first requirement to carry out the assessment involves the process of identifying and quantifying the sources of TAC air emissions from the project, also termed an emission inventory. Each piece of equipment that emits is identified in terms of location and physical characteristics (release height, release temperature, etc.) as well as the chemical nature of the emissions. The predominant sources of TAC emissions from this project are associated with the DPM emitted from the diesel locomotives and delivery truck traffic that will service the project. DPM emissions from locomotives result from trains passing along rail spurs from the Lathrop Intermodal Terminal to the CIC facilities. Similarly, DPM emissions result from delivery truck exhaust during travel on the project site as well as from the idling of the trucks as they unload/load their contents at the various loading docks. The DPM emissions from the proposed project sources are described and quantified below.

4.1.1 - Emission Source Estimates – DPM from Motor Vehicles

DPM emissions from the various sources were calculated using information derived from the project description, train schedules, proposed project traffic report, and mobile source emission factors from the ARB EMFAC2007 emissions factor model[1].

Estimates of vehicle operations were derived from the traffic impact study prepared for the project (Fehr and Peers 2010). Four pieces of information are required to generate the mobile source emissions from the proposed project:

[1] An emission factor is a representative value that attempts to relate the quantity of a pollutant released to the atmosphere with an activity associated with the release of that pollutant. These factors are usually expressed as the weight of pollutant divided by a unit of activity, volume, distance, or duration of the activity emitting the pollutant (e.g., grams of pollutant emitted per vehicle-mile traveled or grams of pollutant emitted per brake-horsepower).

- Number of vehicle trips for each component of the proposed project;
- Types of vehicles that access the proposed project (passenger car vs. heavy duty truck and gasoline vs. diesel);
- The allocation of the vehicle trips to each building that comprises the proposed project; and
- Estimate of the vehicle emission factors for estimating exhaust and idling emissions.

Estimate of Vehicle Trips

The CIC portion of the proposed project is expected to generate 3,570 vehicle trips per day of which 47 percent would be passenger cars and the remaining 53 percent truck trips. The remainder of the master plan would generate a total of 12,756 trips per day of which 87 percent would be comprised of passenger cars and the remaining 13 percent as truck trips. The total number of vehicle trips at the final build out of the entire master plan would be 16,326 trips per day of which 78 percent would be comprised of passenger vehicle trips and 22 percent truck trips.

Estimate of Vehicle Types

The types of vehicles that would access the proposed project were derived from the trip data presented above, percentage of diesel-fueled vehicles for the SJVAPCD as taken from the URBEMIS land use emission model, and from the City of Fontana Truck Trip Generation Study (City of Fontana 2003). The URBEMIS model provides estimates of the percentage of the total vehicle population that are light duty passenger vehicles, light duty trucks, etc as well as the percentage of each vehicle type that is diesel-fueled. The Fontana study provides a breakdown of truck trips by number of axles for various industrial land uses. Vehicle types and the resulting vehicle trips were generated separately for the CIC and for the NAWMP as well as for each land use that would comprise the proposed project (e.g., high cube warehouse, light industrial, auto parts, and retail). The details of the emission calculation are provided in Appendix A of this report. Table 2 summarizes the vehicle trip information for the proposed project at the final build out in 2024.

Table 2: Proposed Project Vehicle Trip Summary

Vehicle Type	Daily Diesel Trips	Non-Diesel Daily Trips	Total Daily Trips
CenterPoint Intermodal Center			
Light Duty Auto	2	812	814
Light Duty Truck 1	13	218	232
Light Duty Truck 2	2	402	404
Medium Duty Truck	0	228	228
Light Heavy Duty Truck 1	98	295	393
Light Heavy Duty Truck 2	219	175	393

Table 2 (cont.): Proposed Project Vehicle Trip Summary

Vehicle Type	Daily Diesel Trips	Non-Diesel Daily Trips	Total Daily Trips
CenterPoint Intermodal Center			
Medium Heavy Duty Truck	464	84	549
Heavy Heavy Duty Truck	557	0	557
Subtotal	1,355	2,215	3,570
Remainder of NAWMP			
Light Duty Auto	11	5,344	5,355
Light Duty Truck 1	88	1,435	1,524
Light Duty Truck 2	13	2,647	2,661
Medium Duty Truck	0	1,502	1,502
Light Heavy Duty Truck 1	102	307	410
Light Heavy Duty Truck 2	207	165	372
Medium Heavy Duty Truck	349	64	413
Heavy Heavy Duty Truck	521	0	521
Subtotal	1,292	11,464	12,756
NAWMP Total			
Light Duty Auto	12	6,156	6,168
Light Duty Truck 1	102	1,653	1,755
Light Duty Truck 2	15	3,050	3,065
Medium Duty Truck	0	1,730	1,730
Light Heavy Duty Truck 1	201	602	803
Light Heavy Duty Truck 2	425	340	765
Medium Heavy Duty Truck	813	148	961
Heavy Heavy Duty Truck	1,078	0	1,078
Total Project	2,647	13,679	16,326
Source: see Appendix A			

Estimate of Vehicle Trip Allocation

The next step in the handling of vehicle trips was to allocate the vehicle trips to each building that would comprise to proposed project. This step is necessary to ensure that the various vehicle trips are made to the appropriate building. This step was accomplished by allocating the various trips according to the size of the individual building and land use type. Although the exact building layout and design are only proposed at this time, for the purpose of this assessment, the CIC component of the proposed project was assumed to be comprised of five buildings while the remainder of the

NAWMP was comprised of fifteen buildings as displayed in Exhibit 4 and summarized in Table 3 for the final build out year of 2024.

Table 3: Vehicle Trip Allocation

Building	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Daily Trips
CenterPoint Intermodal Center			
1	621	1,056	1,676
2	434	739	1,173
3	74	104	177
4	153	215	368
5	73	102	175
Subtotal	1,355	2,215	3,570
Remainder of Master Plan			
1	101	171	272
2	105	179	284
3	97	166	263
4	106	180	286
5	81	138	219
6	72	101	173
7	58	81	139
8	59	82	141
9	78	110	188
10	36	50	86
11	54	75	129
12	69	96	165
13	72	101	173
14	113	869	982
15 (Retail)	192	9,065	9,257
Subtotal	1,292	11,464	12,756
NAWMP Total			
All Buildings	2,647	13,679	16,326
Source: see Appendix A			

Estimate of Emission Factors

The DPM emission factors for the various vehicle types were derived from the ARB EMFAC2007 mobile source emission model. The factors were derived for the SJVAPCD for the years 2014, the build out year for the CIC portion of the proposed project; 2019, the build out year for the CIC portion of the proposed project and the industrial portion of the remainder of the NAWMP; and for the year 2024, the build out year for the entire NAWMP. Emissions were estimated while the vehicles travel along travel links from the entrance to the proposed project to the respective buildings and while idling at the buildings during loading or unloading materials. All vehicles were assumed to travel on site at a speed of 15 miles per hour. Delivery vehicles were assumed to idle for a maximum of 5 minutes per vehicle per day, in keeping with the CARB Air Toxic Control Measure (ATCM), which regulates truck idling time (CARB 2005). Table 7 provides the emission factors used in this assessment. As noted from Table 4, the DPM emissions on both the gram per mile and gram per idle hour bases decline beyond 2014 for all vehicle classes and in particular the heavy-heavy duty truck class (the 4+ axle "big rig" trucks). This is due to the ARB emission requirements on heavy-duty trucks that require either the replacement of older trucks with cleaner trucks and the installation of diesel particulate matter filters on the truck fleet.

Table 4: DPM Emission Factors for the Proposed Project

Vehicle Class	2014	2019	2024
Exhaust Emissions (grams/mile)[(1)]			
Light Duty Auto	0.180	0.145	0.105
Light Duty Truck 1	0.084	0.081	0.080
Light Duty Truck 2	0.146	0.122	0.108
Medium Duty Truck	0.080	0.076	0.070
Light Heavy Duty Truck 1	0.064	0.057	0.049
Light Heavy Duty Truck 2	0.072	0.057	0.045
Medium Heavy Duty Truck	0.415	0.305	0.257
Heavy Heavy Duty Truck	0.663	0.281	0.135
Idling Emissions (grams per idle-hour)[(1),(2)]			
Light Heavy Duty Truck 1	0.778	0.777	0.781
Light Heavy Duty Truck 2	0.896	0.848	0.823
Medium Heavy Duty Truck	1.005	0.912	0.852
Heavy Heavy Duty Truck	1.255	0.664	0.345

Notes:
(1) EMFAC2007 emission factors for the SJVAPCD
(2) EMFAC2007 provides idle emission factors for only heavy duty trucks

4.1.2 - Emission Source Estimates – DPM from Locomotives

Locomotives are expected to be used to transfer products to and from rail cars to several buildings located within the CIC. Information provided by the applicant indicates that the proposed project would be served by a switcher locomotive on a twice per week schedule. The switcher locomotive was assumed to operate for three hours during each visit to deliver and pickup rail cars from the buildings serviced by the locomotive. The locomotive emission factors used to estimate DPM emissions from locomotive usage were derived from information published by the EPA (EPA 2009) for switcher locomotives in 2014, 2019 and 2024. The relevant locomotive emission information is provided in Table 5. Locomotive DPM emissions were estimated over rail spurs that border the western edge of the CIC property line adjacent to buildings 1, 2, and 3, which would be serviced by the locomotive.

Table 5: Locomotive DPM Emission Assumptions

Information	Assumption
Switcher Locomotive Schedule	Two days per week, 3 hours per day
DPM Emission Factor(1)	In 2014: 4.8 grams/gallon or 0.316 grams/hp-hr In 2019: 4.4 grams/gallon or 0.289 grams/hp-hr In 2024: 3.5 grams/gallon or 0.164 grams/hp-hr
Locomotive Notch Setting(2)	Notch setting of 2; average power at notch setting: 249 hp
Notes: (1) USEPA 2009 (2) Port of Long Beach 2007 Air Emission Inventory (Starcrest 2009)	

4.1.3 - Emission Source Estimates – DPM from All Sources

Table 6 summarizes the total DPM emissions from the project for the CIC build out year of 2014, 2019 for the CIC build out plus the industrial portion of the NAWMP, and for 2024 the build out year for the entire NAWMP for all sources. The variations in emissions between years reflect changes in the emission factors for heavy-duty trucks and locomotives as well as the continued development of the proposed project from the CIC build out year of 2014. Thus even though a greater portion of the NAWMP becomes operational in 2019 and 2024, the total DPM emissions are lower in 2019 and 2024 compared to 2014 due to the reductions in future emissions from both the heavy duty trucks and locomotives.

Table 6: Annual Total DPM Emissions

DPM Emission Source	2014 Annual DPM Emissions (tons/year)	2019 Annual DPM Emissions (tons/year)	2024 Annual DPM Emissions (tons/year)
Emissions from Diesel Trucks			
Exhaust emissions while traveling onsite	0.123	0.067	0.065
Idling emissions	0.024	0.018	0.026
Subtotal	0.147	0.085	0.091
Locomotive Emissions	0.027	0.025	0.020
Total	**0.174**	**0.110**	**0.111**
Source: see Appendix A			

4.1.4 - Emission Source Characterization

Each of the emission source types described above also requires geometrical and emission release specifications for use in the air dispersion model. Table 7 provides a summary of the assumptions used to configure the various emission sources. The following definitions are used to characterize the emission source geometrical configurations referred to in Table 7:

Point source: A single identifiable local source of emissions; it is approximated in the AERMOD air dispersion model as a mathematical point in the modeling region with a location and emission characteristics such as height of release, temperature, etc., for example, a truck idle location.

Line source: A series of volume sources along a path, for example, vehicular traffic along a roadway or locomotive travel along a rail line.

Table 7: Summary of Emission Source Configurations

Emission Source Type	Geometric Configuration	Relevant Assumptions
Onsite Diesel Truck Traffic	Line Sources	• See Table 3 for an inventory of diesel vehicle operations. • Stack release height: 6 feet • Vehicle speed: 15 mph • Length of the line source (distances from the facility entrances along Airport Way to the various loading docks) • Vehicle types: all diesel vehicles • Emission factor: CARB EMFAC2007
Onsite Diesel Truck Idling	Point Sources located at each facility	• Stack release height: 12 feet • Stack release characteristics > Stack diameter: 0.3 feet > Stack velocity: 170 feet/sec > Stack temperature: 200°F
		• Idle time: 5 minutes per truck per day, according to CARB 2005 • Vehicle type: heavy-duty diesel delivery trucks • Emission factor: CARB EMFAC2007
Onsite Switcher Locomotive	Line Source	• Effective stack height: 26 feet • Average Notch Setting: 2 • Average power in Notch Setting: 246 hp • Emission Factor : EPA 2009

Exhibit 4 provides the location of the various project facilities and emission source locations for the final NAWMP build out year of 2024.

4.2 - Receptor Network

The assessment requires that a network of receptors be specified where the impacts can be computed at the various locations surrounding the project. Receptors were located at existing residences surrounding the proposed project namely to the east and south of the project. In addition, the identified sensitive receptors locations were supplemented by the specification of a modeling grid that extended to the east and south of the proposed project to identify other potential locations of impact. The locations of the receptors are shown in Exhibit 5.

4.3 - Dispersion Modeling

The next step in the assessment process utilizes the emissions inventory along with a mathematical air dispersion model and representative meteorological data to calculate impacts at the various receptor locations. The dispersion model used in this assessment is described below.

4.3.1 - Model Selection

Compliant with guidance from the OEHHA and the SJVAPCD, the health risk assessment of DPM emissions from this project applied the USEPA AERMOD Model. The AERMOD model is a methodology required by the SJVAPCD for use in performing health risk assessments involving DPM. AERMOD predicts pollutant concentrations from point, area, volume, line, and flare sources, with variable emissions in terrain from flat to complex with the inclusion of building downwash effects from buildings on pollutant dispersion. It captures the essential atmospheric physical processes and provides reasonable estimates over a wide range of meteorological conditions and modeling scenarios.

4.3.2 - General Model Assumptions

The basic options used in the dispersion modeling are summarized in Table 8.

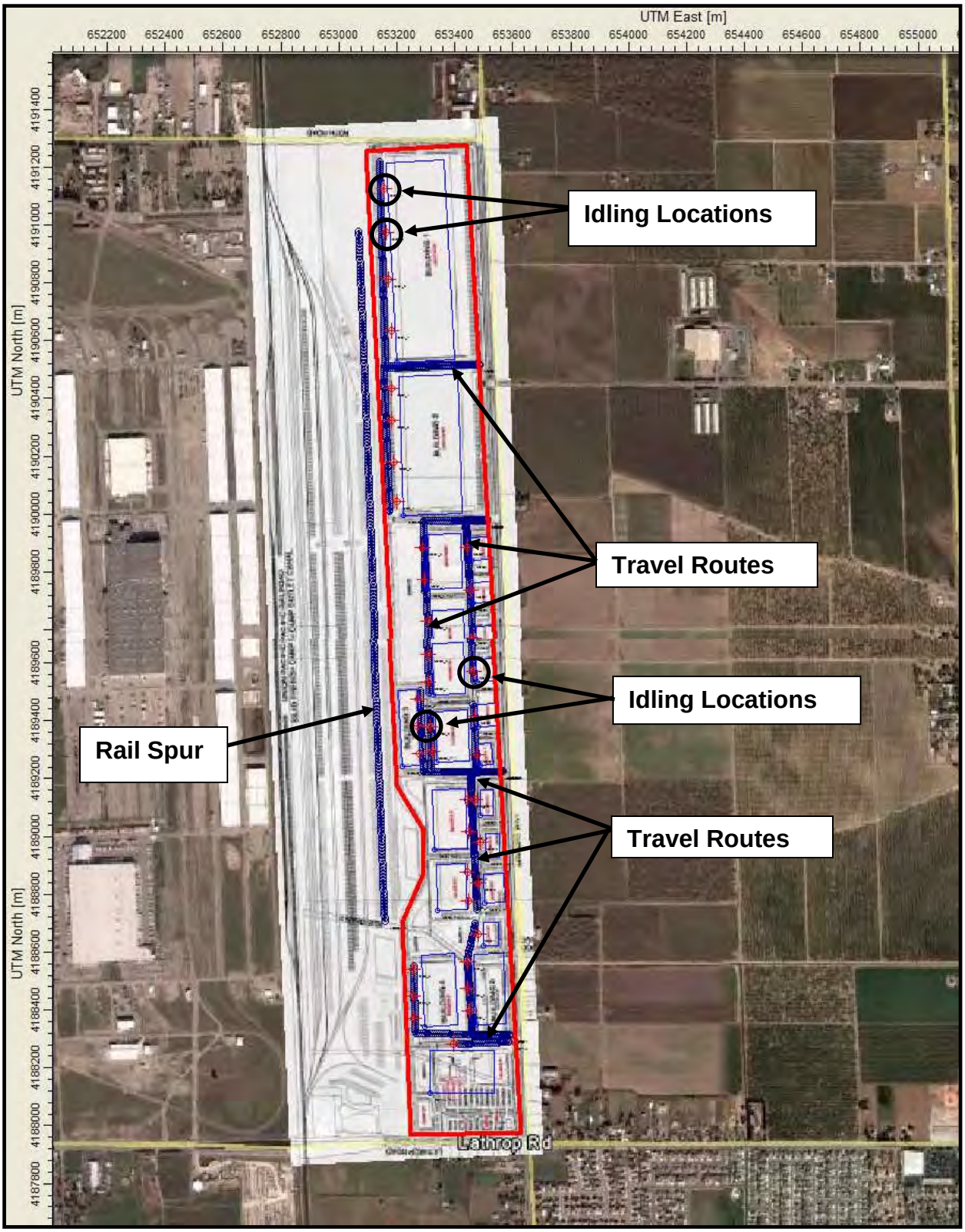
Table 8: General Modeling Assumptions – AERMOD Model

Feature	Option Selected
Terrain processing	Flat terrain
Emission source configuration	See Table 7
Regulatory dispersion options	Default
Land use	Urban
Coordinate system	UTM
Building downwash	Included in calculations
Receptor height	1.5 meters above ground
Averaging time	Period average from 2004 to 2008

As indicated in Table 8, the analysis takes into account the effects of building downwash on the dispersion of emissions from the various sources located on the project's property. Building downwash occurs when the aerodynamic turbulence, induced by nearby buildings, cause pollutants emitted from an elevated source to be mixed rapidly toward the ground (downwash). This results in potentially higher ground-level concentrations than if the buildings were not present. The AERMOD dispersion model contains algorithms to account for building downwash effects. The required information includes the location of the emission source; the location of adjacent buildings; and the building geometry in terms of length, width, and height. For purposes of this analysis, the emission source and building locations were taken from the project site plan. The building geometries were derived from the project plan, assuming a building height of 40 feet for the largest buildings and 35 feet for the light industrial and retail buildings.

Meteorological Data

Hourly meteorological data consisting of air temperature, wind speed, wind direction, and atmospheric mixing heights are also required to operate the AERMOD model to determine the direction and rate of dispersion of emissions released into the atmosphere. The closest source of meteorological data is from the NWS station at Stockton. The data was preprocessed and obtained from the SJVAPCD. The Stockton station is approximately 3 miles from the project site in Manteca. The most recent meteorological data available covers the years 2004 to 2008. This modeling assessment applied all 5 years of data. Exhibit 6 provides a wind rose from the Stockton meteorological data site for 5 years of data. As this exhibit indicates, the predominant winds at this location are from the west and west-northwest directions. These data are considered representative and descriptive of current and future meteorological conditions at the project site.



Michael Brandman Associates

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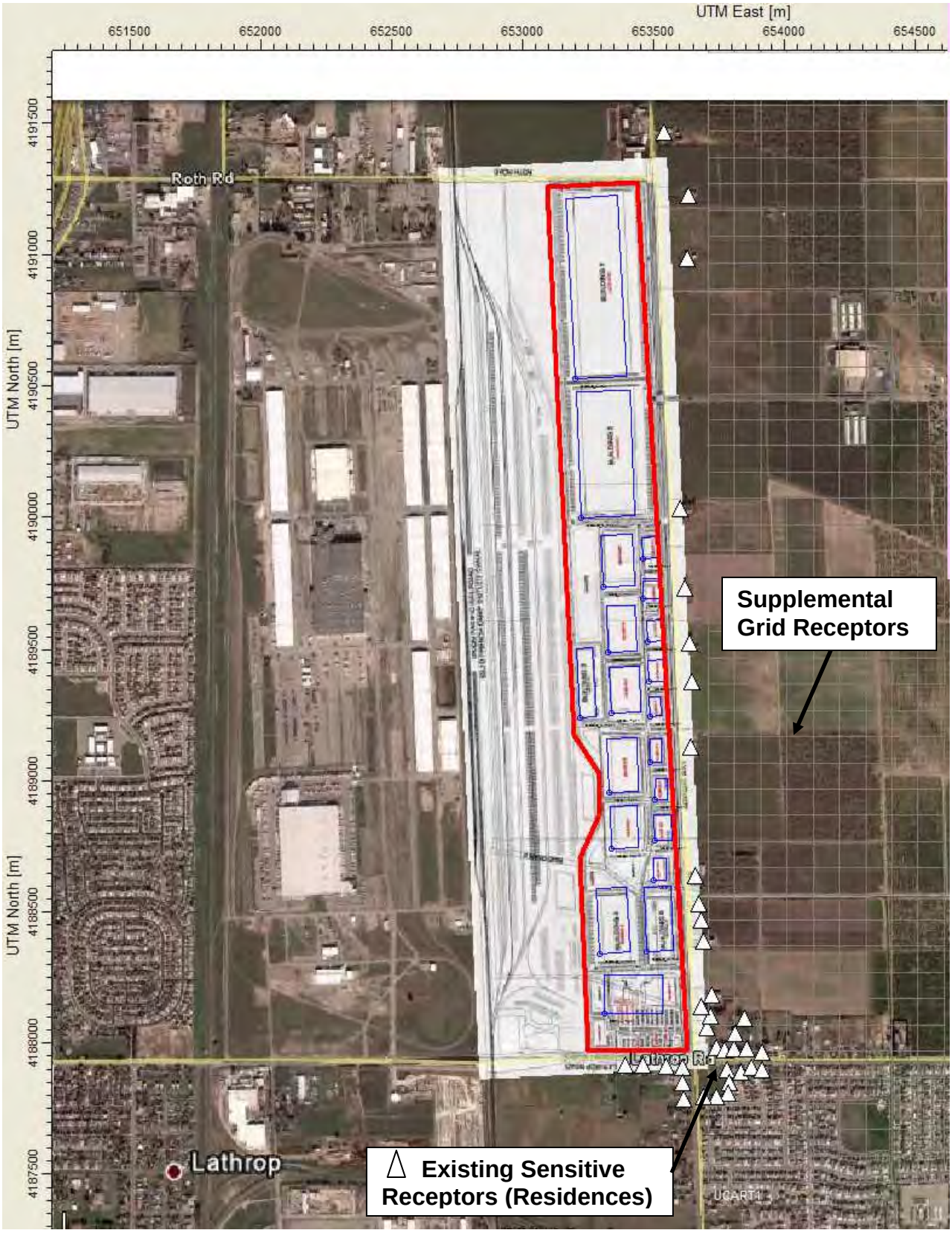
Exhibit 4
Emission Source Locations - 2024



Michael Brandman Associates

Exhibit 5
Receptor Locations

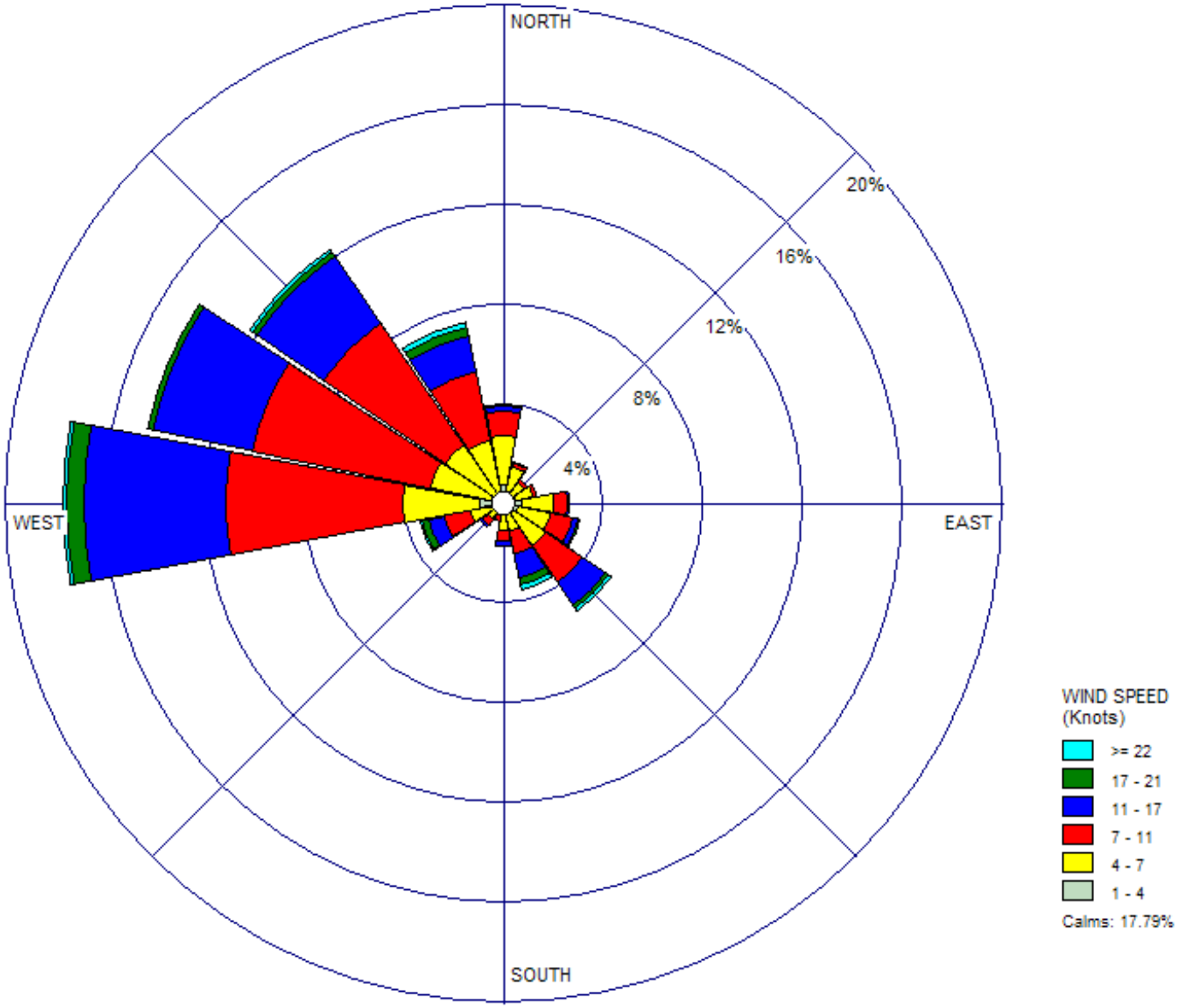


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Exhibit 6
Wind Rose – Stockton (2004 – 2008)

4.4 - Health Risk Assessment Results – Toxic Air Contaminants

4.4.1 - Health Risk Assessment Methodology

The health risk assessment of toxic air contaminants requires the application of a risk characterization model to the results from the air dispersion model to estimate potential health risks at each sensitive receptor location. A health risk assessment is a guide that helps to determine if current or future exposure to a chemical or substance could affect the health of a population. The State of California OEHHA develops methods for conducting health risk assessments. As defined under the Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588 [Chapter 1252, Statutes of 1987, California Health and Safety Code Section 44306]), "A health risk assessment means a detailed comprehensive analysis prepared pursuant to Section 44361 to evaluate and predict the dispersion of hazardous substances in the environment and the potential for exposure of human populations and to assess and quantify both the individual and population-wide health risks associated with those levels of exposure."

Diesel Particulate Matter Emission Health Risk Assessment Methodology

The cancer risk from DPM is calculated by multiplying the annual average DPM concentration calculated using the AERMOD model and an inhalation exposure factor as expressed in Equation 1 (EQ-1) below.

$$\text{Cancer Risk} = C_{air} \times \text{Inhalation Exposure Factor} \times 10^{6} \qquad \text{(EQ-1)}$$

Where:

Cancer Risk = Total individual excess cancer risk defined as the cancer risk a hypothetical individual faces if exposed to carcinogenic emissions from a particular facility for specified exposure durations; this risk is defined as an excess risk because it is above and beyond the background cancer risk to the population. Cancer risk is expressed in terms of risk per million exposed individuals.

C_{air} = Annual average DPM concentration calculated from the AERMOD model in $\mu g/m^3$

The inhalation exposure factor is the most important exposure pathway to impact human health from DPM and is defined as follows:

$$\text{Inhalation Exposure Factor} = \text{CPF} \times \text{DBR} \times (\text{EF} \times \text{ED})/\text{AT} \times 10^{-6} \qquad \text{(EQ-2)}$$

Where:

CPF = Inhalation cancer potency factor for DPM $(mg/kg\text{-}day)^{-1}$
DBR = Daily breathing rate (liters/kg-day)
EF = Exposure frequency (days/year)
ED = Exposure duration (years)
AT = Averaging time period over which exposure is averaged (days)

The values of the parameters shown in Equation 2 are defined in Table 7: Values of the Inhalation Exposure Factor for DPM.

Table 7: Values of the Inhalation Exposure Factor for DPM

Receptor	CPF $(mg/kg\text{-}day)^{-1}$	DBR (liters/kg-day)	EF (days/year)	ED (years)	AT (days)
Sensitive Receptor/Residential	1.1	393	350	70	25,550
Source: OEHHA 2003; SJVAPCD 2007.					

Non-Cancer Risk

Toxic air contaminants can also cause chronic (long-term) effects related to non-cancer illnesses such as reproductive effects or birth defects, or adverse environmental effects. Non-cancer health risks are conveyed in terms of the HI, a ratio of the predicted concentration of the facility's reported emissions to a concentration considered acceptable to public health professionals. A significant risk is defined as an HI of 1 or greater. An HI of less than 1 indicates that no significant health risks are expected from the facility's TAC emissions. The relationship for the non-cancer risks of DPM, the relevant TAC of concern for this project, is given by the following equation:

$$HI_{DPM} = C_{air}/REL_{DPM} \quad \text{(EQ-3)}$$

Where:

HI_{DPM} = Hazard Index: an expression of the potential for non-cancer health risks

C_{air} = Annual average DPM concentration ($\mu g/m^3$)

REL_{DPM} = Reference Exposure Level for DPM: the DPM concentration at which no adverse health effects are anticipated; the chronic REL for DPM was established by the OEHHA as 5 $\mu g/m^3$

The OEHHA ahs not yet defined an acute non-cancer REL for DPM. Therefore, only the chronic non-cancer impacts are considered in this assessment.

4.4.2 - Toxic Air Contaminant Health Risk Assessment Results Cancer Impacts

The total individual excess cancer risk as determined by this health risk assessment is summarized in Table 9 for the build out years 2014 for the CIC, 2019 for the CIC and the industrial portion of the remainder of the NAWMP, and 2024 for final build out of the NAWMP.

Table 9: Summary of Cancer Risks at Sensitive Receptors

CenterPoint Intermodal Center and the Northwest Airport Master Plan			
Project Year	**Location**	**Cancer Risk (risk per million)**	**Significance Threshold (risk per million)**
2014	Maximum Exposed Residential Receptor(1)	8.5	10
2019	Maximum Exposed Residential Receptor(2)	9.7	10
2024	Maximum Exposed Residential Receptor(3)	6.4	10

Notes:
(1) The location of the maximum exposed cancer risk at an existing residential receptor occurs at a residence located 85 meters east of the project site across Airport Way opposite Building 2 of the CIC. The highest cancer risk in the modeling domain was 13.9 in one million at a currently vacant location 213 meters across Airport Way from Building 2.
(2) . The location of the maximum exposed cancer risk at an existing residential receptor occurs at a residence located 80 meters east of the project site across Airport Way opposite Building 11 of the Master Plan. The highest cancer risk in the modeling domain was at this same location.
(3) The location of the maximum exposed cancer risk at an existing residential receptor occurs at a residence located 80 meters east of the project site across Airport Way opposite Building 11 of the Master Plan. The highest cancer risk in the modeling domain was at this same location.

Source: See Appendix B for the health risk assessment modeling results.

As shown in Table 9, the excess cancer risks associated with the operation of the project are not expected to exceed the cancer risk significance level of 10 in a million at any nearby existing sensitive receptor during any build out year. However, a maximum cancer risk of 13.9 was noted in the case of the year 2014 at a currently vacant location downwind of the proposed project.

4.4.3 - Toxic Air Contaminant Health Risk Assessment Results – Non-Cancer Impacts

The highest chronic non-cancer Hazard Index was calculated to be 0.004, which is three orders of magnitude less than the significance threshold of 1.

4.5 - Risk Assessment Uncertainty

There are substantial uncertainties involved in assessing the health risk of air pollutants. There are uncertainties in dispersion modeling, toxicological factors, and exposure assessment. The methodology described above for assessing health risks involving emission estimations, dispersion modeling, and toxicity risk factors have been developed to provide conservative results (in terms of over-predicting impacts).

The OEHHA (2003) recommends using the 70-year exposure duration for determining residential cancer risks. Although it is unlikely that people will reside at a single residence for 70 years, it is common that people will spend their entire lives in a major urban area. While residing in urban areas, it is very possible to be exposed to the emissions of other facilities. In order to help ensure that people do not accumulate an excess unacceptable cancer risk from cumulative exposure to stationary facilities at multiple residences, OEHHA recommends the 70-year exposure duration for risk management decisions. However, it is important to note that a person who has resided in his or her

current residence for fewer than 70 years will have a cancer risk less than what is calculated for a 70-year risk. Nonetheless, this assessment attempts to be conservative and provide a worst-case scenario for exposure.

Further, the factors used to calculate emissions reference a particular fleet year: 2014, 2019 or 2024. The cancer risk projected for 2014, for instance, is assumed to apply over the next 70 years. Similarly, the cancer risk projected for 2019 and 2024 are also assumed to apply over the next 70 years However, emission projections using the CARB EMFAC mobile source emission model indicate that mobile source diesel emission factors will decline substantially over the next 30 years, particularly for the heavy heavy-duty truck vehicles. This is due to the replacement of older trucks fleets with newer and much cleaner trucks and the addition emission controls added to the existing fleet of trucks. This movement to cleaner trucks and reduced truck emissions is the result of the truck emission requirements adopted by the ARB. This fact is exemplified in Table 4, which shows a significant decrease in DPM emission factors for heavy-duty vehicles from 2014 to 2024. Therefore, the cancer risks estimated in this assessment provide conservative results in terms of over-estimating potential impacts from the operation of the proposed project.

Finally, the guidance from the SJVAPCD in estimating cancer risk assumes a daily breathing rate that is at the 95th percentile of the rate estimates. On the other hand, the ARB recommends the use of the 80th percentile daily breathing rate (ARB 2008). This difference results in a further increase in estimated cancer risk of roughly 30 percent by using the SJVAPCD daily breathing rate compared to the ARB recommendation.

SECTION 5: REFERENCES

CARB 1998 California Air Resources Board. Identification of Diesel Exhaust as a Toxic Air Contaminant. Website: http://www.arb.ca.gov\regact\regup98.htm#diesltac.

CARB 2005 California Air Resources Board. Air Toxic Control Measure: Requirements to Reduce Idling Emissions from New and In-Use Trucks, Beginning in 2008. Website: http://www.arb.ca.gov/toxics/idling/outreach/factsheet.pdf.

CARB 2006 California Air Resources Board. EMission FACtors model, Version EMFAC2007. Website: http://www.arb.ca.gov/msei/onroad/latest_version.htm.

CARB 2008 California Air Resources Board. ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk – Frequently Asked Questions. Website: http://www.arb.ca.gov/toxics/harp/rmpolicyfaq.htm

CARB 2010 California Air Resources Board. California Almanac of Emissions and Air Quality - 2009 Edition. Website: http://www.arb.ca.gov/aqd/almanac/almanac09/almanac09.htm.

EPA 2006 United States Environmental Protection Agency. AMS/EPA Regulatory Model (AERMOD) . Website: http://www.epa.gov/scram001/dispersion_prefrec.htm#rec.

EPA 2009 United States Environmental Protection Agency. Emission Factors for Locomotives. EPA-420-F-09-025. April 2009. Website: http://www.epa.gov/nonroad/locomotv/420f09025.pdf

Fehr and Peers 2010 Fehr and Peers. Draft Transportation Impact Study for Northwest Airport Way Master Plan.

OEHHA 2003 California Environmental Protection Agency, Office of Environmental Health Hazard Assessment. Air Toxics Hot Spots Program Risk Assessment Guidelines. The Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Website: http://www.oehha.ca.gov/air/hot_spots/HRSguide.html#download.

SJVAPCD 2007. Guidance for Air Dispersion Modeling Working Draft. January.

Starcrest 2009 Starcrest Consulting Group. Port of Long Beach 2007 Air Emission Inventory. Website: http://www.polb.com/civica/filebank/blobdload.asp?BlobID=6021

Appendix A:
DPM Emissions

Northwest Airport Way Master Plan **2014**

DPM Emissions

Emission Assumptions - CIC Only

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Traffic

(1) EMFAC2007

(a) Winter Meteorology

Temperature: 65 degF

Relative Humidity: 60 %

(b) Calculations for SJVAPCD

(c) Truck Mix

Urbemis/Traffic Impact Study used to derive fleet mix

Urbemis to derive the number of diesel truck vehicles

(d) Vehicle Travel Speed

Onsite Travel 15 mph

Idle Speed 0 mph

(e) Truck Idle time: 5 minutes (truck idling only applies to LHDT1, LHDT2, MHDT, and HHDT diesel vehicles)

(f) Emission factors for DPM emissions

(g) Emissions calculated for 2014

Traffic Allocation

1) Traffic was allocated to each building as a function of building size (square footage) and function
2) Trip generation from the traffic study - Fehr and Peers 2010
3) Onsite travel emssions generated from diesel at all buildings
4) Onsite idling emissions generated only by heavy duty diesel trucks

Emission Source Configuration

1) Vehicle traffic represented by a line source
2) Onsite idling represented as a point source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
CIC-Building 1	1050
CIC Building 2	810
CIC Building 3	550
CIC Building 4	570
CIC Building 5	400

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for Offices/Commercial (hr):	24

Northwest Airport Way Master Plan **2014**
Vehicle Fleet Mix

	Building Size (sq-ft)	Land Use	Summary	
CIC Portion of Master Plan				
CIC: Building 1	1491718	High Cube	High Cube =	2535433 sq-ft
CIC: Building 2	1043715	High Cube	Light Industrial =	641567 sq-ft
CIC: Building 3	158050	Light Industrial	Total=	3177000 sq-ft
CIC: Building 4	327554	Light Industrial		
CIC: Building 5	155963	Light Industrial		
Subtotal	3177000			

Trip Generation - CIC

	trips/day (Non-PCE)
Total New Trips	3570
CIC - High Cube	2849
CIC - Light Industrial	721
Total	3570

Vehicle Fleet for CIC High Cube

	F & P (2010) Vehicle Distribution	URBEMIS Default Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	47.0%	48.3%	0	0	647	647
LDT1		13.8%	3.3	6	179	185
LDT2		24.2%	0	0	324	324
MDT		13.7%	0	0	183	183
SubTotal		100.0%		6	1333	1339
Trucks	53.0%					
LHDT1 (2 axle truck)		21.9%	25	83	248	331
LHDT2		21.9%	55.6	184	147	331
MHDT (3 axle truck)		31.8%	84.6	406	74	480
HHDT (4+ axle truck)		24.4%	100	368	0	368
SubTotal		100.0%		1041	469	1510
	100.0%			1047	1802	2849

Vehicle Fleet for CIC - Light Industrial

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	47.0%	48.3%	0	0	164	164
LDT1		13.8%	3.3	2	45	47
LDT2		24.2%	0	0	82	82
MDT		13.7%	0	0	46	46
Subtotal		100.0%	0	2	337	339
Trucks	53.0%					
LHDT1		16.4%	25	16	47	63
LHDT2		16.4%	55.6	35	28	63
MHDT		17.9%	84.6	58	11	68
HHDT		49.3%	100	188	0	188
Subtotal		100.0%		297	85	382
Total	100.0%			298	423	721

Fehr & Peers 2010, Traffic Impact Study
Vehicle Fleet Mix taken from URBEMIS2007 V9.2.4 for the SJVAPCD in 2014 and the City of Fontana Truck Trip Generation Study (Fontana 2003)
URBEMIS % Diesel taken from URBEMIS2007 V9.2 for the SJVAPCD in 2019

Northwest Airport Way Master Plan

Trip Distribution by Land Use and Building

Center Point Intermodal Center

Land Use: High Cube

Building	Size (sq-ft)	% Total Land Use
1	1491718	58.8%
2	1043715	41.2%
Subtoal	2535433	1

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	0	4	0	0	49	108	239	217	616
2	0	3	0	0	34	76	167	152	431
Subtotal	0	6	0	0	83	184	406	368	1047

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	381	105	191	108	146	86	44	0	1060
2	266	74	133	76	102	60	30	0	742
Subtotal	647	179	324	183	248	147	74	0	1802
Grand Total	647	185	324	183	331	331	480	368	2849

Land Use: Light Industrial

Building	Size (sq-ft)	% Total Land Use
3	158050	24.6%
4	327554	51.1%
5	155963	24.3%
Total	641567	100.0%

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
3	0	0	0	0	4	9	14	46	73
4	0	1	0	0	8	18	30	96	152
5	0	0	0	0	4	8	14	46	73
Subtotal	0	2	0	0	16	35	58	188	298

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
3	40	11	20	11	12	7	3	0	104
4	84	23	42	24	24	14	5	0	216
5	40	11	20	11	11	7	3	0	103
Subtotal	164	45	82	46	47	28	11	0	423
Grand Total	164	47	82	46	63	63	68	188	721

Land Use: CIC All Buildings

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Diesel	0	8	0	0	98	219	464	557	1346
Non-Diesel	810	224	406	230	295	175	84	0	2224
Total	810	232	406	230	393	393	549	557	3570

Northwest Airport Way Master Plan
Diesel Vehicle Emissions **DPM**

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Roadway Links Modeled **DPM Emissions**

Link	Truck Type	Volume Source Length of side(ft)	Volume Source Length (m)	Average Speed (mph)	Emission Factor (g/mi)	Trips per day (in and out)	Link Length (m)	Link Length (mi)	Daily Ave Emissions Over Link (lb/yr)	Daily Ave Emissions (lbs/day)	Total Annual Emissions (tons/yr)	Daily Ave Emissions (g/sec)
Travel to CIC- Building 1	**LDA**	12	3.66	15	0.180	0	1050	0.65	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LDT1	12	3.66	15	0.084	4	1050	0.65	1.580E-01	4.33E-04	7.902E-05	2.28E-06
	LDT2	12	3.66	15	0.146	0	1050	0.65	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	MDT	12	3.66	15	0.080	0	1050	0.65	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.064	49	1050	0.65	1.632E+00	4.47E-03	8.162E-04	2.35E-05
	LHDT2	12	3.66	15	0.072	108	1050	0.65	4.084E+00	1.12E-02	2.042E-03	5.88E-05
	MHDT	12	3.66	15	0.415	239	1050	0.65	5.201E+01	1.43E-01	2.601E-02	7.49E-04
	HHDT	12	3.66	15	0.663	217	1050	0.65	7.537E+01	2.06E-01	3.768E-02	1.09E-03
Travel to CIC -Building 2	**LDA**	12	3.66	15	0.180	0	810	0.50	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LDT1	12	3.66	15	0.084	3	810	0.50	8.530E-02	2.34E-04	4.265E-05	1.23E-06
	LDT2	12	3.66	15	0.146	0	810	0.50	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	MDT	12	3.66	15	0.080	0	810	0.50	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.064	34	810	0.50	8.811E-01	2.41E-03	4.406E-04	1.27E-05
	LHDT2	12	3.66	15	0.072	76	810	0.50	2.205E+00	6.04E-03	1.102E-03	3.17E-05
	MHDT	12	3.66	15	0.415	167	810	0.50	2.807E+01	7.69E-02	1.404E-02	4.04E-04
	HHDT	12	3.66	15	0.663	152	810	0.50	4.068E+01	1.11E-01	2.034E-02	5.86E-04
Travel to CIC - Building 3	**LDA**	12	3.66	15	0.180	0	550	0.34	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LDT1	12	3.66	15	0.084	0	550	0.34	8.771E-03	2.40E-05	4.386E-06	1.26E-07
	LDT2	12	3.66	15	0.146	0	550	0.34	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	MDT	12	3.66	15	0.080	0	550	0.34	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.064	4	550	0.34	6.785E-02	1.86E-04	3.392E-05	9.77E-07
	LHDT2	12	3.66	15	0.072	9	550	0.34	1.698E-01	4.65E-04	8.488E-05	2.44E-06
	MHDT	12	3.66	15	0.415	14	550	0.34	1.625E+00	4.45E-03	8.125E-04	2.34E-05
	HHDT	12	3.66	15	0.663	46	550	0.34	8.451E+00	2.32E-02	4.226E-03	1.22E-04
Travel to CIC - Building 4	**LDA**	12	3.66	15	0.180	0	570	0.35	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LDT1	12	3.66	15	0.084	1	570	0.35	1.884E-02	5.16E-05	9.419E-06	2.71E-07
	LDT2	12	3.66	15	0.146	0	570	0.35	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	MDT	12	3.66	15	0.080	0	570	0.35	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.064	8	570	0.35	1.457E-01	3.99E-04	7.286E-05	2.10E-06
	LHDT2	12	3.66	15	0.072	18	570	0.35	3.646E-01	9.99E-04	1.823E-04	5.25E-06
	MHDT	12	3.66	15	0.415	30	570	0.35	3.490E+00	9.56E-03	1.745E-03	5.02E-05
	HHDT	12	3.66	15	0.663	96	570	0.35	1.815E+01	4.97E-02	9.076E-03	2.61E-04
Travel to CIC Building 5	**LDA**	12	3.66	15	0.180	0	400	0.25	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LDT1	12	3.66	15	0.084	0	400	0.25	6.295E-03	1.72E-05	3.147E-06	9.06E-08
	LDT2	12	3.66	15	0.146	0	400	0.25	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	MDT	12	3.66	15	0.080	0	400	0.25	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.064	4	400	0.25	4.869E-02	1.33E-04	2.435E-05	7.01E-07
	LHDT2	12	3.66	15	0.072	8	400	0.25	1.218E-01	3.34E-04	6.091E-05	1.75E-06
	MHDT	12	3.66	15	0.415	14	400	0.25	1.166E+00	3.19E-03	5.831E-04	1.68E-05
	HHDT	12	3.66	15	0.663	46	400	0.25	6.065E+00	1.66E-02	3.033E-03	8.73E-05
Total - All Buildings	**LDA**	12	3.66	15		0						
	LDT1	12	3.66	15		8						
	LDT2	12	3.66	15		0						
	MDT	12	3.66	15		0						
	LHDT1	12	3.66	15		98						
	LHDT2	12	3.66	15		219						
	MHDT	12	3.66	15		464						
	HHDT	12	3.66	15		557						
	Total					1346			**2.45E+02**	**6.71E-01**	**1.23E-01**	**3.53E-03**

Diesel truck Idling Emissions **DPM Emissions** Idle Time (minutes) 5

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Vehicles	Emissions (g/day)	Annual Emissions (lb/yr)	Daily Emissions (lbs/day)	Total Annual Emissions (tons/yr)	Annual Average Emissions (g/sec)
Idle at Building CIC 1	**LHDT1**	0.778	5	24	1.58E+00	1.27E+00	3.47E-03	6.34E-04	1.82E-05
	LHDT2	0.896	5	54	4.04E+00	3.25E+00	8.90E-03	1.62E-03	4.67E-05
	MHDT	1.005	5	120	1.00E+01	8.05E+00	2.20E-02	4.02E-03	1.16E-04
	HHDT	1.255	5	108	1.13E+01	9.11E+00	2.50E-02	4.56E-03	1.31E-04
Idle at Building CIC - 2	**LHDT1**	0.778	5	17	1.10E+00	8.87E-01	2.43E-03	4.43E-04	1.28E-05
	LHDT2	0.896	5	38	2.83E+00	2.27E+00	6.22E-03	1.14E-03	3.27E-05
	MHDT	1.005	5	84	7.00E+00	5.63E+00	1.54E-02	2.81E-03	8.10E-05
	HHDT	1.255	5	76	7.93E+00	6.38E+00	1.75E-02	3.19E-03	9.18E-05
Idle at Building CIC - 3	**LHDT1**	0.778	5	2	1.25E-01	1.01E-01	2.76E-04	5.03E-05	1.45E-06
	LHDT2	0.896	5	4	3.20E-01	2.58E-01	7.06E-04	1.29E-04	3.71E-06
	MHDT	1.005	5	7	5.97E-01	4.80E-01	1.31E-03	2.40E-04	6.91E-06
	HHDT	1.255	5	23	2.43E+00	1.95E+00	5.34E-03	9.75E-04	2.81E-05
Idle at Building CIC - 4	**LHDT1**	0.778	5	4	2.59E-01	2.08E-01	5.71E-04	1.04E-04	3.00E-06
	LHDT2	0.896	5	9	6.64E-01	5.34E-01	1.46E-03	2.67E-04	7.69E-06
	MHDT	1.005	5	15	1.24E+00	9.95E-01	2.72E-03	4.97E-04	1.43E-05
	HHDT	1.255	5	48	5.03E+00	4.04E+00	1.11E-02	2.02E-03	5.82E-05
Idle at Building CIC - 5	**LHDT1**	0.778	5	2	1.23E-01	9.93E-02	2.72E-04	4.96E-05	1.43E-06
	LHDT2	0.896	5	4	3.16E-01	2.54E-01	6.96E-04	1.27E-04	3.66E-06
	MHDT	1.005	5	7	5.89E-01	4.74E-01	1.30E-03	2.37E-04	6.82E-06
	HHDT	1.255	5	23	2.39E+00	1.93E+00	5.27E-03	9.63E-04	2.77E-05
TOTAL Vehicles	**LHDT1**			49					
	LHDT2			109					
	MHDT			232					
	HHDT			278					
	Total			669	**5.99E+01**	**4.82E+01**	**1.32E-01**	**2.41E-02**	**6.93E-04**

NOTES:
Onsite diesel truck travel emissions as per CARB EMFAC2007 for SJVAPCD, 15 mph in 2014
Onsite diesel truck Idle emissions as per CARB EMFAC2007 for SJVAPCD, 0 mph in 2014

Travel Emissions

	(LHDT1, LHDT2, MHDT, HHDT)				(LDA, LDT1, LDT2, MDT)				Grand Total				
Summary	Total Emissions (lb/yr)	Total Emissions (tons/year)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)	Total Emissions (lb/yr)	Total Emissions (tons/year)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)	Total Emissions (lb/yr)	Total Emissions (tons/year)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)	AERMOD Line Source
Building CIC - 1	1.33E+02	6.7E-02	3.65E-01	1.92E-03	1.58E-01	7.90E-05	4.33E-04	2.28E-06	1.33E+02	6.7E-02	3.65E-01	1.92E-03	LCIC1
Building CIC - 2	7.18E+01	3.6E-02	1.97E-01	1.03E-03	8.53E-02	4.27E-05	2.34E-04	1.23E-06	7.19E+01	3.6E-02	1.97E-01	1.04E-03	LCIC2
Building CIC - 3	1.03E+01	5.2E-03	2.83E-02	1.48E-04	8.77E-03	4.39E-06	2.40E-05	1.26E-07	1.03E+01	5.2E-03	2.83E-02	1.49E-04	LCIC3
Building CIC - 4	2.22E+01	1.1E-02	6.07E-02	3.19E-04	1.88E-02	9.42E-06	5.16E-05	2.71E-07	2.22E+01	1.1E-02	6.07E-02	3.19E-04	LCIC4
Building CIC - 5	7.40E+00	3.7E-03	2.03E-02	1.07E-04	6.29E-03	3.15E-06	1.72E-05	9.06E-08	7.41E+00	3.7E-03	2.03E-02	1.07E-04	LCIC5
TOTAL	**2.45E+02**	**1.22E-01**	**6.71E-01**	**3.52E-03**	**2.77E-01**	**1.39E-04**	**7.60E-04**	**3.99E-06**	**2.45E+02**	**1.23E-01**	**6.71E-01**	**3.53E-03**	

Idling Emissions

Summary	#Loading Dock Stations	Total Emission (lb/yr)	Total Emission (tons/yr)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)	Annual Average Emissions per Loading Dock Station (g/sec)	AERMOD Idle Source
Building CIC - 1	4	2.17E+01	1.08E-02	5.94E-02	3.12E-04	7.80E-05	ICIC1_1 to ICIC1_4
Building CIC - 2	4	1.52E+01	7.58E-03	4.15E-02	2.18E-04	5.46E-05	ICIC2_1 to ICIC2_4
Building CIC - 3	3	2.79E+00	1.39E-03	7.64E-03	4.02E-05	1.34E-05	ICIC3_1 to ICIC3_3
Building CIC - 4	3	5.78E+00	2.89E-03	1.58E-02	8.32E-05	2.77E-05	ICIC4_1 to ICIC4_3
Building CIC - 5	3	2.75E+00	1.38E-03	7.54E-03	3.96E-05	1.32E-05	ICIC5_1 to ICIC5_3
TOTAL		**4.82E+01**	**2.41E-02**	**1.32E-01**	**6.93E-04**		

Grand Totals (Travel + Idling)	Total Emissions (lb/yr)	Total Emission (tons/yr)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)
Building CIC - 1	1.55E+02	7.75E-02	4.24E-01	2.23E-03
Building CIC - 2	8.71E+01	4.35E-02	2.39E-01	1.25E-03
Building CIC - 3	1.31E+01	6.56E-03	3.59E-02	1.89E-04
Building CIC - 4	2.80E+01	1.40E-02	7.66E-02	4.02E-04
Building CIC - 5	1.02E+01	5.08E-03	2.78E-02	1.46E-04
Total	**2.93E+02**	**1.47E-01**	**8.03E-01**	**4.22E-03**

Title : SJVAPCD - Northwest Airport Master Plan for 2018 and 2030
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2010/07/22 14:28:28
Scen Year: 2014 -- All model years in the range 1970 to 2014 selected
Season : Annual
Area : San Joaquin Valley

****

Year: 2014 -- Model Years 1970 to 2014 Inclusive -- Annual
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Joaquin Valley Basin Average Basin Average

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: PM10 Temperature: 65F Relative Humidity: 60%

Speed MPH	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 NCAT	LDT1 CAT	LDT1 DSL	LDT1 ALL	LDT2 NCAT	LDT2 CAT	LDT2 DSL	LDT2 ALL	MDV NCAT	MDV CAT	MDV DSL	MDV ALL	LHD1 NCAT	LHD1 CAT	LHD1 DSL	LHD1 ALL	LHD2 NCAT	LHD2 CAT	LHD2 DSL	LHD2 ALL	MHD NCAT	MHD CAT	MHD DSL	MHD ALL	HHD NCAT	HHD CAT	HHD DSL	HHD ALL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.778	0.193	0	0	0.896	0.445	0	0	1.005	0.851	0	0	1.255	1.239
5	0.104	0.058	0.286	0.058	0.101	0.064	0.133	0.067	0.105	0.136	0.232	0.136	0.107	0.136	0.128	0.136	0.101	0.041	0.101	0.056	0.101	0.041	0.115	0.077	0.101	0.053	0.658	0.565	0.101	0.091	1.457	1.44
10	0.074	0.038	0.225	0.038	0.072	0.042	0.105	0.044	0.075	0.089	0.182	0.089	0.076	0.089	0.1	0.089	0.066	0.027	0.079	0.04	0.066	0.027	0.09	0.058	0.066	0.035	0.517	0.443	0.066	0.059	0.998	0.987
15	0.055	0.026	0.18	0.026	0.054	0.029	0.084	0.031	0.056	0.061	0.146	0.061	0.057	0.061	0.08	0.061	0.045	0.018	0.064	0.029	0.045	0.018	0.072	0.045	0.045	0.024	0.415	0.355	0.045	0.041	0.663	0.655
20	0.043	0.019	0.148	0.019	0.042	0.021	0.069	0.023	0.044	0.044	0.12	0.044	0.044	0.044	0.066	0.044	0.032	0.013	0.052	0.023	0.032	0.013	0.059	0.036	0.032	0.017	0.34	0.291	0.032	0.029	0.47	0.464
25	0.035	0.014	0.124	0.014	0.034	0.016	0.058	0.018	0.036	0.034	0.1	0.034	0.036	0.034	0.055	0.034	0.024	0.01	0.044	0.018	0.024	0.01	0.05	0.029	0.024	0.013	0.285	0.243	0.024	0.021	0.399	0.395
30	0.03	0.011	0.106	0.011	0.029	0.013	0.049	0.014	0.03	0.027	0.086	0.027	0.031	0.027	0.047	0.027	0.019	0.007	0.037	0.015	0.019	0.007	0.043	0.025	0.019	0.01	0.245	0.209	0.019	0.017	0.349	0.345
35	0.027	0.01	0.093	0.01	0.026	0.011	0.043	0.012	0.027	0.023	0.075	0.023	0.027	0.023	0.042	0.023	0.015	0.006	0.033	0.013	0.015	0.006	0.037	0.022	0.015	0.008	0.214	0.183	0.015	0.013	0.32	0.316

Northwest Airport Way Master Plan

Rail Emissions associated with CIC Portion DPM Emissions

Year: 2014
Locomotive Class: Switcher
Number of Locomotives: 1
Locomotive Schedule: 2 days per week
3 hours per day
6 hours per week
312 hours per year

DPM Emission Factor

Emission factors were derived from projections made by the USEPA for large switcher engines as fleet averages in 2019

DPM: 4.8 g/gal
Conversion 15.2 bhp-hr/gal

DPM Emission Factor: 0.316 g/bhp-hr

Notch Setting assumed to be Notch 2 on average while operating within the yard

Information derived from the Port of Long Beach Emission Inventory indicates that the horsepower at Notch Setting 2 is: 249 horsepower

Therefore, the emission rate while operating in Notch Setting 2 = 78.63158 grams/hour

Total annual emissions are: 24533.05 grams per year or 0.027019 tons/year

Average emission rate: 0.000778 grams/sec

References: USEPA, 2009. Emission Factors for Locomotives. EPA-420-F-09-025
Starcrest 2009. Port of Long Beach 2007 Air Emission Inventory

Emission Assumptions

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Traffic
(1) EMFAC2007
(a) Winter Meteorology
Temperature: 65 degF
Relative Humidity: 60 %
(b) Calculations for SJVAPCD
(c) Truck Mix
Urbemis/Traffic Impact Study used to derive fleet mix
Urbemis to derive the number of diesel truck vehicles
(d) Vehicle Travel Speed
Onsite Travel 15 mph
Idle Speed 0 mph
(e) Truck Idle time: 5 minutes (truck idling only applies to LHDT1, LHDT2, MHDT, and HHDT diesel vehicles)
(f) Emission factors for DPM emissions
(g) Emissions calculated for 2019

Traffic Allocation

1) Traffic was allocated to each building as a function of building size (square footage) and function
2) Trip generation from the traffic study - Fehr and Peers 2010
3) Onsite travel emssions generated from diesel at all buildings
4) Onsite idling emissions generated only by heavy duty diesel trucks

Emission Source Configuration

1) Vehicle traffic represented by a line source
2) Onsite idling represented as a point source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
CIC-Building 1	1050
CIC Building 2	810
CIC Building 3	550
CIC Building 4	570
CIC Building 5	400
Non-CIC Building 1	445
Non-CIC Building 2	700
Non-CIC Building 3	450
Non-CIC Building 4	375
Non-CIC Building 5	580
Non-CIC Building 6	210
Non-CIC Building 7	365
Non-CIC Building 8	525
Non-CIC Building 9	320
Non-CIC Building 10	180
Non-CIC Building 11	250
Non-CIC Building 12	400
Non-CIC Building 13	550
Non-CIC Building 14	520

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for Offices/Commercial (hr):	24

Northwest Airport Way Master Plan **2019**

Vehicle Fleet Mix

	Building Size (sq-ft)	Land Use	Summary		
CIC Portion of Master Plan					
CIC: Building 1	1491718	High Cube	High Cube =	2535433	sq-ft
CIC: Building 2	1043715	High Cube	Light Industrial =	641567	sq-ft
CIC: Building 3	158050	Light Industrial	Total=	3177000	sq-ft
CIC: Building 4	327554	Light Industrial			
CIC: Building 5	155963	Light Industrial			
Subtotal	3177000				
Remainder of Master Plan					
Non-CIC Building 1	209646	High Cube	1244793		
Non-CIC Building 2	219344	High Cube			
Non-CIC Building 3	202821	High Cube			
Non-CIC Building 4	220227	High Cube			
Non-CIC Building 5	168462	High Cube			
Non-CIC Building 6	32467	Light Industrial			
Non-CIC Building 7	26178	Light Industrial			
Non-CIC Building 8	26424	Light Industrial			
Non-CIC Building 9	35413	Light Industrial			
Non-CIC Building 10	16096	Light Industrial			
Non-CIC Building 11	24276	Light Industrial			
Non-CIC Building 12	31024	Light Industrial			
Non-CIC Building 13	32416	Light Industrial			
Non-CIC Auto Service	30807	Light Industrial			
Non-CIC: Retail	0	Retail			
Subtotal	1275600				
Grand Total	4452600				

Trip Generation - CIC

	trips/day (Non-PCE)
Total New Trips	3570
CIC - High Cube	2849
CIC - Light Industrial	721
Total	3570

Vehicle Fleet for CIC High Cube

	F & P (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	47.0%	48.5%	0.2	1	648	649
LDT1		13.8%	5.8	11	174	185
LDT2		24.1%	0.5	2	321	323
MDT		13.6%	0	0	182	182
SubTotal		100.0%		14	1325	1339
Trucks	53.0%					
LHDT1 (2 axle truck)		21.9%	25	83	248	331
LHDT2		21.9%	55.6	184	147	331
MHDT (3 axle truck)		31.8%	84.6	406	74	480
HHDT (4+ axle truck)		24.4%	100	368	0	368
SubTotal		100.0%		1041	469	1510
	100.0%			1055	1794	2849

Vehicle Fleet for CIC - Light Industrial

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	47.0%	48.5%	0.2	0	164	164
LDT1		13.8%	5.8	3	44	47
LDT2		24.1%	0.5	0	81	82
MDT		13.6%	0	0	46	46
Subtotal		100.0%	0	3	335	339
Trucks	53.0%					
LHDT1		16.4%	25	16	47	63
LHDT2		16.4%	55.6	35	28	63
MHDT		17.9%	84.6	58	11	68
HHDT		49.3%	100	188	0	188
Subtotal		100.0%		297	85	382
Total	100.0%			300	421	721

Trip Generation - Remainder of Master Plan

	trips/day (Non-PCE)
High Cube	1323
Light Industrial	1194
Auto/Truck Parts/Service	982
Total	3499

Vehicle Fleet for the Remainder of Master Plan - High Cube

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	47.0%	48.5%	0.2	1	301	302
LDT1		13.8%	5.8	5	81	86
LDT2		24.1%	0.5	1	149	150
MDT		13.6%	0	0	85	85
Subtotal		100.0%	0	6	615	622
Trucks	53.0%		0			
LHDT1		21.9%	25	38	115	154
LHDT2		21.9%	55.6	85	68	154
MHDT		31.8%	84.6	189	34	223
HHDT		24.4%	100	171	0	171
Subtotal		100.0%		483	218	701
total	100.0%	200.0%		490	833	1323

Vehicle Fleet for Remainder of Master Plan - Light Industrial

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	47.0%	48.5%	0.2	1	272	272
LDT1		13.8%	5.8	4	73	77
LDT2		24.1%	0.5	1	135	135
MDT		13.6%	0	0	76	76
Subtotal		100.0%	0	6	555	561
Trucks	53.0%		0			
LHDT1		16.4%	25	26	78	104
LHDT2		16.4%	55.6	58	46	104
MHDT		17.9%	84.6	96	17	113
HHDT		49.3%	100	312	0	312
Subtotal		100.0%		491	141	633
	100.0%			497	697	1194

Vehicle Fleet for Remainder of Master Plan - Auto/Truck Parts

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	80.0%	48.5%	0.2	1	380	381
LDT1		13.8%	5.8	6	102	108
LDT2		24.1%	0.5	1	188	189
MDT		13.6%	0	0	107	107
Subtotal		100.0%	0	8	778	786
Trucks	20.0%		0			
LHDT1		40.0%	25	20	59	79
LHDT2		30.0%	55.6	33	26	59
MHDT		20.0%	84.6	33	6	39
HHDT		10.0%	100	20	0	20
Subtotal		100.0%		105	91	196
	100.0%			113	869	982

Fehr & Peers 2010, Traffic Impact Study
Vehicle Fleet Mix taken from URBEMIS2007 V9.2.4 for the SJVAPCD in 2019 and the City of Fontana Truck Trip Generation Study (Fontana 2003)
URBEMIS % Diesel taken from URBEMIS2007 V9.2 for the SJVAPCD in 2019

Northwest Airport Way Master Plan

Trip Distribution by Land Use and Building

Center Point Intermodal Center

Land Use: High Cube

Building	Size (sq-ft)	% Total Land Use
1	1491718	58.8%
2	1043715	41.2%
Subtoal	2535433	1

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	1	6	1	0	49	108	239	217	621
2	1	4	1	0	34	76	167	152	434
Subtotal	1	11	2	0	83	184	406	368	1055

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	381	102	189	107	146	86	44	0	1056
2	267	72	132	75	102	60	30	0	739
Subtotal	648	174	321	182	248	147	74	0	1794
Grand Total	649	185	323	182	331	331	480	368	2849

Land Use: Light Industrial

Building	Size (sq-ft)	% Total Land Use
3	158050	24.6%
4	327554	51.1%
5	155963	24.3%
Total	641567	100.0%

Vehicle Allocation - Diesel Trips

Building		LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
	3	0	1	0	0	4	9	14	46	74
	4	0	1	0	0	8	18	30	96	153
	5	0	1	0	0	4	8	14	46	73
Subtotal		0	3	0	0	16	35	58	188	300

Vehicle Allocation - Non-Diesel Trips

Building		LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
	3	40	11	20	11	12	7	3	0	104
	4	84	22	41	24	24	14	5	0	215
	5	40	11	20	11	11	7	3	0	102
Subtotal		164	44	81	46	47	28	11	0	421
Grand Total		164	47	82	46	63	63	68	188	721

Land Use: CIC All Buildings

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Diesel	2	13	2	0	98	219	464	557	1355
Non-Diesel	812	218	402	228	295	175	84	0	2215
Total	814	232	404	228	393	393	549	557	3570

Remainder of Master Plan

Land Use: High Cube

Building	Size (sq-ft)	% Total Land Use
1	209646	20.5%
2	219344	21.5%
3	202821	19.9%
4	220227	21.6%
5	168462	16.5%
Total	1020500	100.0%

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	0	1	0	0	8	18	39	35	101
2	0	1	0	0	8	18	41	37	105
3	0	1	0	0	8	17	37	34	97
4	0	1	0	0	8	18	41	37	106
5	0	1	0	0	6	14	31	28	81
Subtotal	1	5	1	0	38	85	189	171	490

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	62	17	31	17	24	14	7	0	171
2	65	17	32	18	25	15	7	0	179
3	60	16	30	17	23	14	7	0	166
4	65	17	32	18	25	15	7	0	180
5	50	13	25	14	19	11	6	0	138
Subtotal	301	81	149	85	115	68	34	0	833
Grand Total	302	86	150	85	154	154	223	171	1323

Land Use: Light Industrial

Building	Size (sq-ft)	% Total Land Use
6	32467	14.5%
7	26178	11.7%
8	26424	11.8%
9	35413	15.8%
10	16096	7.2%
11	24276	10.8%
12	31024	13.8%
13	32416	14.5%
Total	224292.79	100.0%

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
6	0	1	0	0	4	8	14	45	72
7	0	1	0	0	3	7	11	36	58
8	0	1	0	0	3	7	11	37	59
9	0	1	0	0	4	9	15	49	78
10	0	0	0	0	2	4	7	22	36
11	0	0	0	0	3	6	10	34	54
12	0	1	0	0	4	8	13	43	69
13	0	1	0	0	4	8	14	45	72
Subtotal	1	4	1	0	26	58	96	312	497

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
6	39	11	19	11	11	7	3	0	101
7	32	9	16	9	9	5	2	0	81
8	32	9	16	9	9	5	2	0	82
9	43	12	21	12	12	7	3	0	110
10	19	5	10	5	6	3	1	0	50
11	29	8	15	8	8	5	2	0	75
12	38	10	19	11	11	6	2	0	96
13	39	11	19	11	11	7	3	0	101
Subtotal	272	73	135	76	78	46	17	0	697
Grand Total	272	77	135	76	104	104	113	312	1194

Land Use: Auto Service

Building	Size (sq-ft)	% Total Land Use
Retail	30807	1

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Retail	1	6	1	0	20	33	33	20	113

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Retail	380	102	188	107	59	26	6	0	869
Grand Total	381	108	189	107	79	59	39	20	982

Land Use: Non-CIC All Buildings

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Diesel	2	16	2	0	84	176	318	503	1100
Non-Diesel	953	256	472	268	252	140	58	0	2399
Total	955	272	474	268	336	316	376	503	3499

Land Use: CIC + Non-CIC All Buildings

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Diesel	4	29	4	0	182	395	782	1060	2455
Non-Diesel	1765	474	874	496	547	315	142	0	4614
Total	1769	503	879	496	729	710	924	1060	7069

Northwest Airport Way Master Plan
Diesel Vehicle Emissions **DPM**

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Roadway Links Modeled **DPM Emissions**

Link	Truck Type	Volume Source Length of side(ft)	Volume Source Length (m)	Average Speed (mph)	Emission Factor (g/mi)	Trips per day (in and out)	Link Length (m)	Link Length (mi)	Daily Ave Emissions Over Link (lb/yr)	Daily Ave Emissions (lbs/day)	Total Annual Emissions (tons/yr)	Daily Ave Emissions (g/sec)
Travel to CIC- Building 1	**LDA**	12	3.66	15	0.145	1	1050	0.65	5.811E-02	1.59E-04	2.905E-05	8.37E-07
	LDT1	12	3.66	15	0.081	6	1050	0.65	2.679E-01	7.34E-04	1.339E-04	3.86E-06
	LDT2	12	3.66	15	0.122	1	1050	0.65	6.074E-02	1.66E-04	3.037E-05	8.74E-07
	MDT	12	3.66	15	0.076	0	1050	0.65	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	49	1050	0.65	1.454E+00	3.98E-03	7.270E-04	2.09E-05
	LHDT2	12	3.66	15	0.057	108	1050	0.65	3.234E+00	8.86E-03	1.617E-03	4.66E-05
	MHDT	12	3.66	15	0.305	239	1050	0.65	3.823E+01	1.05E-01	1.911E-02	5.50E-04
	HHDT	12	3.66	15	0.281	217	1050	0.65	3.194E+01	8.75E-02	1.597E-02	4.60E-04
Travel to CIC -Building 2	**LDA**	12	3.66	15	0.145	1	810	0.50	3.136E-02	8.59E-05	1.568E-05	4.52E-07
	LDT1	12	3.66	15	0.081	4	810	0.50	1.446E-01	3.96E-04	7.229E-05	2.08E-06
	LDT2	12	3.66	15	0.122	1	810	0.50	3.278E-02	8.98E-05	1.639E-05	4.72E-07
	MDT	12	3.66	15	0.076	0	810	0.50	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	34	810	0.50	7.847E-01	2.15E-03	3.924E-04	1.13E-05
	LHDT2	12	3.66	15	0.057	76	810	0.50	1.745E+00	4.78E-03	8.726E-04	2.51E-05
	MHDT	12	3.66	15	0.305	167	810	0.50	2.063E+01	5.65E-02	1.032E-02	2.97E-04
	HHDT	12	3.66	15	0.281	152	810	0.50	1.724E+01	4.72E-02	8.621E-03	2.48E-04
Travel to CIC - Building 3	**LDA**	12	3.66	15	0.145	0	550	0.34	3.225E-03	8.84E-06	1.612E-06	4.64E-08
	LDT1	12	3.66	15	0.081	1	550	0.34	1.487E-02	4.07E-05	7.433E-06	2.14E-07
	LDT2	12	3.66	15	0.122	0	550	0.34	3.371E-03	9.24E-06	1.685E-06	4.85E-08
	MDT	12	3.66	15	0.076	0	550	0.34	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	4	550	0.34	6.043E-02	1.66E-04	3.021E-05	8.70E-07
	LHDT2	12	3.66	15	0.057	9	550	0.34	1.344E-01	3.68E-04	6.719E-05	1.93E-06
	MHDT	12	3.66	15	0.305	14	550	0.34	1.194E+00	3.27E-03	5.971E-04	1.72E-05
	HHDT	12	3.66	15	0.281	46	550	0.34	3.582E+00	9.81E-03	1.791E-03	5.16E-05
Travel to CIC - Building 4	**LDA**	12	3.66	15	0.145	0	570	0.35	6.927E-03	1.90E-05	3.463E-06	9.97E-08
	LDT1	12	3.66	15	0.081	1	570	0.35	3.193E-02	8.75E-05	1.596E-05	4.60E-07
	LDT2	12	3.66	15	0.122	0	570	0.35	7.240E-03	1.98E-05	3.620E-06	1.04E-07
	MDT	12	3.66	15	0.076	0	570	0.35	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	8	570	0.35	1.298E-01	3.56E-04	6.489E-05	1.87E-06
	LHDT2	12	3.66	15	0.057	18	570	0.35	2.886E-01	7.91E-04	1.443E-04	4.16E-06
	MHDT	12	3.66	15	0.305	30	570	0.35	2.565E+00	7.03E-03	1.282E-03	3.69E-05
	HHDT	12	3.66	15	0.281	96	570	0.35	7.693E+00	2.11E-02	3.847E-03	1.11E-04
Travel to CIC Building 5	**LDA**	12	3.66	15	0.145	0	400	0.25	2.314E-03	6.34E-06	1.157E-06	3.33E-08
	LDT1	12	3.66	15	0.081	1	400	0.25	1.067E-02	2.92E-05	5.334E-06	1.54E-07
	LDT2	12	3.66	15	0.122	0	400	0.25	2.419E-03	6.63E-06	1.210E-06	3.48E-08
	MDT	12	3.66	15	0.076	0	400	0.25	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	4	400	0.25	4.337E-02	1.19E-04	2.168E-05	6.24E-07
	LHDT2	12	3.66	15	0.057	8	400	0.25	9.644E-02	2.64E-04	4.822E-05	1.39E-06
	MHDT	12	3.66	15	0.305	14	400	0.25	8.571E-01	2.35E-03	4.285E-04	1.23E-05
	HHDT	12	3.66	15	0.281	46	400	0.25	2.571E+00	7.04E-03	1.285E-03	3.70E-05
Non-CIC Building 1	**LDA**	12	3.66	15	0.145	0	445	0.28	3.993E-03	1.09E-05	1.997E-06	5.75E-08
	LDT1	12	3.66	15	0.081	1	445	0.28	1.841E-02	5.04E-05	9.203E-06	2.65E-07
	LDT2	12	3.66	15	0.122	0	445	0.28	4.174E-03	1.14E-05	2.087E-06	6.01E-08
	MDT	12	3.66	15	0.076	0	445	0.28	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	8	445	0.28	9.991E-02	2.74E-04	4.995E-05	1.44E-06
	LHDT2	12	3.66	15	0.057	18	445	0.28	2.222E-01	6.09E-04	1.111E-04	3.20E-06
	MHDT	12	3.66	15	0.305	39	445	0.28	2.627E+00	7.20E-03	1.313E-03	3.78E-05
	HHDT	12	3.66	15	0.281	35	445	0.28	2.195E+00	6.01E-03	1.098E-03	3.16E-05
Non-CIC Building 2	**LDA**	12	3.66	15	0.145	0	700	0.43	6.572E-03	1.80E-05	3.286E-06	9.46E-08
	LDT1	12	3.66	15	0.081	1	700	0.43	3.029E-02	8.30E-05	1.515E-05	4.36E-07
	LDT2	12	3.66	15	0.122	0	700	0.43	6.869E-03	1.88E-05	3.434E-06	9.89E-08
	MDT	12	3.66	15	0.076	0	700	0.43	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	8	700	0.43	1.644E-01	4.50E-04	8.222E-05	2.37E-06
	LHDT2	12	3.66	15	0.057	18	700	0.43	3.657E-01	1.00E-03	1.828E-04	5.26E-06
	MHDT	12	3.66	15	0.305	41	700	0.43	4.323E+00	1.18E-02	2.162E-03	6.22E-05
	HHDT	12	3.66	15	0.281	37	700	0.43	3.613E+00	9.90E-03	1.806E-03	5.20E-05
Non-CIC Building 3	**LDA**	12	3.66	15	0.145	0	450	0.28	3.906E-03	1.07E-05	1.953E-06	5.62E-08
	LDT1	12	3.66	15	0.081	1	450	0.28	1.801E-02	4.93E-05	9.003E-06	2.59E-07
	LDT2	12	3.66	15	0.122	0	450	0.28	4.083E-03	1.12E-05	2.042E-06	5.88E-08
	MDT	12	3.66	15	0.076	0	450	0.28	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	8	450	0.28	9.774E-02	2.68E-04	4.887E-05	1.41E-06
	LHDT2	12	3.66	15	0.057	17	450	0.28	2.174E-01	5.96E-04	1.087E-04	3.13E-06
	MHDT	12	3.66	15	0.305	37	450	0.28	2.570E+00	7.04E-03	1.285E-03	3.70E-05
	HHDT	12	3.66	15	0.281	34	450	0.28	2.147E+00	5.88E-03	1.074E-03	3.09E-05

Non-CIC Building 4	**LDA**	12	3.66	15	0.145	0	375	0.23	3.535E-03	9.68E-06	1.767E-06	5.09E-08
	LDT1	12	3.66	15	0.081	1	375	0.23	1.629E-02	4.46E-05	8.147E-06	2.35E-07
	LDT2	12	3.66	15	0.122	0	375	0.23	3.695E-03	1.01E-05	1.847E-06	5.32E-08
	MDT	12	3.66	15	0.076	0	375	0.23	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	8	375	0.23	8.844E-02	2.42E-04	4.422E-05	1.27E-06
	LHDT2	12	3.66	15	0.057	18	375	0.23	1.967E-01	5.39E-04	9.835E-05	2.83E-06
	MHDT	12	3.66	15	0.305	41	375	0.23	2.325E+00	6.37E-03	1.163E-03	3.35E-05
	HHDT	12	3.66	15	0.281	37	375	0.23	1.943E+00	5.32E-03	9.716E-04	2.80E-05
Non-CIC Building 5	**LDA**	12	3.66	15	0.145	0	580	0.36	4.182E-03	1.15E-05	2.091E-06	6.02E-08
	LDT1	12	3.66	15	0.081	1	580	0.36	1.928E-02	5.28E-05	9.639E-06	2.78E-07
	LDT2	12	3.66	15	0.122	0	580	0.36	4.371E-03	1.20E-05	2.186E-06	6.29E-08
	MDT	12	3.66	15	0.076	0	580	0.36	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	6	580	0.36	1.046E-01	2.87E-04	5.232E-05	1.51E-06
	LHDT2	12	3.66	15	0.057	14	580	0.36	2.327E-01	6.38E-04	1.164E-04	3.35E-06
	MHDT	12	3.66	15	0.305	31	580	0.36	2.751E+00	7.54E-03	1.376E-03	3.96E-05
	HHDT	12	3.66	15	0.281	28	580	0.36	2.299E+00	6.30E-03	1.149E-03	3.31E-05
Non-CIC Building 6	**LDA**	12	3.66	15	0.145	0	210	0.13	1.198E-03	3.28E-06	5.991E-07	1.73E-08
	LDT1	12	3.66	15	0.081	1	210	0.13	5.524E-03	1.51E-05	2.762E-06	7.95E-08
	LDT2	12	3.66	15	0.122	0	210	0.13	1.252E-03	3.43E-06	6.262E-07	1.80E-08
	MDT	12	3.66	15	0.076	0	210	0.13	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	4	210	0.13	2.245E-02	6.15E-05	1.123E-05	3.23E-07
	LHDT2	12	3.66	15	0.057	8	210	0.13	4.993E-02	1.37E-04	2.497E-05	7.19E-07
	MHDT	12	3.66	15	0.305	14	210	0.13	4.437E-01	1.22E-03	2.219E-04	6.39E-06
	HHDT	12	3.66	15	0.281	45	210	0.13	1.331E+00	3.65E-03	6.655E-04	1.92E-05
Non-CIC Building 7	**LDA**	12	3.66	15	0.145	0	365	0.23	1.679E-03	4.60E-06	8.397E-07	2.42E-08
	LDT1	12	3.66	15	0.081	1	365	0.23	7.741E-03	2.12E-05	3.870E-06	1.11E-07
	LDT2	12	3.66	15	0.122	0	365	0.23	1.755E-03	4.81E-06	8.776E-07	2.53E-08
	MDT	12	3.66	15	0.076	0	365	0.23	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	3	365	0.23	3.147E-02	8.62E-05	1.573E-05	4.53E-07
	LHDT2	12	3.66	15	0.057	7	365	0.23	6.998E-02	1.92E-04	3.499E-05	1.01E-06
	MHDT	12	3.66	15	0.305	11	365	0.23	6.219E-01	1.70E-03	3.109E-04	8.95E-06
	HHDT	12	3.66	15	0.281	36	365	0.23	1.865E+00	5.11E-03	9.326E-04	2.69E-05
Non-CIC Building 8	**LDA**	12	3.66	15	0.145	0	525	0.33	2.438E-03	6.68E-06	1.219E-06	3.51E-08
	LDT1	12	3.66	15	0.081	1	525	0.33	1.124E-02	3.08E-05	5.619E-06	1.62E-07
	LDT2	12	3.66	15	0.122	0	525	0.33	2.548E-03	6.98E-06	1.274E-06	3.67E-08
	MDT	12	3.66	15	0.076	0	525	0.33	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	3	525	0.33	4.568E-02	1.25E-04	2.284E-05	6.58E-07
	LHDT2	12	3.66	15	0.057	7	525	0.33	1.016E-01	2.78E-04	5.080E-05	1.46E-06
	MHDT	12	3.66	15	0.305	11	525	0.33	9.029E-01	2.47E-03	4.514E-04	1.30E-05
	HHDT	12	3.66	15	0.281	37	525	0.33	2.708E+00	7.42E-03	1.354E-03	3.90E-05
Non-CIC Building 9	**LDA**	12	3.66	15	0.145	0	320	0.20	1.992E-03	5.46E-06	9.958E-07	2.87E-08
	LDT1	12	3.66	15	0.081	1	320	0.20	9.180E-03	2.52E-05	4.590E-06	1.32E-07
	LDT2	12	3.66	15	0.122	0	320	0.20	2.082E-03	5.70E-06	1.041E-06	3.00E-08
	MDT	12	3.66	15	0.076	0	320	0.20	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	4	320	0.20	3.732E-02	1.02E-04	1.866E-05	5.37E-07
	LHDT2	12	3.66	15	0.057	9	320	0.20	8.299E-02	2.27E-04	4.150E-05	1.19E-06
	MHDT	12	3.66	15	0.305	15	320	0.20	7.375E-01	2.02E-03	3.688E-04	1.06E-05
	HHDT	12	3.66	15	0.281	49	320	0.20	2.212E+00	6.06E-03	1.106E-03	3.18E-05
Non-CIC Building 10	**LDA**	12	3.66	15	0.145	0	180	0.11	5.092E-04	1.40E-06	2.546E-07	7.33E-09
	LDT1	12	3.66	15	0.081	0	180	0.11	2.347E-03	6.43E-06	1.174E-06	3.38E-08
	LDT2	12	3.66	15	0.122	0	180	0.11	5.322E-04	1.46E-06	2.661E-07	7.66E-09
	MDT	12	3.66	15	0.076	0	180	0.11	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	2	180	0.11	9.541E-03	2.61E-05	4.770E-06	1.37E-07
	LHDT2	12	3.66	15	0.057	4	180	0.11	2.122E-02	5.81E-05	1.061E-05	3.05E-07
	MHDT	12	3.66	15	0.305	7	180	0.11	1.886E-01	5.17E-04	9.428E-05	2.71E-06
	HHDT	12	3.66	15	0.281	22	180	0.11	5.656E-01	1.55E-03	2.828E-04	8.14E-06
Non-CIC Building 11	**LDA**	12	3.66	15	0.145	0	250	0.16	1.067E-03	2.92E-06	5.333E-07	1.54E-08
	LDT1	12	3.66	15	0.081	0	250	0.16	4.917E-03	1.35E-05	2.458E-06	7.08E-08
	LDT2	12	3.66	15	0.122	0	250	0.16	1.115E-03	3.05E-06	5.574E-07	1.60E-08
	MDT	12	3.66	15	0.076	0	250	0.16	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	3	250	0.16	1.999E-02	5.48E-05	9.993E-06	2.88E-07
	LHDT2	12	3.66	15	0.057	6	250	0.16	4.445E-02	1.22E-04	2.222E-05	6.40E-07
	MHDT	12	3.66	15	0.305	10	250	0.16	3.950E-01	1.08E-03	1.975E-04	5.69E-06
	HHDT	12	3.66	15	0.281	34	250	0.16	1.185E+00	3.25E-03	5.923E-04	1.71E-05
Non-CIC Building 12	**LDA**	12	3.66	15	0.145	0	400	0.25	2.181E-03	5.98E-06	1.091E-06	3.14E-08
	LDT1	12	3.66	15	0.081	1	400	0.25	1.005E-02	2.75E-05	5.027E-06	1.45E-07
	LDT2	12	3.66	15	0.122	0	400	0.25	2.280E-03	6.25E-06	1.140E-06	3.28E-08
	MDT	12	3.66	15	0.076	0	400	0.25	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	4	400	0.25	4.087E-02	1.12E-04	2.043E-05	5.88E-07
	LHDT2	12	3.66	15	0.057	8	400	0.25	9.089E-02	2.49E-04	4.544E-05	1.31E-06
	MHDT	12	3.66	15	0.305	13	400	0.25	8.077E-01	2.21E-03	4.038E-04	1.16E-05
	HHDT	12	3.66	15	0.281	43	400	0.25	2.422E+00	6.64E-03	1.211E-03	3.49E-05
Non-CIC Building 13	**LDA**	12	3.66	15	0.145	0	550	0.34	3.133E-03	8.58E-06	1.567E-06	4.51E-08
	LDT1	12	3.66	15	0.081	1	550	0.34	1.444E-02	3.96E-05	7.222E-06	2.08E-07
	LDT2	12	3.66	15	0.122	0	550	0.34	3.275E-03	8.97E-06	1.638E-06	4.71E-08
	MDT	12	3.66	15	0.076	0	550	0.34	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	4	550	0.34	5.871E-02	1.61E-04	2.936E-05	8.45E-07
	LHDT2	12	3.66	15	0.057	8	550	0.34	1.306E-01	3.58E-04	6.529E-05	1.88E-06
	MHDT	12	3.66	15	0.305	14	550	0.34	1.160E+00	3.18E-03	5.802E-04	1.67E-05
	HHDT	12	3.66	15	0.281	45	550	0.34	3.480E+00	9.53E-03	1.740E-03	5.01E-05
Non-CIC Building 14 (Auto Parts)	**LDA**	12	3.66	15	0.145	1	520	0.32	2.870E-02	7.86E-05	1.435E-05	4.13E-07
	LDT1	12	3.66	15	0.081	6	520	0.32	1.323E-01	3.62E-04	6.614E-05	1.90E-06
	LDT2	12	3.66	15	0.122	1	520	0.32	2.999E-02	8.22E-05	1.500E-05	4.32E-07
	MDT	12	3.66	15	0.076	0	520	0.32	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.057	20	520	0.32	2.907E-01	7.97E-04	1.454E-04	4.19E-06
	LHDT2	12	3.66	15	0.057	33	520	0.32	4.849E-01	1.33E-03	2.425E-04	6.98E-06
	MHDT	12	3.66	15	0.305	33	520	0.32	2.632E+00	7.21E-03	1.316E-03	3.79E-05
	HHDT	12	3.66	15	0.281	20	520	0.32	1.433E+00	3.93E-03	7.166E-04	2.06E-05
Total - All Buildings	**LDA**	12	3.66	15		4						
	LDT1	12	3.66	15		29						
	LDT2	12	3.66	15		4						
	MDT	12	3.66	15		0						
	LHDT1	12	3.66	15		182						
	LHDT2	12	3.66	15		395						
	MHDT	12	3.66	15		782						
	HHDT	12	3.66	15		1060						
	Total					2452			**1.91E+02**	**5.23E-01**	**9.54E-02**	**2.75E-03**

Diesel truck Idling Emissions **DPM Emissions** Idle Time (minutes) 5

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Vehicles	Emissions (g/day)	Annual Emissions (lb/yr)	Daily Emissions (lbs/day)	Total Annual Emissions (tons/yr)	Annual Average Emissions (g/sec)
Idle at Building CIC 1	**LHDT1**	0.777	5	24	1.57E+00	1.27E+00	3.47E-03	6.33E-04	1.82E-05
	LHDT2	0.848	5	54	3.82E+00	3.07E+00	8.42E-03	1.54E-03	4.42E-05
	MHDT	0.912	5	120	9.08E+00	7.30E+00	2.00E-02	3.65E-03	1.05E-04
	HHDT	0.664	5	108	6.00E+00	4.82E+00	1.32E-02	2.41E-03	6.94E-05
Idle at Building CIC - 2	**LHDT1**	0.777	5	17	1.10E+00	8.86E-01	2.43E-03	4.43E-04	1.28E-05
	LHDT2	0.848	5	38	2.67E+00	2.15E+00	5.89E-03	1.08E-03	3.10E-05
	MHDT	0.912	5	84	6.35E+00	5.11E+00	1.40E-02	2.55E-03	7.35E-05
	HHDT	0.664	5	76	4.20E+00	3.37E+00	9.24E-03	1.69E-03	4.86E-05
Idle at Building CIC - 3	**LHDT1**	0.777	5	2	1.25E-01	1.00E-01	2.75E-04	5.02E-05	1.45E-06
	LHDT2	0.848	5	4	3.03E-01	2.44E-01	6.68E-04	1.22E-04	3.51E-06
	MHDT	0.912	5	7	5.42E-01	4.35E-01	1.19E-03	2.18E-04	6.27E-06
	HHDT	0.664	5	23	1.28E+00	1.03E+00	2.83E-03	5.16E-04	1.49E-05
Idle at Building CIC - 4	**LHDT1**	0.777	5	4	2.59E-01	2.08E-01	5.70E-04	1.04E-04	3.00E-06
	LHDT2	0.848	5	9	6.29E-01	5.05E-01	1.38E-03	2.53E-04	7.27E-06
	MHDT	0.912	5	15	1.12E+00	9.03E-01	2.47E-03	4.51E-04	1.30E-05
	HHDT	0.664	5	48	2.66E+00	2.14E+00	5.86E-03	1.07E-03	3.08E-05
Idle at Building CIC - 5	**LHDT1**	0.777	5	2	1.23E-01	9.91E-02	2.72E-04	4.96E-05	1.43E-06
	LHDT2	0.848	5	4	2.99E-01	2.41E-01	6.59E-04	1.20E-04	3.46E-06
	MHDT	0.912	5	7	5.35E-01	4.30E-01	1.18E-03	2.15E-04	6.19E-06
	HHDT	0.664	5	23	1.27E+00	1.02E+00	2.79E-03	5.09E-04	1.47E-05
Idle at Building NON-CIC 1	**LHDT1**	0.777	5	4	2.55E-01	2.05E-01	5.62E-04	1.03E-04	2.96E-06
	LHDT2	0.848	5	9	6.20E-01	4.98E-01	1.37E-03	2.49E-04	7.17E-06
	MHDT	0.912	5	19	1.47E+00	1.18E+00	3.24E-03	5.92E-04	1.70E-05
	HHDT	0.664	5	18	9.72E-01	7.82E-01	2.14E-03	3.91E-04	1.13E-05
Idle at Building NON-CIC - 2	**LHDT1**	0.777	5	4	2.67E-01	2.15E-01	5.88E-04	1.07E-04	3.09E-06
	LHDT2	0.848	5	9	6.48E-01	5.21E-01	1.43E-03	2.61E-04	7.50E-06
	MHDT	0.912	5	20	1.54E+00	1.24E+00	3.39E-03	6.19E-04	1.78E-05
	HHDT	0.664	5	18	1.02E+00	8.18E-01	2.24E-03	4.09E-04	1.18E-05
Idle at Building Non-CIC -3	**LHDT1**	0.777	5	4	2.47E-01	1.99E-01	5.44E-04	9.93E-05	2.86E-06
	LHDT2	0.848	5	8	6.00E-01	4.82E-01	1.32E-03	2.41E-04	6.94E-06
	MHDT	0.912	5	19	1.42E+00	1.15E+00	3.14E-03	5.73E-04	1.65E-05
	HHDT	0.664	5	17	9.41E-01	7.56E-01	2.07E-03	3.78E-04	1.09E-05
Idle at Building Non- CIC - 4	**LHDT1**	0.777	5	4	2.68E-01	2.16E-01	5.91E-04	1.08E-04	3.10E-06
	LHDT2	0.848	5	9	6.51E-01	5.23E-01	1.43E-03	2.62E-04	7.53E-06
	MHDT	0.912	5	20	1.55E+00	1.24E+00	3.41E-03	6.22E-04	1.79E-05
	HHDT	0.664	5	18	1.02E+00	8.21E-01	2.25E-03	4.11E-04	1.18E-05
Idle at Building Non-CIC - 5	**LHDT1**	0.777	5	3	2.05E-01	1.65E-01	4.52E-04	8.25E-05	2.37E-06
	LHDT2	0.848	5	7	4.98E-01	4.00E-01	1.10E-03	2.00E-04	5.76E-06
	MHDT	0.912	5	16	1.18E+00	9.51E-01	2.61E-03	4.76E-04	1.37E-05
	HHDT	0.664	5	14	7.81E-01	6.28E-01	1.72E-03	3.14E-04	9.04E-06
Idle at Building Non- CIC - 6	**LHDT1**	0.777	5	2	1.22E-01	9.78E-02	2.68E-04	4.89E-05	1.41E-06
	LHDT2	0.848	5	4	2.95E-01	2.37E-01	6.50E-04	1.19E-04	3.42E-06
	MHDT	0.912	5	7	5.27E-01	4.24E-01	1.16E-03	2.12E-04	6.10E-06
	HHDT	0.664	5	23	1.25E+00	1.00E+00	2.75E-03	5.02E-04	1.45E-05
Idle at Building Non- CIC - 7	**LHDT1**	0.777	5	2	9.80E-02	7.88E-02	2.16E-04	3.94E-05	1.13E-06
	LHDT2	0.848	5	3	2.38E-01	1.91E-01	5.24E-04	9.57E-05	2.75E-06
	MHDT	0.912	5	6	4.25E-01	3.42E-01	9.36E-04	1.71E-04	4.92E-06
	HHDT	0.664	5	18	1.01E+00	8.10E-01	2.22E-03	4.05E-04	1.17E-05
Idle at Building Non- CIC - 8	**LHDT1**	0.777	5	2	9.90E-02	7.96E-02	2.18E-04	3.98E-05	1.15E-06
	LHDT2	0.848	5	3	2.40E-01	1.93E-01	5.29E-04	9.66E-05	2.78E-06
	MHDT	0.912	5	6	4.29E-01	3.45E-01	9.45E-04	1.72E-04	4.97E-06
	HHDT	0.664	5	18	1.02E+00	8.18E-01	2.24E-03	4.09E-04	1.18E-05
Idle at Non-CIC Building 9	**LHDT1**	0.777	5	2	1.33E-01	1.07E-01	2.92E-04	5.33E-05	1.53E-06
	LHDT2	0.848	5	5	3.22E-01	2.59E-01	7.09E-04	1.29E-04	3.73E-06
	MHDT	0.912	5	8	5.75E-01	4.62E-01	1.27E-03	2.31E-04	6.65E-06
	HHDT	0.664	5	25	1.36E+00	1.10E+00	3.00E-03	5.48E-04	1.58E-05
Idle at Non-CIC Building 10	**LHDT1**	0.777	5	1	6.03E-02	4.85E-02	1.33E-04	2.42E-05	6.98E-07
	LHDT2	0.848	5	2	1.46E-01	1.18E-01	3.22E-04	5.88E-05	1.69E-06
	MHDT	0.912	5	3	2.61E-01	2.10E-01	5.76E-04	1.05E-04	3.02E-06
	HHDT	0.664	5	11	6.19E-01	4.98E-01	1.36E-03	2.49E-04	7.17E-06
Idle at Non-CIC Building 11	**LHDT1**	0.777	5	1	9.09E-02	7.31E-02	2.00E-04	3.65E-05	1.05E-06
	LHDT2	0.848	5	3	2.21E-01	1.77E-01	4.86E-04	8.87E-05	2.55E-06
	MHDT	0.912	5	5	3.94E-01	3.17E-01	8.68E-04	1.58E-04	4.56E-06
	HHDT	0.664	5	17	9.34E-01	7.51E-01	2.06E-03	3.76E-04	1.08E-05
Idle at Non-CIC Building 12	**LHDT1**	0.777	5	2	1.16E-01	9.34E-02	2.56E-04	4.67E-05	1.34E-06
	LHDT2	0.848	5	4	2.82E-01	2.27E-01	6.21E-04	1.13E-04	3.26E-06
	MHDT	0.912	5	7	5.04E-01	4.05E-01	1.11E-03	2.02E-04	5.83E-06
	HHDT	0.664	5	22	1.19E+00	9.60E-01	2.63E-03	4.80E-04	1.38E-05
Idle at Non-CIC Building 13	**LHDT1**	0.777	5	2	1.21E-01	9.76E-02	2.67E-04	4.88E-05	1.41E-06
	LHDT2	0.848	5	4	2.95E-01	2.37E-01	6.49E-04	1.18E-04	3.41E-06
	MHDT	0.912	5	7	5.26E-01	4.23E-01	1.16E-03	2.12E-04	6.09E-06
	HHDT	0.664	5	23	1.25E+00	1.00E+00	2.75E-03	5.01E-04	1.44E-05
Idle at Non-CIC Building Auto Service	**LHDT1**	0.777	5	10	6.36E-01	5.11E-01	1.40E-03	2.56E-04	7.36E-06
	LHDT2	0.848	5	16	1.16E+00	9.31E-01	2.55E-03	4.65E-04	1.34E-05
	MHDT	0.912	5	17	1.26E+00	1.02E+00	2.78E-03	5.08E-04	1.46E-05
	HHDT	0.664	5	10	5.43E-01	4.37E-01	1.20E-03	2.18E-04	6.29E-06
TOTAL Vehicles	**LHDT1**			91					
	LHDT2			197					
	MHDT			391					
	HHDT			530					
	Total			1209	**7.89E+01**	**6.34E+01**	**1.74E-01**	**3.17E-02**	**9.13E-04**

NOTES:
Onsite diesel truck travel emissions as per CARB EMFAC2007 for SJVAPCD, 15 mph in 2019
Onsite diesel truck Idle emissions as per CARB EMFAC2007 for SJVAPCD, 0 mph in 2019

Travel Emissions

	(LHDT1, LHDT2, MHDT, HHDT)				(LDA, LDT1, LDT2, MDT)				Grand Total				
Summary	**Total Emissions (lb/yr)**	**Total Emissions (tons/year)**	**Total Daily Emissions (lbs/day)**	**Annual Average Emissions (g/sec)**	**Total Emissions (lb/yr)**	**Total Emissions (tons/year)**	**Total Daily Emissions (lbs/day)**	**Annual Average Emissions (g/sec)**	**Total Emissions (lb/yr)**	**Total Emissions (tons/year)**	**Total Daily Emissions (lbs/day)**	**Annual Average Emissions (g/sec)**	**AERMOD Line Source**
Building CIC - 1	7.49E+01	3.7E-02	2.05E-01	1.08E-03	3.87E-01	1.93E-04	1.06E-03	5.57E-06	7.52E+01	3.8E-02	2.06E-01	1.08E-03	LCIC1
Building CIC - 2	4.04E+01	2.0E-02	1.11E-01	5.82E-04	2.09E-01	1.04E-04	5.72E-04	3.00E-06	4.06E+01	2.0E-02	1.11E-01	5.85E-04	LCIC2
Building CIC - 3	4.97E+00	2.5E-03	1.36E-02	7.16E-05	2.15E-02	1.07E-05	5.88E-05	3.09E-07	4.99E+00	2.5E-03	1.37E-02	7.19E-05	LCIC3
Building CIC - 4	1.07E+01	5.3E-03	2.93E-02	1.54E-04	4.61E-02	2.30E-05	1.26E-04	6.64E-07	1.07E+01	5.4E-03	2.94E-02	1.54E-04	LCIC4
Building CIC - 5	3.57E+00	1.8E-03	9.77E-03	5.14E-05	1.54E-02	7.70E-06	4.22E-05	2.22E-07	3.58E+00	1.8E-03	9.82E-03	5.16E-05	LCIC5
Building Non-CIC 1	5.14E+00	2.6E-03	1.41E-02	7.41E-05	2.66E-02	1.33E-05	7.28E-05	3.83E-07	5.17E+00	2.6E-03	1.42E-02	7.44E-05	LNCIC1
Building Non-CIC 2	8.47E+00	4.2E-03	2.32E-02	1.22E-04	4.37E-02	2.19E-05	1.20E-04	6.30E-07	8.51E+00	4.3E-03	2.33E-02	1.23E-04	LNCIC2
Building Non-CIC 3	5.03E+00	2.5E-03	1.38E-02	7.24E-05	2.60E-02	1.30E-05	7.12E-05	3.74E-07	5.06E+00	2.5E-03	1.39E-02	7.28E-05	LNCIC3
Building Non-CIC 4	4.55E+00	2.3E-03	1.25E-02	6.56E-05	2.35E-02	1.18E-05	6.44E-05	3.39E-07	4.58E+00	2.3E-03	1.25E-02	6.59E-05	LNCIC4
Building Non-CIC 5	5.39E+00	2.7E-03	1.48E-02	7.76E-05	2.78E-02	1.39E-05	7.62E-05	4.01E-07	5.42E+00	2.7E-03	1.48E-02	7.80E-05	LNCIC5
Building Non-CIC 6	1.85E+00	9.2E-04	5.06E-03	2.66E-05	7.97E-03	3.99E-06	2.18E-05	1.15E-07	1.86E+00	9.3E-04	5.08E-03	2.67E-05	LNCIC6
Building Non-CIC 7	2.59E+00	1.3E-03	7.09E-03	3.73E-05	1.12E-02	5.59E-06	3.06E-05	1.61E-07	2.60E+00	1.3E-03	7.12E-03	3.74E-05	LNCIC7
Building Non-CIC 8	3.76E+00	1.9E-03	1.03E-02	5.41E-05	1.62E-02	8.11E-06	4.45E-05	2.34E-07	3.77E+00	1.9E-03	1.03E-02	5.43E-05	LNCIC8
Building Non-CIC 9	3.07E+00	1.5E-03	8.41E-03	4.42E-05	1.33E-02	6.63E-06	2.26E-02	1.91E-07	3.08E+00	1.5E-03	3.10E-02	4.44E-05	LNCIC9
Building Non-CIC 10	7.85E-01	3.9E-04	2.15E-03	1.13E-05	3.39E-03	1.69E-06	9.28E-06	4.88E-08	7.88E-01	3.9E-04	2.16E-03	1.13E-05	LNCIC10
Building Non-CIC 11	1.64E+00	8.2E-04	4.50E-03	2.37E-05	7.10E-03	3.55E-06	1.94E-05	1.02E-07	1.65E+00	8.3E-04	4.52E-03	2.38E-05	LNCIC11
Building Non-CIC 12	3.36E+00	1.7E-03	9.21E-03	4.84E-05	1.45E-02	7.26E-06	3.77E-02	2.09E-07	3.38E+00	1.7E-03	4.69E-02	4.86E-05	LNCIC12
Building Non-CIC 13	4.83E+00	2.4E-03	1.32E-02	6.95E-05	2.09E-02	1.04E-05	5.71E-05	3.00E-07	4.85E+00	2.4E-03	1.33E-02	6.98E-05	LNCIC13
Building Non-CIC 14 (Auto Parts)	4.84E+00	2.4E-03	1.33E-02	6.97E-05	1.91E-01	9.55E-05	5.23E-04	2.75E-06	5.03E+00	2.5E-03	1.38E-02	7.24E-05	LNCIC14
TOTAL	**1.90E+02**	**9.49E-02**	**5.20E-01**	**2.73E-03**	**1.11E+00**	**5.56E-04**	**6.32E-02**	**1.60E-05**	**1.91E+02**	**9.54E-02**	**5.83E-01**	**2.75E-03**	

Idling Emissions

Summary	**#Loading Dock Stations**	**Total Emission (lb/yr)**	**Total Emission (tons/yr)**	**Total Daily Emissions (lbs/day)**	**Annual Average Emissions (g/sec)**	**Annual Average Emissions per Loading Dock Station (g/sec)**	**AERMOD Idle Source**
Building CIC - 1	4	1.65E+01	8.23E-03	4.51E-02	2.37E-04	5.92E-05	ICIC1_1 to ICIC1_4
Building CIC - 2	4	1.15E+01	5.76E-03	3.16E-02	1.66E-04	4.15E-05	ICIC2_1 to ICIC2_4
Building CIC - 3	3	1.81E+00	9.06E-04	4.96E-03	2.61E-05	8.70E-06	ICIC3_1 to ICIC3_3
Building CIC - 4	3	3.76E+00	1.88E-03	1.03E-02	5.41E-05	1.80E-05	ICIC4_1 to ICIC4_3
Building CIC - 5	3	1.79E+00	8.94E-04	4.90E-03	2.57E-05	8.58E-06	ICIC5_1 to ICIC5_3
Building Non CIC - 1	2	2.67E+00	1.33E-03	7.31E-03	3.84E-05	1.92E-05	INCIC1_1 to INCIC1_2
Building Non CIC - 2	2	2.79E+00	1.40E-03	7.65E-03	4.02E-05	2.01E-05	INCIC2_1 to INCIC2_2
Building Non CIC - 3	2	2.58E+00	1.29E-03	7.07E-03	3.72E-05	1.86E-05	INCIC3_1 to INCIC3_2
Building Non CIC - 4	2	2.80E+00	1.40E-03	7.68E-03	4.04E-05	2.02E-05	INCIC4_1 to INCIC4_2
Building Non CIC - 5	2	2.14E+00	1.07E-03	5.88E-03	3.09E-05	1.54E-05	INCIC5_1 to INCIC5_2
Building Non CIC - 6	1	1.76E+00	8.82E-04	4.83E-03	2.54E-05	2.54E-05	INCIC6
Building Non CIC - 7	1	1.42E+00	7.11E-04	3.90E-03	2.05E-05	2.05E-05	INCIC7
Building Non CIC - 8	1	1.44E+00	7.18E-04	3.93E-03	2.07E-05	2.07E-05	INCIC8
Building Non CIC - 9	1	1.92E+00	9.62E-04	5.27E-03	2.77E-05	2.77E-05	INCIC9
Building Non CIC - 10	1	8.74E-01	4.37E-04	2.40E-03	1.26E-05	1.26E-05	INCIC10
Building Non CIC - 11	1	1.32E+00	6.59E-04	3.61E-03	1.90E-05	1.90E-05	INCIC11
Building Non CIC - 12	1	1.68E+00	8.42E-04	4.62E-03	2.43E-05	2.43E-05	INCIC12
Building Non CIC - 13	1	1.76E+00	8.80E-04	4.82E-03	2.53E-05	2.53E-05	INCIC13
Building Non-CIC - 14 (Auto Parts)	1	2.89E+00	1.45E-03	7.93E-03	4.17E-05	4.17E-05	INCIC14
TOTAL		**6.34E+01**	**3.17E-02**	**1.74E-01**	**9.13E-04**		

Grand Totals (Travel + Idling)	**Total Emissions (lb/yr)**	**Total Emission (tons/yr)**	**Total Daily Emissions (lbs/day)**	**Annual Average Emissions (g/sec)**
Building CIC - 1	9.17E+01	4.59E-02	2.51E-01	1.32E-03
Building CIC - 2	5.21E+01	2.61E-02	1.43E-01	7.50E-04
Building CIC - 3	6.80E+00	3.40E-03	1.86E-02	9.80E-05
Building CIC - 4	1.45E+01	7.24E-03	3.97E-02	2.08E-04
Building CIC - 5	5.37E+00	2.69E-03	1.47E-02	7.73E-05
Building Non CIC - 1	7.84E+00	3.92E-03	2.15E-02	1.13E-04
Building Non CIC - 2	1.13E+01	5.65E-03	3.10E-02	1.63E-04
Building Non CIC - 3	7.64E+00	3.82E-03	2.09E-02	1.10E-04
Building Non CIC - 4	7.38E+00	3.69E-03	2.02E-02	1.06E-04
Building Non CIC - 5	7.56E+00	3.78E-03	2.07E-02	1.09E-04
Building Non CIC - 6	3.62E+00	1.81E-03	9.91E-03	5.21E-05
Building Non CIC - 7	4.02E+00	2.01E-03	1.10E-02	5.79E-05
Building Non CIC - 8	5.21E+00	2.60E-03	1.43E-02	7.50E-05
Building Non CIC - 9	5.01E+00	2.50E-03	3.62E-02	7.21E-05
Building Non CIC - 10	1.66E+00	8.31E-04	4.55E-03	2.39E-05
Building Non CIC - 11	2.97E+00	1.48E-03	8.14E-03	4.28E-05
Building Non CIC - 12	5.06E+00	2.53E-03	5.15E-02	7.29E-05
Building Non CIC - 13	6.61E+00	3.31E-03	1.81E-02	9.52E-05
Building Non-CIC - 14 (Auto Parts)	7.93E+00	3.96E-03	2.17E-02	1.14E-04
Total	**2.54E+02**	**1.27E-01**	**7.57E-01**	**3.66E-03**

Title : SJVAPCD - Northwest Airport Master Plan for 2018 and 2030
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2010/07/22 14:28:28
Scen Year: 2019 -- All model years in the range 1975 to 2019 selected
Season : Annual
Area : San Joaquin Valley

****

Year: 2019 -- Model Years 1975 to 2019 Inclusive -- Annual
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Joaquin Valley Basin Average Basin Average

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: PM10 Temperature: 65F Relative Humidity: 60%

Speed MPH	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 NCAT	LDT1 CAT	LDT1 DSL	LDT1 ALL	LDT2 NCAT	LDT2 CAT	LDT2 DSL	LDT2 ALL	MDV NCAT	MDV CAT	MDV DSL	MDV ALL	LHD1 NCAT	LHD1 CAT	LHD1 DSL	LHD1 ALL	LHD2 NCAT	LHD2 CAT	LHD2 DSL	LHD2 ALL	MHD NCAT	MHD CAT	MHD DSL	MHD ALL	HHD NCAT	HHD CAT	HHD DSL	HHD ALL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.777	0.177	0	0	0.848	0.394	0	0	0.912	0.76	0	0	0.664	0.656
5	0.104	0.057	0.23	0.057	0.087	0.063	0.129	0.064	0.113	0.139	0.194	0.14	0.107	0.144	0.12	0.144	0.101	0.045	0.09	0.055	0.101	0.041	0.09	0.064	0.101	0.053	0.484	0.412	0.101	0.09	0.562	0.556
10	0.074	0.037	0.18	0.037	0.062	0.041	0.101	0.042	0.08	0.091	0.152	0.091	0.076	0.094	0.094	0.094	0.066	0.03	0.071	0.039	0.066	0.027	0.07	0.047	0.066	0.035	0.38	0.322	0.066	0.059	0.401	0.396
15	0.055	0.025	0.145	0.025	0.046	0.028	0.081	0.029	0.06	0.062	0.122	0.062	0.057	0.064	0.076	0.064	0.045	0.02	0.057	0.029	0.045	0.018	0.057	0.036	0.045	0.024	0.305	0.258	0.045	0.04	0.281	0.278
20	0.043	0.018	0.119	0.018	0.036	0.02	0.067	0.021	0.047	0.045	0.1	0.045	0.044	0.046	0.062	0.046	0.032	0.014	0.047	0.022	0.032	0.013	0.046	0.029	0.032	0.017	0.25	0.211	0.032	0.029	0.211	0.209
25	0.035	0.014	0.1	0.014	0.029	0.015	0.056	0.016	0.038	0.034	0.084	0.034	0.036	0.035	0.052	0.035	0.024	0.011	0.039	0.017	0.024	0.01	0.039	0.023	0.024	0.012	0.21	0.177	0.024	0.021	0.186	0.184
30	0.03	0.011	0.085	0.011	0.025	0.012	0.048	0.013	0.033	0.027	0.072	0.027	0.031	0.028	0.045	0.028	0.019	0.008	0.034	0.014	0.019	0.008	0.033	0.02	0.019	0.01	0.18	0.151	0.019	0.017	0.17	0.168
35	0.027	0.009	0.075	0.009	0.022	0.011	0.042	0.011	0.029	0.023	0.063	0.023	0.028	0.024	0.039	0.024	0.015	0.007	0.029	0.012	0.015	0.006	0.029	0.017	0.015	0.008	0.158	0.133	0.015	0.013	0.163	0.162

Northwest Airport Way Master Plan

Rail Emissions associated with CIC Portion DPM Emissions

Year: 2019
Locomotive Class: Switcher
Number of Locomotives: 1
Locomotive Schedule: 2 days per week
3 hours per day
6 hours per week
312 hours per year

DPM Emission Factor

Emission factors were derived from projections made by the USEPA for large switcher engines as fleet averages in 2024

DPM: 4.4 g/gal
Conversion 15.2 bhp-hr/gal

DPM Emission Factor: 0.289 g/bhp-hr

Notch Setting assumed to be Notch 2 on average while operating within the yard

Information derived from the Port of Long Beach Emission Inventory indicates that the horsepower at Notch Setting 2 is: 249 horsepower

Therefore, the emission rate while operating in Notch Setting 2 = 72.07895 grams/hour

Total annual emissions are: 22488.63 grams per year or 0.024767 tons/year

Average emission rate: 0.000713 grams/sec

Reference: USEPA, 2009. Emission Factors for Locomotives. EPA-420-F-09-025
Starcrest 2009. Port of Long Beach 2007 Air Emission Inventory

Northwest Airport Way Master Plan **2024**

DPM Emissions

Emission Assumptions - CIC Only

Emission Factors

1) Vehicle Emissions

a) Truck and Auto Traffic

(1) EMFAC2007

(a) Winter Meteorology
- Temperature: 65 degF
- Relative Humidity: 60 %

(b) Calculations for SJVAPCD

(c) Truck Mix
- Urbemis/Traffic Impact Study used to derive fleet mix
- Urbemis to derive the number of diesel truck vehicles

(d) Vehicle Travel Speed
- Onsite Travel 15 mph
- Idle Speed 0 mph

(e) Truck Idle time: 5 minutes (truck idling only applies to LHDT1, LHDT2, MHDT, and HHDT diesel vehicles)

(f) Emission factors for DPM emissions

(g) Emissions calculated for 2024

Traffic Allocation

1) Traffic was allocated to each building as a function of building size (square footage) and function
2) Trip generation from the traffic study - Fears 2010
3) Onsite travel emssions generated from diesel at all buildings
4) Onsite idling emissions generated only by heavy duty diesel trucks

Emission Source Configuration

1) Vehicle traffic represented by a line source
2) Onsite idling represented as a point source

Onsite Diesel Truck Travel Links

Location	Diesel Truck Travel Distance (m)
CIC-Building 1	1050
CIC Building 2	810
CIC Building 3	550
CIC Building 4	570
CIC Building 5	400
Non-CIC Building 1	445
Non-CIC Building 2	700
Non-CIC Building 3	450
Non-CIC Building 4	375
Non-CIC Building 5	580
Non-CIC Building 6	210
Non-CIC Building 7	365
Non-CIC Building 8	525
Non-CIC Building 9	320
Non-CIC Building 10	180
Non-CIC Building 11	250
Non-CIC Building 12	400
Non-CIC Building 13	550
Non-CIC Building 14	520
Non-CIC Retail	190

Other Input Parameters

Facility Operations for Warehouses (hr):	24
Facility operations for Offices/Commercial (hr):	24

Northwest Airport Way Master Plan **2024**
Vehicle Fleet Mix

	Building Size (sq-ft)	Land Use	Summary		
CIC Portion of Master Plan					
CIC: Building 1	1491718	High Cube	High Cube =	2535433	sq-ft
CIC: Building 2	1043715	High Cube	Light Industrial =	641567	sq-ft
CIC: Building 3	158050	Light Industrial	Total=	3177000	sq-ft
CIC: Building 4	327554	Light Industrial			
CIC: Building 5	155963	Light Industrial			
Subtotal	3177000				
Remainder of Master Plan					
Non-CIC Building 1	209646	High Cube	1244793		
Non-CIC Building 2	219344	High Cube			
Non-CIC Building 3	202821	High Cube			
Non-CIC Building 4	220227	High Cube			
Non-CIC Building 5	168462	High Cube			
Non-CIC Building 6	32467	Light Industrial			
Non-CIC Building 7	26178	Light Industrial			
Non-CIC Building 8	26424	Light Industrial			
Non-CIC Building 9	35413	Light Industrial			
Non-CIC Building 10	16096	Light Industrial			
Non-CIC Building 11	24276	Light Industrial			
Non-CIC Building 12	31024	Light Industrial			
Non-CIC Building 13	32416	Light Industrial			
Non-CIC Auto Service	30807	Light Industrial			
Non-CIC: Retail	205820	Retail			
Subtotal	1481420				
Grand Total	4658420				

Trip Generation - CIC

	trips/day (Non-PCE)
Total New Trips	3570
CIC - High Cube	2849
CIC - Light Industrial	721
Total	3570

Vehicle Fleet for CIC High Cube

	F & P (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Car)	47.0%	48.5%	0.2	1	648	649
LDT1		13.8%	5.8	11	174	185
LDT2		24.1%	0.5	2	321	323
MDT		13.6%	0	0	182	182
SubTotal		100.0%		14	1325	1339
Trucks	53.0%					
LHDT1 (2 axle truck)		21.9%	25	83	248	331
LHDT2		21.9%	55.6	184	147	331
MHDT (3 axle truck)		31.8%	84.6	406	74	480
HHDT (4+ axle truck)		24.4%	100	368	0	368
SubTotal		100.0%		1041	469	1510
	100.0%			1055	1794	2849

Vehicle Fleet for CIC - Light Industrial

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	47.0%	48.5%	0.2	0	164	164
LDT1		13.8%	5.8	3	44	47
LDT2		24.1%	0.5	0	81	82
MDT		13.6%	0	0	46	46
Subtotal		100.0%	0	3	335	339
Trucks	53.0%					
LHDT1		16.4%	25	16	47	63
LHDT2		16.4%	55.6	35	28	63
MHDT		17.9%	84.6	58	11	68
HHDT		49.3%	100	188	0	188
Subtotal		100.0%		297	85	382
Total	100.0%			300	421	721

Trip Generation - Remainder of Master Plan

	trips/day (Non-PCE)
High Cube	1323
Light Industrial	1194
Auto/Truck Parts/Service	982
Retail	9257
Total	12756

Vehicle Fleet for the Remainder of Master Plan - High Cube

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	47.0%	48.5%	0.2	1	301	302
LDT1		13.8%	5.8	5	81	86
LDT2		24.1%	0.5	1	149	150
MDT		13.6%	0	0	85	85
Subtotal		100.0%	0	6	615	622
Trucks	53.0%		0			
LHDT1		21.9%	25	38	115	154
LHDT2		21.9%	55.6	85	68	154
MHDT		31.8%	84.6	189	34	223
HHDT		24.4%	100	171	0	171
Subtotal		100.0%		483	218	701
total	100.0%	200.0%		490	833	1323

Vehicle Fleet for Remainder of Master Plan - Light Industrial

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	47.0%	48.5%	0.2	1	272	272
LDT1		13.8%	5.8	4	73	77
LDT2		24.1%	0.5	1	135	135
MDT		13.6%	0	0	76	76
Subtotal		100.0%	0	6	555	561
Trucks	53.0%		0			
LHDT1		16.4%	25	26	78	104
LHDT2		16.4%	55.6	58	46	104
MHDT		17.9%	84.6	96	17	113
HHDT		49.3%	100	312	0	312
Subtotal		100.0%		491	141	633
	100.0%			497	697	1194

Vehicle Fleet for Remainder of Master Plan - Auto/Truck Parts

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	80.0%	48.5%	0.2	1	380	381
LDT1		13.8%	5.8	6	102	108
LDT2		24.1%	0.5	1	188	189
MDT		13.6%	0	0	107	107
Subtotal		100.0%	0	8	778	786
Trucks	20.0%		0			
LHDT1		40.0%	25	20	59	79
LHDT2		30.0%	55.6	33	26	59
MHDT		20.0%	84.6	33	6	39
HHDT		10.0%	100	20	0	20
Subtotal		100.0%		105	91	196
	100.0%			113	869	982

Vehicle Fleet for Remainder of Master Plan - Retail

	F & H (2010) Vehicle Distribution	Vehicle Mix	URBEMIS % Diesel	Number of Daily Diesel Trips	Number of Daily Non-Diesel Trips	Total Number of Daily Trips
LDA (Passenger Cars)	98.0%	48.5%	0.2	9	4391	4400
LDT1		13.8%	5.8	73	1179	1252
LDT2		24.1%	0.5	11	2175	2186
MDT		13.6%	0	0	1234	1234
Subtotal		100.0%	0	92	8980	9072
Trucks	2.0%		0			
LHDT1		40.0%	25	19	56	74
LHDT2		30.0%	55.6	31	25	56
MHDT		20.0%	84.6	31	6	37
HHDT		10.0%	100	19	0	19
Subtotal		100.0%		99	86	185
	100.0%			192	9065	9257

Fehr & Peers 2010, Traffic Impact Study
Vehicle Fleet Mix taken from URBEMIS2007 V9.2.4 for the SJVAPCD in 2024 and the City of Fontana Truck Trip Generation Study (Fontana 2003)
URBEMIS % Diesel taken from URBEMIS2007 V9.2 for the SJVAPCD in 2024

Northwest Airport Way Master Plan

Trip Distribution by Land Use and Building

Center Point Intermodal Center

Land Use: High Cube

Building	Size (sq-ft)	% Total Land Use
1	1491718	58.8%
2	1043715	41.2%
Subtoal	2535433	1

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	1	6	1	0	49	108	239	217	621
2	1	4	1	0	34	76	167	152	434
Subtotal	1	11	2	0	83	184	406	368	1055

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	381	102	189	107	146	86	44	0	1056
2	267	72	132	75	102	60	30	0	739
Subtotal	648	174	321	182	248	147	74	0	1794
Grand Total	649	185	323	182	331	331	480	368	2849

Land Use: Light Industrial

Building	Size (sq-ft)	% Total Land Use
3	158050	24.6%
4	327554	51.1%
5	155963	24.3%
Total	641567	100.0%

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
3	0	1	0	0	4	9	14	46	74
4	0	1	0	0	8	18	30	96	153
5	0	1	0	0	4	8	14	46	73
Subtotal	0	3	0	0	16	35	58	188	300

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
3	40	11	20	11	12	7	3	0	104
4	84	22	41	24	24	14	5	0	215
5	40	11	20	11	11	7	3	0	102
Subtotal	164	44	81	46	47	28	11	0	421
Grand Total	164	47	82	46	63	63	68	188	721

Land Use: CIC All Buildings

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Diesel	2	13	2	0	98	219	464	557	1355
Non-Diesel	812	218	402	228	295	175	84	0	2215
Total	814	232	404	228	393	393	549	557	3570

Remainder of Master Plan

Land Use: High Cube

Building	Size (sq-ft)	% Total Land Use
1	209646	20.5%
2	219344	21.5%
3	202821	19.9%
4	220227	21.6%
5	168462	16.5%
Total	1020500	100.0%

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	0	1	0	0	8	18	39	35	101
2	0	1	0	0	8	18	41	37	105
3	0	1	0	0	8	17	37	34	97
4	0	1	0	0	8	18	41	37	106
5	0	1	0	0	6	14	31	28	81
Subtotal	1	5	1	0	38	85	189	171	490

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
1	62	17	31	17	24	14	7	0	171
2	65	17	32	18	25	15	7	0	179
3	60	16	30	17	23	14	7	0	166
4	65	17	32	18	25	15	7	0	180
5	50	13	25	14	19	11	6	0	138
Subtotal	301	81	149	85	115	68	34	0	833
Grand Total	302	86	150	85	154	154	223	171	1323

Land Use: Light Industrial

Building	Size (sq-ft)	% Total Land Use
6	32467	14.5%
7	26178	11.7%
8	26424	11.8%
9	35413	15.8%
10	16096	7.2%
11	24276	10.8%
12	31024	13.8%
13	32416	14.5%
Total	224292.79	100.0%

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
6	0	1	0	0	4	8	14	45	72
7	0	1	0	0	3	7	11	36	58
8	0	1	0	0	3	7	11	37	59
9	0	1	0	0	4	9	15	49	78
10	0	0	0	0	2	4	7	22	36
11	0	0	0	0	3	6	10	34	54
12	0	1	0	0	4	8	13	43	69
13	0	1	0	0	4	8	14	45	72
Subtotal	1	4	1	0	26	58	96	312	497

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
6	39	11	19	11	11	7	3	0	101
7	32	9	16	9	9	5	2	0	81
8	32	9	16	9	9	5	2	0	82
9	43	12	21	12	12	7	3	0	110
10	19	5	10	5	6	3	1	0	50
11	29	8	15	8	8	5	2	0	75
12	38	10	19	11	11	6	2	0	96
13	39	11	19	11	11	7	3	0	101
Subtotal	272	73	135	76	78	46	17	0	697
Grand Total	272	77	135	76	104	104	113	312	1194

Land Use: Retail

Building	Size (sq-ft)	% Total Land Use
Retail	205820	1

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Retail	9	73	11	0	19	31	31	19	192

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Retail	4391	1179	2175	1234	56	25	6	0	9065
Grand Total	4400	1252	2186	1234	74	56	37	19	9257

Land Use: Auto Service

Building	Size (sq-ft)	% Total Land Use
Retail	30807	1

Vehicle Allocation - Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Retail	1	6	1	0	20	33	33	20	113

Vehicle Allocation - Non-Diesel Trips

Building	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Retail	380	102	188	107	59	26	6	0	869
Grand Total	381	108	189	107	79	59	39	20	982

Land Use: Non-CIC All Buildings

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Diesel	11	88	13	0	102	207	349	521	1292
Non-Diesel	5344	1435	2647	1502	307	165	64	0	11464
Total	5355	1524	2661	1502	410	372	413	521	12756

Land Use: CIC + Non-CIC All Buildings

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Diesel	12	102	15	0	201	425	813	1078	2647
Non-Diesel	6156	1653	3050	1730	602	340	148	0	13679
Total	6168	1755	3065	1730	803	765	961	1078	16326

Northwest Airport Way Master Plan
Diesel Vehicle Emissions **DPM**

Processes Modeled
Diesel vehicle exhaust
Diesel vehicle idling

Facility Operations: 24 **hrs/day, 52weeks/year**

Roadway Links Modeled **DPM Emissions**

Link	Truck Type	Volume Source Length of side(ft)	Volume Source Length (m)	Average Speed (mph)	Emission Factor (g/mi)	Trips per day (in and out)	Link Length (m)	Link Length (mi)	Daily Ave Emissions Over Link (lb/yr)	Daily Ave Emissions (lbs/day)	Total Annual Emissions (tons/yr)	Daily Ave Emissions (g/sec)
Travel to CIC- Building 1	**LDA**	12	3.66	15	0.105	1	1050	0.65	4.208E-02	1.15E-04	2.104E-05	6.06E-07
	LDT1	12	3.66	15	0.080	6	1050	0.65	2.645E-01	7.25E-04	1.323E-04	3.81E-06
	LDT2	12	3.66	15	0.108	1	1050	0.65	5.377E-02	1.47E-04	2.688E-05	7.74E-07
	MDT	12	3.66	15	0.070	0	1050	0.65	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	49	1050	0.65	1.250E+00	3.42E-03	6.249E-04	1.80E-05
	LHDT2	12	3.66	15	0.045	108	1050	0.65	2.553E+00	6.99E-03	1.276E-03	3.68E-05
	MHDT	12	3.66	15	0.257	239	1050	0.65	3.221E+01	8.83E-02	1.611E-02	4.64E-04
	HHDT	12	3.66	15	0.135	217	1050	0.65	1.535E+01	4.20E-02	7.673E-03	2.21E-04
Travel to CIC -Building 2	**LDA**	12	3.66	15	0.105	1	810	0.50	2.271E-02	6.22E-05	1.136E-05	3.27E-07
	LDT1	12	3.66	15	0.080	4	810	0.50	1.428E-01	3.91E-04	7.139E-05	2.06E-06
	LDT2	12	3.66	15	0.108	1	810	0.50	2.902E-02	7.95E-05	1.451E-05	4.18E-07
	MDT	12	3.66	15	0.070	0	810	0.50	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	34	810	0.50	6.746E-01	1.85E-03	3.373E-04	9.71E-06
	LHDT2	12	3.66	15	0.045	76	810	0.50	1.378E+00	3.77E-03	6.889E-04	1.98E-05
	MHDT	12	3.66	15	0.257	167	810	0.50	1.739E+01	4.76E-02	8.693E-03	2.50E-04
	HHDT	12	3.66	15	0.135	152	810	0.50	8.283E+00	2.27E-02	4.142E-03	1.19E-04
Travel to CIC - Building 3	**LDA**	12	3.66	15	0.105	0	550	0.34	2.335E-03	6.40E-06	1.168E-06	3.36E-08
	LDT1	12	3.66	15	0.080	1	550	0.34	1.468E-02	4.02E-05	7.341E-06	2.11E-07
	LDT2	12	3.66	15	0.108	0	550	0.34	2.984E-03	8.18E-06	1.492E-06	4.30E-08
	MDT	12	3.66	15	0.070	0	550	0.34	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	4	550	0.34	5.194E-02	1.42E-04	2.597E-05	7.48E-07
	LHDT2	12	3.66	15	0.045	9	550	0.34	1.061E-01	2.91E-04	5.305E-05	1.53E-06
	MHDT	12	3.66	15	0.257	14	550	0.34	1.006E+00	2.76E-03	5.031E-04	1.45E-05
	HHDT	12	3.66	15	0.135	46	550	0.34	1.721E+00	4.71E-03	8.604E-04	2.48E-05
Travel to CIC - Building 4	**LDA**	12	3.66	15	0.105	0	570	0.35	5.016E-03	1.37E-05	2.508E-06	7.22E-08
	LDT1	12	3.66	15	0.080	1	570	0.35	3.153E-02	8.64E-05	1.577E-05	4.54E-07
	LDT2	12	3.66	15	0.108	0	570	0.35	6.409E-03	1.76E-05	3.205E-06	9.23E-08
	MDT	12	3.66	15	0.070	0	570	0.35	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	8	570	0.35	1.116E-01	3.06E-04	5.578E-05	1.61E-06
	LHDT2	12	3.66	15	0.045	18	570	0.35	2.279E-01	6.24E-04	1.139E-04	3.28E-06
	MHDT	12	3.66	15	0.257	30	570	0.35	2.161E+00	5.92E-03	1.081E-03	3.11E-05
	HHDT	12	3.66	15	0.135	96	570	0.35	3.696E+00	1.01E-02	1.848E-03	5.32E-05
Travel to CIC Building 5	**LDA**	12	3.66	15	0.105	0	400	0.25	1.676E-03	4.59E-06	8.380E-07	2.41E-08
	LDT1	12	3.66	15	0.080	1	400	0.25	1.054E-02	2.89E-05	5.268E-06	1.52E-07
	LDT2	12	3.66	15	0.108	0	400	0.25	2.142E-03	5.87E-06	1.071E-06	3.08E-08
	MDT	12	3.66	15	0.070	0	400	0.25	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	4	400	0.25	3.728E-02	1.02E-04	1.864E-05	5.37E-07
	LHDT2	12	3.66	15	0.045	8	400	0.25	7.614E-02	2.09E-04	3.807E-05	1.10E-06
	MHDT	12	3.66	15	0.257	14	400	0.25	7.222E-01	1.98E-03	3.611E-04	1.04E-05
	HHDT	12	3.66	15	0.135	46	400	0.25	1.235E+00	3.38E-03	6.175E-04	1.78E-05
Non-CIC Building 1	**LDA**	12	3.66	15	0.105	0	445	0.28	2.892E-03	7.92E-06	1.446E-06	4.16E-08
	LDT1	12	3.66	15	0.080	1	445	0.28	1.818E-02	4.98E-05	9.089E-06	2.62E-07
	LDT2	12	3.66	15	0.108	0	445	0.28	3.695E-03	1.01E-05	1.847E-06	5.32E-08
	MDT	12	3.66	15	0.070	0	445	0.28	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	8	445	0.28	8.589E-02	2.35E-04	4.294E-05	1.24E-06
	LHDT2	12	3.66	15	0.045	18	445	0.28	1.754E-01	4.81E-04	8.771E-05	2.53E-06
	MHDT	12	3.66	15	0.257	39	445	0.28	2.213E+00	6.06E-03	1.107E-03	3.19E-05
	HHDT	12	3.66	15	0.135	35	445	0.28	1.055E+00	2.89E-03	5.273E-04	1.52E-05
Non-CIC Building 2	**LDA**	12	3.66	15	0.105	0	700	0.43	4.759E-03	1.30E-05	2.379E-06	6.85E-08
	LDT1	12	3.66	15	0.080	1	700	0.43	2.992E-02	8.20E-05	1.496E-05	4.31E-07
	LDT2	12	3.66	15	0.108	0	700	0.43	6.081E-03	1.67E-05	3.040E-06	8.75E-08
	MDT	12	3.66	15	0.070	0	700	0.43	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	8	700	0.43	1.414E-01	3.87E-04	7.068E-05	2.03E-06
	LHDT2	12	3.66	15	0.045	18	700	0.43	2.887E-01	7.91E-04	1.444E-04	4.16E-06
	MHDT	12	3.66	15	0.257	41	700	0.43	3.643E+00	9.98E-03	1.821E-03	5.24E-05
	HHDT	12	3.66	15	0.135	37	700	0.43	1.736E+00	4.76E-03	8.678E-04	2.50E-05
Non-CIC Building 3	**LDA**	12	3.66	15	0.105	0	450	0.28	2.829E-03	7.75E-06	1.414E-06	4.07E-08
	LDT1	12	3.66	15	0.080	1	450	0.28	1.778E-02	4.87E-05	8.892E-06	2.56E-07
	LDT2	12	3.66	15	0.108	0	450	0.28	3.615E-03	9.90E-06	1.807E-06	5.20E-08
	MDT	12	3.66	15	0.070	0	450	0.28	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	8	450	0.28	8.402E-02	2.30E-04	4.201E-05	1.21E-06
	LHDT2	12	3.66	15	0.045	17	450	0.28	1.716E-01	4.70E-04	8.581E-05	2.47E-06
	MHDT	12	3.66	15	0.257	37	450	0.28	2.165E+00	5.93E-03	1.083E-03	3.12E-05
	HHDT	12	3.66	15	0.135	34	450	0.28	1.032E+00	2.83E-03	5.158E-04	1.49E-05
Non-CIC Building 4	**LDA**	12	3.66	15	0.105	0	375	0.23	2.560E-03	7.01E-06	1.280E-06	3.68E-08
	LDT1	12	3.66	15	0.080	1	375	0.23	1.609E-02	4.41E-05	8.046E-06	2.32E-07
	LDT2	12	3.66	15	0.108	0	375	0.23	3.271E-03	8.96E-06	1.635E-06	4.71E-08
	MDT	12	3.66	15	0.070	0	375	0.23	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	8	375	0.23	7.603E-02	2.08E-04	3.801E-05	1.09E-06
	LHDT2	12	3.66	15	0.045	18	375	0.23	1.553E-01	4.25E-04	7.764E-05	2.24E-06
	MHDT	12	3.66	15	0.257	41	375	0.23	1.959E+00	5.37E-03	9.797E-04	2.82E-05
	HHDT	12	3.66	15	0.135	37	375	0.23	9.335E-01	2.56E-03	4.668E-04	1.34E-05
Non-CIC Building 5	**LDA**	12	3.66	15	0.105	0	580	0.36	3.028E-03	8.30E-06	1.514E-06	4.36E-08
	LDT1	12	3.66	15	0.080	1	580	0.36	1.904E-02	5.22E-05	9.520E-06	2.74E-07
	LDT2	12	3.66	15	0.108	0	580	0.36	3.870E-03	1.06E-05	1.935E-06	5.57E-08
	MDT	12	3.66	15	0.070	0	580	0.36	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	6	580	0.36	8.995E-02	2.46E-04	4.498E-05	1.29E-06
	LHDT2	12	3.66	15	0.045	14	580	0.36	1.837E-01	5.03E-04	9.186E-05	2.64E-06
	MHDT	12	3.66	15	0.257	31	580	0.36	2.318E+00	6.35E-03	1.159E-03	3.34E-05
	HHDT	12	3.66	15	0.135	28	580	0.36	1.104E+00	3.03E-03	5.522E-04	1.59E-05

Non-CIC Building 6	**LDA**	12	3.66	15	0.105	0	210	0.13	8.677E-04	2.38E-06	4.339E-07	1.25E-08
	LDT1	12	3.66	15	0.080	1	210	0.13	5.455E-03	1.49E-05	2.728E-06	7.85E-08
	LDT2	12	3.66	15	0.108	0	210	0.13	1.109E-03	3.04E-06	5.544E-07	1.60E-08
	MDT	12	3.66	15	0.070	0	210	0.13	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	4	210	0.13	1.930E-02	5.29E-05	9.651E-06	2.78E-07
	LHDT2	12	3.66	15	0.045	8	210	0.13	3.942E-02	1.08E-04	1.971E-05	5.68E-07
	MHDT	12	3.66	15	0.257	14	210	0.13	3.739E-01	1.02E-03	1.870E-04	5.38E-06
	HHDT	12	3.66	15	0.135	45	210	0.13	6.394E-01	1.75E-03	3.197E-04	9.21E-06
Non-CIC Building 7	**LDA**	12	3.66	15	0.105	0	365	0.23	1.216E-03	3.33E-06	6.080E-07	1.75E-08
	LDT1	12	3.66	15	0.080	1	365	0.23	7.645E-03	2.09E-05	3.823E-06	1.10E-07
	LDT2	12	3.66	15	0.108	0	365	0.23	1.554E-03	4.26E-06	7.769E-07	2.24E-08
	MDT	12	3.66	15	0.070	0	365	0.23	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	3	365	0.23	2.705E-02	7.41E-05	1.352E-05	3.89E-07
	LHDT2	12	3.66	15	0.045	7	365	0.23	5.525E-02	1.51E-04	2.762E-05	7.95E-07
	MHDT	12	3.66	15	0.257	11	365	0.23	5.240E-01	1.44E-03	2.620E-04	7.54E-06
	HHDT	12	3.66	15	0.135	36	365	0.23	8.961E-01	2.46E-03	4.480E-04	1.29E-05
Non-CIC Building 8	**LDA**	12	3.66	15	0.105	0	525	0.33	1.766E-03	4.84E-06	8.828E-07	2.54E-08
	LDT1	12	3.66	15	0.080	1	525	0.33	1.110E-02	3.04E-05	5.550E-06	1.60E-07
	LDT2	12	3.66	15	0.108	0	525	0.33	2.256E-03	6.18E-06	1.128E-06	3.25E-08
	MDT	12	3.66	15	0.070	0	525	0.33	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	3	525	0.33	3.927E-02	1.08E-04	1.964E-05	5.65E-07
	LHDT2	12	3.66	15	0.045	7	525	0.33	8.021E-02	2.20E-04	4.010E-05	1.15E-06
	MHDT	12	3.66	15	0.257	11	525	0.33	7.608E-01	2.08E-03	3.804E-04	1.10E-05
	HHDT	12	3.66	15	0.135	37	525	0.33	1.301E+00	3.56E-03	6.505E-04	1.87E-05
Non-CIC Building 9	**LDA**	12	3.66	15	0.105	0	320	0.20	1.442E-03	3.95E-06	7.211E-07	2.08E-08
	LDT1	12	3.66	15	0.080	1	320	0.20	9.067E-03	2.48E-05	4.534E-06	1.31E-07
	LDT2	12	3.66	15	0.108	0	320	0.20	1.843E-03	5.05E-06	9.214E-07	2.65E-08
	MDT	12	3.66	15	0.070	0	320	0.20	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	4	320	0.20	3.208E-02	8.79E-05	1.604E-05	4.62E-07
	LHDT2	12	3.66	15	0.045	9	320	0.20	6.552E-02	1.80E-04	3.276E-05	9.43E-07
	MHDT	12	3.66	15	0.257	15	320	0.20	6.215E-01	1.70E-03	3.107E-04	8.95E-06
	HHDT	12	3.66	15	0.135	49	320	0.20	1.063E+00	2.91E-03	5.314E-04	1.53E-05
Non-CIC Building 10	**LDA**	12	3.66	15	0.105	0	180	0.11	3.687E-04	1.01E-06	1.844E-07	5.31E-09
	LDT1	12	3.66	15	0.080	0	180	0.11	2.318E-03	6.35E-06	1.159E-06	3.34E-08
	LDT2	12	3.66	15	0.108	0	180	0.11	4.712E-04	1.29E-06	2.356E-07	6.78E-09
	MDT	12	3.66	15	0.070	0	180	0.11	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	2	180	0.11	8.202E-03	2.25E-05	4.101E-06	1.18E-07
	LHDT2	12	3.66	15	0.045	4	180	0.11	1.675E-02	4.59E-05	8.376E-06	2.41E-07
	MHDT	12	3.66	15	0.257	7	180	0.11	1.589E-01	4.35E-04	7.944E-05	2.29E-06
	HHDT	12	3.66	15	0.135	22	180	0.11	2.717E-01	7.44E-04	1.359E-04	3.91E-06
Non-CIC Building 11	**LDA**	12	3.66	15	0.105	0	250	0.16	7.724E-04	2.12E-06	3.862E-07	1.11E-08
	LDT1	12	3.66	15	0.080	0	250	0.16	4.856E-03	1.33E-05	2.428E-06	6.99E-08
	LDT2	12	3.66	15	0.108	0	250	0.16	9.869E-04	2.70E-06	4.935E-07	1.42E-08
	MDT	12	3.66	15	0.070	0	250	0.16	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	3	250	0.16	1.718E-02	4.71E-05	8.590E-06	2.47E-07
	LHDT2	12	3.66	15	0.045	6	250	0.16	3.509E-02	9.61E-05	1.755E-05	5.05E-07
	MHDT	12	3.66	15	0.257	10	250	0.16	3.328E-01	9.12E-04	1.664E-04	4.79E-06
	HHDT	12	3.66	15	0.135	34	250	0.16	5.692E-01	1.56E-03	2.846E-04	8.19E-06
Non-CIC Building 12	**LDA**	12	3.66	15	0.105	0	400	0.25	1.579E-03	4.33E-06	7.897E-07	2.27E-08
	LDT1	12	3.66	15	0.080	1	400	0.25	9.929E-03	2.72E-05	4.965E-06	1.43E-07
	LDT2	12	3.66	15	0.108	0	400	0.25	2.018E-03	5.53E-06	1.009E-06	2.91E-08
	MDT	12	3.66	15	0.070	0	400	0.25	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	4	400	0.25	3.513E-02	9.62E-05	1.757E-05	5.06E-07
	LHDT2	12	3.66	15	0.045	8	400	0.25	7.175E-02	1.97E-04	3.588E-05	1.03E-06
	MHDT	12	3.66	15	0.257	13	400	0.25	6.805E-01	1.86E-03	3.403E-04	9.80E-06
	HHDT	12	3.66	15	0.135	43	400	0.25	1.164E+00	3.19E-03	5.819E-04	1.68E-05
Non-CIC Building 13	**LDA**	12	3.66	15	0.105	0	550	0.34	2.269E-03	6.22E-06	1.135E-06	3.27E-08
	LDT1	12	3.66	15	0.080	1	550	0.34	1.427E-02	3.91E-05	7.133E-06	2.05E-07
	LDT2	12	3.66	15	0.108	0	550	0.34	2.899E-03	7.94E-06	1.450E-06	4.17E-08
	MDT	12	3.66	15	0.070	0	550	0.34	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	4	550	0.34	5.047E-02	1.38E-04	2.524E-05	7.27E-07
	LHDT2	12	3.66	15	0.045	8	550	0.34	1.031E-01	2.82E-04	5.154E-05	1.48E-06
	MHDT	12	3.66	15	0.257	14	550	0.34	9.777E-01	2.68E-03	4.889E-04	1.41E-05
	HHDT	12	3.66	15	0.135	45	550	0.34	1.672E+00	4.58E-03	8.360E-04	2.41E-05
Non-CIC Building 14 (Auto Parts)	**LDA**	12	3.66	15	0.105	1	520	0.32	2.078E-02	5.69E-05	1.039E-05	2.99E-07
	LDT1	12	3.66	15	0.080	6	520	0.32	1.306E-01	3.58E-04	6.532E-05	1.88E-06
	LDT2	12	3.66	15	0.108	1	520	0.32	2.655E-02	7.27E-05	1.328E-05	3.82E-07
	MDT	12	3.66	15	0.070	0	520	0.32	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	20	520	0.32	2.499E-01	6.85E-04	1.250E-04	3.60E-06
	LHDT2	12	3.66	15	0.045	33	520	0.32	3.829E-01	1.05E-03	1.914E-04	5.51E-06
	MHDT	12	3.66	15	0.257	33	520	0.32	2.218E+00	6.08E-03	1.109E-03	3.19E-05
	HHDT	12	3.66	15	0.135	20	520	0.32	6.886E-01	1.89E-03	3.443E-04	9.91E-06
Non-CIC Retail	**LDA**	12	3.66	15	0.105	9	190	0.12	8.768E-02	2.40E-04	4.384E-05	1.26E-06
	LDT1	12	3.66	15	0.080	73	190	0.12	5.512E-01	1.51E-03	2.756E-04	7.94E-06
	LDT2	12	3.66	15	0.108	11	190	0.12	1.120E-01	3.07E-04	5.602E-05	1.61E-06
	MDT	12	3.66	15	0.070	0	190	0.12	0.000E+00	0.00E+00	0.000E+00	0.00E+00
	LHDT1	12	3.66	15	0.049	19	190	0.12	8.608E-02	2.36E-04	4.304E-05	1.24E-06
	LHDT2	12	3.66	15	0.045	31	190	0.12	1.319E-01	3.61E-04	6.593E-05	1.90E-06
	MHDT	12	3.66	15	0.257	31	190	0.12	7.639E-01	2.09E-03	3.820E-04	1.10E-05
	HHDT	12	3.66	15	0.135	19	190	0.12	2.372E-01	6.50E-04	1.186E-04	3.41E-06
Total - All Buildings	**LDA**	12	3.66	15		12						
	LDT1	12	3.66	15		102						
	LDT2	12	3.66	15		15						
	MDT	12	3.66	15		0						
	LHDT1	12	3.66	15		201						
	LHDT2	12	3.66	15		425						
	MHDT	12	3.66	15		813						
	HHDT	12	3.66	15		1078						
	Total					2635			**1.29E+02**	**3.54E-01**	**6.45E-02**	**1.86E-03**

Diesel truck Idling Emissions

DPM Emissions Idle Time (minutes) 5

Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	# Vehicles	Emissions (g/day)	Annual Emissions (lb/yr)	Daily Emissions (lbs/day)	Total Annual Emissions (tons/yr)	Annual Average Emissions (g/sec)
Idle at Building CIC 1	**LHDT1**	0.781	5	24	1.58E+00	1.27E+00	3.49E-03	6.36E-04	1.83E-05
	LHDT2	0.823	5	54	3.71E+00	2.98E+00	8.17E-03	1.49E-03	4.29E-05
	MHDT	0.852	5	120	8.48E+00	6.82E+00	1.87E-02	3.41E-03	9.82E-05
	HHDT	0.345	5	108	3.12E+00	2.51E+00	6.86E-03	1.25E-03	3.61E-05
Idle at Building CIC - 2	**LHDT1**	0.781	5	17	1.11E+00	8.90E-01	2.44E-03	4.45E-04	1.28E-05
	LHDT2	0.823	5	38	2.60E+00	2.09E+00	5.72E-03	1.04E-03	3.00E-05
	MHDT	0.852	5	84	5.94E+00	4.77E+00	1.31E-02	2.39E-03	6.87E-05
	HHDT	0.345	5	76	2.18E+00	1.75E+00	4.80E-03	8.76E-04	2.52E-05
Idle at Building CIC - 3	**LHDT1**	0.781	5	2	1.26E-01	1.01E-01	2.77E-04	5.05E-05	1.45E-06
	LHDT2	0.823	5	4	2.94E-01	2.37E-01	6.48E-04	1.18E-04	3.41E-06
	MHDT	0.852	5	7	5.06E-01	4.07E-01	1.11E-03	2.03E-04	5.86E-06
	HHDT	0.345	5	23	6.67E-01	5.36E-01	1.47E-03	2.68E-04	7.72E-06
Idle at Building CIC - 4	**LHDT1**	0.781	5	4	2.60E-01	2.09E-01	5.73E-04	1.05E-04	3.01E-06
	LHDT2	0.823	5	9	6.10E-01	4.90E-01	1.34E-03	2.45E-04	7.06E-06
	MHDT	0.852	5	15	1.05E+00	8.43E-01	2.31E-03	4.22E-04	1.21E-05
	HHDT	0.345	5	48	1.38E+00	1.11E+00	3.05E-03	5.56E-04	1.60E-05
Idle at Building CIC - 5	**LHDT1**	0.781	5	2	1.24E-01	9.96E-02	2.73E-04	4.98E-05	1.43E-06
	LHDT2	0.823	5	4	2.90E-01	2.34E-01	6.40E-04	1.17E-04	3.36E-06
	MHDT	0.852	5	7	4.99E-01	4.01E-01	1.10E-03	2.01E-04	5.78E-06
	HHDT	0.345	5	23	6.58E-01	5.29E-01	1.45E-03	2.65E-04	7.62E-06
Idle at Building NON-CIC 1	**LHDT1**	0.781	5	4	2.57E-01	2.06E-01	5.65E-04	1.03E-04	2.97E-06
	LHDT2	0.823	5	9	6.01E-01	4.84E-01	1.32E-03	2.42E-04	6.96E-06
	MHDT	0.852	5	19	1.38E+00	1.11E+00	3.03E-03	5.53E-04	1.59E-05
	HHDT	0.345	5	18	5.05E-01	4.06E-01	1.11E-03	2.03E-04	5.85E-06
Idle at Building NON-CIC - 2	**LHDT1**	0.781	5	4	2.69E-01	2.16E-01	5.91E-04	1.08E-04	3.11E-06
	LHDT2	0.823	5	9	6.29E-01	5.06E-01	1.39E-03	2.53E-04	7.28E-06
	MHDT	0.852	5	20	1.44E+00	1.16E+00	3.17E-03	5.79E-04	1.67E-05
	HHDT	0.345	5	18	5.29E-01	4.25E-01	1.16E-03	2.12E-04	6.12E-06
Idle at Building Non-CIC -3	**LHDT1**	0.781	5	4	2.48E-01	2.00E-01	5.47E-04	9.98E-05	2.87E-06
	LHDT2	0.823	5	8	5.82E-01	4.68E-01	1.28E-03	2.34E-04	6.73E-06
	MHDT	0.852	5	19	1.33E+00	1.07E+00	2.93E-03	5.35E-04	1.54E-05
	HHDT	0.345	5	17	4.89E-01	3.93E-01	1.08E-03	1.96E-04	5.66E-06
Idle at Building Non- CIC - 4	**LHDT1**	0.781	5	4	2.70E-01	2.17E-01	5.94E-04	1.08E-04	3.12E-06
	LHDT2	0.823	5	9	6.32E-01	5.08E-01	1.39E-03	2.54E-04	7.31E-06
	MHDT	0.852	5	20	1.45E+00	1.16E+00	3.18E-03	5.81E-04	1.67E-05
	HHDT	0.345	5	18	5.31E-01	4.27E-01	1.17E-03	2.13E-04	6.14E-06
Idle at Building Non-CIC - 5	**LHDT1**	0.781	5	3	2.06E-01	1.66E-01	4.54E-04	8.29E-05	2.39E-06
	LHDT2	0.823	5	7	4.83E-01	3.89E-01	1.06E-03	1.94E-04	5.59E-06
	MHDT	0.852	5	16	1.11E+00	8.89E-01	2.43E-03	4.44E-04	1.28E-05
	HHDT	0.345	5	14	4.06E-01	3.26E-01	8.94E-04	1.63E-04	4.70E-06
Idle at Building Non- CIC - 6	**LHDT1**	0.781	5	2	1.22E-01	9.83E-02	2.69E-04	4.91E-05	1.41E-06
	LHDT2	0.823	5	4	2.86E-01	2.30E-01	6.31E-04	1.15E-04	3.32E-06
	MHDT	0.852	5	7	4.92E-01	3.96E-01	1.08E-03	1.98E-04	5.70E-06
	HHDT	0.345	5	23	6.49E-01	5.22E-01	1.43E-03	2.61E-04	7.51E-06
Idle at Building Non- CIC - 7	**LHDT1**	0.781	5	2	9.85E-02	7.92E-02	2.17E-04	3.96E-05	1.14E-06
	LHDT2	0.823	5	3	2.31E-01	1.86E-01	5.09E-04	9.28E-05	2.67E-06
	MHDT	0.852	5	6	3.97E-01	3.19E-01	8.75E-04	1.60E-04	4.60E-06
	HHDT	0.345	5	18	5.23E-01	4.21E-01	1.15E-03	2.10E-04	6.06E-06
Idle at Building Non- CIC - 8	**LHDT1**	0.781	5	2	9.95E-02	8.00E-02	2.19E-04	4.00E-05	1.15E-06
	LHDT2	0.823	5	3	2.33E-01	1.87E-01	5.13E-04	9.37E-05	2.70E-06
	MHDT	0.852	5	6	4.01E-01	3.22E-01	8.83E-04	1.61E-04	4.64E-06
	HHDT	0.345	5	18	5.28E-01	4.25E-01	1.16E-03	2.12E-04	6.12E-06
Idle at Non-CIC Building 9	**LHDT1**	0.781	5	2	1.33E-01	1.07E-01	2.94E-04	5.36E-05	1.54E-06
	LHDT2	0.823	5	5	3.12E-01	2.51E-01	6.88E-04	1.26E-04	3.62E-06
	MHDT	0.852	5	8	5.37E-01	4.32E-01	1.18E-03	2.16E-04	6.22E-06
	HHDT	0.345	5	25	7.08E-01	5.69E-01	1.56E-03	2.85E-04	8.20E-06
Idle at Non-CIC Building 10	**LHDT1**	0.781	5	1	6.06E-02	4.87E-02	1.33E-04	2.44E-05	7.01E-07
	LHDT2	0.823	5	2	1.42E-01	1.14E-01	3.13E-04	5.71E-05	1.64E-06
	MHDT	0.852	5	3	2.44E-01	1.96E-01	5.38E-04	9.81E-05	2.83E-06
	HHDT	0.345	5	11	3.22E-01	2.59E-01	7.09E-04	1.29E-04	3.73E-06
Idle at Non-CIC Building 11	**LHDT1**	0.781	5	1	9.14E-02	7.35E-02	2.01E-04	3.67E-05	1.06E-06
	LHDT2	0.823	5	3	2.14E-01	1.72E-01	4.72E-04	8.61E-05	2.48E-06
	MHDT	0.852	5	5	3.68E-01	2.96E-01	8.11E-04	1.48E-04	4.26E-06
	HHDT	0.345	5	17	4.85E-01	3.90E-01	1.07E-03	1.95E-04	5.62E-06
Idle at Non-CIC Building 12	**LHDT1**	0.781	5	2	1.17E-01	9.39E-02	2.57E-04	4.69E-05	1.35E-06
	LHDT2	0.823	5	4	2.74E-01	2.20E-01	6.03E-04	1.10E-04	3.17E-06
	MHDT	0.852	5	7	4.71E-01	3.78E-01	1.04E-03	1.89E-04	5.45E-06
	HHDT	0.345	5	22	6.20E-01	4.99E-01	1.37E-03	2.49E-04	7.18E-06
Idle at Non-CIC Building 13	**LHDT1**	0.781	5	2	1.22E-01	9.81E-02	2.69E-04	4.91E-05	1.41E-06
	LHDT2	0.823	5	4	2.86E-01	2.30E-01	6.30E-04	1.15E-04	3.31E-06
	MHDT	0.852	5	7	4.92E-01	3.95E-01	1.08E-03	1.98E-04	5.69E-06
	HHDT	0.345	5	23	6.48E-01	5.21E-01	1.43E-03	2.61E-04	7.50E-06
Idle at Non-CIC Building Auto Service	**LHDT1**	0.781	5	10	6.39E-01	5.14E-01	1.41E-03	2.57E-04	7.40E-06
	LHDT2	0.823	5	16	1.12E+00	9.03E-01	2.47E-03	4.52E-04	1.30E-05
	MHDT	0.852	5	17	1.18E+00	9.48E-01	2.60E-03	4.74E-04	1.37E-05
	HHDT	0.345	5	10	2.82E-01	2.27E-01	6.22E-04	1.13E-04	3.27E-06
Idle at Non-CIC Building Retail	**LHDT1**	0.781	5	9	6.02E-01	4.84E-01	1.33E-03	2.42E-04	6.97E-06
	LHDT2	0.823	5	15	1.06E+00	8.51E-01	2.33E-03	4.26E-04	1.23E-05
	MHDT	0.852	5	16	1.11E+00	8.94E-01	2.45E-03	4.47E-04	1.29E-05
	HHDT	0.345	5	9	2.66E-01	2.14E-01	5.86E-04	1.07E-04	3.08E-06
TOTAL Vehicles	**LHDT1**			100					
	LHDT2			213					
	MHDT			407					
	HHDT			539					
	Total			1259	**6.55E+01**	**5.26E+01**	**1.44E-01**	**2.63E-02**	**7.58E-04**

NOTES:
Onsite diesel truck travel emissions as per CARB EMFAC2007 for SJVAPCD, 15 mph in 2024
Onsite diesel truck Idle emissions as per CARB EMFAC2007 for SJVAPCD, 0 mph in 2024

Travel Emissions

	(LHDT1, LHDT2, MHDT, HHDT)				(LDA, LDT1, LDT2, MDT)				Grand Total				
Summary	Total Emissions (lb/yr)	Total Emissions (tons/year)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)	Total Emissions (lb/yr)	Total Emissions (tons/year)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)	Total Emissions (lb/yr)	Total Emissions (tons/year)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)	AERMOD Line Source
Building CIC - 1	5.14E+01	2.6E-02	1.41E-01	7.39E-04	3.60E-01	1.80E-04	9.87E-04	5.19E-06	5.17E+01	2.6E-02	1.42E-01	7.45E-04	LCIC1
Building CIC - 2	2.77E+01	1.4E-02	7.59E-02	3.99E-04	1.95E-01	9.73E-05	5.33E-04	2.80E-06	2.79E+01	1.4E-02	7.65E-02	4.02E-04	LCIC2
Building CIC - 3	2.89E+00	1.4E-03	7.90E-03	4.15E-05	2.00E-02	1.00E-05	5.48E-05	2.88E-07	2.91E+00	1.5E-03	7.96E-03	4.18E-05	LCIC3
Building CIC - 4	6.20E+00	3.1E-03	1.70E-02	8.92E-05	4.30E-02	2.15E-05	1.18E-04	6.18E-07	6.24E+00	3.1E-03	1.71E-02	8.98E-05	LCIC4
Building CIC - 5	2.07E+00	1.0E-03	5.67E-03	2.98E-05	1.44E-02	7.18E-06	3.93E-05	2.07E-07	2.08E+00	1.0E-03	5.71E-03	3.00E-05	LCIC5
Building Non-CIC 1	3.53E+00	1.8E-03	9.67E-03	5.08E-05	2.48E-02	1.24E-05	6.78E-05	3.57E-07	3.55E+00	1.8E-03	9.74E-03	5.12E-05	LNCIC1
Building Non-CIC 2	5.81E+00	2.9E-03	1.59E-02	8.36E-05	4.08E-02	2.04E-05	1.12E-04	5.87E-07	5.85E+00	2.9E-03	1.60E-02	8.42E-05	LNCIC2
Building Non-CIC 3	3.45E+00	1.7E-03	9.46E-03	4.97E-05	2.42E-02	1.21E-05	6.64E-05	3.49E-07	3.48E+00	1.7E-03	9.53E-03	5.01E-05	LNCIC3
Building Non-CIC 4	3.12E+00	1.6E-03	8.56E-03	4.50E-05	2.19E-02	1.10E-05	6.01E-05	3.16E-07	3.15E+00	1.6E-03	8.62E-03	4.53E-05	LNCIC4
Building Non-CIC 5	3.70E+00	1.8E-03	1.01E-02	5.32E-05	2.59E-02	1.30E-05	7.11E-05	3.73E-07	3.72E+00	1.9E-03	1.02E-02	5.36E-05	LNCIC5
Building Non-CIC 6	1.07E+00	5.4E-04	2.94E-03	1.54E-05	7.43E-03	3.72E-06	2.04E-05	1.07E-07	1.08E+00	5.4E-04	2.96E-03	1.55E-05	LNCIC6
Building Non-CIC 7	1.50E+00	7.5E-04	4.12E-03	2.16E-05	1.04E-02	5.21E-06	2.85E-05	1.50E-07	1.51E+00	7.6E-04	4.14E-03	2.18E-05	LNCIC7
Building Non-CIC 8	2.18E+00	1.1E-03	5.98E-03	3.14E-05	1.51E-02	7.56E-06	4.14E-05	2.18E-07	2.20E+00	1.1E-03	6.02E-03	3.16E-05	LNCIC8
Building Non-CIC 9	1.78E+00	8.9E-04	4.88E-03	2.57E-05	1.24E-02	6.18E-06	1.31E-02	1.78E-07	1.79E+00	9.0E-04	1.80E-02	2.58E-05	LNCIC9
Building Non-CIC 10	4.56E-01	2.3E-04	1.25E-03	6.56E-06	3.16E-03	1.58E-06	8.65E-06	4.55E-08	4.59E-01	2.3E-04	1.26E-03	6.60E-06	LNCIC10
Building Non-CIC 11	9.54E-01	4.8E-04	2.61E-03	1.37E-05	6.62E-03	3.31E-06	1.81E-05	9.52E-08	9.61E-01	4.8E-04	2.63E-03	1.38E-05	LNCIC11
Building Non-CIC 12	1.95E+00	9.8E-04	5.35E-03	2.81E-05	1.35E-02	6.76E-06	2.19E-02	1.95E-07	1.96E+00	9.8E-04	2.73E-02	2.83E-05	LNCIC12
Building Non-CIC 13	2.80E+00	1.4E-03	7.68E-03	4.04E-05	1.94E-02	9.72E-06	5.32E-05	2.80E-07	2.82E+00	1.4E-03	7.73E-03	4.06E-05	LNCIC13
Building Non-CIC 14 (Auto Parts)	3.54E+00	1.8E-03	9.70E-03	5.10E-05	1.78E-01	8.90E-05	4.88E-04	2.56E-06	3.72E+00	1.9E-03	1.02E-02	5.35E-05	LNCIC14
Retail	1.22E+00	6.1E-04	3.34E-03	1.76E-05	7.51E-01	3.75E-04	2.06E-03	1.08E-05	1.97E+00	9.9E-04	5.40E-03	2.84E-05	LRETAIL
TOTAL	**1.27E+02**	**6.37E-02**	**3.49E-01**	**1.83E-03**	**1.79E+00**	**8.93E-04**	**3.99E-02**	**2.57E-05**	**1.29E+02**	**6.45E-02**	**3.89E-01**	**1.86E-03**	

Idling Emissions

Summary	#Loading Dock Stations	Total Emission (lb/yr)	Total Emission (tons/yr)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)	Annual Average Emissions per Loading Dock Station (g/sec)	AERMOD Idle Source
Building CIC - 1	4	1.36E+01	6.79E-03	3.72E-02	1.96E-04	4.89E-05	ICIC1_1 to ICIC1_4
Building CIC - 2	4	9.50E+00	4.75E-03	2.60E-02	1.37E-04	3.42E-05	ICIC2_1 to ICIC2_4
Building CIC - 3	3	1.28E+00	6.40E-04	3.51E-03	1.84E-05	6.15E-06	ICIC3_1 to ICIC3_3
Building CIC - 4	3	2.65E+00	1.33E-03	7.27E-03	3.82E-05	1.27E-05	ICIC4_1 to ICIC4_3
Building CIC - 5	3	1.26E+00	6.32E-04	3.46E-03	1.82E-05	6.06E-06	ICIC5_1 to ICIC5_3
Building Non CIC - 1	2	2.20E+00	1.10E-03	6.03E-03	3.17E-05	1.59E-05	INCIC1_1 to INCIC1_2
Building Non CIC - 2	2	2.30E+00	1.15E-03	6.31E-03	3.32E-05	1.66E-05	INCIC2_1 to INCIC2_2
Building Non CIC - 3	2	2.13E+00	1.07E-03	5.84E-03	3.07E-05	1.53E-05	INCIC3_1 to INCIC3_2
Building Non CIC - 4	2	2.31E+00	1.16E-03	6.34E-03	3.33E-05	1.67E-05	INCIC4_1 to INCIC4_2
Building Non CIC - 5	2	1.77E+00	8.85E-04	4.85E-03	2.55E-05	1.27E-05	INCIC5_1 to INCIC5_2
Building Non CIC - 6	1	1.25E+00	6.23E-04	3.41E-03	1.79E-05	1.79E-05	INCIC6
Building Non CIC - 7	1	1.00E+00	5.02E-04	2.75E-03	1.45E-05	1.45E-05	INCIC7
Building Non CIC - 8	1	1.01E+00	5.07E-04	2.78E-03	1.46E-05	1.46E-05	INCIC8
Building Non CIC - 9	1	1.36E+00	6.80E-04	3.72E-03	1.96E-05	1.96E-05	INCIC9
Building Non CIC - 10	1	6.18E-01	3.09E-04	1.69E-03	8.90E-06	8.90E-06	INCIC10
Building Non CIC - 11	1	9.32E-01	4.66E-04	2.55E-03	1.34E-05	1.34E-05	INCIC11
Building Non CIC - 12	1	1.19E+00	5.95E-04	3.26E-03	1.71E-05	1.71E-05	INCIC12
Building Non CIC - 13	1	1.24E+00	6.22E-04	3.41E-03	1.79E-05	1.79E-05	INCIC13
Building Non-CIC - 14 (Auto Parts)	1	2.59E+00	1.30E-03	7.10E-03	3.73E-05	3.73E-05	INCIC14
Retail	1	2.44E+00	1.22E-03	6.70E-03	3.52E-05	3.52E-05	IRETAIL
TOTAL		**5.26E+01**	**2.63E-02**	**1.44E-01**	**7.58E-04**		

Grand Totals (Travel + Idling)	Total Emissions (lb/yr)	Total Emission (tons/yr)	Total Daily Emissions (lbs/day)	Annual Average Emissions (g/sec)
Building CIC - 1	6.53E+01	3.27E-02	1.79E-01	9.40E-04
Building CIC - 2	3.74E+01	1.87E-02	1.03E-01	5.39E-04
Building CIC - 3	4.19E+00	2.09E-03	1.15E-02	6.03E-05
Building CIC - 4	8.89E+00	4.45E-03	2.44E-02	1.28E-04
Building CIC - 5	3.35E+00	1.67E-03	9.17E-03	4.82E-05
Building Non CIC - 1	5.76E+00	2.88E-03	1.58E-02	8.29E-05
Building Non CIC - 2	8.15E+00	4.08E-03	2.23E-02	1.17E-04
Building Non CIC - 3	5.61E+00	2.80E-03	1.54E-02	8.07E-05
Building Non CIC - 4	5.46E+00	2.73E-03	1.50E-02	7.86E-05
Building Non CIC - 5	5.49E+00	2.75E-03	1.50E-02	7.91E-05
Building Non CIC - 6	2.33E+00	1.16E-03	6.37E-03	3.35E-05
Building Non CIC - 7	2.52E+00	1.26E-03	6.90E-03	3.62E-05
Building Non CIC - 8	3.21E+00	1.61E-03	8.80E-03	4.62E-05
Building Non CIC - 9	3.15E+00	1.58E-03	2.17E-02	4.54E-05
Building Non CIC - 10	1.08E+00	5.38E-04	2.95E-03	1.55E-05
Building Non CIC - 11	1.89E+00	9.46E-04	5.19E-03	2.72E-05
Building Non CIC - 12	3.16E+00	1.58E-03	3.05E-02	4.54E-05
Building Non CIC - 13	4.07E+00	2.03E-03	1.11E-02	5.86E-05
Building Non-CIC - 14 (Auto Parts)	6.31E+00	3.15E-03	1.73E-02	9.08E-05
Retail	4.41E+00	2.21E-03	1.21E-02	6.35E-05
Total	**1.82E+02**	**9.09E-02**	**5.33E-01**	**2.62E-03**

Title : SJVAPCD - Northwest Airport Master Plan for 2018 and 2030
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2010/07/21 11:21:22
Scen Year: 2024 -- All model years in the range 1980 to 2024 selected
Season : Annual
Area : San Joaquin Valley

****

Year: 2024 -- Model Years 1980 to 2024 Inclusive -- Annual
Emfac2007 Emission Factors: V2.3 Nov 1 2006

San Joaquin Valley Basin Average Basin Average

Table 1: Running Exhaust Emissions (grams/mile; grams/idle-hour)

Pollutant Name: PM10 Temperature: 65F Relative Humidity: 60%

Speed MPH	LDA NCAT	LDA CAT	LDA DSL	LDA ALL	LDT1 NCAT	LDT1 CAT	LDT1 DSL	LDT1 ALL	LDT2 NCAT	LDT2 CAT	LDT2 DSL	LDT2 ALL	MDV NCAT	MDV CAT	MDV DSL	MDV ALL	LHD1 NCAT	LHD1 CAT	LHD1 DSL	LHD1 ALL	LHD2 NCAT	LHD2 CAT	LHD2 DSL	LHD2 ALL	MHD NCAT	MHD CAT	MHD DSL	MHD ALL	HHD NCAT	HHD CAT	HHD DSL	HHD ALL
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.781	0.165	0	0	0.823	0.365	0	0	0.852	0.704	0	0	0.345	0.341
5	0	0.057	0.166	0.057	0.074	0.063	0.127	0.064	0.115	0.141	0.172	0.141	0.12	0.147	0.112	0.147	0	0.046	0.077	0.053	0	0.042	0.071	0.055	0	0.056	0.408	0.347	0	0.092	0.222	0.221
10	0	0.037	0.131	0.037	0.053	0.041	0.099	0.042	0.082	0.092	0.135	0.092	0.085	0.095	0.088	0.095	0	0.03	0.061	0.037	0	0.028	0.056	0.04	0	0.037	0.32	0.271	0	0.061	0.173	0.172
15	0	0.025	0.105	0.025	0.039	0.028	0.08	0.029	0.061	0.063	0.108	0.063	0.064	0.065	0.07	0.065	0	0.021	0.049	0.027	0	0.019	0.045	0.03	0	0.025	0.257	0.217	0	0.041	0.135	0.134
20	0	0.018	0.086	0.018	0.031	0.02	0.065	0.021	0.048	0.045	0.089	0.045	0.05	0.047	0.058	0.047	0	0.015	0.04	0.02	0	0.013	0.037	0.024	0	0.018	0.211	0.177	0	0.029	0.112	0.111
25	0	0.014	0.072	0.014	0.025	0.015	0.055	0.016	0.039	0.034	0.075	0.034	0.04	0.036	0.048	0.036	0	0.011	0.033	0.016	0	0.01	0.031	0.019	0	0.013	0.177	0.148	0	0.022	0.103	0.102
30	0	0.011	0.062	0.011	0.021	0.012	0.047	0.013	0.033	0.028	0.064	0.028	0.035	0.029	0.042	0.029	0	0.008	0.029	0.013	0	0.008	0.026	0.016	0	0.01	0.152	0.127	0	0.017	0.1	0.099
35	0	0.009	0.054	0.009	0.019	0.01	0.041	0.011	0.03	0.023	0.056	0.023	0.031	0.024	0.036	0.024	0	0.007	0.025	0.011	0	0.006	0.023	0.014	0	0.008	0.133	0.111	0	0.014	0.101	0.1

Northwest Airport Way Master Plan

Rail Emissions associated with CIC Portion DPM Emissions

Year: 2024
Locomotive Class: Switcher
Number of Locomotives: 1
Locomotive Schedule: 2 days per week
3 hours per day
6 hours per week
312 hours per year

DPM Emission Factor

Emission factors were derived from projections made by the USEPA for large switcher engines as fleet averages in 2024

DPM: 3.5 g/gal
Conversion 15.2 bhp-hr/gal

DPM Emission Factor: 0.230 g/bhp-hr

Notch Setting assumed to be Notch 2 on average while operating within the yard

Information derived from the Port of Long Beach Emission Inventory indicates that the horsepower at Notch Setting 2 is: 249 horsepower

Therefore, the emission rate while operating in Notch Setting 2 = 57.33553 grams/hour

Total annual emissions are: 17888.68 grams per year or 0.019701 tons/year

Average emission rate: 0.000567 grams/sec

Reference: USEPA, 2009. Emission Factors for Locomotives. EPA-420-F-09-025
Starcrest 2009. Port of Long Beach 2007 Air Emission Inventory

Appendix B:
Health Risk Assessment Model Output

```
 *** AERMOD - VERSION 09292 ***    *** CenterPoint Intermodal Center - 2014                                  ***        07/22/10
                                  *** Period Average DPM Concnetrations                                     ***       16:21:25
                                                                                                                      PAGE   1
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                        FASTALL                     NODRYDPLT NOWETDPLT

                                          ***     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   578 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =     62651.0 ;  Urban Roughness Length =  1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Assumes Receptors on FLAT Terrain.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates PERIOD Averages Only

**This Run Includes:    693 Source(s);       1 Source Group(s); and     487 Receptor(s)

**The Model Assumes A Pollutant Type of:  DPM

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

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     8.00 ;  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 =      4.8 MB of RAM.

 *** AERMOD - VERSION 09292 ***    *** CenterPoint Intermodal Center - 2014                                  ***        07/22/10
                                  *** Period Average DPM Concnetrations                                     ***       16:21:25
                                                                                                                      PAGE   2
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                        FASTALL                     NODRYDPLT NOWETDPLT


                                                  *** POINT SOURCE DATA ***

            NUMBER EMISSION RATE                    BASE     STACK   STACK    STACK     STACK    BLDG   URBAN  CAP/  EMIS RATE
   SOURCE    PART.  (GRAMS/SEC)     X         Y      ELEV.    HEIGHT  TEMP.   EXIT VEL. DIAMETER  EXISTS SOURCE HOR   SCALAR
     ID      CATS.                (METERS) (METERS) (METERS) (METERS) (DEG.K)  (M/SEC)  (METERS)                        VARY BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  ICIC1_1      0   0.78000E-04  653179.9 4190633.8     8.0     3.66   366.48    51.70     0.10    YES     YES   NO
  ICIC1_2      0   0.78000E-04  653170.2 4190811.7     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC1_3      0   0.78000E-04  653163.8 4190973.4     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC1_4      0   0.78000E-04  653154.0 4191125.5     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC2_1      0   0.54600E-04  653199.3 4190041.8     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC2_2      0   0.54600E-04  653189.6 4190180.9     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC2_3      0   0.54600E-04  653183.2 4190323.2     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC2_4      0   0.54600E-04  653179.9 4190436.5     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC3_1      0   0.13400E-04  653277.0 4189288.1     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC3_2      0   0.13400E-04  653270.5 4189381.9     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC3_3      0   0.13400E-04  653273.7 4189475.7     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC4_1      0   0.27700E-04  653451.7 4188395.3     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC4_2      0   0.27700E-04  653445.2 4188476.1     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC4_3      0   0.27700E-04  653441.9 4188566.7     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC5_1      0   0.13200E-04  653260.8 4188372.6     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC5_2      0   0.13200E-04  653254.3 4188447.0     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC5_3      0   0.13200E-04  653254.3 4188540.8     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
 *** AERMOD - VERSION 09292 ***    *** CenterPoint Intermodal Center - 2014                                  ***        07/22/10
                                  *** Period Average DPM Concnetrations                                     ***       16:21:25
                                                                                                                      PAGE   3
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                        FASTALL                     NODRYDPLT NOWETDPLT


                                                  *** VOLUME SOURCE DATA ***

            NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.   URBAN  EMISSION RATE
   SOURCE    PART.  (GRAMS/SEC)     X         Y      ELEV.   HEIGHT      SY       SZ     SOURCE  SCALAR VARY
     ID      CATS.                (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)             BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  L0008885     0   0.13333E-04  653485.4 4190517.2     8.0     1.83     3.34     0.40     YES
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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008886	0	0.13333E-04	653478.2	4190516.9	8.0	1.83	3.34	0.40	YES	
L0008887	0	0.13333E-04	653471.1	4190516.6	8.0	1.83	3.34	0.40	YES	
L0008888	0	0.13333E-04	653463.9	4190516.3	8.0	1.83	3.34	0.40	YES	
L0008889	0	0.13333E-04	653456.7	4190516.1	8.0	1.83	3.34	0.40	YES	
L0008890	0	0.13333E-04	653449.5	4190515.8	8.0	1.83	3.34	0.40	YES	
L0008891	0	0.13333E-04	653442.3	4190515.5	8.0	1.83	3.34	0.40	YES	
L0008892	0	0.13333E-04	653435.2	4190515.2	8.0	1.83	3.34	0.40	YES	
L0008893	0	0.13333E-04	653428.0	4190514.9	8.0	1.83	3.34	0.40	YES	
L0008894	0	0.13333E-04	653420.8	4190514.7	8.0	1.83	3.34	0.40	YES	
L0008895	0	0.13333E-04	653413.6	4190514.4	8.0	1.83	3.34	0.40	YES	
L0008896	0	0.13333E-04	653406.4	4190514.1	8.0	1.83	3.34	0.40	YES	
L0008897	0	0.13333E-04	653399.3	4190513.8	8.0	1.83	3.34	0.40	YES	
L0008898	0	0.13333E-04	653392.1	4190513.5	8.0	1.83	3.34	0.40	YES	
L0008899	0	0.13333E-04	653384.9	4190513.3	8.0	1.83	3.34	0.40	YES	
L0008900	0	0.13333E-04	653377.7	4190513.0	8.0	1.83	3.34	0.40	YES	
L0008901	0	0.13333E-04	653370.5	4190512.7	8.0	1.83	3.34	0.40	YES	
L0008902	0	0.13333E-04	653363.4	4190512.4	8.0	1.83	3.34	0.40	YES	
L0008903	0	0.13333E-04	653356.2	4190512.1	8.0	1.83	3.34	0.40	YES	
L0008904	0	0.13333E-04	653349.0	4190511.9	8.0	1.83	3.34	0.40	YES	
L0008905	0	0.13333E-04	653341.8	4190511.6	8.0	1.83	3.34	0.40	YES	
L0008906	0	0.13333E-04	653334.6	4190511.3	8.0	1.83	3.34	0.40	YES	
L0008907	0	0.13333E-04	653327.5	4190511.0	8.0	1.83	3.34	0.40	YES	
L0008908	0	0.13333E-04	653320.3	4190510.7	8.0	1.83	3.34	0.40	YES	
L0008909	0	0.13333E-04	653313.1	4190510.5	8.0	1.83	3.34	0.40	YES	
L0008910	0	0.13333E-04	653305.9	4190510.2	8.0	1.83	3.34	0.40	YES	
L0008911	0	0.13333E-04	653298.7	4190509.9	8.0	1.83	3.34	0.40	YES	
L0008912	0	0.13333E-04	653291.6	4190509.6	8.0	1.83	3.34	0.40	YES	
L0008913	0	0.13333E-04	653284.4	4190509.3	8.0	1.83	3.34	0.40	YES	
L0008914	0	0.13333E-04	653277.2	4190509.1	8.0	1.83	3.34	0.40	YES	
L0008915	0	0.13333E-04	653270.0	4190508.8	8.0	1.83	3.34	0.40	YES	
L0008916	0	0.13333E-04	653262.8	4190508.5	8.0	1.83	3.34	0.40	YES	
L0008917	0	0.13333E-04	653255.7	4190508.2	8.0	1.83	3.34	0.40	YES	
L0008918	0	0.13333E-04	653248.5	4190507.9	8.0	1.83	3.34	0.40	YES	
L0008919	0	0.13333E-04	653241.3	4190507.7	8.0	1.83	3.34	0.40	YES	
L0008920	0	0.13333E-04	653234.1	4190507.4	8.0	1.83	3.34	0.40	YES	
L0008921	0	0.13333E-04	653226.9	4190507.1	8.0	1.83	3.34	0.40	YES	
L0008922	0	0.13333E-04	653219.8	4190506.8	8.0	1.83	3.34	0.40	YES	
L0008923	0	0.13333E-04	653212.6	4190506.5	8.0	1.83	3.34	0.40	YES	
L0008924	0	0.13333E-04	653205.4	4190506.3	8.0	1.83	3.34	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008925	0	0.13333E-04	653198.2	4190506.0	8.0	1.83	3.34	0.40	YES	
L0008926	0	0.13333E-04	653191.0	4190505.7	8.0	1.83	3.34	0.40	YES	
L0008927	0	0.13333E-04	653183.9	4190505.4	8.0	1.83	3.34	0.40	YES	
L0008928	0	0.13333E-04	653176.7	4190505.1	8.0	1.83	3.34	0.40	YES	
L0008929	0	0.13333E-04	653169.5	4190504.9	8.0	1.83	3.34	0.40	YES	
L0008930	0	0.13333E-04	653162.3	4190504.6	8.0	1.83	3.34	0.40	YES	
L0008931	0	0.13333E-04	653160.4	4190510.0	8.0	1.83	3.39	0.40	YES	
L0008932	0	0.13333E-04	653160.2	4190517.3	8.0	1.83	3.39	0.40	YES	
L0008933	0	0.13333E-04	653160.0	4190524.6	8.0	1.83	3.39	0.40	YES	
L0008934	0	0.13333E-04	653159.8	4190531.8	8.0	1.83	3.39	0.40	YES	
L0008935	0	0.13333E-04	653159.6	4190539.1	8.0	1.83	3.39	0.40	YES	
L0008936	0	0.13333E-04	653159.4	4190546.4	8.0	1.83	3.39	0.40	YES	
L0008937	0	0.13333E-04	653159.2	4190553.7	8.0	1.83	3.39	0.40	YES	
L0008938	0	0.13333E-04	653159.0	4190561.0	8.0	1.83	3.39	0.40	YES	
L0008939	0	0.13333E-04	653158.8	4190568.3	8.0	1.83	3.39	0.40	YES	
L0008940	0	0.13333E-04	653158.6	4190575.6	8.0	1.83	3.39	0.40	YES	
L0008941	0	0.13333E-04	653158.4	4190582.9	8.0	1.83	3.39	0.40	YES	
L0008942	0	0.13333E-04	653158.2	4190590.2	8.0	1.83	3.39	0.40	YES	
L0008943	0	0.13333E-04	653158.0	4190597.5	8.0	1.83	3.39	0.40	YES	
L0008944	0	0.13333E-04	653157.8	4190604.8	8.0	1.83	3.39	0.40	YES	
L0008945	0	0.13333E-04	653157.6	4190612.1	8.0	1.83	3.39	0.40	YES	
L0008946	0	0.13333E-04	653157.4	4190619.4	8.0	1.83	3.39	0.40	YES	
L0008947	0	0.13333E-04	653157.2	4190626.7	8.0	1.83	3.39	0.40	YES	
L0008948	0	0.13333E-04	653157.0	4190634.0	8.0	1.83	3.39	0.40	YES	
L0008949	0	0.13333E-04	653156.8	4190641.2	8.0	1.83	3.39	0.40	YES	
L0008950	0	0.13333E-04	653156.6	4190648.5	8.0	1.83	3.39	0.40	YES	
L0008951	0	0.13333E-04	653156.4	4190655.8	8.0	1.83	3.39	0.40	YES	
L0008952	0	0.13333E-04	653156.2	4190663.1	8.0	1.83	3.39	0.40	YES	
L0008953	0	0.13333E-04	653156.0	4190670.4	8.0	1.83	3.39	0.40	YES	
L0008954	0	0.13333E-04	653155.8	4190677.7	8.0	1.83	3.39	0.40	YES	
L0008955	0	0.13333E-04	653155.6	4190685.0	8.0	1.83	3.39	0.40	YES	
L0008956	0	0.13333E-04	653155.4	4190692.3	8.0	1.83	3.39	0.40	YES	
L0008957	0	0.13333E-04	653155.2	4190699.6	8.0	1.83	3.39	0.40	YES	
L0008958	0	0.13333E-04	653155.0	4190706.9	8.0	1.83	3.39	0.40	YES	
L0008959	0	0.13333E-04	653154.8	4190714.2	8.0	1.83	3.39	0.40	YES	
L0008960	0	0.13333E-04	653154.6	4190721.5	8.0	1.83	3.39	0.40	YES	
L0008961	0	0.13333E-04	653154.4	4190728.8	8.0	1.83	3.39	0.40	YES	
L0008962	0	0.13333E-04	653154.2	4190736.1	8.0	1.83	3.39	0.40	YES	
L0008963	0	0.13333E-04	653154.0	4190743.4	8.0	1.83	3.39	0.40	YES	
L0008964	0	0.13333E-04	653153.8	4190750.6	8.0	1.83	3.39	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0008965	0	0.13333E-04	653153.6	4190757.9	8.0	1.83	3.39	0.40	YES
L0008966	0	0.13333E-04	653153.4	4190765.2	8.0	1.83	3.39	0.40	YES
L0008967	0	0.13333E-04	653153.2	4190772.5	8.0	1.83	3.39	0.40	YES
L0008968	0	0.13333E-04	653153.0	4190779.8	8.0	1.83	3.39	0.40	YES
L0008969	0	0.13333E-04	653152.8	4190787.1	8.0	1.83	3.39	0.40	YES
L0008970	0	0.13333E-04	653152.6	4190794.4	8.0	1.83	3.39	0.40	YES
L0008971	0	0.13333E-04	653152.4	4190801.7	8.0	1.83	3.39	0.40	YES
L0008972	0	0.13333E-04	653152.2	4190809.0	8.0	1.83	3.39	0.40	YES
L0008973	0	0.13333E-04	653152.0	4190816.3	8.0	1.83	3.39	0.40	YES
L0008974	0	0.13333E-04	653151.9	4190823.6	8.0	1.83	3.39	0.40	YES
L0008975	0	0.13333E-04	653151.7	4190830.9	8.0	1.83	3.39	0.40	YES
L0008976	0	0.13333E-04	653151.5	4190838.2	8.0	1.83	3.39	0.40	YES
L0008977	0	0.13333E-04	653151.3	4190845.5	8.0	1.83	3.39	0.40	YES
L0008978	0	0.13333E-04	653151.1	4190852.8	8.0	1.83	3.39	0.40	YES
L0008979	0	0.13333E-04	653150.9	4190860.0	8.0	1.83	3.39	0.40	YES
L0008980	0	0.13333E-04	653150.7	4190867.3	8.0	1.83	3.39	0.40	YES
L0008981	0	0.13333E-04	653150.5	4190874.6	8.0	1.83	3.39	0.40	YES
L0008982	0	0.13333E-04	653150.3	4190881.9	8.0	1.83	3.39	0.40	YES
L0008983	0	0.13333E-04	653150.1	4190889.2	8.0	1.83	3.39	0.40	YES
L0008984	0	0.13333E-04	653149.9	4190896.5	8.0	1.83	3.39	0.40	YES
L0008985	0	0.13333E-04	653149.7	4190903.8	8.0	1.83	3.39	0.40	YES
L0008986	0	0.13333E-04	653149.5	4190911.1	8.0	1.83	3.39	0.40	YES
L0008987	0	0.13333E-04	653149.3	4190918.4	8.0	1.83	3.39	0.40	YES
L0008988	0	0.13333E-04	653149.1	4190925.7	8.0	1.83	3.39	0.40	YES
L0008989	0	0.13333E-04	653148.9	4190933.0	8.0	1.83	3.39	0.40	YES
L0008990	0	0.13333E-04	653148.7	4190940.3	8.0	1.83	3.39	0.40	YES
L0008991	0	0.13333E-04	653148.5	4190947.6	8.0	1.83	3.39	0.40	YES
L0008992	0	0.13333E-04	653148.3	4190954.9	8.0	1.83	3.39	0.40	YES
L0008993	0	0.13333E-04	653148.1	4190962.2	8.0	1.83	3.39	0.40	YES
L0008994	0	0.13333E-04	653147.9	4190969.4	8.0	1.83	3.39	0.40	YES
L0008995	0	0.13333E-04	653147.7	4190976.7	8.0	1.83	3.39	0.40	YES
L0008996	0	0.13333E-04	653147.5	4190984.0	8.0	1.83	3.39	0.40	YES
L0008997	0	0.13333E-04	653147.3	4190991.3	8.0	1.83	3.39	0.40	YES
L0008998	0	0.13333E-04	653147.1	4190998.6	8.0	1.83	3.39	0.40	YES
L0008999	0	0.13333E-04	653146.9	4191005.9	8.0	1.83	3.39	0.40	YES
L0009000	0	0.13333E-04	653146.7	4191013.2	8.0	1.83	3.39	0.40	YES
L0009001	0	0.13333E-04	653146.5	4191020.5	8.0	1.83	3.39	0.40	YES
L0009002	0	0.13333E-04	653146.3	4191027.8	8.0	1.83	3.39	0.40	YES
L0009003	0	0.13333E-04	653146.1	4191035.1	8.0	1.83	3.39	0.40	YES
L0009004	0	0.13333E-04	653145.9	4191042.4	8.0	1.83	3.39	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009005	0	0.13333E-04	653145.7	4191049.7	8.0	1.83	3.39	0.40	YES	
L0009006	0	0.13333E-04	653145.5	4191057.0	8.0	1.83	3.39	0.40	YES	
L0009007	0	0.13333E-04	653145.3	4191064.3	8.0	1.83	3.39	0.40	YES	
L0009008	0	0.13333E-04	653145.1	4191071.6	8.0	1.83	3.39	0.40	YES	
L0009009	0	0.13333E-04	653144.9	4191078.8	8.0	1.83	3.39	0.40	YES	
L0009010	0	0.13333E-04	653144.7	4191086.1	8.0	1.83	3.39	0.40	YES	
L0009011	0	0.13333E-04	653144.5	4191093.4	8.0	1.83	3.39	0.40	YES	
L0009012	0	0.13333E-04	653144.3	4191100.7	8.0	1.83	3.39	0.40	YES	
L0009013	0	0.13333E-04	653144.1	4191108.0	8.0	1.83	3.39	0.40	YES	
L0009014	0	0.13333E-04	653143.9	4191115.3	8.0	1.83	3.39	0.40	YES	
L0009015	0	0.13333E-04	653143.7	4191122.6	8.0	1.83	3.39	0.40	YES	
L0009016	0	0.13333E-04	653143.5	4191129.9	8.0	1.83	3.39	0.40	YES	
L0009017	0	0.13333E-04	653143.3	4191137.2	8.0	1.83	3.39	0.40	YES	
L0009018	0	0.13333E-04	653143.2	4191144.5	8.0	1.83	3.39	0.40	YES	
L0009019	0	0.13333E-04	653143.0	4191151.8	8.0	1.83	3.39	0.40	YES	
L0009020	0	0.13333E-04	653142.8	4191159.1	8.0	1.83	3.39	0.40	YES	
L0009021	0	0.13333E-04	653142.6	4191166.4	8.0	1.83	3.39	0.40	YES	
L0009022	0	0.13333E-04	653142.4	4191173.7	8.0	1.83	3.39	0.40	YES	
L0009023	0	0.13333E-04	653142.2	4191181.0	8.0	1.83	3.39	0.40	YES	
L0009024	0	0.13333E-04	653142.0	4191188.2	8.0	1.83	3.39	0.40	YES	
L0009025	0	0.13333E-04	653141.8	4191195.5	8.0	1.83	3.39	0.40	YES	
L0009026	0	0.13333E-04	653141.6	4191202.8	8.0	1.83	3.39	0.40	YES	
L0009027	0	0.13333E-04	653141.4	4191210.1	8.0	1.83	3.39	0.40	YES	
L0009028	0	0.13333E-04	653141.2	4191217.4	8.0	1.83	3.39	0.40	YES	
L0009029	0	0.19605E-05	653553.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009030	0	0.19605E-05	653546.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009031	0	0.19605E-05	653538.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009032	0	0.19605E-05	653531.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009033	0	0.19605E-05	653524.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009034	0	0.19605E-05	653517.3	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009035	0	0.19605E-05	653510.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009036	0	0.19605E-05	653502.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009037	0	0.19605E-05	653495.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009038	0	0.19605E-05	653488.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009039	0	0.19605E-05	653481.3	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009040	0	0.19605E-05	653474.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009041	0	0.19605E-05	653466.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009042	0	0.19605E-05	653459.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009043	0	0.19605E-05	653452.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009044	0	0.19605E-05	653445.3	4189223.5	8.0	1.83	3.35	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009045	0	0.19605E-05	653438.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009046	0	0.19605E-05	653430.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009047	0	0.19605E-05	653423.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009048	0	0.19605E-05	653416.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009049	0	0.19605E-05	653409.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009050	0	0.19605E-05	653402.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009051	0	0.19605E-05	653394.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009052	0	0.19605E-05	653387.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009053	0	0.19605E-05	653380.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009054	0	0.19605E-05	653373.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009055	0	0.19605E-05	653366.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009056	0	0.19605E-05	653358.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009057	0	0.19605E-05	653351.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009058	0	0.19605E-05	653344.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009059	0	0.19605E-05	653337.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009060	0	0.19605E-05	653330.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009061	0	0.19605E-05	653322.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009062	0	0.19605E-05	653315.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009063	0	0.19605E-05	653308.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009064	0	0.19605E-05	653301.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009065	0	0.19605E-05	653294.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0009066	0	0.19605E-05	653291.9	4189228.9	8.0	1.83	3.36	0.40	YES	
L0009067	0	0.19605E-05	653291.6	4189236.1	8.0	1.83	3.36	0.40	YES	
L0009068	0	0.19605E-05	653291.3	4189243.3	8.0	1.83	3.36	0.40	YES	
L0009069	0	0.19605E-05	653291.0	4189250.5	8.0	1.83	3.36	0.40	YES	
L0009070	0	0.19605E-05	653290.7	4189257.8	8.0	1.83	3.36	0.40	YES	
L0009071	0	0.19605E-05	653290.4	4189265.0	8.0	1.83	3.36	0.40	YES	
L0009072	0	0.19605E-05	653290.1	4189272.2	8.0	1.83	3.36	0.40	YES	
L0009073	0	0.19605E-05	653289.8	4189279.4	8.0	1.83	3.36	0.40	YES	
L0009074	0	0.19605E-05	653289.4	4189286.6	8.0	1.83	3.36	0.40	YES	
L0009075	0	0.19605E-05	653289.1	4189293.9	8.0	1.83	3.36	0.40	YES	
L0009076	0	0.19605E-05	653288.8	4189301.1	8.0	1.83	3.36	0.40	YES	
L0009077	0	0.19605E-05	653288.5	4189308.3	8.0	1.83	3.36	0.40	YES	
L0009078	0	0.19605E-05	653288.2	4189315.5	8.0	1.83	3.36	0.40	YES	
L0009079	0	0.19605E-05	653287.9	4189322.7	8.0	1.83	3.36	0.40	YES	
L0009080	0	0.19605E-05	653287.6	4189329.9	8.0	1.83	3.36	0.40	YES	
L0009081	0	0.19605E-05	653287.3	4189337.2	8.0	1.83	3.36	0.40	YES	
L0009082	0	0.19605E-05	653287.0	4189344.4	8.0	1.83	3.36	0.40	YES	
L0009083	0	0.19605E-05	653286.7	4189351.6	8.0	1.83	3.36	0.40	YES	
L0009084	0	0.19605E-05	653286.4	4189358.8	8.0	1.83	3.36	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009085	0	0.19605E-05	653286.1	4189366.0	8.0	1.83	3.36	0.40	YES	
L0009086	0	0.19605E-05	653285.8	4189373.2	8.0	1.83	3.36	0.40	YES	
L0009087	0	0.19605E-05	653285.5	4189380.5	8.0	1.83	3.36	0.40	YES	
L0009088	0	0.19605E-05	653285.2	4189387.7	8.0	1.83	3.36	0.40	YES	
L0009089	0	0.19605E-05	653284.9	4189394.9	8.0	1.83	3.36	0.40	YES	
L0009090	0	0.19605E-05	653284.6	4189402.1	8.0	1.83	3.36	0.40	YES	
L0009091	0	0.19605E-05	653284.2	4189409.3	8.0	1.83	3.36	0.40	YES	
L0009092	0	0.19605E-05	653283.9	4189416.6	8.0	1.83	3.36	0.40	YES	
L0009093	0	0.19605E-05	653283.6	4189423.8	8.0	1.83	3.36	0.40	YES	
L0009094	0	0.19605E-05	653283.3	4189431.0	8.0	1.83	3.36	0.40	YES	
L0009095	0	0.19605E-05	653283.0	4189438.2	8.0	1.83	3.36	0.40	YES	
L0009096	0	0.19605E-05	653282.7	4189445.4	8.0	1.83	3.36	0.40	YES	
L0009097	0	0.19605E-05	653282.4	4189452.6	8.0	1.83	3.36	0.40	YES	
L0009098	0	0.19605E-05	653282.1	4189459.9	8.0	1.83	3.36	0.40	YES	
L0009099	0	0.19605E-05	653281.8	4189467.1	8.0	1.83	3.36	0.40	YES	
L0009100	0	0.19605E-05	653281.5	4189474.3	8.0	1.83	3.36	0.40	YES	
L0009101	0	0.19605E-05	653281.2	4189481.5	8.0	1.83	3.36	0.40	YES	
L0009102	0	0.19605E-05	653280.9	4189488.7	8.0	1.83	3.36	0.40	YES	
L0009103	0	0.19605E-05	653280.6	4189496.0	8.0	1.83	3.36	0.40	YES	
L0009104	0	0.19605E-05	653280.3	4189503.2	8.0	1.83	3.36	0.40	YES	
L0009105	0	0.59074E-05	653588.9	4188314.5	8.0	1.83	3.25	0.40	YES	
L0009106	0	0.59074E-05	653581.9	4188314.3	8.0	1.83	3.25	0.40	YES	
L0009107	0	0.59074E-05	653575.0	4188314.1	8.0	1.83	3.25	0.40	YES	
L0009108	0	0.59074E-05	653568.0	4188313.9	8.0	1.83	3.25	0.40	YES	
L0009109	0	0.59074E-05	653561.0	4188313.8	8.0	1.83	3.25	0.40	YES	
L0009110	0	0.59074E-05	653554.0	4188313.6	8.0	1.83	3.25	0.40	YES	
L0009111	0	0.59074E-05	653547.0	4188313.4	8.0	1.83	3.25	0.40	YES	
L0009112	0	0.59074E-05	653540.0	4188313.2	8.0	1.83	3.25	0.40	YES	
L0009113	0	0.59074E-05	653533.0	4188313.0	8.0	1.83	3.25	0.40	YES	
L0009114	0	0.59074E-05	653526.1	4188312.9	8.0	1.83	3.25	0.40	YES	
L0009115	0	0.59074E-05	653519.1	4188312.7	8.0	1.83	3.25	0.40	YES	
L0009116	0	0.59074E-05	653512.1	4188312.5	8.0	1.83	3.25	0.40	YES	
L0009117	0	0.59074E-05	653505.1	4188312.3	8.0	1.83	3.25	0.40	YES	
L0009118	0	0.59074E-05	653498.1	4188312.2	8.0	1.83	3.25	0.40	YES	
L0009119	0	0.59074E-05	653491.1	4188312.0	8.0	1.83	3.25	0.40	YES	
L0009120	0	0.59074E-05	653484.2	4188311.8	8.0	1.83	3.25	0.40	YES	
L0009121	0	0.59074E-05	653477.2	4188311.6	8.0	1.83	3.25	0.40	YES	
L0009122	0	0.59074E-05	653470.2	4188311.5	8.0	1.83	3.25	0.40	YES	
L0009123	0	0.59074E-05	653463.2	4188311.3	8.0	1.83	3.25	0.40	YES	
L0009124	0	0.59074E-05	653461.0	4188316.5	8.0	1.83	3.32	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009125	0	0.59074E-05	653460.6	4188323.7	8.0	1.83	3.32	0.40	YES	
L0009126	0	0.59074E-05	653460.1	4188330.8	8.0	1.83	3.32	0.40	YES	
L0009127	0	0.59074E-05	653459.6	4188337.9	8.0	1.83	3.32	0.40	YES	
L0009128	0	0.59074E-05	653459.2	4188345.0	8.0	1.83	3.32	0.40	YES	
L0009129	0	0.59074E-05	653458.7	4188352.1	8.0	1.83	3.32	0.40	YES	
L0009130	0	0.59074E-05	653458.3	4188359.2	8.0	1.83	3.32	0.40	YES	
L0009131	0	0.59074E-05	653457.8	4188366.3	8.0	1.83	3.32	0.40	YES	
L0009132	0	0.59074E-05	653457.3	4188373.5	8.0	1.83	3.32	0.40	YES	
L0009133	0	0.59074E-05	653456.9	4188380.6	8.0	1.83	3.32	0.40	YES	
L0009134	0	0.59074E-05	653456.4	4188387.7	8.0	1.83	3.32	0.40	YES	
L0009135	0	0.59074E-05	653455.9	4188394.8	8.0	1.83	3.32	0.40	YES	
L0009136	0	0.59074E-05	653455.5	4188401.9	8.0	1.83	3.32	0.40	YES	
L0009137	0	0.59074E-05	653455.0	4188409.0	8.0	1.83	3.32	0.40	YES	
L0009138	0	0.59074E-05	653454.6	4188416.1	8.0	1.83	3.32	0.40	YES	
L0009139	0	0.59074E-05	653454.1	4188423.3	8.0	1.83	3.32	0.40	YES	
L0009140	0	0.59074E-05	653453.6	4188430.4	8.0	1.83	3.32	0.40	YES	
L0009141	0	0.59074E-05	653453.2	4188437.5	8.0	1.83	3.32	0.40	YES	
L0009142	0	0.59074E-05	653452.7	4188444.6	8.0	1.83	3.32	0.40	YES	
L0009143	0	0.59074E-05	653452.2	4188451.7	8.0	1.83	3.32	0.40	YES	
L0009144	0	0.59074E-05	653451.8	4188458.8	8.0	1.83	3.32	0.40	YES	
L0009145	0	0.59074E-05	653451.3	4188465.9	8.0	1.83	3.32	0.40	YES	
L0009146	0	0.59074E-05	653450.9	4188473.1	8.0	1.83	3.32	0.40	YES	
L0009147	0	0.59074E-05	653450.4	4188480.2	8.0	1.83	3.32	0.40	YES	
L0009148	0	0.59074E-05	653449.9	4188487.3	8.0	1.83	3.32	0.40	YES	
L0009149	0	0.59074E-05	653449.5	4188494.4	8.0	1.83	3.32	0.40	YES	
L0009150	0	0.59074E-05	653449.0	4188501.5	8.0	1.83	3.32	0.40	YES	
L0009151	0	0.59074E-05	653448.5	4188508.6	8.0	1.83	3.32	0.40	YES	
L0009152	0	0.59074E-05	653448.1	4188515.7	8.0	1.83	3.32	0.40	YES	
L0009153	0	0.59074E-05	653447.6	4188522.9	8.0	1.83	3.32	0.40	YES	
L0009154	0	0.59074E-05	653447.2	4188530.0	8.0	1.83	3.32	0.40	YES	
L0009155	0	0.59074E-05	653446.7	4188537.1	8.0	1.83	3.32	0.40	YES	
L0009156	0	0.59074E-05	653446.2	4188544.2	8.0	1.83	3.32	0.40	YES	
L0009157	0	0.59074E-05	653445.8	4188551.3	8.0	1.83	3.32	0.40	YES	
L0009158	0	0.59074E-05	653445.3	4188558.4	8.0	1.83	3.32	0.40	YES	
L0009159	0	0.13718E-05	653588.9	4188311.3	8.0	1.83	3.34	0.40	YES	
L0009160	0	0.13718E-05	653581.7	4188311.5	8.0	1.83	3.34	0.40	YES	
L0009161	0	0.13718E-05	653574.6	4188311.7	8.0	1.83	3.34	0.40	YES	
L0009162	0	0.13718E-05	653567.4	4188311.9	8.0	1.83	3.34	0.40	YES	
L0009163	0	0.13718E-05	653560.2	4188312.2	8.0	1.83	3.34	0.40	YES	
L0009164	0	0.13718E-05	653553.0	4188312.4	8.0	1.83	3.34	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009165	0	0.13718E-05	653545.8	4188312.6	8.0	1.83	3.34	0.40	YES	
L0009166	0	0.13718E-05	653538.7	4188312.8	8.0	1.83	3.34	0.40	YES	
L0009167	0	0.13718E-05	653531.5	4188313.0	8.0	1.83	3.34	0.40	YES	
L0009168	0	0.13718E-05	653524.3	4188313.2	8.0	1.83	3.34	0.40	YES	
L0009169	0	0.13718E-05	653517.1	4188313.4	8.0	1.83	3.34	0.40	YES	
L0009170	0	0.13718E-05	653509.9	4188313.7	8.0	1.83	3.34	0.40	YES	
L0009171	0	0.13718E-05	653502.8	4188313.9	8.0	1.83	3.34	0.40	YES	
L0009172	0	0.13718E-05	653495.6	4188314.1	8.0	1.83	3.34	0.40	YES	
L0009173	0	0.13718E-05	653488.4	4188314.3	8.0	1.83	3.34	0.40	YES	
L0009174	0	0.13718E-05	653481.2	4188314.5	8.0	1.83	3.34	0.40	YES	
L0009175	0	0.13718E-05	653474.0	4188314.7	8.0	1.83	3.34	0.40	YES	
L0009176	0	0.13718E-05	653466.9	4188314.9	8.0	1.83	3.34	0.40	YES	
L0009177	0	0.13718E-05	653459.7	4188315.2	8.0	1.83	3.34	0.40	YES	
L0009178	0	0.13718E-05	653452.5	4188315.4	8.0	1.83	3.34	0.40	YES	
L0009179	0	0.13718E-05	653445.3	4188315.6	8.0	1.83	3.34	0.40	YES	
L0009180	0	0.13718E-05	653438.1	4188315.8	8.0	1.83	3.34	0.40	YES	
L0009181	0	0.13718E-05	653431.0	4188316.0	8.0	1.83	3.34	0.40	YES	
L0009182	0	0.13718E-05	653423.8	4188316.2	8.0	1.83	3.34	0.40	YES	
L0009183	0	0.13718E-05	653416.6	4188316.4	8.0	1.83	3.34	0.40	YES	
L0009184	0	0.13718E-05	653409.4	4188316.7	8.0	1.83	3.34	0.40	YES	
L0009185	0	0.13718E-05	653402.2	4188316.9	8.0	1.83	3.34	0.40	YES	
L0009186	0	0.13718E-05	653395.1	4188317.1	8.0	1.83	3.34	0.40	YES	
L0009187	0	0.13718E-05	653387.9	4188317.3	8.0	1.83	3.34	0.40	YES	
L0009188	0	0.13718E-05	653380.7	4188317.5	8.0	1.83	3.34	0.40	YES	
L0009189	0	0.13718E-05	653373.5	4188317.7	8.0	1.83	3.34	0.40	YES	
L0009190	0	0.13718E-05	653366.3	4188317.9	8.0	1.83	3.34	0.40	YES	
L0009191	0	0.13718E-05	653359.2	4188318.2	8.0	1.83	3.34	0.40	YES	
L0009192	0	0.13718E-05	653352.0	4188318.4	8.0	1.83	3.34	0.40	YES	
L0009193	0	0.13718E-05	653344.8	4188318.6	8.0	1.83	3.34	0.40	YES	
L0009194	0	0.13718E-05	653337.6	4188318.8	8.0	1.83	3.34	0.40	YES	
L0009195	0	0.13718E-05	653330.4	4188319.0	8.0	1.83	3.34	0.40	YES	
L0009196	0	0.13718E-05	653323.3	4188319.2	8.0	1.83	3.34	0.40	YES	
L0009197	0	0.13718E-05	653316.1	4188319.4	8.0	1.83	3.34	0.40	YES	
L0009198	0	0.13718E-05	653308.9	4188319.7	8.0	1.83	3.34	0.40	YES	
L0009199	0	0.13718E-05	653301.7	4188319.9	8.0	1.83	3.34	0.40	YES	
L0009200	0	0.13718E-05	653294.5	4188320.1	8.0	1.83	3.34	0.40	YES	
L0009201	0	0.13718E-05	653287.4	4188320.3	8.0	1.83	3.34	0.40	YES	
L0009202	0	0.13718E-05	653280.2	4188320.5	8.0	1.83	3.34	0.40	YES	
L0009203	0	0.13718E-05	653273.0	4188320.7	8.0	1.83	3.34	0.40	YES	
L0009204	0	0.13718E-05	653265.8	4188320.9	8.0	1.83	3.34	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009205	0	0.13718E-05	653263.8	4188326.4	8.0	1.83	3.38	0.40	YES	
L0009206	0	0.13718E-05	653263.6	4188333.7	8.0	1.83	3.38	0.40	YES	
L0009207	0	0.13718E-05	653263.4	4188341.0	8.0	1.83	3.38	0.40	YES	
L0009208	0	0.13718E-05	653263.2	4188348.3	8.0	1.83	3.38	0.40	YES	
L0009209	0	0.13718E-05	653263.0	4188355.5	8.0	1.83	3.38	0.40	YES	
L0009210	0	0.13718E-05	653262.8	4188362.8	8.0	1.83	3.38	0.40	YES	
L0009211	0	0.13718E-05	653262.6	4188370.1	8.0	1.83	3.38	0.40	YES	
L0009212	0	0.13718E-05	653262.4	4188377.4	8.0	1.83	3.38	0.40	YES	
L0009213	0	0.13718E-05	653262.2	4188384.6	8.0	1.83	3.38	0.40	YES	
L0009214	0	0.13718E-05	653262.0	4188391.9	8.0	1.83	3.38	0.40	YES	
L0009215	0	0.13718E-05	653261.8	4188399.2	8.0	1.83	3.38	0.40	YES	
L0009216	0	0.13718E-05	653261.6	4188406.5	8.0	1.83	3.38	0.40	YES	
L0009217	0	0.13718E-05	653261.4	4188413.7	8.0	1.83	3.38	0.40	YES	
L0009218	0	0.13718E-05	653261.2	4188421.0	8.0	1.83	3.38	0.40	YES	
L0009219	0	0.13718E-05	653261.0	4188428.3	8.0	1.83	3.38	0.40	YES	
L0009220	0	0.13718E-05	653260.8	4188435.5	8.0	1.83	3.38	0.40	YES	
L0009221	0	0.13718E-05	653260.6	4188442.8	8.0	1.83	3.38	0.40	YES	
L0009222	0	0.13718E-05	653260.4	4188450.1	8.0	1.83	3.38	0.40	YES	
L0009223	0	0.13718E-05	653260.2	4188457.4	8.0	1.83	3.38	0.40	YES	
L0009224	0	0.13718E-05	653260.0	4188464.6	8.0	1.83	3.38	0.40	YES	
L0009225	0	0.13718E-05	653259.8	4188471.9	8.0	1.83	3.38	0.40	YES	
L0009226	0	0.13718E-05	653259.6	4188479.2	8.0	1.83	3.38	0.40	YES	
L0009227	0	0.13718E-05	653259.4	4188486.5	8.0	1.83	3.38	0.40	YES	
L0009228	0	0.13718E-05	653259.2	4188493.7	8.0	1.83	3.38	0.40	YES	
L0009229	0	0.13718E-05	653259.0	4188501.0	8.0	1.83	3.38	0.40	YES	
L0009230	0	0.13718E-05	653258.8	4188508.3	8.0	1.83	3.38	0.40	YES	
L0009231	0	0.13718E-05	653258.6	4188515.6	8.0	1.83	3.38	0.40	YES	
L0009232	0	0.13718E-05	653258.4	4188522.8	8.0	1.83	3.38	0.40	YES	
L0009233	0	0.13718E-05	653258.2	4188530.1	8.0	1.83	3.38	0.40	YES	
L0009234	0	0.13718E-05	653258.0	4188537.4	8.0	1.83	3.38	0.40	YES	
L0009235	0	0.13718E-05	653257.8	4188544.6	8.0	1.83	3.38	0.40	YES	
L0009236	0	0.13718E-05	653257.6	4188551.9	8.0	1.83	3.38	0.40	YES	
L0009352	0	0.37225E-05	653158.1	4188708.0	8.0	8.00	5.09	0.86	YES	
L0009353	0	0.37225E-05	653157.7	4188718.9	8.0	8.00	5.09	0.86	YES	
L0009354	0	0.37225E-05	653157.2	4188729.8	8.0	8.00	5.09	0.86	YES	
L0009355	0	0.37225E-05	653156.8	4188740.8	8.0	8.00	5.09	0.86	YES	
L0009356	0	0.37225E-05	653156.4	4188751.7	8.0	8.00	5.09	0.86	YES	
L0009357	0	0.37225E-05	653155.9	4188762.6	8.0	8.00	5.09	0.86	YES	
L0009358	0	0.37225E-05	653155.5	4188773.6	8.0	8.00	5.09	0.86	YES	
L0009359	0	0.37225E-05	653155.1	4188784.5	8.0	8.00	5.09	0.86	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009360	0	0.37225E-05	653154.7	4188795.4	8.0	8.00	5.09	0.86	YES	
L0009361	0	0.37225E-05	653154.2	4188806.3	8.0	8.00	5.09	0.86	YES	
L0009362	0	0.37225E-05	653153.8	4188817.3	8.0	8.00	5.09	0.86	YES	
L0009363	0	0.37225E-05	653153.4	4188828.2	8.0	8.00	5.09	0.86	YES	
L0009364	0	0.37225E-05	653153.0	4188839.1	8.0	8.00	5.09	0.86	YES	
L0009365	0	0.37225E-05	653152.5	4188850.0	8.0	8.00	5.09	0.86	YES	
L0009366	0	0.37225E-05	653152.1	4188861.0	8.0	8.00	5.09	0.86	YES	
L0009367	0	0.37225E-05	653151.7	4188871.9	8.0	8.00	5.09	0.86	YES	
L0009368	0	0.37225E-05	653151.3	4188882.8	8.0	8.00	5.09	0.86	YES	
L0009369	0	0.37225E-05	653150.8	4188893.8	8.0	8.00	5.09	0.86	YES	
L0009370	0	0.37225E-05	653150.4	4188904.7	8.0	8.00	5.09	0.86	YES	
L0009371	0	0.37225E-05	653150.0	4188915.6	8.0	8.00	5.09	0.86	YES	
L0009372	0	0.37225E-05	653149.5	4188926.5	8.0	8.00	5.09	0.86	YES	
L0009373	0	0.37225E-05	653149.1	4188937.5	8.0	8.00	5.09	0.86	YES	
L0009374	0	0.37225E-05	653148.7	4188948.4	8.0	8.00	5.09	0.86	YES	
L0009375	0	0.37225E-05	653148.3	4188959.3	8.0	8.00	5.09	0.86	YES	
L0009376	0	0.37225E-05	653147.8	4188970.2	8.0	8.00	5.09	0.86	YES	
L0009377	0	0.37225E-05	653147.4	4188981.2	8.0	8.00	5.09	0.86	YES	
L0009378	0	0.37225E-05	653147.0	4188992.1	8.0	8.00	5.09	0.86	YES	
L0009379	0	0.37225E-05	653146.6	4189003.0	8.0	8.00	5.09	0.86	YES	
L0009380	0	0.37225E-05	653146.1	4189014.0	8.0	8.00	5.09	0.86	YES	
L0009381	0	0.37225E-05	653145.7	4189024.9	8.0	8.00	5.09	0.86	YES	
L0009382	0	0.37225E-05	653145.3	4189035.8	8.0	8.00	5.09	0.86	YES	
L0009383	0	0.37225E-05	653144.9	4189046.7	8.0	8.00	5.09	0.86	YES	
L0009384	0	0.37225E-05	653144.4	4189057.7	8.0	8.00	5.09	0.86	YES	
L0009385	0	0.37225E-05	653144.0	4189068.6	8.0	8.00	5.09	0.86	YES	
L0009386	0	0.37225E-05	653143.6	4189079.5	8.0	8.00	5.09	0.86	YES	
L0009387	0	0.37225E-05	653143.1	4189090.4	8.0	8.00	5.09	0.86	YES	
L0009388	0	0.37225E-05	653142.7	4189101.4	8.0	8.00	5.09	0.86	YES	
L0009389	0	0.37225E-05	653142.3	4189112.3	8.0	8.00	5.09	0.86	YES	
L0009390	0	0.37225E-05	653141.9	4189123.2	8.0	8.00	5.09	0.86	YES	
L0009391	0	0.37225E-05	653141.4	4189134.2	8.0	8.00	5.09	0.86	YES	
L0009392	0	0.37225E-05	653141.0	4189145.1	8.0	8.00	5.09	0.86	YES	
L0009393	0	0.37225E-05	653140.6	4189156.0	8.0	8.00	5.09	0.86	YES	
L0009394	0	0.37225E-05	653140.2	4189166.9	8.0	8.00	5.09	0.86	YES	
L0009395	0	0.37225E-05	653139.7	4189177.9	8.0	8.00	5.09	0.86	YES	
L0009396	0	0.37225E-05	653139.3	4189188.8	8.0	8.00	5.09	0.86	YES	
L0009397	0	0.37225E-05	653138.9	4189199.7	8.0	8.00	5.09	0.86	YES	
L0009398	0	0.37225E-05	653138.5	4189210.6	8.0	8.00	5.09	0.86	YES	
L0009399	0	0.37225E-05	653138.0	4189221.6	8.0	8.00	5.09	0.86	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009400	0	0.37225E-05	653137.6	4189232.5	8.0	8.00	5.09	0.86	YES	
L0009401	0	0.37225E-05	653137.2	4189243.4	8.0	8.00	5.09	0.86	YES	
L0009402	0	0.37225E-05	653136.7	4189254.4	8.0	8.00	5.09	0.86	YES	
L0009403	0	0.37225E-05	653136.3	4189265.3	8.0	8.00	5.09	0.86	YES	
L0009404	0	0.37225E-05	653135.9	4189276.2	8.0	8.00	5.09	0.86	YES	
L0009405	0	0.37225E-05	653135.5	4189287.1	8.0	8.00	5.09	0.86	YES	
L0009406	0	0.37225E-05	653135.0	4189298.1	8.0	8.00	5.09	0.86	YES	
L0009407	0	0.37225E-05	653134.6	4189309.0	8.0	8.00	5.09	0.86	YES	
L0009408	0	0.37225E-05	653134.2	4189319.9	8.0	8.00	5.09	0.86	YES	
L0009409	0	0.37225E-05	653133.8	4189330.9	8.0	8.00	5.09	0.86	YES	
L0009410	0	0.37225E-05	653133.3	4189341.8	8.0	8.00	5.09	0.86	YES	
L0009411	0	0.37225E-05	653132.9	4189352.7	8.0	8.00	5.09	0.86	YES	
L0009412	0	0.37225E-05	653132.5	4189363.6	8.0	8.00	5.09	0.86	YES	
L0009413	0	0.37225E-05	653132.1	4189374.6	8.0	8.00	5.09	0.86	YES	
L0009414	0	0.37225E-05	653131.6	4189385.5	8.0	8.00	5.09	0.86	YES	
L0009415	0	0.37225E-05	653131.2	4189396.4	8.0	8.00	5.09	0.86	YES	
L0009416	0	0.37225E-05	653130.8	4189407.3	8.0	8.00	5.09	0.86	YES	
L0009417	0	0.37225E-05	653130.3	4189418.3	8.0	8.00	5.09	0.86	YES	
L0009418	0	0.37225E-05	653129.9	4189429.2	8.0	8.00	5.09	0.86	YES	
L0009419	0	0.37225E-05	653129.5	4189440.1	8.0	8.00	5.09	0.86	YES	
L0009420	0	0.37225E-05	653129.1	4189451.1	8.0	8.00	5.09	0.86	YES	
L0009421	0	0.37225E-05	653128.6	4189462.0	8.0	8.00	5.09	0.86	YES	
L0009422	0	0.37225E-05	653128.2	4189472.9	8.0	8.00	5.09	0.86	YES	
L0009423	0	0.37225E-05	653127.8	4189483.8	8.0	8.00	5.09	0.86	YES	
L0009424	0	0.37225E-05	653127.4	4189494.8	8.0	8.00	5.09	0.86	YES	
L0009425	0	0.37225E-05	653126.9	4189505.7	8.0	8.00	5.09	0.86	YES	
L0009426	0	0.37225E-05	653126.5	4189516.6	8.0	8.00	5.09	0.86	YES	
L0009427	0	0.37225E-05	653126.1	4189527.5	8.0	8.00	5.09	0.86	YES	
L0009428	0	0.37225E-05	653125.6	4189538.5	8.0	8.00	5.09	0.86	YES	
L0009429	0	0.37225E-05	653125.2	4189549.4	8.0	8.00	5.09	0.86	YES	
L0009430	0	0.37225E-05	653124.8	4189560.3	8.0	8.00	5.09	0.86	YES	
L0009431	0	0.37225E-05	653124.4	4189571.3	8.0	8.00	5.09	0.86	YES	
L0009432	0	0.37225E-05	653123.9	4189582.2	8.0	8.00	5.09	0.86	YES	
L0009433	0	0.37225E-05	653123.5	4189593.1	8.0	8.00	5.09	0.86	YES	
L0009434	0	0.37225E-05	653123.1	4189604.0	8.0	8.00	5.09	0.86	YES	
L0009435	0	0.37225E-05	653122.7	4189615.0	8.0	8.00	5.09	0.86	YES	
L0009436	0	0.37225E-05	653122.2	4189625.9	8.0	8.00	5.09	0.86	YES	
L0009437	0	0.37225E-05	653121.8	4189636.8	8.0	8.00	5.09	0.86	YES	
L0009438	0	0.37225E-05	653121.4	4189647.7	8.0	8.00	5.09	0.86	YES	
L0009439	0	0.37225E-05	653121.0	4189658.7	8.0	8.00	5.09	0.86	YES	

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L0009440	0	0.37225E-05	653120.5	4189669.6	8.0	8.00	5.09	0.86	YES	
L0009441	0	0.37225E-05	653120.1	4189680.5	8.0	8.00	5.09	0.86	YES	
L0009442	0	0.37225E-05	653119.7	4189691.5	8.0	8.00	5.09	0.86	YES	
L0009443	0	0.37225E-05	653119.2	4189702.4	8.0	8.00	5.09	0.86	YES	
L0009444	0	0.37225E-05	653118.8	4189713.3	8.0	8.00	5.09	0.86	YES	
L0009445	0	0.37225E-05	653118.4	4189724.2	8.0	8.00	5.09	0.86	YES	
L0009446	0	0.37225E-05	653118.0	4189735.2	8.0	8.00	5.09	0.86	YES	
L0009447	0	0.37225E-05	653117.5	4189746.1	8.0	8.00	5.09	0.86	YES	
L0009448	0	0.37225E-05	653117.1	4189757.0	8.0	8.00	5.09	0.86	YES	
L0009449	0	0.37225E-05	653116.7	4189767.9	8.0	8.00	5.09	0.86	YES	
L0009450	0	0.37225E-05	653116.3	4189778.9	8.0	8.00	5.09	0.86	YES	
L0009451	0	0.37225E-05	653115.8	4189789.8	8.0	8.00	5.09	0.86	YES	
L0009452	0	0.37225E-05	653115.4	4189800.7	8.0	8.00	5.09	0.86	YES	
L0009453	0	0.37225E-05	653115.0	4189811.7	8.0	8.00	5.09	0.86	YES	
L0009454	0	0.37225E-05	653114.6	4189822.6	8.0	8.00	5.09	0.86	YES	
L0009455	0	0.37225E-05	653114.1	4189833.5	8.0	8.00	5.09	0.86	YES	
L0009456	0	0.37225E-05	653113.7	4189844.4	8.0	8.00	5.09	0.86	YES	
L0009457	0	0.37225E-05	653113.3	4189855.4	8.0	8.00	5.09	0.86	YES	
L0009458	0	0.37225E-05	653112.8	4189866.3	8.0	8.00	5.09	0.86	YES	
L0009459	0	0.37225E-05	653112.4	4189877.2	8.0	8.00	5.09	0.86	YES	
L0009460	0	0.37225E-05	653112.0	4189888.1	8.0	8.00	5.09	0.86	YES	
L0009461	0	0.37225E-05	653111.6	4189899.1	8.0	8.00	5.09	0.86	YES	
L0009462	0	0.37225E-05	653111.1	4189910.0	8.0	8.00	5.09	0.86	YES	
L0009463	0	0.37225E-05	653110.7	4189920.9	8.0	8.00	5.09	0.86	YES	
L0009464	0	0.37225E-05	653110.3	4189931.9	8.0	8.00	5.09	0.86	YES	
L0009465	0	0.37225E-05	653109.9	4189942.8	8.0	8.00	5.09	0.86	YES	
L0009466	0	0.37225E-05	653109.4	4189953.7	8.0	8.00	5.09	0.86	YES	
L0009467	0	0.37225E-05	653109.0	4189964.6	8.0	8.00	5.09	0.86	YES	
L0009468	0	0.37225E-05	653108.6	4189975.6	8.0	8.00	5.09	0.86	YES	
L0009469	0	0.37225E-05	653108.2	4189986.5	8.0	8.00	5.09	0.86	YES	
L0009470	0	0.37225E-05	653107.7	4189997.4	8.0	8.00	5.09	0.86	YES	
L0009471	0	0.37225E-05	653107.3	4190008.3	8.0	8.00	5.09	0.86	YES	
L0009472	0	0.37225E-05	653106.9	4190019.3	8.0	8.00	5.09	0.86	YES	
L0009473	0	0.37225E-05	653106.4	4190030.2	8.0	8.00	5.09	0.86	YES	
L0009474	0	0.37225E-05	653106.0	4190041.1	8.0	8.00	5.09	0.86	YES	
L0009475	0	0.37225E-05	653105.6	4190052.1	8.0	8.00	5.09	0.86	YES	
L0009476	0	0.37225E-05	653105.2	4190063.0	8.0	8.00	5.09	0.86	YES	
L0009477	0	0.37225E-05	653104.7	4190073.9	8.0	8.00	5.09	0.86	YES	
L0009478	0	0.37225E-05	653104.3	4190084.8	8.0	8.00	5.09	0.86	YES	
L0009479	0	0.37225E-05	653103.9	4190095.8	8.0	8.00	5.09	0.86	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009480	0	0.37225E-05	653103.5	4190106.7	8.0	8.00	5.09	0.86	YES	
L0009481	0	0.37225E-05	653103.0	4190117.6	8.0	8.00	5.09	0.86	YES	
L0009482	0	0.37225E-05	653102.6	4190128.5	8.0	8.00	5.09	0.86	YES	
L0009483	0	0.37225E-05	653102.2	4190139.5	8.0	8.00	5.09	0.86	YES	
L0009484	0	0.37225E-05	653101.8	4190150.4	8.0	8.00	5.09	0.86	YES	
L0009485	0	0.37225E-05	653101.3	4190161.3	8.0	8.00	5.09	0.86	YES	
L0009486	0	0.37225E-05	653100.9	4190172.3	8.0	8.00	5.09	0.86	YES	
L0009487	0	0.37225E-05	653100.5	4190183.2	8.0	8.00	5.09	0.86	YES	
L0009488	0	0.37225E-05	653100.0	4190194.1	8.0	8.00	5.09	0.86	YES	
L0009489	0	0.37225E-05	653099.6	4190205.0	8.0	8.00	5.09	0.86	YES	
L0009490	0	0.37225E-05	653099.2	4190216.0	8.0	8.00	5.09	0.86	YES	
L0009491	0	0.37225E-05	653098.8	4190226.9	8.0	8.00	5.09	0.86	YES	
L0009492	0	0.37225E-05	653098.3	4190237.8	8.0	8.00	5.09	0.86	YES	
L0009493	0	0.37225E-05	653097.9	4190248.8	8.0	8.00	5.09	0.86	YES	
L0009494	0	0.37225E-05	653097.5	4190259.7	8.0	8.00	5.09	0.86	YES	
L0009495	0	0.37225E-05	653097.1	4190270.6	8.0	8.00	5.09	0.86	YES	
L0009496	0	0.37225E-05	653096.6	4190281.5	8.0	8.00	5.09	0.86	YES	
L0009497	0	0.37225E-05	653096.2	4190292.5	8.0	8.00	5.09	0.86	YES	
L0009498	0	0.37225E-05	653095.8	4190303.4	8.0	8.00	5.09	0.86	YES	
L0009499	0	0.37225E-05	653095.4	4190314.3	8.0	8.00	5.09	0.86	YES	
L0009500	0	0.37225E-05	653094.9	4190325.2	8.0	8.00	5.09	0.86	YES	
L0009501	0	0.37225E-05	653094.5	4190336.2	8.0	8.00	5.09	0.86	YES	
L0009502	0	0.37225E-05	653094.1	4190347.1	8.0	8.00	5.09	0.86	YES	
L0009503	0	0.37225E-05	653093.6	4190358.0	8.0	8.00	5.09	0.86	YES	
L0009504	0	0.37225E-05	653093.2	4190369.0	8.0	8.00	5.09	0.86	YES	
L0009505	0	0.37225E-05	653092.8	4190379.9	8.0	8.00	5.09	0.86	YES	
L0009506	0	0.37225E-05	653092.4	4190390.8	8.0	8.00	5.09	0.86	YES	
L0009507	0	0.37225E-05	653091.9	4190401.7	8.0	8.00	5.09	0.86	YES	
L0009508	0	0.37225E-05	653091.5	4190412.7	8.0	8.00	5.09	0.86	YES	
L0009509	0	0.37225E-05	653091.1	4190423.6	8.0	8.00	5.09	0.86	YES	
L0009510	0	0.37225E-05	653090.7	4190434.5	8.0	8.00	5.09	0.86	YES	
L0009511	0	0.37225E-05	653090.2	4190445.4	8.0	8.00	5.09	0.86	YES	
L0009512	0	0.37225E-05	653089.8	4190456.4	8.0	8.00	5.09	0.86	YES	
L0009513	0	0.37225E-05	653089.4	4190467.3	8.0	8.00	5.09	0.86	YES	
L0009514	0	0.37225E-05	653089.0	4190478.2	8.0	8.00	5.09	0.86	YES	
L0009515	0	0.37225E-05	653088.5	4190489.2	8.0	8.00	5.09	0.86	YES	
L0009516	0	0.37225E-05	653088.1	4190500.1	8.0	8.00	5.09	0.86	YES	
L0009517	0	0.37225E-05	653087.7	4190511.0	8.0	8.00	5.09	0.86	YES	
L0009518	0	0.37225E-05	653087.2	4190521.9	8.0	8.00	5.05	0.86	YES	
L0009519	0	0.37225E-05	653086.8	4190532.7	8.0	8.00	5.05	0.86	YES	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009520	0	0.37225E-05	653086.3	4190543.6	8.0	8.00	5.05	0.86	YES	
L0009521	0	0.37225E-05	653085.9	4190554.4	8.0	8.00	5.05	0.86	YES	
L0009522	0	0.37225E-05	653085.5	4190565.3	8.0	8.00	5.05	0.86	YES	
L0009523	0	0.37225E-05	653085.0	4190576.1	8.0	8.00	5.05	0.86	YES	
L0009524	0	0.37225E-05	653084.6	4190587.0	8.0	8.00	5.05	0.86	YES	
L0009525	0	0.37225E-05	653084.1	4190597.8	8.0	8.00	5.05	0.86	YES	
L0009526	0	0.37225E-05	653083.7	4190608.6	8.0	8.00	5.05	0.86	YES	
L0009527	0	0.37225E-05	653083.2	4190619.5	8.0	8.00	5.05	0.86	YES	
L0009528	0	0.37225E-05	653082.8	4190630.3	8.0	8.00	5.05	0.86	YES	
L0009529	0	0.37225E-05	653082.3	4190641.2	8.0	8.00	5.05	0.86	YES	
L0009530	0	0.37225E-05	653081.9	4190652.0	8.0	8.00	5.05	0.86	YES	
L0009531	0	0.37225E-05	653081.4	4190662.9	8.0	8.00	5.05	0.86	YES	
L0009532	0	0.37225E-05	653081.0	4190673.7	8.0	8.00	5.05	0.86	YES	
L0009533	0	0.37225E-05	653080.6	4190684.6	8.0	8.00	5.05	0.86	YES	
L0009534	0	0.37225E-05	653080.1	4190695.4	8.0	8.00	5.05	0.86	YES	
L0009535	0	0.37225E-05	653079.7	4190706.3	8.0	8.00	5.05	0.86	YES	
L0009536	0	0.37225E-05	653079.2	4190717.1	8.0	8.00	5.05	0.86	YES	
L0009537	0	0.37225E-05	653078.8	4190728.0	8.0	8.00	5.05	0.86	YES	
L0009538	0	0.37225E-05	653078.3	4190738.8	8.0	8.00	5.05	0.86	YES	
L0009539	0	0.37225E-05	653077.9	4190749.7	8.0	8.00	5.05	0.86	YES	
L0009540	0	0.37225E-05	653077.4	4190760.5	8.0	8.00	5.05	0.86	YES	
L0009541	0	0.37225E-05	653077.0	4190771.4	8.0	8.00	5.05	0.86	YES	
L0009542	0	0.37225E-05	653076.6	4190782.2	8.0	8.00	5.05	0.86	YES	
L0009543	0	0.37225E-05	653076.1	4190793.1	8.0	8.00	5.05	0.86	YES	
L0009544	0	0.37225E-05	653075.7	4190803.9	8.0	8.00	5.05	0.86	YES	
L0009545	0	0.37225E-05	653075.2	4190814.8	8.0	8.00	5.05	0.86	YES	
L0009546	0	0.37225E-05	653074.8	4190825.6	8.0	8.00	5.05	0.86	YES	
L0009547	0	0.37225E-05	653074.3	4190836.5	8.0	8.00	5.05	0.86	YES	
L0009548	0	0.37225E-05	653073.9	4190847.3	8.0	8.00	5.05	0.86	YES	
L0009549	0	0.37225E-05	653073.4	4190858.2	8.0	8.00	5.05	0.86	YES	
L0009550	0	0.37225E-05	653073.0	4190869.0	8.0	8.00	5.05	0.86	YES	
L0009551	0	0.37225E-05	653072.6	4190879.9	8.0	8.00	5.05	0.86	YES	
L0009552	0	0.37225E-05	653072.1	4190890.7	8.0	8.00	5.05	0.86	YES	
L0009553	0	0.37225E-05	653071.7	4190901.6	8.0	8.00	5.05	0.86	YES	
L0009554	0	0.37225E-05	653071.2	4190912.4	8.0	8.00	5.05	0.86	YES	
L0009555	0	0.37225E-05	653070.8	4190923.3	8.0	8.00	5.05	0.86	YES	
L0009556	0	0.37225E-05	653070.3	4190934.1	8.0	8.00	5.05	0.86	YES	
L0009557	0	0.37225E-05	653069.9	4190945.0	8.0	8.00	5.05	0.86	YES	
L0009558	0	0.37225E-05	653069.4	4190955.8	8.0	8.00	5.05	0.86	YES	
L0009559	0	0.37225E-05	653069.0	4190966.7	8.0	8.00	5.05	0.86	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009560	0	0.37225E-05	653068.6	4190977.5	8.0	8.00	5.05	0.86	YES	
L0009237	0	0.90435E-05	653483.8	4190518.0	8.0	1.83	3.39	0.40	NO	
L0009238	0	0.90435E-05	653476.5	4190517.8	8.0	1.83	3.39	0.40	NO	
L0009239	0	0.90435E-05	653469.2	4190517.6	8.0	1.83	3.39	0.40	NO	
L0009240	0	0.90435E-05	653461.9	4190517.5	8.0	1.83	3.39	0.40	NO	
L0009241	0	0.90435E-05	653454.7	4190517.3	8.0	1.83	3.39	0.40	NO	
L0009242	0	0.90435E-05	653447.4	4190517.2	8.0	1.83	3.39	0.40	NO	
L0009243	0	0.90435E-05	653440.1	4190517.0	8.0	1.83	3.39	0.40	NO	
L0009244	0	0.90435E-05	653432.8	4190516.8	8.0	1.83	3.39	0.40	NO	
L0009245	0	0.90435E-05	653425.5	4190516.7	8.0	1.83	3.39	0.40	NO	
L0009246	0	0.90435E-05	653418.2	4190516.5	8.0	1.83	3.39	0.40	NO	
L0009247	0	0.90435E-05	653410.9	4190516.4	8.0	1.83	3.39	0.40	NO	
L0009248	0	0.90435E-05	653403.7	4190516.2	8.0	1.83	3.39	0.40	NO	
L0009249	0	0.90435E-05	653396.4	4190516.0	8.0	1.83	3.39	0.40	NO	
L0009250	0	0.90435E-05	653389.1	4190515.9	8.0	1.83	3.39	0.40	NO	
L0009251	0	0.90435E-05	653381.8	4190515.7	8.0	1.83	3.39	0.40	NO	
L0009252	0	0.90435E-05	653374.5	4190515.6	8.0	1.83	3.39	0.40	NO	
L0009253	0	0.90435E-05	653367.2	4190515.4	8.0	1.83	3.39	0.40	NO	
L0009254	0	0.90435E-05	653359.9	4190515.3	8.0	1.83	3.39	0.40	NO	
L0009255	0	0.90435E-05	653352.7	4190515.1	8.0	1.83	3.39	0.40	NO	
L0009256	0	0.90435E-05	653345.4	4190514.9	8.0	1.83	3.39	0.40	NO	
L0009257	0	0.90435E-05	653338.1	4190514.8	8.0	1.83	3.39	0.40	NO	
L0009258	0	0.90435E-05	653330.8	4190514.6	8.0	1.83	3.39	0.40	NO	
L0009259	0	0.90435E-05	653323.5	4190514.5	8.0	1.83	3.39	0.40	NO	
L0009260	0	0.90435E-05	653316.2	4190514.3	8.0	1.83	3.39	0.40	NO	
L0009261	0	0.90435E-05	653308.9	4190514.1	8.0	1.83	3.39	0.40	NO	
L0009262	0	0.90435E-05	653301.7	4190514.0	8.0	1.83	3.39	0.40	NO	
L0009263	0	0.90435E-05	653294.4	4190513.8	8.0	1.83	3.39	0.40	NO	
L0009264	0	0.90435E-05	653287.1	4190513.7	8.0	1.83	3.39	0.40	NO	
L0009265	0	0.90435E-05	653279.8	4190513.5	8.0	1.83	3.39	0.40	NO	
L0009266	0	0.90435E-05	653272.5	4190513.3	8.0	1.83	3.39	0.40	NO	
L0009267	0	0.90435E-05	653265.2	4190513.2	8.0	1.83	3.39	0.40	NO	
L0009268	0	0.90435E-05	653257.9	4190513.0	8.0	1.83	3.39	0.40	NO	
L0009269	0	0.90435E-05	653250.7	4190512.9	8.0	1.83	3.39	0.40	NO	
L0009270	0	0.90435E-05	653243.4	4190512.7	8.0	1.83	3.39	0.40	NO	
L0009271	0	0.90435E-05	653236.1	4190512.5	8.0	1.83	3.39	0.40	NO	
L0009272	0	0.90435E-05	653228.8	4190512.4	8.0	1.83	3.39	0.40	NO	
L0009273	0	0.90435E-05	653221.5	4190512.2	8.0	1.83	3.39	0.40	NO	
L0009274	0	0.90435E-05	653214.2	4190512.1	8.0	1.83	3.39	0.40	NO	
L0009275	0	0.90435E-05	653207.0	4190511.9	8.0	1.83	3.39	0.40	NO	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009276	0	0.90435E-05	653199.7	4190511.7	8.0	1.83	3.39	0.40	NO	
L0009277	0	0.90435E-05	653192.4	4190511.6	8.0	1.83	3.39	0.40	NO	
L0009278	0	0.90435E-05	653185.1	4190511.4	8.0	1.83	3.39	0.40	NO	
L0009279	0	0.90435E-05	653177.8	4190511.3	8.0	1.83	3.39	0.40	NO	
L0009280	0	0.90435E-05	653170.5	4190511.1	8.0	1.83	3.39	0.40	NO	
L0009281	0	0.90435E-05	653163.2	4190510.9	8.0	1.83	3.39	0.40	NO	
L0009282	0	0.90435E-05	653156.0	4190510.8	8.0	1.83	3.39	0.40	NO	
L0009283	0	0.90435E-05	653154.4	4190505.3	8.0	1.83	3.40	0.40	NO	
L0009284	0	0.90435E-05	653154.7	4190498.0	8.0	1.83	3.40	0.40	NO	
L0009285	0	0.90435E-05	653155.0	4190490.7	8.0	1.83	3.40	0.40	NO	
L0009286	0	0.90435E-05	653155.3	4190483.3	8.0	1.83	3.40	0.40	NO	
L0009287	0	0.90435E-05	653155.6	4190476.0	8.0	1.83	3.40	0.40	NO	
L0009288	0	0.90435E-05	653155.9	4190468.7	8.0	1.83	3.40	0.40	NO	
L0009289	0	0.90435E-05	653156.2	4190461.4	8.0	1.83	3.40	0.40	NO	
L0009290	0	0.90435E-05	653156.6	4190454.1	8.0	1.83	3.40	0.40	NO	
L0009291	0	0.90435E-05	653156.9	4190446.8	8.0	1.83	3.40	0.40	NO	
L0009292	0	0.90435E-05	653157.2	4190439.5	8.0	1.83	3.40	0.40	NO	
L0009293	0	0.90435E-05	653157.5	4190432.2	8.0	1.83	3.40	0.40	NO	
L0009294	0	0.90435E-05	653157.8	4190424.9	8.0	1.83	3.40	0.40	NO	
L0009295	0	0.90435E-05	653158.1	4190417.6	8.0	1.83	3.40	0.40	NO	
L0009296	0	0.90435E-05	653158.4	4190410.3	8.0	1.83	3.40	0.40	NO	
L0009297	0	0.90435E-05	653158.7	4190403.0	8.0	1.83	3.40	0.40	NO	
L0009298	0	0.90435E-05	653159.1	4190395.6	8.0	1.83	3.40	0.40	NO	
L0009299	0	0.90435E-05	653159.4	4190388.3	8.0	1.83	3.40	0.40	NO	
L0009300	0	0.90435E-05	653159.7	4190381.0	8.0	1.83	3.40	0.40	NO	
L0009301	0	0.90435E-05	653160.0	4190373.7	8.0	1.83	3.40	0.40	NO	
L0009302	0	0.90435E-05	653160.3	4190366.4	8.0	1.83	3.40	0.40	NO	
L0009303	0	0.90435E-05	653160.6	4190359.1	8.0	1.83	3.40	0.40	NO	
L0009304	0	0.90435E-05	653160.9	4190351.8	8.0	1.83	3.40	0.40	NO	
L0009305	0	0.90435E-05	653161.3	4190344.5	8.0	1.83	3.40	0.40	NO	
L0009306	0	0.90435E-05	653161.6	4190337.2	8.0	1.83	3.40	0.40	NO	
L0009307	0	0.90435E-05	653161.9	4190329.9	8.0	1.83	3.40	0.40	NO	
L0009308	0	0.90435E-05	653162.2	4190322.6	8.0	1.83	3.40	0.40	NO	
L0009309	0	0.90435E-05	653162.5	4190315.3	8.0	1.83	3.40	0.40	NO	
L0009310	0	0.90435E-05	653162.8	4190308.0	8.0	1.83	3.40	0.40	NO	
L0009311	0	0.90435E-05	653163.1	4190300.6	8.0	1.83	3.40	0.40	NO	
L0009312	0	0.90435E-05	653163.4	4190293.3	8.0	1.83	3.40	0.40	NO	
L0009313	0	0.90435E-05	653163.8	4190286.0	8.0	1.83	3.40	0.40	NO	
L0009314	0	0.90435E-05	653164.1	4190278.7	8.0	1.83	3.40	0.40	NO	

L0009315	0	0.90435E-05	653164.4	4190271.4	8.0	1.83	3.40	0.40	NO

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009316	0	0.90435E-05	653164.7	4190264.1	8.0	1.83	3.40	0.40	NO	
L0009317	0	0.90435E-05	653165.0	4190256.8	8.0	1.83	3.40	0.40	NO	
L0009318	0	0.90435E-05	653165.3	4190249.5	8.0	1.83	3.40	0.40	NO	
L0009319	0	0.90435E-05	653165.6	4190242.2	8.0	1.83	3.40	0.40	NO	
L0009320	0	0.90435E-05	653166.0	4190234.9	8.0	1.83	3.40	0.40	NO	
L0009321	0	0.90435E-05	653166.3	4190227.6	8.0	1.83	3.40	0.40	NO	
L0009322	0	0.90435E-05	653166.6	4190220.3	8.0	1.83	3.40	0.40	NO	
L0009323	0	0.90435E-05	653166.9	4190212.9	8.0	1.83	3.40	0.40	NO	
L0009324	0	0.90435E-05	653167.2	4190205.6	8.0	1.83	3.40	0.40	NO	
L0009325	0	0.90435E-05	653167.5	4190198.3	8.0	1.83	3.40	0.40	NO	
L0009326	0	0.90435E-05	653167.8	4190191.0	8.0	1.83	3.40	0.40	NO	
L0009327	0	0.90435E-05	653168.2	4190183.7	8.0	1.83	3.40	0.40	NO	
L0009328	0	0.90435E-05	653168.5	4190176.4	8.0	1.83	3.40	0.40	NO	
L0009329	0	0.90435E-05	653168.8	4190169.1	8.0	1.83	3.40	0.40	NO	
L0009330	0	0.90435E-05	653169.1	4190161.8	8.0	1.83	3.40	0.40	NO	
L0009331	0	0.90435E-05	653169.4	4190154.5	8.0	1.83	3.40	0.40	NO	
L0009332	0	0.90435E-05	653169.7	4190147.2	8.0	1.83	3.40	0.40	NO	
L0009333	0	0.90435E-05	653170.0	4190139.9	8.0	1.83	3.40	0.40	NO	
L0009334	0	0.90435E-05	653170.3	4190132.6	8.0	1.83	3.40	0.40	NO	
L0009335	0	0.90435E-05	653170.7	4190125.3	8.0	1.83	3.40	0.40	NO	
L0009336	0	0.90435E-05	653171.0	4190117.9	8.0	1.83	3.40	0.40	NO	
L0009337	0	0.90435E-05	653171.3	4190110.6	8.0	1.83	3.40	0.40	NO	
L0009338	0	0.90435E-05	653171.6	4190103.3	8.0	1.83	3.40	0.40	NO	
L0009339	0	0.90435E-05	653171.9	4190096.0	8.0	1.83	3.40	0.40	NO	
L0009340	0	0.90435E-05	653172.2	4190088.7	8.0	1.83	3.40	0.40	NO	
L0009341	0	0.90435E-05	653172.5	4190081.4	8.0	1.83	3.40	0.40	NO	
L0009342	0	0.90435E-05	653172.9	4190074.1	8.0	1.83	3.40	0.40	NO	
L0009343	0	0.90435E-05	653173.2	4190066.8	8.0	1.83	3.40	0.40	NO	
L0009344	0	0.90435E-05	653173.5	4190059.5	8.0	1.83	3.40	0.40	NO	
L0009345	0	0.90435E-05	653173.8	4190052.2	8.0	1.83	3.40	0.40	NO	
L0009346	0	0.90435E-05	653174.1	4190044.9	8.0	1.83	3.40	0.40	NO	
L0009347	0	0.90435E-05	653174.4	4190037.6	8.0	1.83	3.40	0.40	NO	
L0009348	0	0.90435E-05	653174.7	4190030.3	8.0	1.83	3.40	0.40	NO	
L0009349	0	0.90435E-05	653175.0	4190022.9	8.0	1.83	3.40	0.40	NO	
L0009350	0	0.90435E-05	653175.4	4190015.6	8.0	1.83	3.40	0.40	NO	
L0009351	0	0.90435E-05	653175.7	4190008.3	8.0	1.83	3.40	0.40	NO	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ALL L0008885, L0008886, L0008887, L0008888, L0008889, L0008890, L0008891, L0008892, L0008893, L0008894, L0008895, L0008896,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID   SOURCE IDs

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ICIC3_1 , ICIC3_2 , ICIC3_3 , ICIC4_1 , ICIC4_2 , ICIC4_3 , ICIC5_1 , ICIC5_2 , ICIC5_3 , L0009352, L0009353, L0009354,
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*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID   SOURCE IDs

L0009463, L0009464, L0009465, L0009466, L0009467, L0009468, L0009469, L0009470, L0009471, L0009472, L0009473, L0009474,
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*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC1_1
 IFV   BH   BW   BL   XADJ   YADJ   IFV   BH   BW   BL   XADJ   YADJ
   1   12.2, 348.7, 718.2, -105.0, -58.0,   2   12.2, 452.6, 713.8, -96.6, -13.0,

3	12.2,	542.8,	687.7,	-85.2,	32.5,	4	12.2,	616.4,	640.8,	-71.3,	76.9,
5	12.2,	671.4,	574.3,	-55.2,	119.0,	6	12.2,	705.9,	490.5,	-37.5,	157.4,
7	12.2,	719.0,	391.7,	-18.6,	191.1,	8	12.2,	710.3,	281.0,	0.9,	219.0,
9	12.2,	700.7,	234.2,	-15.9,	240.2,	10	12.2,	718.2,	348.7,	-116.4,	254.1,
11	12.2,	713.8,	452.6,	-213.4,	260.3,	12	12.2,	687.7,	542.8,	-303.8,	258.6,
13	12.2,	640.8,	616.4,	-385.1,	249.1,	14	12.2,	574.3,	671.4,	-454.7,	231.9,
15	12.2,	490.5,	705.9,	-510.4,	207.8,	16	12.2,	391.7,	719.0,	-550.6,	177.3,
17	12.2,	281.0,	710.3,	-574.1,	141.4,	18	12.2,	234.2,	700.7,	-590.6,	101.2,
19	12.2,	348.7,	718.2,	-613.2,	58.0,	20	12.2,	452.6,	713.8,	-617.2,	13.0,
21	12.2,	542.8,	687.7,	-602.5,	-32.5,	22	12.2,	616.4,	640.8,	-569.4,	-76.9,
23	12.2,	671.4,	574.3,	-519.1,	-119.0,	24	12.2,	705.9,	490.5,	-453.0,	-157.4,
25	12.2,	719.0,	391.7,	-373.1,	-191.1,	26	12.2,	710.3,	281.0,	-281.9,	-219.0,
27	12.2,	700.7,	234.2,	-218.3,	-240.2,	28	12.2,	718.2,	348.7,	-232.3,	-254.1,
29	12.2,	713.8,	452.6,	-239.2,	-260.3,	30	12.2,	687.7,	542.8,	-238.9,	-258.6,
31	12.2,	640.8,	616.4,	-231.4,	-249.1,	32	12.2,	574.3,	671.4,	-216.7,	-231.9,
33	12.2,	490.5,	705.9,	-195.6,	-207.8,	34	12.2,	391.7,	719.0,	-168.4,	-177.3,
35	12.2,	281.0,	710.3,	-136.2,	-141.4,	36	12.2,	234.2,	700.7,	-110.1,	-101.2,

SOURCE ID: ICIC1_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-278.5,	-98.4,	2	12.2,	452.6,	713.8,	-260.4,	-82.9,
3	12.2,	542.8,	687.7,	-234.5,	-64.9,	4	12.2,	616.4,	640.8,	-201.4,	-44.9,
5	12.2,	671.4,	574.3,	-162.2,	-23.6,	6	12.2,	705.9,	490.5,	-118.0,	-1.5,
7	12.2,	719.0,	391.7,	-70.3,	20.6,	8	12.2,	710.3,	281.0,	-20.5,	42.1,
9	12.2,	700.7,	234.2,	-6.2,	62.3,	10	12.2,	718.2,	348.7,	-75.9,	80.6,
11	12.2,	713.8,	452.6,	-143.4,	96.5,	12	12.2,	687.7,	542.8,	-206.5,	109.4,
13	12.2,	640.8,	616.4,	-263.3,	119.0,	14	12.2,	574.3,	671.4,	-312.1,	125.0,
15	12.2,	490.5,	705.9,	-351.5,	127.2,	16	12.2,	391.7,	719.0,	-380.1,	125.5,
17	12.2,	281.0,	710.3,	-397.2,	120.0,	18	12.2,	234.2,	700.7,	-412.7,	110.9,
19	12.2,	348.7,	718.2,	-439.7,	98.4,	20	12.2,	452.6,	713.8,	-453.4,	82.9,
21	12.2,	542.8,	687.7,	-453.3,	64.9,	22	12.2,	616.4,	640.8,	-439.4,	44.9,
23	12.2,	671.4,	574.3,	-412.2,	23.6,	24	12.2,	705.9,	490.5,	-372.4,	1.5,
25	12.2,	719.0,	391.7,	-321.4,	-20.6,	26	12.2,	710.3,	281.0,	-260.5,	-42.1,
27	12.2,	700.7,	234.2,	-228.0,	-62.3,	28	12.2,	718.2,	348.7,	-272.7,	-80.6,
29	12.2,	713.8,	452.6,	-309.2,	-96.5,	30	12.2,	687.7,	542.8,	-336.3,	-109.4,
31	12.2,	640.8,	616.4,	-353.1,	-119.0,	32	12.2,	574.3,	671.4,	-359.3,	-125.0,
33	12.2,	490.5,	705.9,	-354.5,	-127.2,	34	12.2,	391.7,	719.0,	-338.9,	-125.5,
35	12.2,	281.0,	710.3,	-313.1,	-120.0,	36	12.2,	234.2,	700.7,	-288.1,	-110.9,

SOURCE ID: ICIC1_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-436.6,	-132.9,	2	12.2,	452.6,	713.8,	-410.2,	-144.3,
3	12.2,	542.8,	687.7,	-371.3,	-151.4,	4	12.2,	616.4,	640.8,	-321.1,	-153.8,
5	12.2,	671.4,	574.3,	-261.2,	-151.6,	6	12.2,	705.9,	490.5,	-193.3,	-144.8,
7	12.2,	719.0,	391.7,	-119.6,	-133.6,	8	12.2,	710.3,	281.0,	-42.2,	-118.3,
9	12.2,	700.7,	234.2,	0.3,	-99.5,	10	12.2,	718.2,	348.7,	-41.5,	-77.6,
11	12.2,	713.8,	452.6,	-82.0,	-53.3,	12	12.2,	687.7,	542.8,	-120.0,	-27.4,
13	12.2,	640.8,	616.4,	-154.4,	-0.7,	14	12.2,	574.3,	671.4,	-184.1,	26.0,
15	12.2,	490.5,	705.9,	-208.2,	51.9,	16	12.2,	391.7,	719.0,	-225.9,	76.3,
17	12.2,	281.0,	710.3,	-236.8,	98.3,	18	12.2,	234.2,	700.7,	-250.9,	117.4,
19	12.2,	348.7,	718.2,	-281.5,	132.9,	20	12.2,	452.6,	713.8,	-303.6,	144.3,
21	12.2,	542.8,	687.7,	-316.4,	151.4,	22	12.2,	616.4,	640.8,	-319.7,	153.8,
23	12.2,	671.4,	574.3,	-313.2,	151.6,	24	12.2,	705.9,	490.5,	-297.2,	144.8,
25	12.2,	719.0,	391.7,	-272.1,	133.6,	26	12.2,	710.3,	281.0,	-238.8,	118.3,
27	12.2,	700.7,	234.2,	-234.5,	99.5,	28	12.2,	718.2,	348.7,	-307.2,	77.6,
29	12.2,	713.8,	452.6,	-370.6,	53.3,	30	12.2,	687.7,	542.8,	-422.8,	27.4,
31	12.2,	640.8,	616.4,	-462.1,	0.7,	32	12.2,	574.3,	671.4,	-487.3,	-26.0,
33	12.2,	490.5,	705.9,	-497.8,	-51.9,	34	12.2,	391.7,	719.0,	-493.1,	-76.3,
35	12.2,	281.0,	710.3,	-473.5,	-98.3,	36	12.2,	234.2,	700.7,	-449.8,	-117.4,

SOURCE ID: ICIC1_4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-584.7,	-168.8,	2	12.2,	452.6,	713.8,	-549.8,	-205.4,
3	12.2,	542.8,	687.7,	-498.1,	-235.8,	4	12.2,	616.4,	640.8,	-431.4,	-259.0,
5	12.2,	671.4,	574.3,	-351.5,	-274.3,	6	12.2,	705.9,	490.5,	-260.9,	-281.3,
7	12.2,	719.0,	391.7,	-162.4,	-279.8,	8	12.2,	710.3,	281.0,	-59.0,	-269.7,
9	12.2,	700.7,	234.2,	10.0,	-251.5,	10	12.2,	718.2,	348.7,	-5.5,	-225.6,
11	12.2,	713.8,	452.6,	-20.9,	-192.9,	12	12.2,	687.7,	542.8,	-35.6,	-154.2,
13	12.2,	640.8,	616.4,	-49.2,	-111.0,	14	12.2,	574.3,	671.4,	-61.3,	-64.3,
15	12.2,	490.5,	705.9,	-71.6,	-15.7,	16	12.2,	391.7,	719.0,	-79.7,	33.4,
17	12.2,	281.0,	710.3,	-85.4,	81.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	348.7,	718.2,	-133.5,	168.8,	20	12.2,	452.6,	713.8,	-164.0,	205.4,
21	12.2,	542.8,	687.7,	-189.6,	235.8,	22	12.2,	616.4,	640.8,	-209.4,	259.0,
23	12.2,	671.4,	574.3,	-222.9,	274.3,	24	12.2,	705.9,	490.5,	-229.6,	281.3,
25	12.2,	719.0,	391.7,	-229.2,	279.8,	26	12.2,	710.3,	281.0,	-222.0,	269.7,
27	12.2,	700.7,	234.2,	-244.2,	251.5,	28	12.2,	718.2,	348.7,	-343.2,	225.6,
29	12.2,	713.8,	452.6,	-431.7,	192.9,	30	12.2,	687.7,	542.8,	-507.2,	154.2,
31	12.2,	640.8,	616.4,	-567.2,	111.0,	32	12.2,	574.3,	671.4,	-610.0,	64.3,
33	12.2,	490.5,	705.9,	-634.3,	15.7,	34	12.2,	391.7,	719.0,	-639.3,	-33.4,
35	12.2,	281.0,	710.3,	-624.9,	-81.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC2_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-40.7,	-81.3,	2	12.2,	367.4,	519.6,	-34.5,	-42.8,
3	12.2,	425.6,	513.2,	-27.4,	-3.1,	4	12.2,	470.9,	491.3,	-19.4,	36.8,
5	12.2,	501.9,	454.5,	-10.8,	75.5,	6	12.2,	517.7,	403.8,	-1.8,	112.0,
7	12.2,	517.7,	340.9,	7.2,	145.0,	8	12.2,	501.9,	267.6,	15.9,	173.6,
9	12.2,	485.2,	219.6,	7.5,	197.0,	10	12.2,	510.1,	298.0,	-67.7,	214.4,
11	12.2,	519.6,	367.4,	-140.9,	225.2,	12	12.2,	513.2,	425.6,	-209.7,	229.2,
13	12.2,	491.3,	470.9,	-272.2,	226.3,	14	12.2,	454.5,	501.9,	-326.5,	216.5,
15	12.2,	403.8,	517.7,	-370.8,	200.1,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-469.4,	81.3,	20	12.2,	367.4,	519.6,	-485.0,	42.8,
21	12.2,	425.6,	513.2,	-485.9,	3.1,	22	12.2,	470.9,	491.3,	-472.0,	-36.8,
23	12.2,	501.9,	454.5,	-443.7,	-75.5,	24	12.2,	517.7,	403.8,	-402.0,	-112.0,

25	12.2,	517.7,	340.9,	-348.0,	-145.0,	26	12.2,	501.9,	267.6,	-283.5,	-173.6,
27	12.2,	485.2,	219.6,	-227.1,	-197.0,	28	12.2,	510.1,	298.0,	-230.3,	-214.4,
29	12.2,	519.6,	367.4,	-226.6,	-225.2,	30	12.2,	513.2,	425.6,	-215.9,	-229.2,
31	12.2,	491.3,	470.9,	-198.7,	-226.3,	32	12.2,	454.5,	501.9,	-175.5,	-216.5,
33	12.2,	403.8,	517.7,	-146.9,	-200.1,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-176.0,	-115.0,	2	12.2,	367.4,	519.6,	-161.9,	-99.5,
3	12.2,	425.6,	513.2,	-143.0,	-81.0,	4	12.2,	470.9,	491.3,	-119.7,	-60.1,
5	12.2,	501.9,	454.5,	-92.7,	-37.3,	6	12.2,	517.7,	403.8,	-63.0,	-13.4,
7	12.2,	517.7,	340.9,	-31.3,	11.0,	8	12.2,	501.9,	267.6,	1.3,	35.0,
9	12.2,	485.2,	219.6,	17.2,	57.9,	10	12.2,	510.1,	298.0,	-34.0,	79.1,
11	12.2,	519.6,	367.4,	-84.2,	97.8,	12	12.2,	513.2,	425.6,	-131.8,	113.6,
13	12.2,	491.3,	470.9,	-175.4,	126.0,	14	12.2,	454.5,	501.9,	-213.7,	134.5,
15	12.2,	403.8,	517.7,	-245.5,	138.9,	16	12.2,	340.9,	517.7,	-269.8,	139.1,
17	12.2,	267.6,	501.9,	-285.9,	135.1,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-334.1,	115.0,	20	12.2,	367.4,	519.6,	-357.6,	99.5,
21	12.2,	425.6,	513.2,	-370.3,	81.0,	22	12.2,	470.9,	491.3,	-371.7,	60.1,
23	12.2,	501.9,	454.5,	-361.7,	37.3,	24	12.2,	517.7,	403.8,	-340.8,	13.4,
25	12.2,	517.7,	340.9,	-309.6,	-11.0,	26	12.2,	501.9,	267.6,	-268.9,	-35.0,
27	12.2,	485.2,	219.6,	-236.8,	-57.9,	28	12.2,	510.1,	298.0,	-264.0,	-79.1,
29	12.2,	519.6,	367.4,	-283.2,	-97.8,	30	12.2,	513.2,	425.6,	-293.9,	-113.6,
31	12.2,	491.3,	470.9,	-295.5,	-126.0,	32	12.2,	454.5,	501.9,	-288.2,	-134.5,
33	12.2,	403.8,	517.7,	-272.2,	-138.9,	34	12.2,	340.9,	517.7,	-247.9,	-139.1,
35	12.2,	267.6,	501.9,	-216.0,	-135.1,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-315.0,	-146.1,	2	12.2,	367.4,	519.6,	-293.5,	-154.3,
3	12.2,	425.6,	513.2,	-263.0,	-157.8,	4	12.2,	470.9,	491.3,	-224.6,	-156.5,
5	12.2,	501.9,	454.5,	-179.3,	-150.5,	6	12.2,	517.7,	403.8,	-128.5,	-139.9,
7	12.2,	517.7,	340.9,	-73.9,	-125.0,	8	12.2,	501.9,	267.6,	-17.0,	-106.3,
9	12.2,	485.2,	219.6,	23.7,	-84.4,	10	12.2,	510.1,	298.0,	-2.9,	-60.0,
11	12.2,	519.6,	367.4,	-29.4,	-33.7,	12	12.2,	513.2,	425.6,	-55.0,	-6.4,
13	12.2,	491.3,	470.9,	-79.0,	21.1,	14	12.2,	454.5,	501.9,	-100.5,	48.0,
15	12.2,	403.8,	517.7,	-119.0,	73.4,	16	12.2,	340.9,	517.7,	-133.9,	96.5,
17	12.2,	267.6,	501.9,	-144.7,	116.8,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-195.1,	146.1,	20	12.2,	367.4,	519.6,	-226.1,	154.3,
21	12.2,	425.6,	513.2,	-250.2,	157.8,	22	12.2,	470.9,	491.3,	-266.8,	156.5,
23	12.2,	501.9,	454.5,	-275.2,	150.5,	24	12.2,	517.7,	403.8,	-275.3,	139.9,
25	12.2,	517.7,	340.9,	-267.0,	125.0,	26	12.2,	501.9,	267.6,	-250.6,	106.3,
27	12.2,	485.2,	219.6,	-243.3,	84.4,	28	12.2,	510.1,	298.0,	-295.1,	60.0,
29	12.2,	519.6,	367.4,	-338.0,	33.7,	30	12.2,	513.2,	425.6,	-370.6,	6.4,
31	12.2,	491.3,	470.9,	-392.0,	-21.1,	32	12.2,	454.5,	501.9,	-401.4,	-48.0,
33	12.2,	403.8,	517.7,	-398.7,	-73.4,	34	12.2,	340.9,	517.7,	-383.8,	-96.5,
35	12.2,	267.6,	501.9,	-357.3,	-116.8,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	12.2,	425.6,	513.2,	-359.4,	-217.2,	4	12.2,	470.9,	491.3,	-309.2,	-231.8,
5	12.2,	501.9,	454.5,	-249.6,	-239.3,	6	12.2,	517.7,	403.8,	-182.3,	-239.5,
7	12.2,	517.7,	340.9,	-109.6,	-232.5,	8	12.2,	501.9,	267.6,	-33.5,	-218.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	510.1,	298.0,	19.9,	-170.9,
11	12.2,	519.6,	367.4,	12.4,	-139.0,	12	12.2,	513.2,	425.6,	4.4,	-102.8,
13	12.2,	491.3,	470.9,	-3.7,	-63.5,	14	12.2,	454.5,	501.9,	-11.7,	-22.3,
15	12.2,	403.8,	517.7,	-19.3,	19.6,	16	12.2,	340.9,	517.7,	-26.4,	60.9,
17	12.2,	267.6,	501.9,	-32.6,	100.3,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	12.2,	425.6,	513.2,	-153.8,	217.2,	22	12.2,	470.9,	491.3,	-182.1,	231.8,
23	12.2,	501.9,	454.5,	-204.9,	239.3,	24	12.2,	517.7,	403.8,	-221.5,	239.5,
25	12.2,	517.7,	340.9,	-231.3,	232.5,	26	12.2,	501.9,	267.6,	-234.1,	218.4,
27	12.2,	485.2,	219.6,	-246.5,	197.7,	28	12.2,	510.1,	298.0,	-318.0,	170.9,
29	12.2,	519.6,	367.4,	-379.8,	139.0,	30	12.2,	513.2,	425.6,	-430.0,	102.8,
31	12.2,	491.3,	470.9,	-467.2,	63.5,	32	12.2,	454.5,	501.9,	-490.2,	22.3,
33	12.2,	403.8,	517.7,	-498.4,	-19.6,	34	12.2,	340.9,	517.7,	-491.3,	-60.9,
35	12.2,	267.6,	501.9,	-469.4,	-100.3,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC3_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-54.8,	48.0,	2	12.2,	161.6,	265.9,	-62.6,	61.1,
3	12.2,	196.5,	254.5,	-68.6,	72.4,	4	12.2,	225.5,	235.2,	-72.5,	81.5,
5	12.2,	247.7,	208.9,	-74.1,	88.1,	6	12.2,	262.3,	176.2,	-73.5,	92.0,
7	12.2,	268.9,	138.1,	-70.7,	93.2,	8	12.2,	267.4,	95.9,	-65.7,	91.5,
9	12.2,	264.5,	78.1,	-72.5,	87.0,	10	12.2,	269.3,	121.7,	-108.8,	79.9,
11	12.2,	265.9,	161.6,	-141.9,	70.3,	12	12.2,	254.5,	196.5,	-170.7,	58.6,
13	12.2,	235.2,	225.5,	-194.3,	45.2,	14	12.2,	208.9,	247.7,	-212.0,	30.3,
15	12.2,	176.2,	262.3,	-223.2,	14.6,	16	12.2,	138.1,	268.9,	-227.7,	-1.6,
17	12.2,	95.9,	267.4,	-225.2,	-17.8,	18	12.2,	78.1,	264.5,	-219.3,	-33.4,
19	12.2,	121.7,	269.3,	-214.5,	-48.0,	20	12.2,	161.6,	265.9,	-203.3,	-61.1,
21	12.2,	196.5,	254.5,	-185.9,	-72.4,	22	12.2,	225.5,	235.2,	-162.8,	-81.5,
23	12.2,	247.7,	208.9,	-134.8,	-88.1,	24	12.2,	262.3,	176.2,	-102.7,	-92.0,
25	12.2,	268.9,	138.1,	-67.4,	-93.2,	26	12.2,	267.4,	95.9,	-30.1,	-91.5,
27	12.2,	264.5,	78.1,	-5.6,	-87.0,	28	12.2,	269.3,	121.7,	-12.8,	-79.9,
29	12.2,	265.9,	161.6,	-19.6,	-70.3,	30	12.2,	254.5,	196.5,	-25.8,	-58.6,
31	12.2,	235.2,	225.5,	-31.2,	-45.2,	32	12.2,	208.9,	247.7,	-35.7,	-30.3,
33	12.2,	176.2,	262.3,	-39.1,	-14.6,	34	12.2,	138.1,	268.9,	-41.3,	1.6,
35	12.2,	95.9,	267.4,	-42.2,	17.8,	36	12.2,	78.1,	264.5,	-45.3,	33.4,

SOURCE ID: ICIC3_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-146.0,	25.4,	2	12.2,	161.6,	265.9,	-148.6,	23.0,

3	12.2,	196.5,	254.5,	-146.6,	19.9,	4	12.2,	225.5,	235.2,	-140.2,	16.3,
5	12.2,	247.7,	208.9,	-129.5,	12.1,	6	12.2,	262.3,	176.2,	-114.8,	7.6,
7	12.2,	268.9,	138.1,	-96.7,	2.8,	8	12.2,	267.4,	95.9,	-75.7,	-2.0,
9	12.2,	264.5,	78.1,	-66.0,	-6.8,	10	12.2,	269.3,	121.7,	-86.2,	-11.4,
11	12.2,	265.9,	161.6,	-103.8,	-15.6,	12	12.2,	254.5,	196.5,	-118.2,	-19.4,
13	12.2,	235.2,	225.5,	-129.0,	-22.5,	14	12.2,	208.9,	247.7,	-135.9,	-25.0,
15	12.2,	176.2,	262.3,	-138.7,	-26.7,	16	12.2,	138.1,	268.9,	-137.3,	-27.7,
17	12.2,	95.9,	267.4,	-131.7,	-27.7,	18	12.2,	78.1,	264.5,	-125.5,	-26.9,
19	12.2,	121.7,	269.3,	-123.3,	-25.4,	20	12.2,	161.6,	265.9,	-117.3,	-23.0,
21	12.2,	196.5,	254.5,	-107.8,	-19.9,	22	12.2,	225.5,	235.2,	-95.1,	-16.3,
23	12.2,	247.7,	208.9,	-79.4,	-12.1,	24	12.2,	262.3,	176.2,	-61.4,	-7.6,
25	12.2,	268.9,	138.1,	-41.4,	-2.8,	26	12.2,	267.4,	95.9,	-20.2,	2.0,
27	12.2,	264.5,	78.1,	-12.1,	6.8,	28	12.2,	269.3,	121.7,	-35.5,	11.4,
29	12.2,	265.9,	161.6,	-57.8,	15.6,	30	12.2,	254.5,	196.5,	-78.3,	19.4,
31	12.2,	235.2,	225.5,	-96.5,	22.5,	32	12.2,	208.9,	247.7,	-111.7,	25.0,
33	12.2,	176.2,	262.3,	-123.6,	26.7,	34	12.2,	138.1,	268.9,	-131.7,	27.7,
35	12.2,	95.9,	267.4,	-135.7,	27.7,	36	12.2,	78.1,	264.5,	-139.1,	26.9,

SOURCE ID: ICIC3_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-239.0,	12.2,	2	12.2,	161.6,	265.9,	-237.8,	-6.1,
3	12.2,	196.5,	254.5,	-229.5,	-24.2,	4	12.2,	225.5,	235.2,	-214.1,	-41.6,
5	12.2,	247.7,	208.9,	-192.2,	-57.7,	6	12.2,	262.3,	176.2,	-164.5,	-72.0,
7	12.2,	268.9,	138.1,	-131.8,	-84.2,	8	12.2,	267.4,	95.9,	-95.1,	-93.8,
9	12.2,	264.5,	78.1,	-69.2,	-100.6,	10	12.2,	269.3,	121.7,	-73.1,	-104.3,
11	12.2,	265.9,	161.6,	-74.7,	-104.9,	12	12.2,	254.5,	196.5,	-74.1,	-102.2,
13	12.2,	235.2,	225.5,	-71.2,	-96.5,	14	12.2,	208.9,	247.7,	-66.1,	-87.8,
15	12.2,	176.2,	262.3,	-59.1,	-76.4,	16	12.2,	138.1,	268.9,	-50.2,	-62.8,
17	12.2,	95.9,	267.4,	-39.9,	-47.2,	18	12.2,	78.1,	264.5,	-31.6,	-30.2,
19	12.2,	121.7,	269.3,	-30.3,	-12.2,	20	12.2,	161.6,	265.9,	-28.1,	6.1,
21	12.2,	196.5,	254.5,	-25.0,	24.2,	22	12.2,	225.5,	235.2,	-21.2,	41.6,
23	12.2,	247.7,	208.9,	-16.7,	57.7,	24	12.2,	262.3,	176.2,	-11.7,	72.0,
25	12.2,	268.9,	138.1,	-6.3,	84.2,	26	12.2,	267.4,	95.9,	-0.8,	93.8,
27	12.2,	264.5,	78.1,	-8.9,	100.6,	28	12.2,	269.3,	121.7,	-48.6,	104.3,
29	12.2,	265.9,	161.6,	-86.8,	104.9,	30	12.2,	254.5,	196.5,	-122.4,	102.2,
31	12.2,	235.2,	225.5,	-154.3,	96.5,	32	12.2,	208.9,	247.7,	-181.5,	87.8,
33	12.2,	176.2,	262.3,	-203.2,	76.4,	34	12.2,	138.1,	268.9,	-218.7,	62.8,
35	12.2,	95.9,	267.4,	-227.6,	47.2,	36	12.2,	78.1,	264.5,	-232.9,	30.2,

SOURCE ID: ICIC4_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	151.9,	261.4,	-41.7,	-54.6,	2	12.2,	187.5,	266.1,	-35.9,	-38.4,
3	12.2,	217.5,	262.7,	-29.0,	-20.9,	4	12.2,	240.8,	251.3,	-21.3,	-2.8,
5	12.2,	256.8,	232.3,	-12.9,	15.3,	6	12.2,	265.0,	206.2,	-4.0,	33.0,
7	12.2,	265.2,	173.9,	4.9,	49.8,	8	12.2,	257.3,	136.2,	13.7,	64.9,
9	12.2,	248.8,	111.6,	13.5,	78.1,	10	12.2,	261.4,	151.9,	-21.3,	89.0,
11	12.2,	266.1,	187.5,	-55.4,	97.1,	12	12.2,	262.7,	217.5,	-87.8,	102.3,
13	12.2,	251.3,	240.8,	-117.6,	104.4,	14	12.2,	232.3,	256.8,	-143.8,	103.3,
15	12.2,	206.2,	265.0,	-165.6,	99.1,	16	12.2,	173.9,	265.2,	-182.4,	91.8,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	151.9,	261.4,	-219.7,	54.6,	20	12.2,	187.5,	266.1,	-230.2,	38.4,
21	12.2,	217.5,	262.7,	-233.7,	20.9,	22	12.2,	240.8,	251.3,	-230.1,	2.8,
23	12.2,	256.8,	232.3,	-219.5,	-15.3,	24	12.2,	265.0,	206.2,	-202.2,	-33.0,
25	12.2,	265.2,	173.9,	-178.8,	-49.8,	26	12.2,	257.3,	136.2,	-149.9,	-64.9,
27	12.2,	248.8,	111.6,	-125.1,	-78.1,	28	12.2,	261.4,	151.9,	-130.6,	-89.0,
29	12.2,	266.1,	187.5,	-132.1,	-97.1,	30	12.2,	262.7,	217.5,	-129.6,	-102.3,
31	12.2,	251.3,	240.8,	-123.2,	-104.4,	32	12.2,	232.3,	256.8,	-113.1,	-103.3,
33	12.2,	206.2,	265.0,	-99.5,	-99.1,	34	12.2,	173.9,	265.2,	-82.9,	-91.8,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC4_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	151.9,	261.4,	-120.2,	-75.1,	2	12.2,	187.5,	266.1,	-109.7,	-72.1,
3	12.2,	217.5,	262.7,	-95.8,	-67.0,	4	12.2,	240.8,	251.3,	-79.1,	-59.8,
5	12.2,	256.8,	232.3,	-59.9,	-50.8,	6	12.2,	265.0,	206.2,	-38.9,	-40.2,
7	12.2,	265.2,	173.9,	-16.7,	-28.5,	8	12.2,	257.3,	136.2,	6.0,	-15.8,
9	12.2,	248.8,	111.6,	19.9,	-2.7,	10	12.2,	261.4,	151.9,	-0.9,	10.5,
11	12.2,	266.1,	187.5,	-21.7,	23.4,	12	12.2,	262.7,	217.5,	-41.8,	35.5,
13	12.2,	251.3,	240.8,	-60.6,	46.6,	14	12.2,	232.3,	256.8,	-77.6,	56.3,
15	12.2,	206.2,	265.0,	-92.3,	64.2,	16	12.2,	173.9,	265.2,	-104.1,	70.2,
17	12.2,	136.2,	257.3,	-112.8,	74.1,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	151.9,	261.4,	-141.2,	75.1,	20	12.2,	187.5,	266.1,	-156.4,	72.1,
21	12.2,	217.5,	262.7,	-166.9,	67.0,	22	12.2,	240.8,	251.3,	-172.3,	59.8,
23	12.2,	256.8,	232.3,	-172.4,	50.8,	24	12.2,	265.0,	206.2,	-167.3,	40.2,
25	12.2,	265.2,	173.9,	-157.2,	28.5,	26	12.2,	257.3,	136.2,	-142.2,	15.8,
27	12.2,	248.8,	111.6,	-131.5,	2.7,	28	12.2,	261.4,	151.9,	-151.0,	-10.5,
29	12.2,	266.1,	187.5,	-165.9,	-23.4,	30	12.2,	262.7,	217.5,	-175.7,	-35.5,
31	12.2,	251.3,	240.8,	-180.2,	-46.6,	32	12.2,	232.3,	256.8,	-179.2,	-56.3,
33	12.2,	206.2,	265.0,	-172.7,	-64.2,	34	12.2,	173.9,	265.2,	-161.1,	-70.2,
35	12.2,	136.2,	257.3,	-144.5,	-74.1,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC4_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-246.9,	75.8,	2	12.2,	204.1,	274.4,	-261.2,	55.1,
3	12.2,	232.9,	271.9,	-267.7,	32.8,	4	12.2,	240.8,	251.3,	-146.4,	-120.5,
5	12.2,	256.8,	232.3,	-115.6,	-122.2,	6	12.2,	265.0,	206.2,	-81.4,	-120.3,
7	12.2,	265.2,	173.9,	-44.6,	-114.7,	8	12.2,	257.3,	136.2,	-6.5,	-105.6,
9	12.2,	248.8,	111.6,	23.2,	-93.3,	10	12.2,	261.4,	151.9,	18.0,	-78.2,
11	12.2,	266.1,	187.5,	12.4,	-60.6,	12	12.2,	262.7,	217.5,	6.3,	-41.3,
13	12.2,	251.3,	240.8,	0.1,	-20.7,	14	12.2,	232.3,	256.8,	-6.2,	0.5,
15	12.2,	206.2,	265.0,	-12.2,	21.8,	16	12.2,	173.9,	265.2,	-17.9,	42.3,
17	12.2,	136.2,	257.3,	-23.1,	61.6,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-21.8,	-75.8,	20	12.2,	204.1,	274.4,	-13.2,	-55.1,
21	12.2,	232.9,	271.9,	-4.3,	-32.8,	22	12.2,	240.8,	251.3,	-105.0,	120.5,
23	12.2,	256.8,	232.3,	-116.7,	122.2,	24	12.2,	265.0,	206.2,	-124.9,	120.3,

25	12.2,	265.2,	173.9,	-129.2,	114.7,	26	12.2,	257.3,	136.2,	-129.7,	105.6,
27	12.2,	248.8,	111.6,	-134.8,	93.3,	28	12.2,	261.4,	151.9,	-169.9,	78.2,
29	12.2,	266.1,	187.5,	-199.9,	60.6,	30	12.2,	262.7,	217.5,	-223.8,	41.3,
31	12.2,	251.3,	240.8,	-240.9,	20.7,	32	12.2,	232.3,	256.8,	-250.6,	-0.5,
33	12.2,	206.2,	265.0,	-252.8,	-21.8,	34	12.2,	173.9,	265.2,	-247.3,	-42.3,
35	12.2,	136.2,	257.3,	-234.2,	-61.6,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC5_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-24.3,	-68.8,	2	12.2,	204.1,	274.4,	-16.9,	-48.7,
3	12.2,	232.9,	271.9,	-9.0,	-27.1,	4	12.2,	254.7,	261.2,	-0.9,	-4.6,
5	12.2,	268.6,	242.5,	7.3,	18.0,	6	12.2,	274.4,	216.4,	15.3,	40.0,
7	12.2,	271.9,	183.8,	22.8,	60.9,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	12.2,	254.6,	129.0,	22.4,	96.4,	10	12.2,	268.6,	169.1,	-15.7,	110.0,
11	12.2,	274.4,	204.1,	-53.4,	120.3,	12	12.2,	271.9,	232.9,	-89.4,	127.0,
13	12.2,	261.2,	254.7,	-122.7,	129.7,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-244.3,	68.8,	20	12.2,	204.1,	274.4,	-257.6,	48.7,
21	12.2,	232.9,	271.9,	-262.9,	27.1,	22	12.2,	254.7,	261.2,	-260.3,	4.6,
23	12.2,	268.6,	242.5,	-249.8,	-18.0,	24	12.2,	274.4,	216.4,	-231.7,	-40.0,
25	12.2,	271.9,	183.8,	-206.6,	-60.9,	26	12.2,	261.2,	145.6,	-175.1,	-79.9,
27	12.2,	254.6,	129.0,	-151.4,	-96.4,	28	12.2,	268.6,	169.1,	-153.4,	-110.0,
29	12.2,	274.4,	204.1,	-150.8,	-120.3,	30	12.2,	271.9,	232.9,	-143.5,	-127.0,
31	12.2,	261.2,	254.7,	-131.9,	-129.7,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC5_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-96.4,	-88.1,	2	12.2,	204.1,	274.4,	-84.6,	-80.2,
3	12.2,	232.9,	271.9,	-70.2,	-69.9,	4	12.2,	254.7,	261.2,	-53.7,	-57.4,
5	12.2,	268.6,	242.5,	-35.6,	-43.2,	6	12.2,	274.4,	216.4,	-16.3,	-27.6,
7	12.2,	271.9,	183.8,	3.4,	-11.3,	8	12.2,	261.2,	145.6,	23.0,	5.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	268.6,	169.1,	3.6,	37.9,
11	12.2,	274.4,	204.1,	-21.8,	52.6,	12	12.2,	271.9,	232.9,	-46.6,	65.8,
13	12.2,	261.2,	254.7,	-69.9,	76.9,	14	12.2,	242.5,	268.6,	-91.1,	85.7,
15	12.2,	216.4,	274.4,	-109.6,	91.9,	16	12.2,	183.8,	271.9,	-124.7,	95.3,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-172.2,	88.1,	20	12.2,	204.1,	274.4,	-189.8,	80.2,
21	12.2,	232.9,	271.9,	-201.7,	69.9,	22	12.2,	254.7,	261.2,	-207.5,	57.4,
23	12.2,	268.6,	242.5,	-206.9,	43.2,	24	12.2,	274.4,	216.4,	-200.1,	27.6,
25	12.2,	271.9,	183.8,	-187.2,	11.3,	26	12.2,	261.2,	145.6,	-168.6,	-5.5,
27	12.2,	254.6,	129.0,	-157.9,	-22.0,	28	12.2,	268.6,	169.1,	-172.7,	-37.9,
29	12.2,	274.4,	204.1,	-182.3,	-52.6,	30	12.2,	271.9,	232.9,	-186.3,	-65.8,
31	12.2,	261.2,	254.7,	-184.7,	-76.9,	32	12.2,	242.5,	268.6,	-177.5,	-85.7,
33	12.2,	216.4,	274.4,	-164.9,	-91.9,	34	12.2,	183.8,	271.9,	-147.2,	-95.3,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC5_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	12.2,	232.9,	271.9,	-151.5,	-116.8,	4	12.2,	254.7,	261.2,	-125.6,	-117.7,
5	12.2,	268.6,	242.5,	-95.9,	-115.0,	6	12.2,	274.4,	216.4,	-63.2,	-108.9,
7	12.2,	271.9,	183.8,	-28.7,	-99.4,	8	12.2,	261.2,	145.6,	6.7,	-86.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	268.6,	169.1,	19.9,	-54.5,
11	12.2,	274.4,	204.1,	10.2,	-35.5,	12	12.2,	271.9,	232.9,	0.3,	-15.5,
13	12.2,	261.2,	254.7,	-9.6,	5.0,	14	12.2,	242.5,	268.6,	-19.3,	25.4,
15	12.2,	216.4,	274.4,	-28.4,	45.0,	16	12.2,	183.8,	271.9,	-36.5,	63.2,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	12.2,	232.9,	271.9,	-120.5,	116.8,	22	12.2,	254.7,	261.2,	-135.6,	117.7,
23	12.2,	268.6,	242.5,	-146.6,	115.0,	24	12.2,	274.4,	216.4,	-153.2,	108.9,
25	12.2,	271.9,	183.8,	-155.1,	99.4,	26	12.2,	261.2,	145.6,	-152.3,	86.9,
27	12.2,	254.6,	129.0,	-157.9,	71.8,	28	12.2,	268.6,	169.1,	-189.0,	54.5,
29	12.2,	274.4,	204.1,	-214.4,	35.5,	30	12.2,	271.9,	232.9,	-233.2,	15.5,
31	12.2,	261.2,	254.7,	-245.0,	-5.0,	32	12.2,	242.5,	268.6,	-249.4,	-25.4,
33	12.2,	216.4,	274.4,	-246.1,	-45.0,	34	12.2,	183.8,	271.9,	-235.4,	-63.2,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

653709.4, 653809.4, 653909.4, 654009.4, 654109.4, 654209.4, 654309.4, 654409.4, 654509.4, 654609.4,

*** Y-COORDINATES OF GRID ***
(METERS)

4187469.2, 4187569.2, 4187669.2, 4187769.2, 4187869.2, 4187969.2, 4188069.2, 4188169.2, 4188269.2, 4188369.2,
4188469.2, 4188569.2, 4188669.2, 4188769.2, 4188869.2, 4188969.2, 4189069.2, 4189169.2, 4189269.2, 4189369.2,
4189469.2, 4189569.2, 4189669.2, 4189769.2, 4189869.2, 4189969.2, 4190069.2, 4190169.2, 4190269.2, 4190369.2,
4190469.2, 4190569.2, 4190669.2, 4190769.2, 4190869.2, 4190969.2, 4191069.2, 4191169.2, 4191269.2, 4191369.2,
4191469.2, 4191569.2, 4191669.2, 4191769.2, 4191869.2,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4191869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

*** AERMOD - VERSION 09292 *** *** CenterPoint Intermodal Center - 2014 *** 07/22/10
*** Period Average DPM Concnetrations *** 16:21:25
PAGE 30

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4187869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

*** AERMOD - VERSION 09292 *** *** CenterPoint Intermodal Center - 2014 *** 07/22/10
*** Period Average DPM Concnetrations *** 16:21:25
PAGE 31

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 654609.43
4191869.21	1.50
4191769.21	1.50
4191669.21	1.50
4191569.21	1.50
4191469.21	1.50
4191369.21	1.50
4191269.21	1.50
4191169.21	1.50
4191069.21	1.50
4190969.21	1.50
4190869.21	1.50
4190769.21	1.50
4190669.21	1.50
4190569.21	1.50
4190469.21	1.50
4190369.21	1.50
4190269.21	1.50
4190169.21	1.50
4190069.21	1.50
4189969.21	1.50
4189869.21	1.50

```
4189769.21 |          1.50
4189669.21 |          1.50
4189569.21 |          1.50
4189469.21 |          1.50
4189369.21 |          1.50
4189269.21 |          1.50
4189169.21 |          1.50
4189069.21 |          1.50
4188969.21 |          1.50
4188869.21 |          1.50
4188769.21 |          1.50
4188669.21 |          1.50
4188569.21 |          1.50
4188469.21 |          1.50
4188369.21 |          1.50
4188269.21 |          1.50
4188169.21 |          1.50
4188069.21 |          1.50
4187969.21 |          1.50
```



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**MODELOPTs:  NonDFAULT CONC                        FLAT
    FLGPOL                  FASTALL                 NODRYDPLT NOWETDPLT

                        *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

                                 * RECEPTOR FLAGPOLE HEIGHTS IN METERS *

   Y-COORD  |                                        X-COORD (METERS)
   (METERS) |     654609.43
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

4187869.21 |          1.50
4187769.21 |          1.50
4187669.21 |          1.50
4187569.21 |          1.50
4187469.21 |          1.50
```



```
**MODELOPTs:  NonDFAULT CONC                        FLAT
    FLGPOL                  FASTALL                 NODRYDPLT NOWETDPLT

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

    ( 653704.1, 4188059.6,       8.0,       8.0,       1.5);         ( 653739.0, 4187982.7,       8.0,       8.0,       1.5);
    ( 653774.0, 4187974.0,       8.0,       8.0,       1.5);         ( 653809.0, 4187979.2,       8.0,       8.0,       1.5);
    ( 653716.3, 4188105.1,       8.0,       8.0,       1.5);         ( 653814.2, 4188038.6,       8.0,       8.0,       1.5);
    ( 653845.7, 4188094.6,       8.0,       8.0,       1.5);         ( 653913.8, 4187967.0,       8.0,       8.0,       1.5);
    ( 653857.9, 4187979.2,       8.0,       8.0,       1.5);         ( 653684.9, 4188140.0,       8.0,       8.0,       1.5);
    ( 653723.3, 4188183.7,       8.0,       8.0,       1.5);         ( 653782.7, 4187900.6,       8.0,       8.0,       1.5);
    ( 653788.0, 4187849.9,       8.0,       8.0,       1.5);         ( 653784.5, 4187807.9,       8.0,       8.0,       1.5);
    ( 653740.8, 4187794.0,       8.0,       8.0,       1.5);         ( 653693.6, 4187794.0,       8.0,       8.0,       1.5);
    ( 653611.5, 4187907.6,       8.0,       8.0,       1.5);         ( 653548.5, 4187912.8,       8.0,       8.0,       1.5);
    ( 653611.5, 4187849.9,       8.0,       8.0,       1.5);         ( 653459.4, 4187916.3,       8.0,       8.0,       1.5);
    ( 653391.2, 4187914.6,       8.0,       8.0,       1.5);         ( 653615.0, 4187785.2,       8.0,       8.0,       1.5);
    ( 653691.9, 4188389.9,       8.0,       8.0,       1.5);         ( 653681.4, 4188468.6,       8.0,       8.0,       1.5);
    ( 653672.6, 4188533.3,       8.0,       8.0,       1.5);         ( 653658.6, 4188639.9,       8.0,       8.0,       1.5);
    ( 653642.9, 4189129.2,       8.0,       8.0,       1.5);         ( 653646.4, 4189377.4,       8.0,       8.0,       1.5);
    ( 653639.4, 4189527.7,       8.0,       8.0,       1.5);         ( 653620.2, 4189735.7,       8.0,       8.0,       1.5);
    ( 653604.5, 4190029.3,       8.0,       8.0,       1.5);         ( 653629.2, 4190985.6,       8.0,       8.0,       1.5);
    ( 653634.4, 4191226.8,       8.0,       8.0,       1.5);         ( 653538.3, 4191464.5,       8.0,       8.0,       1.5);
    ( 653833.4, 4187890.5,       8.0,       8.0,       1.5);         ( 653873.3, 4187905.5,       8.0,       8.0,       1.5);
    ( 653913.2, 4187900.5,       8.0,       8.0,       1.5);
```



```
**MODELOPTs:  NonDFAULT CONC                        FLAT
    FLGPOL                  FASTALL                 NODRYDPLT NOWETDPLT

                                *** 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
                    METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2004   1  1  1
                                                     AND END DATE: 2008  12 31 24

               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,
```



```
**MODELOPTs:  NonDFAULT CONC                        FLAT
    FLGPOL                  FASTALL                 NODRYDPLT NOWETDPLT

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

  Surface file:   MetData\2004-2008.SFC                                          Met Version:  06341
  Profile file:   MetData\2004-2008.PFL
```

Surface format: FREE
Profile format: FREE
Surface station no.: 23237 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2004 Year: 2004

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
04	01	01	1	01	-15.7	0.278	-9.000	-9.000	-999.	337.	123.5	0.02	0.81	1.00	4.60	130.	10.0	282.0	2.0
04	01	01	1	02	-23.7	0.419	-9.000	-9.000	-999.	624.	280.8	0.02	0.81	1.00	6.70	140.	10.0	282.0	2.0
04	01	01	1	03	-29.3	0.518	-9.000	-9.000	-999.	857.	428.9	0.02	0.81	1.00	8.20	130.	10.0	282.0	2.0
04	01	01	1	04	-33.3	0.590	-9.000	-9.000	-999.	1041.	557.3	0.02	0.81	1.00	9.30	140.	10.0	282.5	2.0
04	01	01	1	05	-29.3	0.518	-9.000	-9.000	-999.	863.	428.9	0.02	0.81	1.00	8.20	150.	10.0	282.0	2.0
04	01	01	1	06	-31.5	0.557	-9.000	-9.000	-999.	956.	496.4	0.02	0.81	1.00	8.80	150.	10.0	282.0	2.0
04	01	01	1	07	-29.3	0.518	-9.000	-9.000	-999.	860.	428.9	0.02	0.81	1.00	8.20	160.	10.0	282.0	2.0
04	01	01	1	08	-38.8	0.688	-9.000	-9.000	-999.	1311.	757.6	0.02	0.81	0.73	10.80	140.	10.0	282.0	2.0
04	01	01	1	09	-16.0	0.757	-9.000	-9.000	-999.	1512.	2447.4	0.02	0.81	0.39	11.80	140.	10.0	282.0	2.0
04	01	01	1	10	7.1	0.799	0.275	0.008	106.	1639.	-6518.6	0.02	0.81	0.27	12.40	150.	10.0	282.0	2.0
04	01	01	1	11	15.0	0.665	0.419	0.005	177.	1269.	-1777.2	0.02	0.81	0.23	10.30	150.	10.0	282.0	2.0
04	01	01	1	12	19.3	0.762	0.523	0.007	268.	1526.	-2068.5	0.02	0.81	0.22	11.80	150.	10.0	282.0	2.0
04	01	01	1	13	19.8	0.762	0.584	0.007	361.	1529.	-2013.3	0.02	0.81	0.21	11.80	160.	10.0	282.0	2.0
04	01	01	1	14	16.5	0.437	0.586	0.005	439.	775.	-455.1	0.02	0.81	0.22	6.70	160.	10.0	282.0	2.0
04	01	01	1	15	9.6	0.530	0.505	0.005	485.	887.	-1404.6	0.02	0.81	0.26	8.20	160.	10.0	282.0	2.0
04	01	01	1	16	-0.7	0.463	-9.000	-9.000	-999.	729.	8888.0	0.02	0.81	0.35	7.20	150.	10.0	282.5	2.0
04	01	01	1	17	-34.4	0.340	-9.000	-9.000	-999.	466.	103.5	0.02	0.81	0.60	5.70	150.	10.0	282.0	2.0
04	01	01	1	18	-22.3	0.224	-9.000	-9.000	-999.	252.	45.8	0.02	0.81	1.00	4.10	140.	10.0	280.9	2.0
04	01	01	1	19	-17.7	0.312	-9.000	-9.000	-999.	401.	155.0	0.02	0.81	1.00	5.10	160.	10.0	280.9	2.0
04	01	01	1	20	-21.9	0.386	-9.000	-9.000	-999.	551.	237.1	0.02	0.81	1.00	6.20	160.	10.0	280.9	2.0
04	01	01	1	21	-23.6	0.350	-9.000	-9.000	-999.	476.	163.5	0.02	0.81	1.00	5.70	150.	10.0	280.9	2.0
04	01	01	1	22	-24.7	0.217	-9.000	-9.000	-999.	242.	37.5	0.02	0.81	1.00	4.10	160.	10.0	280.4	2.0
04	01	01	1	23	-11.3	0.100	-9.000	-9.000	-999.	81.	8.0	0.02	0.81	1.00	3.10	160.	10.0	279.2	2.0
04	01	01	1	24	-7.9	0.084	-9.000	-9.000	-999.	56.	6.7	0.02	0.81	1.00	2.60	150.	10.0	278.1	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
04	01	01	01	10.0	1	130.	4.60	282.1	99.0	-99.00	-99.00

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

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008885, L0008886, L0008887, L0008888, L0008889, L0008890, L0008891, L0008892, L0008893, L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900, L0008901, L0008902, L0008903, L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912, L0008913, L0008914, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4191869.21	0.00122	0.00114	0.00109	0.00108	0.00107	0.00105	0.00103	0.00104	0.00104
4191769.21	0.00138	0.00128	0.00126	0.00124	0.00123	0.00122	0.00121	0.00120	0.00118
4191669.21	0.00158	0.00150	0.00149	0.00147	0.00146	0.00144	0.00142	0.00141	0.00139
4191569.21	0.00188	0.00185	0.00180	0.00180	0.00178	0.00173	0.00170	0.00168	0.00165
4191469.21	0.00240	0.00233	0.00228	0.00226	0.00217	0.00212	0.00208	0.00202	0.00195
4191369.21	0.00325	0.00308	0.00300	0.00285	0.00273	0.00265	0.00254	0.00242	0.00232
4191269.21	0.00457	0.00423	0.00393	0.00365	0.00346	0.00325	0.00306	0.00293	0.00287
4191169.21	0.00638	0.00565	0.00506	0.00467	0.00428	0.00398	0.00378	0.00363	0.00342
4191069.21	0.00838	0.00721	0.00638	0.00571	0.00526	0.00490	0.00457	0.00420	0.00386
4190969.21	0.01048	0.00891	0.00784	0.00708	0.00641	0.00583	0.00530	0.00492	0.00463
4190869.21	0.01262	0.01087	0.00954	0.00846	0.00759	0.00690	0.00631	0.00571	0.00514
4190769.21	0.01550	0.01335	0.01168	0.01025	0.00902	0.00792	0.00707	0.00642	0.00589
4190669.21	0.02034	0.01693	0.01427	0.01222	0.01068	0.00940	0.00827	0.00728	0.00645
4190569.21	0.02882	0.02165	0.01705	0.01396	0.01175	0.01008	0.00879	0.00777	0.00694
4190469.21	0.03360	0.02406	0.01860	0.01503	0.01254	0.01073	0.00933	0.00821	0.00729
4190369.21	0.03045	0.02317	0.01840	0.01516	0.01283	0.01099	0.00949	0.00828	0.00729
4190269.21	0.02602	0.02099	0.01726	0.01444	0.01229	0.01055	0.00921	0.00820	0.00740
4190169.21	0.02215	0.01866	0.01576	0.01345	0.01163	0.01020	0.00903	0.00797	0.00705
4190069.21	0.01887	0.01635	0.01418	0.01237	0.01080	0.00956	0.00851	0.00769	0.00700
4189969.21	0.01592	0.01411	0.01255	0.01115	0.00998	0.00889	0.00800	0.00722	0.00654
4189869.21	0.01348	0.01217	0.01105	0.01006	0.00912	0.00831	0.00752	0.00687	0.00630
4189769.21	0.01157	0.01060	0.00980	0.00903	0.00831	0.00764	0.00704	0.00644	0.00595
4189669.21	0.01014	0.00944	0.00878	0.00816	0.00764	0.00712	0.00661	0.00614	0.00564
4189569.21	0.00920	0.00862	0.00804	0.00756	0.00705	0.00661	0.00618	0.00580	0.00544
4189469.21	0.00866	0.00809	0.00755	0.00707	0.00663	0.00623	0.00585	0.00546	0.00514
4189369.21	0.00850	0.00784	0.00720	0.00673	0.00629	0.00586	0.00554	0.00523	0.00489
4189269.21	0.00897	0.00782	0.00701	0.00637	0.00599	0.00559	0.00522	0.00495	0.00468
4189169.21	0.00900	0.00750	0.00670	0.00605	0.00560	0.00530	0.00497	0.00468	0.00445
4189069.21	0.00781	0.00688	0.00621	0.00571	0.00526	0.00496	0.00472	0.00448	0.00426
4188969.21	0.00678	0.00622	0.00576	0.00534	0.00500	0.00471	0.00448	0.00427	0.00409
4188869.21	0.00609	0.00568	0.00540	0.00508	0.00476	0.00454	0.00434	0.00412	0.00393
4188769.21	0.00573	0.00540	0.00520	0.00499	0.00469	0.00444	0.00427	0.00407	0.00384
4188669.21	0.00594	0.00566	0.00534	0.00513	0.00483	0.00448	0.00424	0.00406	0.00383
4188569.21	0.00759	0.00668	0.00595	0.00548	0.00509	0.00464	0.00428	0.00405	0.00384
4188469.21	0.01042	0.00828	0.00690	0.00598	0.00538	0.00485	0.00436	0.00402	0.00379
4188369.21	0.01454	0.01023	0.00788	0.00643	0.00555	0.00493	0.00439	0.00397	0.00369
4188269.21	0.01685	0.01059	0.00792	0.00636	0.00540	0.00479	0.00428	0.00385	0.00353
4188169.21	0.01117	0.00863	0.00701	0.00583	0.00500	0.00446	0.00405	0.00367	0.00336
4188069.21	0.00721	0.00654	0.00581	0.00514	0.00452	0.00408	0.00375	0.00345	0.00317
4187969.21	0.00510	0.00495	0.00475	0.00443	0.00404	0.00368	0.00342	0.00321	0.00299

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0008885, L0008886, L0008887, L0008888, L0008889, L0008890, L0008891,
L0008892, L0008893, L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900, L0008901, L0008902, L0008903,
L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912, L0008913, L0008914, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)								
	653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4187869.21	0.00392	0.00388	0.00387	0.00380	0.00359	0.00333	0.00311	0.00294	0.00278
4187769.21	0.00319	0.00318	0.00319	0.00324	0.00317	0.00301	0.00283	0.00269	0.00257
4187669.21	0.00269	0.00268	0.00270	0.00277	0.00280	0.00272	0.00259	0.00247	0.00237
4187569.21	0.00231	0.00234	0.00233	0.00240	0.00247	0.00246	0.00237	0.00227	0.00218
4187469.21	0.00204	0.00207	0.00205	0.00210	0.00218	0.00222	0.00218	0.00209	0.00202

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008885, L0008886, L0008887, L0008888, L0008889, L0008890, L0008891,
L0008892, L0008893, L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900, L0008901, L0008902, L0008903,
L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912, L0008913, L0008914, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
	654609.43
4191869.21	0.00101
4191769.21	0.00116
4191669.21	0.00138
4191569.21	0.00161
4191469.21	0.00188
4191369.21	0.00228
4191269.21	0.00278
4191169.21	0.00315
4191069.21	0.00364
4190969.21	0.00433
4190869.21	0.00466
4190769.21	0.00543
4190669.21	0.00577
4190569.21	0.00625
4190469.21	0.00653
4190369.21	0.00648
4190269.21	0.00670
4190169.21	0.00631
4190069.21	0.00635
4189969.21	0.00600
4189869.21	0.00575
4189769.21	0.00555
4189669.21	0.00521
4189569.21	0.00504
4189469.21	0.00485
4189369.21	0.00461
4189269.21	0.00442
4189169.21	0.00422
4189069.21	0.00405
4188969.21	0.00393
4188869.21	0.00379
4188769.21	0.00367
4188669.21	0.00359
4188569.21	0.00359
4188469.21	0.00357
4188369.21	0.00349
4188269.21	0.00333
4188169.21	0.00314
4188069.21	0.00295
4187969.21	0.00278

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008885, L0008886, L0008887, L0008888, L0008889, L0008890, L0008891,
L0008892, L0008893, L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900, L0008901, L0008902, L0008903,
L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912, L0008913, L0008914, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS)
	654609.43
4187869.21	0.00262
4187769.21	0.00245
4187669.21	0.00228
4187569.21	0.00211
4187469.21	0.00196

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008885, L0008886, L0008887, L0008888, L0008889, L0008890, L0008891, L0008892, L0008893, L0008894, L0008895, L0008896, L0008897, L0008898, L0008899, L0008900, L0008901, L0008902, L0008903, L0008904, L0008905, L0008906, L0008907, L0008908, L0008909, L0008910, L0008911, L0008912, L0008913, L0008914, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653704.08	4188059.62	0.00697	653739.04	4187982.72	0.00527
653773.99	4187973.98	0.00508	653808.95	4187979.23	0.00509
653716.32	4188105.07	0.00828	653814.19	4188038.65	0.00597
653845.65	4188094.58	0.00667	653913.81	4187966.99	0.00472
653857.88	4187979.23	0.00497	653684.86	4188140.02	0.01018
653723.31	4188183.71	0.01146	653782.73	4187900.58	0.00419
653787.97	4187849.89	0.00373	653784.48	4187807.95	0.00342
653740.78	4187793.97	0.00334	653693.60	4187793.97	0.00334
653611.45	4187907.57	0.00418	653548.53	4187912.81	0.00398
653611.45	4187849.89	0.00361	653459.40	4187916.31	0.00358
653391.24	4187914.56	0.00329	653614.95	4187785.23	0.00315
653691.85	4188389.95	0.01429	653681.36	4188468.60	0.01162
653672.62	4188533.26	0.00943	653658.64	4188639.87	0.00635
653642.91	4189129.24	0.00996	653646.41	4189377.42	0.00897
653639.42	4189527.73	0.00934	653620.19	4189735.71	0.01181
653604.46	4190029.33	0.02056	653629.19	4190985.62	0.01191
653634.43	4191226.81	0.00583	653538.30	4191464.51	0.00261
653833.41	4187890.51	0.00407	653873.29	4187905.46	0.00419
653913.18	4187900.48	0.00411			

*** AERMOD - VERSION 09292 *** *** CenterPoint Intermodal Center - 2014 *** 07/22/10
*** Period Average DPM Concnetrations *** 16:21:25
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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

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

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.03360 AT (653709.43, 4190469.21, 8.00, 8.00, 1.50)	GC	UCART1
	2ND HIGHEST VALUE IS	0.03045 AT (653709.43, 4190369.21, 8.00, 8.00, 1.50)	GC	UCART1
	3RD HIGHEST VALUE IS	0.02882 AT (653709.43, 4190569.21, 8.00, 8.00, 1.50)	GC	UCART1
	4TH HIGHEST VALUE IS	0.02602 AT (653709.43, 4190269.21, 8.00, 8.00, 1.50)	GC	UCART1
	5TH HIGHEST VALUE IS	0.02406 AT (653809.43, 4190469.21, 8.00, 8.00, 1.50)	GC	UCART1
	6TH HIGHEST VALUE IS	0.02317 AT (653809.43, 4190369.21, 8.00, 8.00, 1.50)	GC	UCART1
	7TH HIGHEST VALUE IS	0.02215 AT (653709.43, 4190169.21, 8.00, 8.00, 1.50)	GC	UCART1
	8TH HIGHEST VALUE IS	0.02165 AT (653809.43, 4190569.21, 8.00, 8.00, 1.50)	GC	UCART1
	9TH HIGHEST VALUE IS	0.02099 AT (653809.43, 4190269.21, 8.00, 8.00, 1.50)	GC	UCART1
	10TH HIGHEST VALUE IS	0.02056 AT (653604.46, 4190029.33, 8.00, 8.00, 1.50)	DC	

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

*** AERMOD - VERSION 09292 *** *** CenterPoint Intermodal Center - 2014 *** 07/22/10
*** Period Average DPM Concnetrations *** 16:21:25
PAGE 42

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

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

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

A Total of 0 Fatal Error Message(s)
A Total of 17 Warning Message(s)
A Total of 8775 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 7723 Calm Hours Identified

A Total of 1052 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********
SO W320 1173 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1174 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1175 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1176 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1177 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1178 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1179 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1180 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1181 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1182 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1183 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1184 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1185 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1186 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1187 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1188 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 1189 PPARM :Input Parameter May Be Out-of-Range for Parameter VS

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*** AERMOD Finishes Successfully ***
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 *** AERMOD - VERSION 09292 ***    *** CIC with Industrial Portion of the Master Plan                      ***        07/22/10
                                  *** Period Average DPM Concnetrations                                  ***       18:38:19
                                                                                                                  PAGE   1
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                        FASTALL                     NODRYDPLT NOWETDPLT

                                        ***     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  1544 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =     62651.0 ;  Urban Roughness Length =  1.000 m

**Model Allows User-Specified Options:
        1. Stack-tip Downwash.
        2. Model Assumes Receptors on FLAT Terrain.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
        FASTALL  - Use effective sigma-y to optimize meander for
                   POINT and VOLUME sources, and hybrid approach
                   to optimize AREA sources (formerly TOXICS option)

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates PERIOD Averages Only

**This Run Includes:   1544 Source(s);       1 Source Group(s); and     487 Receptor(s)

**The Model Assumes A Pollutant Type of:  DPM

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

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =     8.00 ;  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 =      6.3 MB of RAM.

 *** AERMOD - VERSION 09292 ***    *** CIC with Industrial Portion of the Master Plan                      ***        07/22/10
                                  *** Period Average DPM Concnetrations                                  ***       18:38:19
                                                                                                                  PAGE   2
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                        FASTALL                     NODRYDPLT NOWETDPLT


                                                *** POINT SOURCE DATA ***

           NUMBER EMISSION RATE                    BASE     STACK   STACK    STACK     STACK    BLDG   URBAN  CAP/  EMIS RATE
   SOURCE   PART.  (GRAMS/SEC)     X         Y     ELEV.    HEIGHT  TEMP.   EXIT VEL. DIAMETER  EXISTS SOURCE HOR   SCALAR
     ID     CATS.              (METERS) (METERS) (METERS) (METERS) (DEG.K)  (M/SEC)  (METERS)                        VARY BY
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

  ICIC1_1       0   0.59200E-04  653179.9 4190633.8     8.0     3.66   366.48    51.70     0.10    YES     YES   NO
  ICIC1_2       0   0.59200E-04  653170.2 4190811.7     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC1_3       0   0.59200E-04  653163.8 4190973.4     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC1_4       0   0.59200E-04  653154.0 4191125.5     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC2_1       0   0.41500E-04  653199.3 4190041.8     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC2_2       0   0.41500E-04  653189.6 4190180.9     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC2_3       0   0.41500E-04  653183.2 4190323.2     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC2_4       0   0.41500E-04  653179.9 4190436.5     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC3_1       0   0.87000E-05  653277.0 4189288.1     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC3_2       0   0.87000E-05  653270.5 4189381.9     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC3_3       0   0.87000E-05  653273.7 4189475.7     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC4_1       0   0.18000E-04  653451.7 4188395.3     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC4_2       0   0.18000E-04  653445.2 4188476.1     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC4_3       0   0.18000E-04  653441.9 4188566.7     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC5_1       0   0.85800E-05  653260.8 4188372.6     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC5_2       0   0.85800E-05  653254.3 4188447.0     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  ICIC5_3       0   0.85800E-05  653254.3 4188540.8     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC1_1      0   0.19200E-04  653296.6 4189772.4     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC1_2      0   0.19200E-04  653289.8 4189883.9     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC2_1      0   0.20100E-05  653306.7 4189532.5     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC2_2      0   0.20100E-04  653306.7 4189630.5     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC3_1      0   0.18600E-04  653320.2 4189292.6     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC3_2      0   0.18600E-04  653313.5 4189380.4     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC4_1      0   0.20200E-04  653445.2 4189127.0     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC4_2      0   0.20200E-04  653448.6 4189015.6     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC5_1      0   0.15400E-04  653448.6 4188775.7     8.0     3.66   366.00    51.70     0.20    YES     YES   NO
  INCIC5_2      0   0.15400E-04  653445.2 4188877.0     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC6        0   0.25400E-04  653445.2 4189883.9     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC7        0   0.20500E-04  653455.4 4189735.2     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC8        0   0.20700E-04  653465.5 4189569.6     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC9        0   0.27700E-04  653468.9 4189414.2     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
  INCIC10       0   0.12600E-04  653475.7 4189282.5     8.0     3.66   366.00    51.70     0.10    YES     YES   NO
                                                                Page 1
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INCIC11	0	0.19000E-04	653468.9	4189127.0	8.0	3.66	366.00	51.70	0.10	YES	YES	NO
INCIC12	0	0.24300E-04	653489.2	4188978.4	8.0	3.66	366.00	51.70	0.10	YES	YES	NO
INCIC13	0	0.25300E-04	653479.0	4188839.9	8.0	3.66	366.00	51.70	0.10	YES	YES	NO
INCIC14	0	0.41700E-04	653479.0	4188664.2	8.0	3.66	366.00	51.70	0.10	YES	YES	NO

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008651	0	0.75000E-05	653485.4	4190517.2	8.0	1.83	3.34	0.40	YES	
L0008652	0	0.75000E-05	653478.2	4190516.9	8.0	1.83	3.34	0.40	YES	
L0008653	0	0.75000E-05	653471.1	4190516.6	8.0	1.83	3.34	0.40	YES	
L0008654	0	0.75000E-05	653463.9	4190516.3	8.0	1.83	3.34	0.40	YES	
L0008655	0	0.75000E-05	653456.7	4190516.1	8.0	1.83	3.34	0.40	YES	
L0008656	0	0.75000E-05	653449.5	4190515.8	8.0	1.83	3.34	0.40	YES	
L0008657	0	0.75000E-05	653442.3	4190515.5	8.0	1.83	3.34	0.40	YES	
L0008658	0	0.75000E-05	653435.2	4190515.2	8.0	1.83	3.34	0.40	YES	
L0008659	0	0.75000E-05	653428.0	4190514.9	8.0	1.83	3.34	0.40	YES	
L0008660	0	0.75000E-05	653420.8	4190514.7	8.0	1.83	3.34	0.40	YES	
L0008661	0	0.75000E-05	653413.6	4190514.4	8.0	1.83	3.34	0.40	YES	
L0008662	0	0.75000E-05	653406.4	4190514.1	8.0	1.83	3.34	0.40	YES	
L0008663	0	0.75000E-05	653399.3	4190513.8	8.0	1.83	3.34	0.40	YES	
L0008664	0	0.75000E-05	653392.1	4190513.5	8.0	1.83	3.34	0.40	YES	
L0008665	0	0.75000E-05	653384.9	4190513.3	8.0	1.83	3.34	0.40	YES	
L0008666	0	0.75000E-05	653377.7	4190513.0	8.0	1.83	3.34	0.40	YES	
L0008667	0	0.75000E-05	653370.5	4190512.7	8.0	1.83	3.34	0.40	YES	
L0008668	0	0.75000E-05	653363.4	4190512.4	8.0	1.83	3.34	0.40	YES	
L0008669	0	0.75000E-05	653356.2	4190512.1	8.0	1.83	3.34	0.40	YES	
L0008670	0	0.75000E-05	653349.0	4190511.9	8.0	1.83	3.34	0.40	YES	
L0008671	0	0.75000E-05	653341.8	4190511.6	8.0	1.83	3.34	0.40	YES	
L0008672	0	0.75000E-05	653334.6	4190511.3	8.0	1.83	3.34	0.40	YES	
L0008673	0	0.75000E-05	653327.5	4190511.0	8.0	1.83	3.34	0.40	YES	
L0008674	0	0.75000E-05	653320.3	4190510.7	8.0	1.83	3.34	0.40	YES	
L0008675	0	0.75000E-05	653313.1	4190510.5	8.0	1.83	3.34	0.40	YES	
L0008676	0	0.75000E-05	653305.9	4190510.2	8.0	1.83	3.34	0.40	YES	
L0008677	0	0.75000E-05	653298.7	4190509.9	8.0	1.83	3.34	0.40	YES	
L0008678	0	0.75000E-05	653291.6	4190509.6	8.0	1.83	3.34	0.40	YES	
L0008679	0	0.75000E-05	653284.4	4190509.3	8.0	1.83	3.34	0.40	YES	
L0008680	0	0.75000E-05	653277.2	4190509.1	8.0	1.83	3.34	0.40	YES	
L0008681	0	0.75000E-05	653270.0	4190508.8	8.0	1.83	3.34	0.40	YES	
L0008682	0	0.75000E-05	653262.8	4190508.5	8.0	1.83	3.34	0.40	YES	
L0008683	0	0.75000E-05	653255.7	4190508.2	8.0	1.83	3.34	0.40	YES	
L0008684	0	0.75000E-05	653248.5	4190507.9	8.0	1.83	3.34	0.40	YES	
L0008685	0	0.75000E-05	653241.3	4190507.7	8.0	1.83	3.34	0.40	YES	
L0008686	0	0.75000E-05	653234.1	4190507.4	8.0	1.83	3.34	0.40	YES	
L0008687	0	0.75000E-05	653226.9	4190507.1	8.0	1.83	3.34	0.40	YES	
L0008688	0	0.75000E-05	653219.8	4190506.8	8.0	1.83	3.34	0.40	YES	
L0008689	0	0.75000E-05	653212.6	4190506.5	8.0	1.83	3.34	0.40	YES	
L0008690	0	0.75000E-05	653205.4	4190506.3	8.0	1.83	3.34	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008691	0	0.75000E-05	653198.2	4190506.0	8.0	1.83	3.34	0.40	YES	
L0008692	0	0.75000E-05	653191.0	4190505.7	8.0	1.83	3.34	0.40	YES	
L0008693	0	0.75000E-05	653183.9	4190505.4	8.0	1.83	3.34	0.40	YES	
L0008694	0	0.75000E-05	653176.7	4190505.1	8.0	1.83	3.34	0.40	YES	
L0008695	0	0.75000E-05	653169.5	4190504.9	8.0	1.83	3.34	0.40	YES	
L0008696	0	0.75000E-05	653162.3	4190504.6	8.0	1.83	3.34	0.40	YES	
L0008697	0	0.75000E-05	653160.4	4190510.0	8.0	1.83	3.39	0.40	YES	
L0008698	0	0.75000E-05	653160.2	4190517.3	8.0	1.83	3.39	0.40	YES	
L0008699	0	0.75000E-05	653160.0	4190524.6	8.0	1.83	3.39	0.40	YES	
L0008700	0	0.75000E-05	653159.8	4190531.8	8.0	1.83	3.39	0.40	YES	
L0008701	0	0.75000E-05	653159.6	4190539.1	8.0	1.83	3.39	0.40	YES	
L0008702	0	0.75000E-05	653159.4	4190546.4	8.0	1.83	3.39	0.40	YES	
L0008703	0	0.75000E-05	653159.2	4190553.7	8.0	1.83	3.39	0.40	YES	
L0008704	0	0.75000E-05	653159.0	4190561.0	8.0	1.83	3.39	0.40	YES	
L0008705	0	0.75000E-05	653158.8	4190568.3	8.0	1.83	3.39	0.40	YES	
L0008706	0	0.75000E-05	653158.6	4190575.6	8.0	1.83	3.39	0.40	YES	
L0008707	0	0.75000E-05	653158.4	4190582.9	8.0	1.83	3.39	0.40	YES	
L0008708	0	0.75000E-05	653158.2	4190590.2	8.0	1.83	3.39	0.40	YES	
L0008709	0	0.75000E-05	653158.0	4190597.5	8.0	1.83	3.39	0.40	YES	
L0008710	0	0.75000E-05	653157.8	4190604.8	8.0	1.83	3.39	0.40	YES	
L0008711	0	0.75000E-05	653157.6	4190612.1	8.0	1.83	3.39	0.40	YES	
L0008712	0	0.75000E-05	653157.4	4190619.4	8.0	1.83	3.39	0.40	YES	
L0008713	0	0.75000E-05	653157.2	4190626.7	8.0	1.83	3.39	0.40	YES	
L0008714	0	0.75000E-05	653157.0	4190634.0	8.0	1.83	3.39	0.40	YES	
L0008715	0	0.75000E-05	653156.8	4190641.2	8.0	1.83	3.39	0.40	YES	
L0008716	0	0.75000E-05	653156.6	4190648.5	8.0	1.83	3.39	0.40	YES	
L0008717	0	0.75000E-05	653156.4	4190655.8	8.0	1.83	3.39	0.40	YES	
L0008718	0	0.75000E-05	653156.2	4190663.1	8.0	1.83	3.39	0.40	YES	
L0008719	0	0.75000E-05	653156.0	4190670.4	8.0	1.83	3.39	0.40	YES	
L0008720	0	0.75000E-05	653155.8	4190677.7	8.0	1.83	3.39	0.40	YES	
L0008721	0	0.75000E-05	653155.6	4190685.0	8.0	1.83	3.39	0.40	YES	
L0008722	0	0.75000E-05	653155.4	4190692.3	8.0	1.83	3.39	0.40	YES	
L0008723	0	0.75000E-05	653155.2	4190699.6	8.0	1.83	3.39	0.40	YES	
L0008724	0	0.75000E-05	653155.0	4190706.9	8.0	1.83	3.39	0.40	YES	

L0008725	0	0.75000E-05	653154.8	4190714.2	8.0	1.83	3.39	0.40	YES
L0008726	0	0.75000E-05	653154.6	4190721.5	8.0	1.83	3.39	0.40	YES
L0008727	0	0.75000E-05	653154.4	4190728.8	8.0	1.83	3.39	0.40	YES
L0008728	0	0.75000E-05	653154.2	4190736.1	8.0	1.83	3.39	0.40	YES
L0008729	0	0.75000E-05	653154.0	4190743.4	8.0	1.83	3.39	0.40	YES
L0008730	0	0.75000E-05	653153.8	4190750.6	8.0	1.83	3.39	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008731	0	0.75000E-05	653153.6	4190757.9	8.0	1.83	3.39	0.40	YES	
L0008732	0	0.75000E-05	653153.4	4190765.2	8.0	1.83	3.39	0.40	YES	
L0008733	0	0.75000E-05	653153.2	4190772.5	8.0	1.83	3.39	0.40	YES	
L0008734	0	0.75000E-05	653153.0	4190779.8	8.0	1.83	3.39	0.40	YES	
L0008735	0	0.75000E-05	653152.8	4190787.1	8.0	1.83	3.39	0.40	YES	
L0008736	0	0.75000E-05	653152.6	4190794.4	8.0	1.83	3.39	0.40	YES	
L0008737	0	0.75000E-05	653152.4	4190801.7	8.0	1.83	3.39	0.40	YES	
L0008738	0	0.75000E-05	653152.2	4190809.0	8.0	1.83	3.39	0.40	YES	
L0008739	0	0.75000E-05	653152.0	4190816.3	8.0	1.83	3.39	0.40	YES	
L0008740	0	0.75000E-05	653151.9	4190823.6	8.0	1.83	3.39	0.40	YES	
L0008741	0	0.75000E-05	653151.7	4190830.9	8.0	1.83	3.39	0.40	YES	
L0008742	0	0.75000E-05	653151.5	4190838.2	8.0	1.83	3.39	0.40	YES	
L0008743	0	0.75000E-05	653151.3	4190845.5	8.0	1.83	3.39	0.40	YES	
L0008744	0	0.75000E-05	653151.1	4190852.8	8.0	1.83	3.39	0.40	YES	
L0008745	0	0.75000E-05	653150.9	4190860.0	8.0	1.83	3.39	0.40	YES	
L0008746	0	0.75000E-05	653150.7	4190867.3	8.0	1.83	3.39	0.40	YES	
L0008747	0	0.75000E-05	653150.5	4190874.6	8.0	1.83	3.39	0.40	YES	
L0008748	0	0.75000E-05	653150.3	4190881.9	8.0	1.83	3.39	0.40	YES	
L0008749	0	0.75000E-05	653150.1	4190889.2	8.0	1.83	3.39	0.40	YES	
L0008750	0	0.75000E-05	653149.9	4190896.5	8.0	1.83	3.39	0.40	YES	
L0008751	0	0.75000E-05	653149.7	4190903.8	8.0	1.83	3.39	0.40	YES	
L0008752	0	0.75000E-05	653149.5	4190911.1	8.0	1.83	3.39	0.40	YES	
L0008753	0	0.75000E-05	653149.3	4190918.4	8.0	1.83	3.39	0.40	YES	
L0008754	0	0.75000E-05	653149.1	4190925.7	8.0	1.83	3.39	0.40	YES	
L0008755	0	0.75000E-05	653148.9	4190933.0	8.0	1.83	3.39	0.40	YES	
L0008756	0	0.75000E-05	653148.7	4190940.3	8.0	1.83	3.39	0.40	YES	
L0008757	0	0.75000E-05	653148.5	4190947.6	8.0	1.83	3.39	0.40	YES	
L0008758	0	0.75000E-05	653148.3	4190954.9	8.0	1.83	3.39	0.40	YES	
L0008759	0	0.75000E-05	653148.1	4190962.2	8.0	1.83	3.39	0.40	YES	
L0008760	0	0.75000E-05	653147.9	4190969.4	8.0	1.83	3.39	0.40	YES	
L0008761	0	0.75000E-05	653147.7	4190976.7	8.0	1.83	3.39	0.40	YES	
L0008762	0	0.75000E-05	653147.5	4190984.0	8.0	1.83	3.39	0.40	YES	
L0008763	0	0.75000E-05	653147.3	4190991.3	8.0	1.83	3.39	0.40	YES	
L0008764	0	0.75000E-05	653147.1	4190998.6	8.0	1.83	3.39	0.40	YES	
L0008765	0	0.75000E-05	653146.9	4191005.9	8.0	1.83	3.39	0.40	YES	
L0008766	0	0.75000E-05	653146.7	4191013.2	8.0	1.83	3.39	0.40	YES	
L0008767	0	0.75000E-05	653146.5	4191020.5	8.0	1.83	3.39	0.40	YES	
L0008768	0	0.75000E-05	653146.3	4191027.8	8.0	1.83	3.39	0.40	YES	
L0008769	0	0.75000E-05	653146.1	4191035.1	8.0	1.83	3.39	0.40	YES	
L0008770	0	0.75000E-05	653145.9	4191042.4	8.0	1.83	3.39	0.40	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008771	0	0.75000E-05	653145.7	4191049.7	8.0	1.83	3.39	0.40	YES	
L0008772	0	0.75000E-05	653145.5	4191057.0	8.0	1.83	3.39	0.40	YES	
L0008773	0	0.75000E-05	653145.3	4191064.3	8.0	1.83	3.39	0.40	YES	
L0008774	0	0.75000E-05	653145.1	4191071.6	8.0	1.83	3.39	0.40	YES	
L0008775	0	0.75000E-05	653144.9	4191078.8	8.0	1.83	3.39	0.40	YES	
L0008776	0	0.75000E-05	653144.7	4191086.1	8.0	1.83	3.39	0.40	YES	
L0008777	0	0.75000E-05	653144.5	4191093.4	8.0	1.83	3.39	0.40	YES	
L0008778	0	0.75000E-05	653144.3	4191100.7	8.0	1.83	3.39	0.40	YES	
L0008779	0	0.75000E-05	653144.1	4191108.0	8.0	1.83	3.39	0.40	YES	
L0008780	0	0.75000E-05	653143.9	4191115.3	8.0	1.83	3.39	0.40	YES	
L0008781	0	0.75000E-05	653143.7	4191122.6	8.0	1.83	3.39	0.40	YES	
L0008782	0	0.75000E-05	653143.5	4191129.9	8.0	1.83	3.39	0.40	YES	
L0008783	0	0.75000E-05	653143.3	4191137.2	8.0	1.83	3.39	0.40	YES	
L0008784	0	0.75000E-05	653143.2	4191144.5	8.0	1.83	3.39	0.40	YES	
L0008785	0	0.75000E-05	653143.0	4191151.8	8.0	1.83	3.39	0.40	YES	
L0008786	0	0.75000E-05	653142.8	4191159.1	8.0	1.83	3.39	0.40	YES	
L0008787	0	0.75000E-05	653142.6	4191166.4	8.0	1.83	3.39	0.40	YES	
L0008788	0	0.75000E-05	653142.4	4191173.7	8.0	1.83	3.39	0.40	YES	
L0008789	0	0.75000E-05	653142.2	4191181.0	8.0	1.83	3.39	0.40	YES	
L0008790	0	0.75000E-05	653142.0	4191188.2	8.0	1.83	3.39	0.40	YES	
L0008791	0	0.75000E-05	653141.8	4191195.5	8.0	1.83	3.39	0.40	YES	
L0008792	0	0.75000E-05	653141.6	4191202.8	8.0	1.83	3.39	0.40	YES	
L0008793	0	0.75000E-05	653141.4	4191210.1	8.0	1.83	3.39	0.40	YES	
L0008794	0	0.75000E-05	653141.2	4191217.4	8.0	1.83	3.39	0.40	YES	
L0008795	0	0.50431E-05	653483.8	4190518.0	8.0	1.83	3.39	0.40	YES	
L0008796	0	0.50431E-05	653476.5	4190517.8	8.0	1.83	3.39	0.40	YES	
L0008797	0	0.50431E-05	653469.2	4190517.7	8.0	1.83	3.39	0.40	YES	
L0008798	0	0.50431E-05	653461.9	4190517.5	8.0	1.83	3.39	0.40	YES	
L0008799	0	0.50431E-05	653454.7	4190517.3	8.0	1.83	3.39	0.40	YES	
L0008800	0	0.50431E-05	653447.4	4190517.2	8.0	1.83	3.39	0.40	YES	
L0008801	0	0.50431E-05	653440.1	4190517.0	8.0	1.83	3.39	0.40	YES	
L0008802	0	0.50431E-05	653432.8	4190516.9	8.0	1.83	3.39	0.40	YES	

L0008803	0	0.50431E-05	653425.5	4190516.7	8.0	1.83	3.39	0.40	YES
L0008804	0	0.50431E-05	653418.2	4190516.6	8.0	1.83	3.39	0.40	YES
L0008805	0	0.50431E-05	653410.9	4190516.4	8.0	1.83	3.39	0.40	YES
L0008806	0	0.50431E-05	653403.7	4190516.3	8.0	1.83	3.39	0.40	YES
L0008807	0	0.50431E-05	653396.4	4190516.1	8.0	1.83	3.39	0.40	YES
L0008808	0	0.50431E-05	653389.1	4190516.0	8.0	1.83	3.39	0.40	YES
L0008809	0	0.50431E-05	653381.8	4190515.8	8.0	1.83	3.39	0.40	YES
L0008810	0	0.50431E-05	653374.5	4190515.7	8.0	1.83	3.39	0.40	YES

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FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008811	0	0.50431E-05	653367.2	4190515.5	8.0	1.83	3.39	0.40	YES	
L0008812	0	0.50431E-05	653359.9	4190515.3	8.0	1.83	3.39	0.40	YES	
L0008813	0	0.50431E-05	653352.7	4190515.2	8.0	1.83	3.39	0.40	YES	
L0008814	0	0.50431E-05	653345.4	4190515.0	8.0	1.83	3.39	0.40	YES	
L0008815	0	0.50431E-05	653338.1	4190514.9	8.0	1.83	3.39	0.40	YES	
L0008816	0	0.50431E-05	653330.8	4190514.7	8.0	1.83	3.39	0.40	YES	
L0008817	0	0.50431E-05	653323.5	4190514.6	8.0	1.83	3.39	0.40	YES	
L0008818	0	0.50431E-05	653316.2	4190514.4	8.0	1.83	3.39	0.40	YES	
L0008819	0	0.50431E-05	653308.9	4190514.3	8.0	1.83	3.39	0.40	YES	
L0008820	0	0.50431E-05	653301.7	4190514.1	8.0	1.83	3.39	0.40	YES	
L0008821	0	0.50431E-05	653294.4	4190514.0	8.0	1.83	3.39	0.40	YES	
L0008822	0	0.50431E-05	653287.1	4190513.8	8.0	1.83	3.39	0.40	YES	
L0008823	0	0.50431E-05	653279.8	4190513.7	8.0	1.83	3.39	0.40	YES	
L0008824	0	0.50431E-05	653272.5	4190513.5	8.0	1.83	3.39	0.40	YES	
L0008825	0	0.50431E-05	653265.2	4190513.3	8.0	1.83	3.39	0.40	YES	
L0008826	0	0.50431E-05	653257.9	4190513.2	8.0	1.83	3.39	0.40	YES	
L0008827	0	0.50431E-05	653250.7	4190513.0	8.0	1.83	3.39	0.40	YES	
L0008828	0	0.50431E-05	653243.4	4190512.9	8.0	1.83	3.39	0.40	YES	
L0008829	0	0.50431E-05	653236.1	4190512.7	8.0	1.83	3.39	0.40	YES	
L0008830	0	0.50431E-05	653228.8	4190512.6	8.0	1.83	3.39	0.40	YES	
L0008831	0	0.50431E-05	653221.5	4190512.4	8.0	1.83	3.39	0.40	YES	
L0008832	0	0.50431E-05	653214.2	4190512.3	8.0	1.83	3.39	0.40	YES	
L0008833	0	0.50431E-05	653207.0	4190512.1	8.0	1.83	3.39	0.40	YES	
L0008834	0	0.50431E-05	653199.7	4190512.0	8.0	1.83	3.39	0.40	YES	
L0008835	0	0.50431E-05	653192.4	4190511.8	8.0	1.83	3.39	0.40	YES	
L0008836	0	0.50431E-05	653185.1	4190511.7	8.0	1.83	3.39	0.40	YES	
L0008837	0	0.50431E-05	653177.8	4190511.5	8.0	1.83	3.39	0.40	YES	
L0008838	0	0.50431E-05	653170.5	4190511.3	8.0	1.83	3.39	0.40	YES	
L0008839	0	0.50431E-05	653163.2	4190511.2	8.0	1.83	3.39	0.40	YES	
L0008840	0	0.50431E-05	653156.0	4190511.0	8.0	1.83	3.39	0.40	YES	
L0008841	0	0.50431E-05	653154.4	4190505.6	8.0	1.83	3.36	0.40	YES	
L0008842	0	0.50431E-05	653154.7	4190498.4	8.0	1.83	3.36	0.40	YES	
L0008843	0	0.50431E-05	653155.0	4190491.2	8.0	1.83	3.36	0.40	YES	
L0008844	0	0.50431E-05	653155.3	4190484.0	8.0	1.83	3.36	0.40	YES	
L0008845	0	0.50431E-05	653155.6	4190476.8	8.0	1.83	3.36	0.40	YES	
L0008846	0	0.50431E-05	653155.9	4190469.6	8.0	1.83	3.36	0.40	YES	
L0008847	0	0.50431E-05	653156.2	4190462.4	8.0	1.83	3.36	0.40	YES	
L0008848	0	0.50431E-05	653156.5	4190455.2	8.0	1.83	3.36	0.40	YES	
L0008849	0	0.50431E-05	653156.8	4190448.0	8.0	1.83	3.36	0.40	YES	
L0008850	0	0.50431E-05	653157.1	4190440.8	8.0	1.83	3.36	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

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L0008851	0	0.50431E-05	653157.4	4190433.5	8.0	1.83	3.36	0.40	YES	
L0008852	0	0.50431E-05	653157.8	4190426.3	8.0	1.83	3.36	0.40	YES	
L0008853	0	0.50431E-05	653158.1	4190419.1	8.0	1.83	3.36	0.40	YES	
L0008854	0	0.50431E-05	653158.4	4190411.9	8.0	1.83	3.36	0.40	YES	
L0008855	0	0.50431E-05	653158.7	4190404.7	8.0	1.83	3.36	0.40	YES	
L0008856	0	0.50431E-05	653159.0	4190397.5	8.0	1.83	3.36	0.40	YES	
L0008857	0	0.50431E-05	653159.3	4190390.3	8.0	1.83	3.36	0.40	YES	
L0008858	0	0.50431E-05	653159.6	4190383.1	8.0	1.83	3.36	0.40	YES	
L0008859	0	0.50431E-05	653159.9	4190375.9	8.0	1.83	3.36	0.40	YES	
L0008860	0	0.50431E-05	653160.2	4190368.7	8.0	1.83	3.36	0.40	YES	
L0008861	0	0.50431E-05	653160.5	4190361.5	8.0	1.83	3.36	0.40	YES	
L0008862	0	0.50431E-05	653160.8	4190354.3	8.0	1.83	3.36	0.40	YES	
L0008863	0	0.50431E-05	653161.2	4190347.1	8.0	1.83	3.36	0.40	YES	
L0008864	0	0.50431E-05	653161.5	4190339.9	8.0	1.83	3.36	0.40	YES	
L0008865	0	0.50431E-05	653161.8	4190332.6	8.0	1.83	3.36	0.40	YES	
L0008866	0	0.50431E-05	653162.1	4190325.4	8.0	1.83	3.36	0.40	YES	
L0008867	0	0.50431E-05	653162.4	4190318.2	8.0	1.83	3.36	0.40	YES	
L0008868	0	0.50431E-05	653162.7	4190311.0	8.0	1.83	3.36	0.40	YES	
L0008869	0	0.50431E-05	653163.0	4190303.8	8.0	1.83	3.36	0.40	YES	
L0008870	0	0.50431E-05	653163.3	4190296.6	8.0	1.83	3.36	0.40	YES	
L0008871	0	0.50431E-05	653163.6	4190289.4	8.0	1.83	3.36	0.40	YES	
L0008872	0	0.50431E-05	653163.9	4190282.2	8.0	1.83	3.36	0.40	YES	
L0008873	0	0.50431E-05	653164.2	4190275.0	8.0	1.83	3.36	0.40	YES	
L0008874	0	0.50431E-05	653164.6	4190267.8	8.0	1.83	3.36	0.40	YES	
L0008875	0	0.50431E-05	653164.9	4190260.6	8.0	1.83	3.36	0.40	YES	
L0008876	0	0.50431E-05	653165.2	4190253.4	8.0	1.83	3.36	0.40	YES	
L0008877	0	0.50431E-05	653165.5	4190246.2	8.0	1.83	3.36	0.40	YES	
L0008878	0	0.50431E-05	653165.8	4190239.0	8.0	1.83	3.36	0.40	YES	
L0008879	0	0.50431E-05	653166.1	4190231.7	8.0	1.83	3.36	0.40	YES	
L0008880	0	0.50431E-05	653166.4	4190224.5	8.0	1.83	3.36	0.40	YES	

L0008881	0	0.50431E-05	653166.7	4190217.3	8.0	1.83	3.36	0.40	YES
L0008882	0	0.50431E-05	653167.0	4190210.1	8.0	1.83	3.36	0.40	YES
L0008883	0	0.50431E-05	653167.3	4190202.9	8.0	1.83	3.36	0.40	YES
L0008884	0	0.50431E-05	653167.6	4190195.7	8.0	1.83	3.36	0.40	YES
L0008885	0	0.50431E-05	653167.9	4190188.5	8.0	1.83	3.36	0.40	YES
L0008886	0	0.50431E-05	653168.3	4190181.3	8.0	1.83	3.36	0.40	YES
L0008887	0	0.50431E-05	653168.6	4190174.1	8.0	1.83	3.36	0.40	YES
L0008888	0	0.50431E-05	653168.9	4190166.9	8.0	1.83	3.36	0.40	YES
L0008889	0	0.50431E-05	653169.2	4190159.7	8.0	1.83	3.36	0.40	YES
L0008890	0	0.50431E-05	653169.5	4190152.5	8.0	1.83	3.36	0.40	YES

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*** VOLUME SOURCE DATA ***

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L0008891	0	0.50431E-05	653169.8	4190145.3	8.0	1.83	3.36	0.40	YES	
L0008892	0	0.50431E-05	653170.1	4190138.1	8.0	1.83	3.36	0.40	YES	
L0008893	0	0.50431E-05	653170.4	4190130.8	8.0	1.83	3.36	0.40	YES	
L0008894	0	0.50431E-05	653170.7	4190123.6	8.0	1.83	3.36	0.40	YES	
L0008895	0	0.50431E-05	653171.0	4190116.4	8.0	1.83	3.36	0.40	YES	
L0008896	0	0.50431E-05	653171.3	4190109.2	8.0	1.83	3.36	0.40	YES	
L0008897	0	0.50431E-05	653171.7	4190102.0	8.0	1.83	3.36	0.40	YES	
L0008898	0	0.50431E-05	653172.0	4190094.8	8.0	1.83	3.36	0.40	YES	
L0008899	0	0.50431E-05	653172.3	4190087.6	8.0	1.83	3.36	0.40	YES	
L0008900	0	0.50431E-05	653172.6	4190080.4	8.0	1.83	3.36	0.40	YES	
L0008901	0	0.50431E-05	653172.9	4190073.2	8.0	1.83	3.36	0.40	YES	
L0008902	0	0.50431E-05	653173.2	4190066.0	8.0	1.83	3.36	0.40	YES	
L0008903	0	0.50431E-05	653173.5	4190058.8	8.0	1.83	3.36	0.40	YES	
L0008904	0	0.50431E-05	653173.8	4190051.6	8.0	1.83	3.36	0.40	YES	
L0008905	0	0.50431E-05	653174.1	4190044.4	8.0	1.83	3.36	0.40	YES	
L0008906	0	0.50431E-05	653174.4	4190037.2	8.0	1.83	3.36	0.40	YES	
L0008907	0	0.50431E-05	653174.7	4190029.9	8.0	1.83	3.36	0.40	YES	
L0008908	0	0.50431E-05	653175.1	4190022.7	8.0	1.83	3.36	0.40	YES	
L0008909	0	0.50431E-05	653175.4	4190015.5	8.0	1.83	3.36	0.40	YES	
L0008910	0	0.50431E-05	653175.7	4190008.3	8.0	1.83	3.36	0.40	YES	
L0008911	0	0.94605E-06	653553.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008912	0	0.94605E-06	653546.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008913	0	0.94605E-06	653538.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008914	0	0.94605E-06	653531.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008915	0	0.94605E-06	653524.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008916	0	0.94605E-06	653517.3	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008917	0	0.94605E-06	653510.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008918	0	0.94605E-06	653502.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008919	0	0.94605E-06	653495.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008920	0	0.94605E-06	653488.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008921	0	0.94605E-06	653481.3	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008922	0	0.94605E-06	653474.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008923	0	0.94605E-06	653466.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008924	0	0.94605E-06	653459.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008925	0	0.94605E-06	653452.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008926	0	0.94605E-06	653445.3	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008927	0	0.94605E-06	653438.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008928	0	0.94605E-06	653430.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008929	0	0.94605E-06	653423.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008930	0	0.94605E-06	653416.5	4189223.5	8.0	1.83	3.35	0.40	YES	

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L0008931	0	0.94605E-06	653409.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008932	0	0.94605E-06	653402.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008933	0	0.94605E-06	653394.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008934	0	0.94605E-06	653387.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008935	0	0.94605E-06	653380.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008936	0	0.94605E-06	653373.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008937	0	0.94605E-06	653366.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008938	0	0.94605E-06	653358.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008939	0	0.94605E-06	653351.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008940	0	0.94605E-06	653344.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008941	0	0.94605E-06	653337.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008942	0	0.94605E-06	653330.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008943	0	0.94605E-06	653322.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008944	0	0.94605E-06	653315.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008945	0	0.94605E-06	653308.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008946	0	0.94605E-06	653301.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008947	0	0.94605E-06	653294.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0008948	0	0.94605E-06	653291.9	4189228.9	8.0	1.83	3.36	0.40	YES	
L0008949	0	0.94605E-06	653291.6	4189236.1	8.0	1.83	3.36	0.40	YES	
L0008950	0	0.94605E-06	653291.3	4189243.3	8.0	1.83	3.36	0.40	YES	
L0008951	0	0.94605E-06	653291.0	4189250.5	8.0	1.83	3.36	0.40	YES	
L0008952	0	0.94605E-06	653290.7	4189257.8	8.0	1.83	3.36	0.40	YES	
L0008953	0	0.94605E-06	653290.4	4189265.0	8.0	1.83	3.36	0.40	YES	
L0008954	0	0.94605E-06	653290.1	4189272.2	8.0	1.83	3.36	0.40	YES	
L0008955	0	0.94605E-06	653289.8	4189279.4	8.0	1.83	3.36	0.40	YES	
L0008956	0	0.94605E-06	653289.4	4189286.6	8.0	1.83	3.36	0.40	YES	
L0008957	0	0.94605E-06	653289.1	4189293.9	8.0	1.83	3.36	0.40	YES	
L0008958	0	0.94605E-06	653288.8	4189301.1	8.0	1.83	3.36	0.40	YES	

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L0008959	0	0.94605E-06	653288.5	4189308.3	8.0	1.83	3.36	0.40	YES	
L0008960	0	0.94605E-06	653288.2	4189315.5	8.0	1.83	3.36	0.40	YES	
L0008961	0	0.94605E-06	653287.9	4189322.7	8.0	1.83	3.36	0.40	YES	
L0008962	0	0.94605E-06	653287.6	4189329.9	8.0	1.83	3.36	0.40	YES	
L0008963	0	0.94605E-06	653287.3	4189337.2	8.0	1.83	3.36	0.40	YES	
L0008964	0	0.94605E-06	653287.0	4189344.4	8.0	1.83	3.36	0.40	YES	
L0008965	0	0.94605E-06	653286.7	4189351.6	8.0	1.83	3.36	0.40	YES	
L0008966	0	0.94605E-06	653286.4	4189358.8	8.0	1.83	3.36	0.40	YES	
L0008967	0	0.94605E-06	653286.1	4189366.0	8.0	1.83	3.36	0.40	YES	
L0008968	0	0.94605E-06	653285.8	4189373.2	8.0	1.83	3.36	0.40	YES	
L0008969	0	0.94605E-06	653285.5	4189380.5	8.0	1.83	3.36	0.40	YES	
L0008970	0	0.94605E-06	653285.2	4189387.7	8.0	1.83	3.36	0.40	YES	

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008971	0	0.94605E-06	653284.9	4189394.9	8.0	1.83	3.36	0.40	YES	
L0008972	0	0.94605E-06	653284.6	4189402.1	8.0	1.83	3.36	0.40	YES	
L0008973	0	0.94605E-06	653284.2	4189409.3	8.0	1.83	3.36	0.40	YES	
L0008974	0	0.94605E-06	653283.9	4189416.6	8.0	1.83	3.36	0.40	YES	
L0008975	0	0.94605E-06	653283.6	4189423.8	8.0	1.83	3.36	0.40	YES	
L0008976	0	0.94605E-06	653283.3	4189431.0	8.0	1.83	3.36	0.40	YES	
L0008977	0	0.94605E-06	653283.0	4189438.2	8.0	1.83	3.36	0.40	YES	
L0008978	0	0.94605E-06	653282.7	4189445.4	8.0	1.83	3.36	0.40	YES	
L0008979	0	0.94605E-06	653282.4	4189452.6	8.0	1.83	3.36	0.40	YES	
L0008980	0	0.94605E-06	653282.1	4189459.9	8.0	1.83	3.36	0.40	YES	
L0008981	0	0.94605E-06	653281.8	4189467.1	8.0	1.83	3.36	0.40	YES	
L0008982	0	0.94605E-06	653281.5	4189474.3	8.0	1.83	3.36	0.40	YES	
L0008983	0	0.94605E-06	653281.2	4189481.5	8.0	1.83	3.36	0.40	YES	
L0008984	0	0.94605E-06	653280.9	4189488.7	8.0	1.83	3.36	0.40	YES	
L0008985	0	0.94605E-06	653280.6	4189496.0	8.0	1.83	3.36	0.40	YES	
L0008986	0	0.94605E-06	653280.3	4189503.2	8.0	1.83	3.36	0.40	YES	
L0008987	0	0.28519E-05	653588.9	4188314.5	8.0	1.83	3.25	0.40	YES	
L0008988	0	0.28519E-05	653581.9	4188314.3	8.0	1.83	3.25	0.40	YES	
L0008989	0	0.28519E-05	653575.0	4188314.1	8.0	1.83	3.25	0.40	YES	
L0008990	0	0.28519E-05	653568.0	4188313.9	8.0	1.83	3.25	0.40	YES	
L0008991	0	0.28519E-05	653561.0	4188313.8	8.0	1.83	3.25	0.40	YES	
L0008992	0	0.28519E-05	653554.0	4188313.6	8.0	1.83	3.25	0.40	YES	
L0008993	0	0.28519E-05	653547.0	4188313.4	8.0	1.83	3.25	0.40	YES	
L0008994	0	0.28519E-05	653540.0	4188313.2	8.0	1.83	3.25	0.40	YES	
L0008995	0	0.28519E-05	653533.0	4188313.0	8.0	1.83	3.25	0.40	YES	
L0008996	0	0.28519E-05	653526.1	4188312.9	8.0	1.83	3.25	0.40	YES	
L0008997	0	0.28519E-05	653519.1	4188312.7	8.0	1.83	3.25	0.40	YES	
L0008998	0	0.28519E-05	653512.1	4188312.5	8.0	1.83	3.25	0.40	YES	
L0008999	0	0.28519E-05	653505.1	4188312.3	8.0	1.83	3.25	0.40	YES	
L0009000	0	0.28519E-05	653498.1	4188312.2	8.0	1.83	3.25	0.40	YES	
L0009001	0	0.28519E-05	653491.1	4188312.0	8.0	1.83	3.25	0.40	YES	
L0009002	0	0.28519E-05	653484.2	4188311.8	8.0	1.83	3.25	0.40	YES	
L0009003	0	0.28519E-05	653477.2	4188311.6	8.0	1.83	3.25	0.40	YES	
L0009004	0	0.28519E-05	653470.2	4188311.5	8.0	1.83	3.25	0.40	YES	
L0009005	0	0.28519E-05	653463.2	4188311.3	8.0	1.83	3.25	0.40	YES	
L0009006	0	0.28519E-05	653461.0	4188316.5	8.0	1.83	3.32	0.40	YES	
L0009007	0	0.28519E-05	653460.6	4188323.7	8.0	1.83	3.32	0.40	YES	
L0009008	0	0.28519E-05	653460.1	4188330.8	8.0	1.83	3.32	0.40	YES	
L0009009	0	0.28519E-05	653459.6	4188337.9	8.0	1.83	3.32	0.40	YES	
L0009010	0	0.28519E-05	653459.2	4188345.0	8.0	1.83	3.32	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009011	0	0.28519E-05	653458.7	4188352.1	8.0	1.83	3.32	0.40	YES	
L0009012	0	0.28519E-05	653458.3	4188359.2	8.0	1.83	3.32	0.40	YES	
L0009013	0	0.28519E-05	653457.8	4188366.3	8.0	1.83	3.32	0.40	YES	
L0009014	0	0.28519E-05	653457.3	4188373.5	8.0	1.83	3.32	0.40	YES	
L0009015	0	0.28519E-05	653456.9	4188380.6	8.0	1.83	3.32	0.40	YES	
L0009016	0	0.28519E-05	653456.4	4188387.7	8.0	1.83	3.32	0.40	YES	
L0009017	0	0.28519E-05	653455.9	4188394.8	8.0	1.83	3.32	0.40	YES	
L0009018	0	0.28519E-05	653455.5	4188401.9	8.0	1.83	3.32	0.40	YES	
L0009019	0	0.28519E-05	653455.0	4188409.0	8.0	1.83	3.32	0.40	YES	
L0009020	0	0.28519E-05	653454.6	4188416.1	8.0	1.83	3.32	0.40	YES	
L0009021	0	0.28519E-05	653454.1	4188423.3	8.0	1.83	3.32	0.40	YES	
L0009022	0	0.28519E-05	653453.6	4188430.4	8.0	1.83	3.32	0.40	YES	
L0009023	0	0.28519E-05	653453.2	4188437.5	8.0	1.83	3.32	0.40	YES	
L0009024	0	0.28519E-05	653452.7	4188444.6	8.0	1.83	3.32	0.40	YES	
L0009025	0	0.28519E-05	653452.2	4188451.7	8.0	1.83	3.32	0.40	YES	
L0009026	0	0.28519E-05	653451.8	4188458.8	8.0	1.83	3.32	0.40	YES	
L0009027	0	0.28519E-05	653451.3	4188465.9	8.0	1.83	3.32	0.40	YES	
L0009028	0	0.28519E-05	653450.9	4188473.1	8.0	1.83	3.32	0.40	YES	
L0009029	0	0.28519E-05	653450.4	4188480.2	8.0	1.83	3.32	0.40	YES	
L0009030	0	0.28519E-05	653449.9	4188487.3	8.0	1.83	3.32	0.40	YES	
L0009031	0	0.28519E-05	653449.5	4188494.4	8.0	1.83	3.32	0.40	YES	
L0009032	0	0.28519E-05	653449.0	4188501.5	8.0	1.83	3.32	0.40	YES	
L0009033	0	0.28519E-05	653448.5	4188508.6	8.0	1.83	3.32	0.40	YES	
L0009034	0	0.28519E-05	653448.1	4188515.7	8.0	1.83	3.32	0.40	YES	
L0009035	0	0.28519E-05	653447.6	4188522.9	8.0	1.83	3.32	0.40	YES	
L0009036	0	0.28519E-05	653447.2	4188530.0	8.0	1.83	3.32	0.40	YES	

L0009037	0	0.28519E-05	653446.7	4188537.1	8.0	1.83	3.32	0.40	YES
L0009038	0	0.28519E-05	653446.2	4188544.2	8.0	1.83	3.32	0.40	YES
L0009039	0	0.28519E-05	653445.8	4188551.3	8.0	1.83	3.32	0.40	YES
L0009040	0	0.28519E-05	653445.3	4188558.4	8.0	1.83	3.32	0.40	YES
L0009041	0	0.66154E-06	653588.9	4188311.3	8.0	1.83	3.34	0.40	YES
L0009042	0	0.66154E-06	653581.7	4188311.5	8.0	1.83	3.34	0.40	YES
L0009043	0	0.66154E-06	653574.6	4188311.7	8.0	1.83	3.34	0.40	YES
L0009044	0	0.66154E-06	653567.4	4188311.9	8.0	1.83	3.34	0.40	YES
L0009045	0	0.66154E-06	653560.2	4188312.2	8.0	1.83	3.34	0.40	YES
L0009046	0	0.66154E-06	653553.0	4188312.4	8.0	1.83	3.34	0.40	YES
L0009047	0	0.66154E-06	653545.8	4188312.6	8.0	1.83	3.34	0.40	YES
L0009048	0	0.66154E-06	653538.7	4188312.8	8.0	1.83	3.34	0.40	YES
L0009049	0	0.66154E-06	653531.5	4188313.0	8.0	1.83	3.34	0.40	YES
L0009050	0	0.66154E-06	653524.3	4188313.2	8.0	1.83	3.34	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009051	0	0.66154E-06	653517.1	4188313.4	8.0	1.83	3.34	0.40	YES	
L0009052	0	0.66154E-06	653509.9	4188313.7	8.0	1.83	3.34	0.40	YES	
L0009053	0	0.66154E-06	653502.8	4188313.9	8.0	1.83	3.34	0.40	YES	
L0009054	0	0.66154E-06	653495.6	4188314.1	8.0	1.83	3.34	0.40	YES	
L0009055	0	0.66154E-06	653488.4	4188314.3	8.0	1.83	3.34	0.40	YES	
L0009056	0	0.66154E-06	653481.2	4188314.5	8.0	1.83	3.34	0.40	YES	
L0009057	0	0.66154E-06	653474.0	4188314.7	8.0	1.83	3.34	0.40	YES	
L0009058	0	0.66154E-06	653466.9	4188314.9	8.0	1.83	3.34	0.40	YES	
L0009059	0	0.66154E-06	653459.7	4188315.2	8.0	1.83	3.34	0.40	YES	
L0009060	0	0.66154E-06	653452.5	4188315.4	8.0	1.83	3.34	0.40	YES	
L0009061	0	0.66154E-06	653445.3	4188315.6	8.0	1.83	3.34	0.40	YES	
L0009062	0	0.66154E-06	653438.1	4188315.8	8.0	1.83	3.34	0.40	YES	
L0009063	0	0.66154E-06	653431.0	4188316.0	8.0	1.83	3.34	0.40	YES	
L0009064	0	0.66154E-06	653423.8	4188316.2	8.0	1.83	3.34	0.40	YES	
L0009065	0	0.66154E-06	653416.6	4188316.4	8.0	1.83	3.34	0.40	YES	
L0009066	0	0.66154E-06	653409.4	4188316.7	8.0	1.83	3.34	0.40	YES	
L0009067	0	0.66154E-06	653402.2	4188316.9	8.0	1.83	3.34	0.40	YES	
L0009068	0	0.66154E-06	653395.1	4188317.1	8.0	1.83	3.34	0.40	YES	
L0009069	0	0.66154E-06	653387.9	4188317.3	8.0	1.83	3.34	0.40	YES	
L0009070	0	0.66154E-06	653380.7	4188317.5	8.0	1.83	3.34	0.40	YES	
L0009071	0	0.66154E-06	653373.5	4188317.7	8.0	1.83	3.34	0.40	YES	
L0009072	0	0.66154E-06	653366.3	4188317.9	8.0	1.83	3.34	0.40	YES	
L0009073	0	0.66154E-06	653359.2	4188318.2	8.0	1.83	3.34	0.40	YES	
L0009074	0	0.66154E-06	653352.0	4188318.4	8.0	1.83	3.34	0.40	YES	
L0009075	0	0.66154E-06	653344.8	4188318.6	8.0	1.83	3.34	0.40	YES	
L0009076	0	0.66154E-06	653337.6	4188318.8	8.0	1.83	3.34	0.40	YES	
L0009077	0	0.66154E-06	653330.4	4188319.0	8.0	1.83	3.34	0.40	YES	
L0009078	0	0.66154E-06	653323.3	4188319.2	8.0	1.83	3.34	0.40	YES	
L0009079	0	0.66154E-06	653316.1	4188319.4	8.0	1.83	3.34	0.40	YES	
L0009080	0	0.66154E-06	653308.9	4188319.7	8.0	1.83	3.34	0.40	YES	
L0009081	0	0.66154E-06	653301.7	4188319.9	8.0	1.83	3.34	0.40	YES	
L0009082	0	0.66154E-06	653294.5	4188320.1	8.0	1.83	3.34	0.40	YES	
L0009083	0	0.66154E-06	653287.4	4188320.3	8.0	1.83	3.34	0.40	YES	
L0009084	0	0.66154E-06	653280.2	4188320.5	8.0	1.83	3.34	0.40	YES	
L0009085	0	0.66154E-06	653273.0	4188320.7	8.0	1.83	3.34	0.40	YES	
L0009086	0	0.66154E-06	653265.8	4188320.9	8.0	1.83	3.34	0.40	YES	
L0009087	0	0.66154E-06	653263.8	4188326.4	8.0	1.83	3.38	0.40	YES	
L0009088	0	0.66154E-06	653263.6	4188333.7	8.0	1.83	3.38	0.40	YES	
L0009089	0	0.66154E-06	653263.4	4188341.0	8.0	1.83	3.38	0.40	YES	
L0009090	0	0.66154E-06	653263.2	4188348.3	8.0	1.83	3.38	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009091	0	0.66154E-06	653263.0	4188355.5	8.0	1.83	3.38	0.40	YES	
L0009092	0	0.66154E-06	653262.8	4188362.8	8.0	1.83	3.38	0.40	YES	
L0009093	0	0.66154E-06	653262.6	4188370.1	8.0	1.83	3.38	0.40	YES	
L0009094	0	0.66154E-06	653262.4	4188377.4	8.0	1.83	3.38	0.40	YES	
L0009095	0	0.66154E-06	653262.2	4188384.6	8.0	1.83	3.38	0.40	YES	
L0009096	0	0.66154E-06	653262.0	4188391.9	8.0	1.83	3.38	0.40	YES	
L0009097	0	0.66154E-06	653261.8	4188399.2	8.0	1.83	3.38	0.40	YES	
L0009098	0	0.66154E-06	653261.6	4188406.5	8.0	1.83	3.38	0.40	YES	
L0009099	0	0.66154E-06	653261.4	4188413.7	8.0	1.83	3.38	0.40	YES	
L0009100	0	0.66154E-06	653261.2	4188421.0	8.0	1.83	3.38	0.40	YES	
L0009101	0	0.66154E-06	653261.0	4188428.3	8.0	1.83	3.38	0.40	YES	
L0009102	0	0.66154E-06	653260.8	4188435.5	8.0	1.83	3.38	0.40	YES	
L0009103	0	0.66154E-06	653260.6	4188442.8	8.0	1.83	3.38	0.40	YES	
L0009104	0	0.66154E-06	653260.4	4188450.1	8.0	1.83	3.38	0.40	YES	
L0009105	0	0.66154E-06	653260.2	4188457.4	8.0	1.83	3.38	0.40	YES	
L0009106	0	0.66154E-06	653260.0	4188464.6	8.0	1.83	3.38	0.40	YES	
L0009107	0	0.66154E-06	653259.8	4188471.9	8.0	1.83	3.38	0.40	YES	
L0009108	0	0.66154E-06	653259.6	4188479.2	8.0	1.83	3.38	0.40	YES	
L0009109	0	0.66154E-06	653259.4	4188486.5	8.0	1.83	3.38	0.40	YES	
L0009110	0	0.66154E-06	653259.2	4188493.7	8.0	1.83	3.38	0.40	YES	
L0009111	0	0.66154E-06	653259.0	4188501.0	8.0	1.83	3.38	0.40	YES	
L0009112	0	0.66154E-06	653258.8	4188508.3	8.0	1.83	3.38	0.40	YES	
L0009113	0	0.66154E-06	653258.6	4188515.6	8.0	1.83	3.38	0.40	YES	
L0009114	0	0.66154E-06	653258.4	4188522.8	8.0	1.83	3.38	0.40	YES	

L0009115	0	0.66154E-06	653258.2	4188530.1	8.0	1.83	3.38	0.40	YES
L0009116	0	0.66154E-06	653258.0	4188537.4	8.0	1.83	3.38	0.40	YES
L0009117	0	0.66154E-06	653257.8	4188544.6	8.0	1.83	3.38	0.40	YES
L0009118	0	0.66154E-06	653257.6	4188551.9	8.0	1.83	3.38	0.40	YES
L0009119	0	0.11446E-05	653510.4	4189978.0	8.0	1.83	3.36	0.40	YES
L0009120	0	0.11446E-05	653503.1	4189978.0	8.0	1.83	3.36	0.40	YES
L0009121	0	0.11446E-05	653495.9	4189978.0	8.0	1.83	3.36	0.40	YES
L0009122	0	0.11446E-05	653488.7	4189978.0	8.0	1.83	3.36	0.40	YES
L0009123	0	0.11446E-05	653481.4	4189978.0	8.0	1.83	3.36	0.40	YES
L0009124	0	0.11446E-05	653474.2	4189978.0	8.0	1.83	3.36	0.40	YES
L0009125	0	0.11446E-05	653467.0	4189977.9	8.0	1.83	3.36	0.40	YES
L0009126	0	0.11446E-05	653459.8	4189977.9	8.0	1.83	3.36	0.40	YES
L0009127	0	0.11446E-05	653452.5	4189977.9	8.0	1.83	3.36	0.40	YES
L0009128	0	0.11446E-05	653445.3	4189977.9	8.0	1.83	3.36	0.40	YES
L0009129	0	0.11446E-05	653438.1	4189977.9	8.0	1.83	3.36	0.40	YES
L0009130	0	0.11446E-05	653430.9	4189977.9	8.0	1.83	3.36	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009131	0	0.11446E-05	653423.6	4189977.9	8.0	1.83	3.36	0.40	YES	
L0009132	0	0.11446E-05	653416.4	4189977.9	8.0	1.83	3.36	0.40	YES	
L0009133	0	0.11446E-05	653409.2	4189977.9	8.0	1.83	3.36	0.40	YES	
L0009134	0	0.11446E-05	653401.9	4189977.9	8.0	1.83	3.36	0.40	YES	
L0009135	0	0.11446E-05	653394.7	4189977.9	8.0	1.83	3.36	0.40	YES	
L0009136	0	0.11446E-05	653387.5	4189977.9	8.0	1.83	3.36	0.40	YES	
L0009137	0	0.11446E-05	653380.3	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009138	0	0.11446E-05	653373.0	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009139	0	0.11446E-05	653365.8	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009140	0	0.11446E-05	653358.6	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009141	0	0.11446E-05	653351.3	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009142	0	0.11446E-05	653344.1	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009143	0	0.11446E-05	653336.9	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009144	0	0.11446E-05	653329.7	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009145	0	0.11446E-05	653322.4	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009146	0	0.11446E-05	653315.2	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009147	0	0.11446E-05	653308.0	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009148	0	0.11446E-05	653300.7	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009149	0	0.11446E-05	653293.5	4189977.8	8.0	1.83	3.36	0.40	YES	
L0009150	0	0.11446E-05	653291.8	4189972.4	8.0	1.83	3.35	0.40	YES	
L0009151	0	0.11446E-05	653292.0	4189965.2	8.0	1.83	3.35	0.40	YES	
L0009152	0	0.11446E-05	653292.2	4189958.0	8.0	1.83	3.35	0.40	YES	
L0009153	0	0.11446E-05	653292.4	4189950.8	8.0	1.83	3.35	0.40	YES	
L0009154	0	0.11446E-05	653292.6	4189943.5	8.0	1.83	3.35	0.40	YES	
L0009155	0	0.11446E-05	653292.7	4189936.3	8.0	1.83	3.35	0.40	YES	
L0009156	0	0.11446E-05	653292.9	4189929.1	8.0	1.83	3.35	0.40	YES	
L0009157	0	0.11446E-05	653293.1	4189921.9	8.0	1.83	3.35	0.40	YES	
L0009158	0	0.11446E-05	653293.3	4189914.7	8.0	1.83	3.35	0.40	YES	
L0009159	0	0.11446E-05	653293.5	4189907.5	8.0	1.83	3.35	0.40	YES	
L0009160	0	0.11446E-05	653293.6	4189900.3	8.0	1.83	3.35	0.40	YES	
L0009161	0	0.11446E-05	653293.8	4189893.1	8.0	1.83	3.35	0.40	YES	
L0009162	0	0.11446E-05	653294.0	4189885.9	8.0	1.83	3.35	0.40	YES	
L0009163	0	0.11446E-05	653294.2	4189878.7	8.0	1.83	3.35	0.40	YES	
L0009164	0	0.11446E-05	653294.4	4189871.5	8.0	1.83	3.35	0.40	YES	
L0009165	0	0.11446E-05	653294.6	4189864.3	8.0	1.83	3.35	0.40	YES	
L0009166	0	0.11446E-05	653294.7	4189857.1	8.0	1.83	3.35	0.40	YES	
L0009167	0	0.11446E-05	653294.9	4189849.9	8.0	1.83	3.35	0.40	YES	
L0009168	0	0.11446E-05	653295.1	4189842.7	8.0	1.83	3.35	0.40	YES	
L0009169	0	0.11446E-05	653295.3	4189835.5	8.0	1.83	3.35	0.40	YES	
L0009170	0	0.11446E-05	653295.5	4189828.3	8.0	1.83	3.35	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009171	0	0.11446E-05	653295.6	4189821.0	8.0	1.83	3.35	0.40	YES	
L0009172	0	0.11446E-05	653295.8	4189813.8	8.0	1.83	3.35	0.40	YES	
L0009173	0	0.11446E-05	653296.0	4189806.6	8.0	1.83	3.35	0.40	YES	
L0009174	0	0.11446E-05	653296.2	4189799.4	8.0	1.83	3.35	0.40	YES	
L0009175	0	0.11446E-05	653296.4	4189792.2	8.0	1.83	3.35	0.40	YES	
L0009176	0	0.11446E-05	653296.6	4189785.0	8.0	1.83	3.35	0.40	YES	
L0009177	0	0.11446E-05	653296.7	4189777.8	8.0	1.83	3.35	0.40	YES	
L0009178	0	0.11446E-05	653296.9	4189770.6	8.0	1.83	3.35	0.40	YES	
L0009179	0	0.11446E-05	653297.1	4189763.4	8.0	1.83	3.35	0.40	YES	
L0009180	0	0.11446E-05	653297.3	4189756.2	8.0	1.83	3.35	0.40	YES	
L0009181	0	0.11446E-05	653297.5	4189749.0	8.0	1.83	3.35	0.40	YES	
L0009182	0	0.11446E-05	653297.6	4189741.8	8.0	1.83	3.35	0.40	YES	
L0009183	0	0.11446E-05	653297.8	4189734.6	8.0	1.83	3.35	0.40	YES	
L0009184	0	0.12551E-05	653508.8	4189977.8	8.0	1.83	3.34	0.40	YES	
L0009185	0	0.12551E-05	653501.6	4189977.8	8.0	1.83	3.34	0.40	YES	
L0009186	0	0.12551E-05	653494.4	4189977.8	8.0	1.83	3.34	0.40	YES	
L0009187	0	0.12551E-05	653487.3	4189977.8	8.0	1.83	3.34	0.40	YES	
L0009188	0	0.12551E-05	653480.1	4189977.9	8.0	1.83	3.34	0.40	YES	
L0009189	0	0.12551E-05	653472.9	4189977.9	8.0	1.83	3.34	0.40	YES	
L0009190	0	0.12551E-05	653465.7	4189977.9	8.0	1.83	3.34	0.40	YES	
L0009191	0	0.12551E-05	653458.5	4189977.9	8.0	1.83	3.34	0.40	YES	
L0009192	0	0.12551E-05	653451.4	4189978.0	8.0	1.83	3.34	0.40	YES	

L0009193	0	0.12551E-05	653444.2	4189978.0	8.0	1.83	3.34	0.40	YES
L0009194	0	0.12551E-05	653437.0	4189978.0	8.0	1.83	3.34	0.40	YES
L0009195	0	0.12551E-05	653429.8	4189978.0	8.0	1.83	3.34	0.40	YES
L0009196	0	0.12551E-05	653422.6	4189978.1	8.0	1.83	3.34	0.40	YES
L0009197	0	0.12551E-05	653415.5	4189978.1	8.0	1.83	3.34	0.40	YES
L0009198	0	0.12551E-05	653408.3	4189978.1	8.0	1.83	3.34	0.40	YES
L0009199	0	0.12551E-05	653401.1	4189978.1	8.0	1.83	3.34	0.40	YES
L0009200	0	0.12551E-05	653393.9	4189978.1	8.0	1.83	3.34	0.40	YES
L0009201	0	0.12551E-05	653386.7	4189978.2	8.0	1.83	3.34	0.40	YES
L0009202	0	0.12551E-05	653379.6	4189978.2	8.0	1.83	3.34	0.40	YES
L0009203	0	0.12551E-05	653372.4	4189978.2	8.0	1.83	3.34	0.40	YES
L0009204	0	0.12551E-05	653365.2	4189978.2	8.0	1.83	3.34	0.40	YES
L0009205	0	0.12551E-05	653358.0	4189978.3	8.0	1.83	3.34	0.40	YES
L0009206	0	0.12551E-05	653350.8	4189978.3	8.0	1.83	3.34	0.40	YES
L0009207	0	0.12551E-05	653343.7	4189978.3	8.0	1.83	3.34	0.40	YES
L0009208	0	0.12551E-05	653336.5	4189978.3	8.0	1.83	3.34	0.40	YES
L0009209	0	0.12551E-05	653329.3	4189978.4	8.0	1.83	3.34	0.40	YES
L0009210	0	0.12551E-05	653322.1	4189978.4	8.0	1.83	3.34	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009211	0	0.12551E-05	653314.9	4189978.4	8.0	1.83	3.34	0.40	YES	
L0009212	0	0.12551E-05	653307.8	4189978.4	8.0	1.83	3.34	0.40	YES	
L0009213	0	0.12551E-05	653300.6	4189978.5	8.0	1.83	3.34	0.40	YES	
L0009214	0	0.12551E-05	653293.4	4189978.5	8.0	1.83	3.34	0.40	YES	
L0009215	0	0.12551E-05	653291.8	4189973.1	8.0	1.83	3.37	0.40	YES	
L0009216	0	0.12551E-05	653292.1	4189965.9	8.0	1.83	3.37	0.40	YES	
L0009217	0	0.12551E-05	653292.4	4189958.6	8.0	1.83	3.37	0.40	YES	
L0009218	0	0.12551E-05	653292.7	4189951.4	8.0	1.83	3.37	0.40	YES	
L0009219	0	0.12551E-05	653293.0	4189944.2	8.0	1.83	3.37	0.40	YES	
L0009220	0	0.12551E-05	653293.3	4189936.9	8.0	1.83	3.37	0.40	YES	
L0009221	0	0.12551E-05	653293.6	4189929.7	8.0	1.83	3.37	0.40	YES	
L0009222	0	0.12551E-05	653293.9	4189922.5	8.0	1.83	3.37	0.40	YES	
L0009223	0	0.12551E-05	653294.2	4189915.2	8.0	1.83	3.37	0.40	YES	
L0009224	0	0.12551E-05	653294.5	4189908.0	8.0	1.83	3.37	0.40	YES	
L0009225	0	0.12551E-05	653294.9	4189900.8	8.0	1.83	3.37	0.40	YES	
L0009226	0	0.12551E-05	653295.2	4189893.6	8.0	1.83	3.37	0.40	YES	
L0009227	0	0.12551E-05	653295.5	4189886.3	8.0	1.83	3.37	0.40	YES	
L0009228	0	0.12551E-05	653295.8	4189879.1	8.0	1.83	3.37	0.40	YES	
L0009229	0	0.12551E-05	653296.1	4189871.9	8.0	1.83	3.37	0.40	YES	
L0009230	0	0.12551E-05	653296.4	4189864.6	8.0	1.83	3.37	0.40	YES	
L0009231	0	0.12551E-05	653296.7	4189857.4	8.0	1.83	3.37	0.40	YES	
L0009232	0	0.12551E-05	653297.0	4189850.2	8.0	1.83	3.37	0.40	YES	
L0009233	0	0.12551E-05	653297.3	4189842.9	8.0	1.83	3.37	0.40	YES	
L0009234	0	0.12551E-05	653297.6	4189835.7	8.0	1.83	3.37	0.40	YES	
L0009235	0	0.12551E-05	653297.9	4189828.5	8.0	1.83	3.37	0.40	YES	
L0009236	0	0.12551E-05	653298.2	4189821.2	8.0	1.83	3.37	0.40	YES	
L0009237	0	0.12551E-05	653298.5	4189814.0	8.0	1.83	3.37	0.40	YES	
L0009238	0	0.12551E-05	653298.8	4189806.8	8.0	1.83	3.37	0.40	YES	
L0009239	0	0.12551E-05	653299.1	4189799.5	8.0	1.83	3.37	0.40	YES	
L0009240	0	0.12551E-05	653299.4	4189792.3	8.0	1.83	3.37	0.40	YES	
L0009241	0	0.12551E-05	653299.7	4189785.1	8.0	1.83	3.37	0.40	YES	
L0009242	0	0.12551E-05	653300.1	4189777.8	8.0	1.83	3.37	0.40	YES	
L0009243	0	0.12551E-05	653300.4	4189770.6	8.0	1.83	3.37	0.40	YES	
L0009244	0	0.12551E-05	653300.7	4189763.4	8.0	1.83	3.37	0.40	YES	
L0009245	0	0.12551E-05	653301.0	4189756.2	8.0	1.83	3.37	0.40	YES	
L0009246	0	0.12551E-05	653301.3	4189748.9	8.0	1.83	3.37	0.40	YES	
L0009247	0	0.12551E-05	653301.6	4189741.7	8.0	1.83	3.37	0.40	YES	
L0009248	0	0.12551E-05	653301.9	4189734.5	8.0	1.83	3.37	0.40	YES	
L0009249	0	0.12551E-05	653302.2	4189727.2	8.0	1.83	3.37	0.40	YES	
L0009250	0	0.12551E-05	653302.5	4189720.0	8.0	1.83	3.37	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009251	0	0.12551E-05	653302.8	4189712.8	8.0	1.83	3.37	0.40	YES	
L0009252	0	0.12551E-05	653303.1	4189705.5	8.0	1.83	3.37	0.40	YES	
L0009253	0	0.12551E-05	653303.4	4189698.3	8.0	1.83	3.37	0.40	YES	
L0009254	0	0.12551E-05	653303.7	4189691.1	8.0	1.83	3.37	0.40	YES	
L0009255	0	0.12551E-05	653304.0	4189683.8	8.0	1.83	3.37	0.40	YES	
L0009256	0	0.12551E-05	653304.3	4189676.6	8.0	1.83	3.37	0.40	YES	
L0009257	0	0.12551E-05	653304.6	4189669.4	8.0	1.83	3.37	0.40	YES	
L0009258	0	0.12551E-05	653304.9	4189662.1	8.0	1.83	3.37	0.40	YES	
L0009259	0	0.12551E-05	653305.3	4189654.9	8.0	1.83	3.37	0.40	YES	
L0009260	0	0.12551E-05	653305.6	4189647.7	8.0	1.83	3.37	0.40	YES	
L0009261	0	0.12551E-05	653305.9	4189640.5	8.0	1.83	3.37	0.40	YES	
L0009262	0	0.12551E-05	653306.2	4189633.2	8.0	1.83	3.37	0.40	YES	
L0009263	0	0.12551E-05	653306.5	4189626.0	8.0	1.83	3.37	0.40	YES	
L0009264	0	0.12551E-05	653306.8	4189618.8	8.0	1.83	3.37	0.40	YES	
L0009265	0	0.12551E-05	653307.1	4189611.5	8.0	1.83	3.37	0.40	YES	
L0009266	0	0.12551E-05	653307.4	4189604.3	8.0	1.83	3.37	0.40	YES	
L0009267	0	0.12551E-05	653307.7	4189597.1	8.0	1.83	3.37	0.40	YES	
L0009268	0	0.12551E-05	653308.0	4189589.8	8.0	1.83	3.37	0.40	YES	
L0009269	0	0.12551E-05	653308.3	4189582.6	8.0	1.83	3.37	0.40	YES	
L0009270	0	0.12551E-05	653308.6	4189575.4	8.0	1.83	3.37	0.40	YES	

L0009271	0	0.12551E-05	653308.9	4189568.1	8.0	1.83	3.37	0.40	YES
L0009272	0	0.12551E-05	653309.2	4189560.9	8.0	1.83	3.37	0.40	YES
L0009273	0	0.12551E-05	653309.5	4189553.7	8.0	1.83	3.37	0.40	YES
L0009274	0	0.12551E-05	653309.8	4189546.4	8.0	1.83	3.37	0.40	YES
L0009275	0	0.12551E-05	653310.1	4189539.2	8.0	1.83	3.37	0.40	YES
L0009276	0	0.12551E-05	653310.5	4189532.0	8.0	1.83	3.37	0.40	YES
L0009277	0	0.12551E-05	653310.8	4189524.8	8.0	1.83	3.37	0.40	YES
L0009278	0	0.12551E-05	653311.1	4189517.5	8.0	1.83	3.37	0.40	YES
L0009279	0	0.12551E-05	653311.4	4189510.3	8.0	1.83	3.37	0.40	YES
L0009280	0	0.12551E-05	653311.7	4189503.1	8.0	1.83	3.37	0.40	YES
L0009281	0	0.12551E-05	653312.0	4189495.8	8.0	1.83	3.37	0.40	YES
L0009282	0	0.11556E-05	653557.7	4189224.5	8.0	1.83	3.33	0.40	YES
L0009283	0	0.11556E-05	653550.5	4189224.4	8.0	1.83	3.33	0.40	YES
L0009284	0	0.11556E-05	653543.3	4189224.3	8.0	1.83	3.33	0.40	YES
L0009285	0	0.11556E-05	653536.2	4189224.3	8.0	1.83	3.33	0.40	YES
L0009286	0	0.11556E-05	653529.0	4189224.2	8.0	1.83	3.33	0.40	YES
L0009287	0	0.11556E-05	653521.9	4189224.1	8.0	1.83	3.33	0.40	YES
L0009288	0	0.11556E-05	653514.7	4189224.1	8.0	1.83	3.33	0.40	YES
L0009289	0	0.11556E-05	653507.5	4189224.0	8.0	1.83	3.33	0.40	YES
L0009290	0	0.11556E-05	653500.4	4189223.9	8.0	1.83	3.33	0.40	YES

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*** VOLUME SOURCE DATA ***

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L0009291	0	0.11556E-05	653493.2	4189223.9	8.0	1.83	3.33	0.40	YES	
L0009292	0	0.11556E-05	653486.0	4189223.8	8.0	1.83	3.33	0.40	YES	
L0009293	0	0.11556E-05	653478.9	4189223.7	8.0	1.83	3.33	0.40	YES	
L0009294	0	0.11556E-05	653471.7	4189223.7	8.0	1.83	3.33	0.40	YES	
L0009295	0	0.11556E-05	653464.5	4189223.6	8.0	1.83	3.33	0.40	YES	
L0009296	0	0.11556E-05	653457.4	4189223.5	8.0	1.83	3.33	0.40	YES	
L0009297	0	0.11556E-05	653450.2	4189223.5	8.0	1.83	3.33	0.40	YES	
L0009298	0	0.11556E-05	653443.1	4189223.4	8.0	1.83	3.33	0.40	YES	
L0009299	0	0.11556E-05	653435.9	4189223.3	8.0	1.83	3.33	0.40	YES	
L0009300	0	0.11556E-05	653428.7	4189223.3	8.0	1.83	3.33	0.40	YES	
L0009301	0	0.11556E-05	653421.6	4189223.2	8.0	1.83	3.33	0.40	YES	
L0009302	0	0.11556E-05	653414.4	4189223.1	8.0	1.83	3.33	0.40	YES	
L0009303	0	0.11556E-05	653407.2	4189223.1	8.0	1.83	3.33	0.40	YES	
L0009304	0	0.11556E-05	653400.1	4189223.0	8.0	1.83	3.33	0.40	YES	
L0009305	0	0.11556E-05	653392.9	4189222.9	8.0	1.83	3.33	0.40	YES	
L0009306	0	0.11556E-05	653385.7	4189222.9	8.0	1.83	3.33	0.40	YES	
L0009307	0	0.11556E-05	653378.6	4189222.8	8.0	1.83	3.33	0.40	YES	
L0009308	0	0.11556E-05	653371.4	4189222.7	8.0	1.83	3.33	0.40	YES	
L0009309	0	0.11556E-05	653364.2	4189222.7	8.0	1.83	3.33	0.40	YES	
L0009310	0	0.11556E-05	653357.1	4189222.6	8.0	1.83	3.33	0.40	YES	
L0009311	0	0.11556E-05	653349.9	4189222.5	8.0	1.83	3.33	0.40	YES	
L0009312	0	0.11556E-05	653342.8	4189222.5	8.0	1.83	3.33	0.40	YES	
L0009313	0	0.11556E-05	653335.6	4189222.4	8.0	1.83	3.33	0.40	YES	
L0009314	0	0.11556E-05	653328.4	4189222.3	8.0	1.83	3.33	0.40	YES	
L0009315	0	0.11556E-05	653321.3	4189222.3	8.0	1.83	3.33	0.40	YES	
L0009316	0	0.11556E-05	653319.3	4189227.6	8.0	1.83	3.33	0.40	YES	
L0009317	0	0.11556E-05	653319.2	4189234.7	8.0	1.83	3.33	0.40	YES	
L0009318	0	0.11556E-05	653319.0	4189241.9	8.0	1.83	3.33	0.40	YES	
L0009319	0	0.11556E-05	653318.9	4189249.0	8.0	1.83	3.33	0.40	YES	
L0009320	0	0.11556E-05	653318.7	4189256.2	8.0	1.83	3.33	0.40	YES	
L0009321	0	0.11556E-05	653318.6	4189263.4	8.0	1.83	3.33	0.40	YES	
L0009322	0	0.11556E-05	653318.4	4189270.5	8.0	1.83	3.33	0.40	YES	
L0009323	0	0.11556E-05	653318.3	4189277.7	8.0	1.83	3.33	0.40	YES	
L0009324	0	0.11556E-05	653318.1	4189284.8	8.0	1.83	3.33	0.40	YES	
L0009325	0	0.11556E-05	653318.0	4189292.0	8.0	1.83	3.33	0.40	YES	
L0009326	0	0.11556E-05	653317.8	4189299.1	8.0	1.83	3.33	0.40	YES	
L0009327	0	0.11556E-05	653317.7	4189306.3	8.0	1.83	3.33	0.40	YES	
L0009328	0	0.11556E-05	653317.5	4189313.4	8.0	1.83	3.33	0.40	YES	
L0009329	0	0.11556E-05	653317.4	4189320.6	8.0	1.83	3.33	0.40	YES	
L0009330	0	0.11556E-05	653317.2	4189327.7	8.0	1.83	3.33	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009331	0	0.11556E-05	653317.1	4189334.9	8.0	1.83	3.33	0.40	YES	
L0009332	0	0.11556E-05	653316.9	4189342.1	8.0	1.83	3.33	0.40	YES	
L0009333	0	0.11556E-05	653316.8	4189349.2	8.0	1.83	3.33	0.40	YES	
L0009334	0	0.11556E-05	653316.6	4189356.4	8.0	1.83	3.33	0.40	YES	
L0009335	0	0.11556E-05	653316.5	4189363.5	8.0	1.83	3.33	0.40	YES	
L0009336	0	0.11556E-05	653316.3	4189370.7	8.0	1.83	3.33	0.40	YES	
L0009337	0	0.11556E-05	653316.2	4189377.8	8.0	1.83	3.33	0.40	YES	
L0009338	0	0.11556E-05	653316.0	4189385.0	8.0	1.83	3.33	0.40	YES	
L0009339	0	0.11556E-05	653315.9	4189392.1	8.0	1.83	3.33	0.40	YES	
L0009340	0	0.11556E-05	653315.7	4189399.3	8.0	1.83	3.33	0.40	YES	
L0009341	0	0.11556E-05	653315.6	4189406.5	8.0	1.83	3.33	0.40	YES	
L0009342	0	0.11556E-05	653315.4	4189413.6	8.0	1.83	3.33	0.40	YES	
L0009343	0	0.11556E-05	653315.3	4189420.8	8.0	1.83	3.33	0.40	YES	
L0009344	0	0.11556E-05	653315.1	4189427.9	8.0	1.83	3.33	0.40	YES	
L0009345	0	0.12204E-05	653560.0	4189224.0	8.0	1.83	3.23	0.40	YES	
L0009346	0	0.12204E-05	653553.1	4189224.0	8.0	1.83	3.23	0.40	YES	
L0009347	0	0.12204E-05	653546.2	4189223.9	8.0	1.83	3.23	0.40	YES	
L0009348	0	0.12204E-05	653539.2	4189223.9	8.0	1.83	3.23	0.40	YES	

L0009349	0	0.12204E-05	653532.3	4189223.9	8.0	1.83	3.23	0.40	YES
L0009350	0	0.12204E-05	653525.4	4189223.8	8.0	1.83	3.23	0.40	YES
L0009351	0	0.12204E-05	653518.4	4189223.8	8.0	1.83	3.23	0.40	YES
L0009352	0	0.12204E-05	653511.5	4189223.8	8.0	1.83	3.23	0.40	YES
L0009353	0	0.12204E-05	653504.6	4189223.7	8.0	1.83	3.23	0.40	YES
L0009354	0	0.12204E-05	653497.6	4189223.7	8.0	1.83	3.23	0.40	YES
L0009355	0	0.12204E-05	653490.7	4189223.7	8.0	1.83	3.23	0.40	YES
L0009356	0	0.12204E-05	653483.8	4189223.6	8.0	1.83	3.23	0.40	YES
L0009357	0	0.12204E-05	653476.8	4189223.6	8.0	1.83	3.23	0.40	YES
L0009358	0	0.12204E-05	653469.9	4189223.6	8.0	1.83	3.23	0.40	YES
L0009359	0	0.12204E-05	653463.0	4189223.5	8.0	1.83	3.23	0.40	YES
L0009360	0	0.12204E-05	653456.0	4189223.5	8.0	1.83	3.23	0.40	YES
L0009361	0	0.12204E-05	653454.4	4189218.2	8.0	1.83	3.33	0.40	YES
L0009362	0	0.12204E-05	653454.8	4189211.0	8.0	1.83	3.33	0.40	YES
L0009363	0	0.12204E-05	653455.1	4189203.9	8.0	1.83	3.33	0.40	YES
L0009364	0	0.12204E-05	653455.5	4189196.7	8.0	1.83	3.33	0.40	YES
L0009365	0	0.12204E-05	653455.8	4189189.6	8.0	1.83	3.33	0.40	YES
L0009366	0	0.12204E-05	653456.2	4189182.4	8.0	1.83	3.33	0.40	YES
L0009367	0	0.12204E-05	653456.5	4189175.3	8.0	1.83	3.33	0.40	YES
L0009368	0	0.12204E-05	653456.9	4189168.1	8.0	1.83	3.33	0.40	YES
L0009369	0	0.12204E-05	653457.2	4189161.0	8.0	1.83	3.33	0.40	YES
L0009370	0	0.12204E-05	653457.6	4189153.8	8.0	1.83	3.33	0.40	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009371	0	0.12204E-05	653457.9	4189146.7	8.0	1.83	3.33	0.40	YES	
L0009372	0	0.12204E-05	653458.2	4189139.5	8.0	1.83	3.33	0.40	YES	
L0009373	0	0.12204E-05	653458.6	4189132.4	8.0	1.83	3.33	0.40	YES	
L0009374	0	0.12204E-05	653458.9	4189125.2	8.0	1.83	3.33	0.40	YES	
L0009375	0	0.12204E-05	653459.3	4189118.1	8.0	1.83	3.33	0.40	YES	
L0009376	0	0.12204E-05	653459.6	4189110.9	8.0	1.83	3.33	0.40	YES	
L0009377	0	0.12204E-05	653460.0	4189103.8	8.0	1.83	3.33	0.40	YES	
L0009378	0	0.12204E-05	653460.3	4189096.6	8.0	1.83	3.33	0.40	YES	
L0009379	0	0.12204E-05	653460.7	4189089.5	8.0	1.83	3.33	0.40	YES	
L0009380	0	0.12204E-05	653461.0	4189082.3	8.0	1.83	3.33	0.40	YES	
L0009381	0	0.12204E-05	653461.4	4189075.1	8.0	1.83	3.33	0.40	YES	
L0009382	0	0.12204E-05	653461.7	4189068.0	8.0	1.83	3.33	0.40	YES	
L0009383	0	0.12204E-05	653462.0	4189060.8	8.0	1.83	3.33	0.40	YES	
L0009384	0	0.12204E-05	653462.4	4189053.7	8.0	1.83	3.33	0.40	YES	
L0009385	0	0.12204E-05	653462.7	4189046.5	8.0	1.83	3.33	0.40	YES	
L0009386	0	0.12204E-05	653463.1	4189039.4	8.0	1.83	3.33	0.40	YES	
L0009387	0	0.12204E-05	653463.4	4189032.2	8.0	1.83	3.33	0.40	YES	
L0009388	0	0.12204E-05	653463.8	4189025.1	8.0	1.83	3.33	0.40	YES	
L0009389	0	0.12204E-05	653464.1	4189017.9	8.0	1.83	3.33	0.40	YES	
L0009390	0	0.12204E-05	653464.5	4189010.8	8.0	1.83	3.33	0.40	YES	
L0009391	0	0.12204E-05	653464.8	4189003.6	8.0	1.83	3.33	0.40	YES	
L0009392	0	0.12204E-05	653465.2	4188996.5	8.0	1.83	3.33	0.40	YES	
L0009393	0	0.12204E-05	653465.5	4188989.3	8.0	1.83	3.33	0.40	YES	
L0009394	0	0.12204E-05	653465.8	4188982.2	8.0	1.83	3.33	0.40	YES	
L0009395	0	0.12204E-05	653466.2	4188975.0	8.0	1.83	3.33	0.40	YES	
L0009396	0	0.12204E-05	653466.5	4188967.9	8.0	1.83	3.33	0.40	YES	
L0009397	0	0.12204E-05	653466.9	4188960.7	8.0	1.83	3.33	0.40	YES	
L0009398	0	0.12204E-05	653467.2	4188953.6	8.0	1.83	3.33	0.40	YES	
L0009399	0	0.95122E-06	653562.0	4189224.5	8.0	1.83	3.30	0.40	YES	
L0009400	0	0.95122E-06	653555.0	4189224.4	8.0	1.83	3.30	0.40	YES	
L0009401	0	0.95122E-06	653547.9	4189224.3	8.0	1.83	3.30	0.40	YES	
L0009402	0	0.95122E-06	653540.8	4189224.2	8.0	1.83	3.30	0.40	YES	
L0009403	0	0.95122E-06	653533.7	4189224.2	8.0	1.83	3.30	0.40	YES	
L0009404	0	0.95122E-06	653526.6	4189224.1	8.0	1.83	3.30	0.40	YES	
L0009405	0	0.95122E-06	653519.5	4189224.0	8.0	1.83	3.30	0.40	YES	
L0009406	0	0.95122E-06	653512.4	4189223.9	8.0	1.83	3.30	0.40	YES	
L0009407	0	0.95122E-06	653505.3	4189223.8	8.0	1.83	3.30	0.40	YES	
L0009408	0	0.95122E-06	653498.2	4189223.8	8.0	1.83	3.30	0.40	YES	
L0009409	0	0.95122E-06	653491.2	4189223.7	8.0	1.83	3.30	0.40	YES	
L0009410	0	0.95122E-06	653484.1	4189223.6	8.0	1.83	3.30	0.40	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009411	0	0.95122E-06	653477.0	4189223.5	8.0	1.83	3.30	0.40	YES	
L0009412	0	0.95122E-06	653469.9	4189223.4	8.0	1.83	3.30	0.40	YES	
L0009413	0	0.95122E-06	653462.8	4189223.4	8.0	1.83	3.30	0.40	YES	
L0009414	0	0.95122E-06	653455.7	4189223.3	8.0	1.83	3.30	0.40	YES	
L0009415	0	0.95122E-06	653454.1	4189217.9	8.0	1.83	3.36	0.40	YES	
L0009416	0	0.95122E-06	653454.5	4189210.7	8.0	1.83	3.36	0.40	YES	
L0009417	0	0.95122E-06	653454.9	4189203.5	8.0	1.83	3.36	0.40	YES	
L0009418	0	0.95122E-06	653455.2	4189196.2	8.0	1.83	3.36	0.40	YES	
L0009419	0	0.95122E-06	653455.6	4189189.0	8.0	1.83	3.36	0.40	YES	
L0009420	0	0.95122E-06	653456.0	4189181.8	8.0	1.83	3.36	0.40	YES	
L0009421	0	0.95122E-06	653456.3	4189174.6	8.0	1.83	3.36	0.40	YES	
L0009422	0	0.95122E-06	653456.7	4189167.4	8.0	1.83	3.36	0.40	YES	
L0009423	0	0.95122E-06	653457.1	4189160.2	8.0	1.83	3.36	0.40	YES	
L0009424	0	0.95122E-06	653457.4	4189153.0	8.0	1.83	3.36	0.40	YES	
L0009425	0	0.95122E-06	653457.8	4189145.8	8.0	1.83	3.36	0.40	YES	
L0009426	0	0.95122E-06	653458.2	4189138.6	8.0	1.83	3.36	0.40	YES	

L0009427	0	0.95122E-06	653458.5	4189131.4	8.0	1.83	3.36	0.40	YES
L0009428	0	0.95122E-06	653458.9	4189124.2	8.0	1.83	3.36	0.40	YES
L0009429	0	0.95122E-06	653459.3	4189117.0	8.0	1.83	3.36	0.40	YES
L0009430	0	0.95122E-06	653459.6	4189109.7	8.0	1.83	3.36	0.40	YES
L0009431	0	0.95122E-06	653460.0	4189102.5	8.0	1.83	3.36	0.40	YES
L0009432	0	0.95122E-06	653460.4	4189095.3	8.0	1.83	3.36	0.40	YES
L0009433	0	0.95122E-06	653460.7	4189088.1	8.0	1.83	3.36	0.40	YES
L0009434	0	0.95122E-06	653461.1	4189080.9	8.0	1.83	3.36	0.40	YES
L0009435	0	0.95122E-06	653461.5	4189073.7	8.0	1.83	3.36	0.40	YES
L0009436	0	0.95122E-06	653461.8	4189066.5	8.0	1.83	3.36	0.40	YES
L0009437	0	0.95122E-06	653462.2	4189059.3	8.0	1.83	3.36	0.40	YES
L0009438	0	0.95122E-06	653462.6	4189052.1	8.0	1.83	3.36	0.40	YES
L0009439	0	0.95122E-06	653462.9	4189044.9	8.0	1.83	3.36	0.40	YES
L0009440	0	0.95122E-06	653463.3	4189037.7	8.0	1.83	3.36	0.40	YES
L0009441	0	0.95122E-06	653463.7	4189030.5	8.0	1.83	3.36	0.40	YES
L0009442	0	0.95122E-06	653464.0	4189023.2	8.0	1.83	3.36	0.40	YES
L0009443	0	0.95122E-06	653464.4	4189016.0	8.0	1.83	3.36	0.40	YES
L0009444	0	0.95122E-06	653464.7	4189008.8	8.0	1.83	3.36	0.40	YES
L0009445	0	0.95122E-06	653465.1	4189001.6	8.0	1.83	3.36	0.40	YES
L0009446	0	0.95122E-06	653465.5	4188994.4	8.0	1.83	3.36	0.40	YES
L0009447	0	0.95122E-06	653465.8	4188987.2	8.0	1.83	3.36	0.40	YES
L0009448	0	0.95122E-06	653466.2	4188980.0	8.0	1.83	3.36	0.40	YES
L0009449	0	0.95122E-06	653466.6	4188972.8	8.0	1.83	3.36	0.40	YES
L0009450	0	0.95122E-06	653466.9	4188965.6	8.0	1.83	3.36	0.40	YES

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*** VOLUME SOURCE DATA ***

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L0009451	0	0.95122E-06	653467.3	4188958.4	8.0	1.83	3.36	0.40	YES	
L0009452	0	0.95122E-06	653467.7	4188951.2	8.0	1.83	3.36	0.40	YES	
L0009453	0	0.95122E-06	653468.0	4188944.0	8.0	1.83	3.36	0.40	YES	
L0009454	0	0.95122E-06	653468.4	4188936.7	8.0	1.83	3.36	0.40	YES	
L0009455	0	0.95122E-06	653468.8	4188929.5	8.0	1.83	3.36	0.40	YES	
L0009456	0	0.95122E-06	653469.1	4188922.3	8.0	1.83	3.36	0.40	YES	
L0009457	0	0.95122E-06	653469.5	4188915.1	8.0	1.83	3.36	0.40	YES	
L0009458	0	0.95122E-06	653469.9	4188907.9	8.0	1.83	3.36	0.40	YES	
L0009459	0	0.95122E-06	653470.2	4188900.7	8.0	1.83	3.36	0.40	YES	
L0009460	0	0.95122E-06	653470.6	4188893.5	8.0	1.83	3.36	0.40	YES	
L0009461	0	0.95122E-06	653471.0	4188886.3	8.0	1.83	3.36	0.40	YES	
L0009462	0	0.95122E-06	653471.3	4188879.1	8.0	1.83	3.36	0.40	YES	
L0009463	0	0.95122E-06	653471.7	4188871.9	8.0	1.83	3.36	0.40	YES	
L0009464	0	0.95122E-06	653472.1	4188864.7	8.0	1.83	3.36	0.40	YES	
L0009465	0	0.95122E-06	653472.4	4188857.5	8.0	1.83	3.36	0.40	YES	
L0009466	0	0.95122E-06	653472.8	4188850.2	8.0	1.83	3.36	0.40	YES	
L0009467	0	0.95122E-06	653473.2	4188843.0	8.0	1.83	3.36	0.40	YES	
L0009468	0	0.95122E-06	653473.5	4188835.8	8.0	1.83	3.36	0.40	YES	
L0009469	0	0.95122E-06	653473.9	4188828.6	8.0	1.83	3.36	0.40	YES	
L0009470	0	0.95122E-06	653474.3	4188821.4	8.0	1.83	3.36	0.40	YES	
L0009471	0	0.95122E-06	653474.6	4188814.2	8.0	1.83	3.36	0.40	YES	
L0009472	0	0.95122E-06	653475.0	4188807.0	8.0	1.83	3.36	0.40	YES	
L0009473	0	0.95122E-06	653475.3	4188799.8	8.0	1.83	3.36	0.40	YES	
L0009474	0	0.95122E-06	653475.7	4188792.6	8.0	1.83	3.36	0.40	YES	
L0009475	0	0.95122E-06	653476.1	4188785.4	8.0	1.83	3.36	0.40	YES	
L0009476	0	0.95122E-06	653476.4	4188778.2	8.0	1.83	3.36	0.40	YES	
L0009477	0	0.95122E-06	653476.8	4188771.0	8.0	1.83	3.36	0.40	YES	
L0009478	0	0.95122E-06	653477.2	4188763.7	8.0	1.83	3.36	0.40	YES	
L0009479	0	0.95122E-06	653477.5	4188756.5	8.0	1.83	3.36	0.40	YES	
L0009480	0	0.95122E-06	653477.9	4188749.3	8.0	1.83	3.36	0.40	YES	
L0009481	0	0.86129E-06	653507.7	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009482	0	0.86129E-06	653501.1	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009483	0	0.86129E-06	653494.5	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009484	0	0.86129E-06	653487.8	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009485	0	0.86129E-06	653481.2	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009486	0	0.86129E-06	653474.6	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009487	0	0.86129E-06	653467.9	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009488	0	0.86129E-06	653461.3	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009489	0	0.86129E-06	653454.7	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009490	0	0.86129E-06	653448.0	4189979.0	8.0	1.83	3.09	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009491	0	0.86129E-06	653441.4	4189979.0	8.0	1.83	3.09	0.40	YES	
L0009492	0	0.86129E-06	653439.9	4189973.9	8.0	1.83	3.24	0.40	YES	
L0009493	0	0.86129E-06	653440.4	4189966.9	8.0	1.83	3.24	0.40	YES	
L0009494	0	0.86129E-06	653440.8	4189960.0	8.0	1.83	3.24	0.40	YES	
L0009495	0	0.86129E-06	653441.3	4189953.0	8.0	1.83	3.24	0.40	YES	
L0009496	0	0.86129E-06	653441.8	4189946.1	8.0	1.83	3.24	0.40	YES	
L0009497	0	0.86129E-06	653442.2	4189939.1	8.0	1.83	3.24	0.40	YES	
L0009498	0	0.86129E-06	653442.7	4189932.2	8.0	1.83	3.24	0.40	YES	
L0009499	0	0.86129E-06	653443.1	4189925.2	8.0	1.83	3.24	0.40	YES	
L0009500	0	0.86129E-06	653443.6	4189918.3	8.0	1.83	3.24	0.40	YES	
L0009501	0	0.86129E-06	653444.1	4189911.3	8.0	1.83	3.24	0.40	YES	
L0009502	0	0.86129E-06	653444.5	4189904.4	8.0	1.83	3.24	0.40	YES	
L0009503	0	0.86129E-06	653445.0	4189897.4	8.0	1.83	3.24	0.40	YES	
L0009504	0	0.86129E-06	653445.5	4189890.5	8.0	1.83	3.24	0.40	YES	

L0009505	0	0.86129E-06	653445.9	4189883.5	8.0	1.83	3.24	0.40	YES
L0009506	0	0.86129E-06	653446.4	4189876.6	8.0	1.83	3.24	0.40	YES
L0009507	0	0.86129E-06	653446.8	4189869.6	8.0	1.83	3.24	0.40	YES
L0009508	0	0.86129E-06	653447.3	4189862.7	8.0	1.83	3.24	0.40	YES
L0009509	0	0.86129E-06	653447.8	4189855.7	8.0	1.83	3.24	0.40	YES
L0009510	0	0.86129E-06	653448.2	4189848.8	8.0	1.83	3.24	0.40	YES
L0009511	0	0.86129E-06	653448.7	4189841.8	8.0	1.83	3.24	0.40	YES
L0009512	0	0.74800E-06	653509.6	4189979.0	8.0	1.83	3.21	0.40	YES
L0009513	0	0.74800E-06	653502.7	4189979.0	8.0	1.83	3.21	0.40	YES
L0009514	0	0.74800E-06	653495.8	4189979.0	8.0	1.83	3.21	0.40	YES
L0009515	0	0.74800E-06	653488.9	4189979.0	8.0	1.83	3.21	0.40	YES
L0009516	0	0.74800E-06	653482.0	4189979.0	8.0	1.83	3.21	0.40	YES
L0009517	0	0.74800E-06	653475.1	4189979.0	8.0	1.83	3.21	0.40	YES
L0009518	0	0.74800E-06	653468.2	4189979.0	8.0	1.83	3.21	0.40	YES
L0009519	0	0.74800E-06	653461.2	4189979.0	8.0	1.83	3.21	0.40	YES
L0009520	0	0.74800E-06	653454.3	4189979.0	8.0	1.83	3.21	0.40	YES
L0009521	0	0.74800E-06	653447.4	4189979.0	8.0	1.83	3.21	0.40	YES
L0009522	0	0.74800E-06	653440.5	4189979.0	8.0	1.83	3.21	0.40	YES
L0009523	0	0.74800E-06	653439.0	4189973.6	8.0	1.83	3.38	0.40	YES
L0009524	0	0.74800E-06	653439.5	4189966.3	8.0	1.83	3.38	0.40	YES
L0009525	0	0.74800E-06	653439.9	4189959.1	8.0	1.83	3.38	0.40	YES
L0009526	0	0.74800E-06	653440.3	4189951.9	8.0	1.83	3.38	0.40	YES
L0009527	0	0.74800E-06	653440.8	4189944.6	8.0	1.83	3.38	0.40	YES
L0009528	0	0.74800E-06	653441.2	4189937.4	8.0	1.83	3.38	0.40	YES
L0009529	0	0.74800E-06	653441.7	4189930.1	8.0	1.83	3.38	0.40	YES
L0009530	0	0.74800E-06	653442.1	4189922.9	8.0	1.83	3.38	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009531	0	0.74800E-06	653442.5	4189915.6	8.0	1.83	3.38	0.40	YES	
L0009532	0	0.74800E-06	653443.0	4189908.4	8.0	1.83	3.38	0.40	YES	
L0009533	0	0.74800E-06	653443.4	4189901.1	8.0	1.83	3.38	0.40	YES	
L0009534	0	0.74800E-06	653443.9	4189893.9	8.0	1.83	3.38	0.40	YES	
L0009535	0	0.74800E-06	653444.3	4189886.7	8.0	1.83	3.38	0.40	YES	
L0009536	0	0.74800E-06	653444.7	4189879.4	8.0	1.83	3.38	0.40	YES	
L0009537	0	0.74800E-06	653445.2	4189872.2	8.0	1.83	3.38	0.40	YES	
L0009538	0	0.74800E-06	653445.6	4189864.9	8.0	1.83	3.38	0.40	YES	
L0009539	0	0.74800E-06	653446.1	4189857.7	8.0	1.83	3.38	0.40	YES	
L0009540	0	0.74800E-06	653446.5	4189850.4	8.0	1.83	3.38	0.40	YES	
L0009541	0	0.74800E-06	653447.0	4189843.2	8.0	1.83	3.38	0.40	YES	
L0009542	0	0.74800E-06	653447.4	4189836.0	8.0	1.83	3.38	0.40	YES	
L0009543	0	0.74800E-06	653447.8	4189828.7	8.0	1.83	3.38	0.40	YES	
L0009544	0	0.74800E-06	653448.3	4189821.5	8.0	1.83	3.38	0.40	YES	
L0009545	0	0.74800E-06	653448.7	4189814.2	8.0	1.83	3.38	0.40	YES	
L0009546	0	0.74800E-06	653449.2	4189807.0	8.0	1.83	3.38	0.40	YES	
L0009547	0	0.74800E-06	653449.6	4189799.7	8.0	1.83	3.38	0.40	YES	
L0009548	0	0.74800E-06	653450.0	4189792.5	8.0	1.83	3.38	0.40	YES	
L0009549	0	0.74800E-06	653450.5	4189785.2	8.0	1.83	3.38	0.40	YES	
L0009550	0	0.74800E-06	653450.9	4189778.0	8.0	1.83	3.38	0.40	YES	
L0009551	0	0.74800E-06	653451.4	4189770.8	8.0	1.83	3.38	0.40	YES	
L0009552	0	0.74800E-06	653451.8	4189763.5	8.0	1.83	3.38	0.40	YES	
L0009553	0	0.74800E-06	653452.2	4189756.3	8.0	1.83	3.38	0.40	YES	
L0009554	0	0.74800E-06	653452.7	4189749.0	8.0	1.83	3.38	0.40	YES	
L0009555	0	0.74800E-06	653453.1	4189741.8	8.0	1.83	3.38	0.40	YES	
L0009556	0	0.74800E-06	653453.6	4189734.5	8.0	1.83	3.38	0.40	YES	
L0009557	0	0.74800E-06	653454.0	4189727.3	8.0	1.83	3.38	0.40	YES	
L0009558	0	0.74800E-06	653454.4	4189720.1	8.0	1.83	3.38	0.40	YES	
L0009559	0	0.74800E-06	653454.9	4189712.8	8.0	1.83	3.38	0.40	YES	
L0009560	0	0.74800E-06	653455.3	4189705.6	8.0	1.83	3.38	0.40	YES	
L0009561	0	0.74800E-06	653455.8	4189698.3	8.0	1.83	3.38	0.40	YES	
L0009562	0	0.75417E-06	653509.9	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009563	0	0.75417E-06	653502.7	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009564	0	0.75417E-06	653495.6	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009565	0	0.75417E-06	653488.4	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009566	0	0.75417E-06	653481.2	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009567	0	0.75417E-06	653474.0	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009568	0	0.75417E-06	653466.9	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009569	0	0.75417E-06	653459.7	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009570	0	0.75417E-06	653452.5	4189979.5	8.0	1.83	3.34	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009571	0	0.75417E-06	653445.3	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009572	0	0.75417E-06	653438.1	4189979.5	8.0	1.83	3.34	0.40	YES	
L0009573	0	0.75417E-06	653436.7	4189974.0	8.0	1.83	3.40	0.40	YES	
L0009574	0	0.75417E-06	653437.2	4189966.7	8.0	1.83	3.40	0.40	YES	
L0009575	0	0.75417E-06	653437.6	4189959.5	8.0	1.83	3.40	0.40	YES	
L0009576	0	0.75417E-06	653438.1	4189952.2	8.0	1.83	3.40	0.40	YES	
L0009577	0	0.75417E-06	653438.6	4189944.9	8.0	1.83	3.40	0.40	YES	
L0009578	0	0.75417E-06	653439.1	4189937.6	8.0	1.83	3.40	0.40	YES	
L0009579	0	0.75417E-06	653439.6	4189930.3	8.0	1.83	3.40	0.40	YES	
L0009580	0	0.75417E-06	653440.1	4189923.0	8.0	1.83	3.40	0.40	YES	
L0009581	0	0.75417E-06	653440.5	4189915.7	8.0	1.83	3.40	0.40	YES	
L0009582	0	0.75417E-06	653441.0	4189908.4	8.0	1.83	3.40	0.40	YES	

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009583	0	0.75417E-06	653441.5	4189901.1	8.0	1.83	3.40	0.40	YES	
L0009584	0	0.75417E-06	653442.0	4189893.8	8.0	1.83	3.40	0.40	YES	
L0009585	0	0.75417E-06	653442.5	4189886.5	8.0	1.83	3.40	0.40	YES	
L0009586	0	0.75417E-06	653442.9	4189879.3	8.0	1.83	3.40	0.40	YES	
L0009587	0	0.75417E-06	653443.4	4189872.0	8.0	1.83	3.40	0.40	YES	
L0009588	0	0.75417E-06	653443.9	4189864.7	8.0	1.83	3.40	0.40	YES	
L0009589	0	0.75417E-06	653444.4	4189857.4	8.0	1.83	3.40	0.40	YES	
L0009590	0	0.75417E-06	653444.9	4189850.1	8.0	1.83	3.40	0.40	YES	
L0009591	0	0.75417E-06	653445.4	4189842.8	8.0	1.83	3.40	0.40	YES	
L0009592	0	0.75417E-06	653445.8	4189835.5	8.0	1.83	3.40	0.40	YES	
L0009593	0	0.75417E-06	653446.3	4189828.2	8.0	1.83	3.40	0.40	YES	
L0009594	0	0.75417E-06	653446.8	4189820.9	8.0	1.83	3.40	0.40	YES	
L0009595	0	0.75417E-06	653447.3	4189813.6	8.0	1.83	3.40	0.40	YES	
L0009596	0	0.75417E-06	653447.8	4189806.3	8.0	1.83	3.40	0.40	YES	
L0009597	0	0.75417E-06	653448.3	4189799.0	8.0	1.83	3.40	0.40	YES	
L0009598	0	0.75417E-06	653448.7	4189791.8	8.0	1.83	3.40	0.40	YES	
L0009599	0	0.75417E-06	653449.2	4189784.5	8.0	1.83	3.40	0.40	YES	
L0009600	0	0.75417E-06	653449.7	4189777.2	8.0	1.83	3.40	0.40	YES	
L0009601	0	0.75417E-06	653450.2	4189769.9	8.0	1.83	3.40	0.40	YES	
L0009602	0	0.75417E-06	653450.7	4189762.6	8.0	1.83	3.40	0.40	YES	
L0009603	0	0.75417E-06	653451.2	4189755.3	8.0	1.83	3.40	0.40	YES	
L0009604	0	0.75417E-06	653451.6	4189748.0	8.0	1.83	3.40	0.40	YES	
L0009605	0	0.75417E-06	653452.1	4189740.7	8.0	1.83	3.40	0.40	YES	
L0009606	0	0.75417E-06	653452.6	4189733.4	8.0	1.83	3.40	0.40	YES	
L0009607	0	0.75417E-06	653453.1	4189726.1	8.0	1.83	3.40	0.40	YES	
L0009608	0	0.75417E-06	653453.6	4189718.8	8.0	1.83	3.40	0.40	YES	
L0009609	0	0.75417E-06	653454.0	4189711.6	8.0	1.83	3.40	0.40	YES	
L0009610	0	0.75417E-06	653454.5	4189704.3	8.0	1.83	3.40	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009611	0	0.75417E-06	653455.0	4189697.0	8.0	1.83	3.40	0.40	YES	
L0009612	0	0.75417E-06	653455.5	4189689.7	8.0	1.83	3.40	0.40	YES	
L0009613	0	0.75417E-06	653456.0	4189682.4	8.0	1.83	3.40	0.40	YES	
L0009614	0	0.75417E-06	653456.5	4189675.1	8.0	1.83	3.40	0.40	YES	
L0009615	0	0.75417E-06	653456.9	4189667.8	8.0	1.83	3.40	0.40	YES	
L0009616	0	0.75417E-06	653457.4	4189660.5	8.0	1.83	3.40	0.40	YES	
L0009617	0	0.75417E-06	653457.9	4189653.2	8.0	1.83	3.40	0.40	YES	
L0009618	0	0.75417E-06	653458.4	4189645.9	8.0	1.83	3.40	0.40	YES	
L0009619	0	0.75417E-06	653458.9	4189638.6	8.0	1.83	3.40	0.40	YES	
L0009620	0	0.75417E-06	653459.4	4189631.4	8.0	1.83	3.40	0.40	YES	
L0009621	0	0.75417E-06	653459.8	4189624.1	8.0	1.83	3.40	0.40	YES	
L0009622	0	0.75417E-06	653460.3	4189616.8	8.0	1.83	3.40	0.40	YES	
L0009623	0	0.75417E-06	653460.8	4189609.5	8.0	1.83	3.40	0.40	YES	
L0009624	0	0.75417E-06	653461.3	4189602.2	8.0	1.83	3.40	0.40	YES	
L0009625	0	0.75417E-06	653461.8	4189594.9	8.0	1.83	3.40	0.40	YES	
L0009626	0	0.75417E-06	653462.3	4189587.6	8.0	1.83	3.40	0.40	YES	
L0009627	0	0.75417E-06	653462.7	4189580.3	8.0	1.83	3.40	0.40	YES	
L0009628	0	0.75417E-06	653463.2	4189573.0	8.0	1.83	3.40	0.40	YES	
L0009629	0	0.75417E-06	653463.7	4189565.7	8.0	1.83	3.40	0.40	YES	
L0009630	0	0.75417E-06	653464.2	4189558.4	8.0	1.83	3.40	0.40	YES	
L0009631	0	0.75417E-06	653464.7	4189551.2	8.0	1.83	3.40	0.40	YES	
L0009632	0	0.75417E-06	653465.1	4189543.9	8.0	1.83	3.40	0.40	YES	
L0009633	0	0.75417E-06	653465.6	4189536.6	8.0	1.83	3.40	0.40	YES	
L0009634	0	0.98667E-06	653561.5	4189225.5	8.0	3.66	3.32	0.40	YES	
L0009635	0	0.98667E-06	653554.4	4189225.3	8.0	3.66	3.32	0.40	YES	
L0009636	0	0.98667E-06	653547.2	4189225.1	8.0	3.66	3.32	0.40	YES	
L0009637	0	0.98667E-06	653540.1	4189225.0	8.0	3.66	3.32	0.40	YES	
L0009638	0	0.98667E-06	653533.0	4189224.8	8.0	3.66	3.32	0.40	YES	
L0009639	0	0.98667E-06	653525.8	4189224.7	8.0	3.66	3.32	0.40	YES	
L0009640	0	0.98667E-06	653518.7	4189224.5	8.0	3.66	3.32	0.40	YES	
L0009641	0	0.98667E-06	653511.6	4189224.3	8.0	3.66	3.32	0.40	YES	
L0009642	0	0.98667E-06	653504.4	4189224.2	8.0	3.66	3.32	0.40	YES	
L0009643	0	0.98667E-06	653497.3	4189224.0	8.0	3.66	3.32	0.40	YES	
L0009644	0	0.98667E-06	653490.2	4189223.9	8.0	3.66	3.32	0.40	YES	
L0009645	0	0.98667E-06	653483.0	4189223.7	8.0	3.66	3.32	0.40	YES	
L0009646	0	0.98667E-06	653475.9	4189223.5	8.0	3.66	3.32	0.40	YES	
L0009647	0	0.98667E-06	653473.8	4189229.0	8.0	3.66	3.39	0.40	YES	
L0009648	0	0.98667E-06	653473.5	4189236.2	8.0	3.66	3.39	0.40	YES	
L0009649	0	0.98667E-06	653473.2	4189243.5	8.0	3.66	3.39	0.40	YES	
L0009650	0	0.98667E-06	653472.9	4189250.8	8.0	3.66	3.39	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009651	0	0.98667E-06	653472.6	4189258.1	8.0	3.66	3.39	0.40	YES	
L0009652	0	0.98667E-06	653472.2	4189265.4	8.0	3.66	3.39	0.40	YES	
L0009653	0	0.98667E-06	653471.9	4189272.6	8.0	3.66	3.39	0.40	YES	
L0009654	0	0.98667E-06	653471.6	4189279.9	8.0	3.66	3.39	0.40	YES	
L0009655	0	0.98667E-06	653471.3	4189287.2	8.0	3.66	3.39	0.40	YES	
L0009656	0	0.98667E-06	653471.0	4189294.5	8.0	3.66	3.39	0.40	YES	
L0009657	0	0.98667E-06	653470.7	4189301.8	8.0	3.66	3.39	0.40	YES	
L0009658	0	0.98667E-06	653470.3	4189309.0	8.0	3.66	3.39	0.40	YES	
L0009659	0	0.98667E-06	653470.0	4189316.3	8.0	3.66	3.39	0.40	YES	
L0009660	0	0.98667E-06	653469.7	4189323.6	8.0	3.66	3.39	0.40	YES	

L0009661	0	0.98667E-06	653469.4	4189330.9	8.0	3.66	3.39	0.40	YES
L0009662	0	0.98667E-06	653469.1	4189338.2	8.0	3.66	3.39	0.40	YES
L0009663	0	0.98667E-06	653468.8	4189345.5	8.0	3.66	3.39	0.40	YES
L0009664	0	0.98667E-06	653468.4	4189352.7	8.0	3.66	3.39	0.40	YES
L0009665	0	0.98667E-06	653468.1	4189360.0	8.0	3.66	3.39	0.40	YES
L0009666	0	0.98667E-06	653467.8	4189367.3	8.0	3.66	3.39	0.40	YES
L0009667	0	0.98667E-06	653467.5	4189374.6	8.0	3.66	3.39	0.40	YES
L0009668	0	0.98667E-06	653467.2	4189381.9	8.0	3.66	3.39	0.40	YES
L0009669	0	0.98667E-06	653466.9	4189389.1	8.0	3.66	3.39	0.40	YES
L0009670	0	0.98667E-06	653466.5	4189396.4	8.0	3.66	3.39	0.40	YES
L0009671	0	0.98667E-06	653466.2	4189403.7	8.0	3.66	3.39	0.40	YES
L0009672	0	0.98667E-06	653465.9	4189411.0	8.0	3.66	3.39	0.40	YES
L0009673	0	0.98667E-06	653465.6	4189418.3	8.0	3.66	3.39	0.40	YES
L0009674	0	0.98667E-06	653465.3	4189425.5	8.0	3.66	3.39	0.40	YES
L0009675	0	0.98667E-06	653465.0	4189432.8	8.0	3.66	3.39	0.40	YES
L0009676	0	0.98667E-06	653464.7	4189440.1	8.0	3.66	3.39	0.40	YES
L0009677	0	0.98667E-06	653464.3	4189447.4	8.0	3.66	3.39	0.40	YES
L0009678	0	0.98667E-06	653464.0	4189454.7	8.0	3.66	3.39	0.40	YES
L0009679	0	0.43462E-06	653561.5	4189225.5	8.0	1.83	3.39	0.40	YES
L0009680	0	0.43462E-06	653554.2	4189225.4	8.0	1.83	3.39	0.40	YES
L0009681	0	0.43462E-06	653546.9	4189225.3	8.0	1.83	3.39	0.40	YES
L0009682	0	0.43462E-06	653539.6	4189225.2	8.0	1.83	3.39	0.40	YES
L0009683	0	0.43462E-06	653532.3	4189225.2	8.0	1.83	3.39	0.40	YES
L0009684	0	0.43462E-06	653525.0	4189225.1	8.0	1.83	3.39	0.40	YES
L0009685	0	0.43462E-06	653517.8	4189225.0	8.0	1.83	3.39	0.40	YES
L0009686	0	0.43462E-06	653510.5	4189224.9	8.0	1.83	3.39	0.40	YES
L0009687	0	0.43462E-06	653503.2	4189224.8	8.0	1.83	3.39	0.40	YES
L0009688	0	0.43462E-06	653495.9	4189224.8	8.0	1.83	3.39	0.40	YES
L0009689	0	0.43462E-06	653488.6	4189224.7	8.0	1.83	3.39	0.40	YES
L0009690	0	0.43462E-06	653481.3	4189224.6	8.0	1.83	3.39	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009691	0	0.43462E-06	653474.0	4189224.5	8.0	1.83	3.39	0.40	YES	
L0009692	0	0.43462E-06	653472.1	4189230.0	8.0	1.83	3.39	0.40	YES	
L0009693	0	0.43462E-06	653471.9	4189237.2	8.0	1.83	3.39	0.40	YES	
L0009694	0	0.43462E-06	653471.8	4189244.5	8.0	1.83	3.39	0.40	YES	
L0009695	0	0.43462E-06	653471.7	4189251.8	8.0	1.83	3.39	0.40	YES	
L0009696	0	0.43462E-06	653471.5	4189259.1	8.0	1.83	3.39	0.40	YES	
L0009697	0	0.43462E-06	653471.4	4189266.4	8.0	1.83	3.39	0.40	YES	
L0009698	0	0.43462E-06	653471.2	4189273.7	8.0	1.83	3.39	0.40	YES	
L0009699	0	0.43462E-06	653471.1	4189281.0	8.0	1.83	3.39	0.40	YES	
L0009700	0	0.43462E-06	653471.0	4189288.3	8.0	1.83	3.39	0.40	YES	
L0009701	0	0.43462E-06	653470.8	4189295.6	8.0	1.83	3.39	0.40	YES	
L0009702	0	0.43462E-06	653470.7	4189302.8	8.0	1.83	3.39	0.40	YES	
L0009703	0	0.43462E-06	653470.5	4189310.1	8.0	1.83	3.39	0.40	YES	
L0009704	0	0.43462E-06	653470.4	4189317.4	8.0	1.83	3.39	0.40	YES	
L0009705	0	0.64324E-06	653563.2	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009706	0	0.64324E-06	653556.2	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009707	0	0.64324E-06	653549.3	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009708	0	0.64324E-06	653542.3	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009709	0	0.64324E-06	653535.4	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009710	0	0.64324E-06	653528.4	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009711	0	0.64324E-06	653521.5	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009712	0	0.64324E-06	653514.5	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009713	0	0.64324E-06	653507.6	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009714	0	0.64324E-06	653500.6	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009715	0	0.64324E-06	653493.7	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009716	0	0.64324E-06	653486.7	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009717	0	0.64324E-06	653479.8	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009718	0	0.64324E-06	653472.8	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009719	0	0.64324E-06	653465.9	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009720	0	0.64324E-06	653459.0	4189224.2	8.0	1.83	3.23	0.40	YES	
L0009721	0	0.64324E-06	653457.2	4189218.8	8.0	1.83	3.40	0.40	YES	
L0009722	0	0.64324E-06	653457.3	4189211.5	8.0	1.83	3.40	0.40	YES	
L0009723	0	0.64324E-06	653457.4	4189204.1	8.0	1.83	3.40	0.40	YES	
L0009724	0	0.64324E-06	653457.5	4189196.8	8.0	1.83	3.40	0.40	YES	
L0009725	0	0.64324E-06	653457.6	4189189.5	8.0	1.83	3.40	0.40	YES	
L0009726	0	0.64324E-06	653457.7	4189182.2	8.0	1.83	3.40	0.40	YES	
L0009727	0	0.64324E-06	653457.8	4189174.9	8.0	1.83	3.40	0.40	YES	
L0009728	0	0.64324E-06	653457.9	4189167.6	8.0	1.83	3.40	0.40	YES	
L0009729	0	0.64324E-06	653458.0	4189160.3	8.0	1.83	3.40	0.40	YES	
L0009730	0	0.64324E-06	653458.1	4189153.0	8.0	1.83	3.40	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009731	0	0.64324E-06	653458.2	4189145.7	8.0	1.83	3.40	0.40	YES	
L0009732	0	0.64324E-06	653458.3	4189138.4	8.0	1.83	3.40	0.40	YES	
L0009733	0	0.64324E-06	653458.4	4189131.1	8.0	1.83	3.40	0.40	YES	
L0009734	0	0.64324E-06	653458.5	4189123.7	8.0	1.83	3.40	0.40	YES	
L0009735	0	0.64324E-06	653458.6	4189116.4	8.0	1.83	3.40	0.40	YES	
L0009736	0	0.64324E-06	653458.7	4189109.1	8.0	1.83	3.40	0.40	YES	
L0009737	0	0.64324E-06	653458.8	4189101.8	8.0	1.83	3.40	0.40	YES	
L0009738	0	0.64324E-06	653458.9	4189094.5	8.0	1.83	3.40	0.40	YES	

L0009739	0	0.64324E-06	653459.0	4189087.2	8.0	1.83	3.40	0.40	YES
L0009740	0	0.64324E-06	653459.1	4189079.9	8.0	1.83	3.40	0.40	YES
L0009741	0	0.64324E-06	653459.2	4189072.6	8.0	1.83	3.40	0.40	YES
L0009742	0	0.85263E-06	653565.2	4189226.2	8.0	1.83	3.22	0.40	YES
L0009743	0	0.85263E-06	653558.3	4189225.8	8.0	1.83	3.22	0.40	YES
L0009744	0	0.85263E-06	653551.4	4189225.4	8.0	1.83	3.22	0.40	YES
L0009745	0	0.85263E-06	653544.5	4189225.1	8.0	1.83	3.22	0.40	YES
L0009746	0	0.85263E-06	653537.6	4189224.7	8.0	1.83	3.22	0.40	YES
L0009747	0	0.85263E-06	653530.7	4189224.3	8.0	1.83	3.22	0.40	YES
L0009748	0	0.85263E-06	653523.8	4189224.0	8.0	1.83	3.22	0.40	YES
L0009749	0	0.85263E-06	653516.9	4189223.6	8.0	1.83	3.22	0.40	YES
L0009750	0	0.85263E-06	653510.0	4189223.2	8.0	1.83	3.22	0.40	YES
L0009751	0	0.85263E-06	653503.1	4189222.9	8.0	1.83	3.22	0.40	YES
L0009752	0	0.85263E-06	653496.2	4189222.5	8.0	1.83	3.22	0.40	YES
L0009753	0	0.85263E-06	653489.3	4189222.2	8.0	1.83	3.22	0.40	YES
L0009754	0	0.85263E-06	653482.4	4189221.8	8.0	1.83	3.22	0.40	YES
L0009755	0	0.85263E-06	653475.5	4189221.4	8.0	1.83	3.22	0.40	YES
L0009756	0	0.85263E-06	653468.6	4189221.1	8.0	1.83	3.22	0.40	YES
L0009757	0	0.85263E-06	653461.7	4189220.7	8.0	1.83	3.22	0.40	YES
L0009758	0	0.85263E-06	653454.8	4189220.3	8.0	1.83	3.22	0.40	YES
L0009759	0	0.85263E-06	653453.2	4189214.9	8.0	1.83	3.36	0.40	YES
L0009760	0	0.85263E-06	653453.6	4189207.7	8.0	1.83	3.36	0.40	YES
L0009761	0	0.85263E-06	653453.9	4189200.4	8.0	1.83	3.36	0.40	YES
L0009762	0	0.85263E-06	653454.3	4189193.2	8.0	1.83	3.36	0.40	YES
L0009763	0	0.85263E-06	653454.7	4189186.0	8.0	1.83	3.36	0.40	YES
L0009764	0	0.85263E-06	653455.0	4189178.8	8.0	1.83	3.36	0.40	YES
L0009765	0	0.85263E-06	653455.4	4189171.6	8.0	1.83	3.36	0.40	YES
L0009766	0	0.85263E-06	653455.8	4189164.4	8.0	1.83	3.36	0.40	YES
L0009767	0	0.85263E-06	653456.1	4189157.2	8.0	1.83	3.36	0.40	YES
L0009768	0	0.85263E-06	653456.5	4189150.0	8.0	1.83	3.36	0.40	YES
L0009769	0	0.85263E-06	653456.9	4189142.7	8.0	1.83	3.36	0.40	YES
L0009770	0	0.85263E-06	653457.2	4189135.5	8.0	1.83	3.36	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009771	0	0.85263E-06	653457.6	4189128.3	8.0	1.83	3.36	0.40	YES	
L0009772	0	0.85263E-06	653457.9	4189121.1	8.0	1.83	3.36	0.40	YES	
L0009773	0	0.85263E-06	653458.3	4189113.9	8.0	1.83	3.36	0.40	YES	
L0009774	0	0.85263E-06	653458.7	4189106.7	8.0	1.83	3.36	0.40	YES	
L0009775	0	0.85263E-06	653459.0	4189099.5	8.0	1.83	3.36	0.40	YES	
L0009776	0	0.85263E-06	653459.4	4189092.3	8.0	1.83	3.36	0.40	YES	
L0009777	0	0.85263E-06	653459.8	4189085.0	8.0	1.83	3.36	0.40	YES	
L0009778	0	0.85263E-06	653460.1	4189077.8	8.0	1.83	3.36	0.40	YES	
L0009779	0	0.85263E-06	653460.5	4189070.6	8.0	1.83	3.36	0.40	YES	
L0009780	0	0.85263E-06	653460.9	4189063.4	8.0	1.83	3.36	0.40	YES	
L0009781	0	0.85263E-06	653461.2	4189056.2	8.0	1.83	3.36	0.40	YES	
L0009782	0	0.85263E-06	653461.6	4189049.0	8.0	1.83	3.36	0.40	YES	
L0009783	0	0.85263E-06	653461.9	4189041.8	8.0	1.83	3.36	0.40	YES	
L0009784	0	0.85263E-06	653462.3	4189034.6	8.0	1.83	3.36	0.40	YES	
L0009785	0	0.85263E-06	653462.7	4189027.3	8.0	1.83	3.36	0.40	YES	
L0009786	0	0.85263E-06	653463.0	4189020.1	8.0	1.83	3.36	0.40	YES	
L0009787	0	0.85263E-06	653463.4	4189012.9	8.0	1.83	3.36	0.40	YES	
L0009788	0	0.85263E-06	653463.8	4189005.7	8.0	1.83	3.36	0.40	YES	
L0009789	0	0.85263E-06	653464.1	4188998.5	8.0	1.83	3.36	0.40	YES	
L0009790	0	0.85263E-06	653464.5	4188991.3	8.0	1.83	3.36	0.40	YES	
L0009791	0	0.85263E-06	653464.9	4188984.1	8.0	1.83	3.36	0.40	YES	
L0009792	0	0.85263E-06	653465.2	4188976.9	8.0	1.83	3.36	0.40	YES	
L0009793	0	0.85263E-06	653465.6	4188969.6	8.0	1.83	3.36	0.40	YES	
L0009794	0	0.85263E-06	653466.0	4188962.4	8.0	1.83	3.36	0.40	YES	
L0009795	0	0.85263E-06	653466.3	4188955.2	8.0	1.83	3.36	0.40	YES	
L0009796	0	0.85263E-06	653466.7	4188948.0	8.0	1.83	3.36	0.40	YES	
L0009797	0	0.85263E-06	653467.0	4188940.8	8.0	1.83	3.36	0.40	YES	
L0009798	0	0.85263E-06	653467.4	4188933.6	8.0	1.83	3.36	0.40	YES	
L0009856	0	0.88354E-06	653565.2	4189226.2	8.0	1.83	3.22	0.40	YES	
L0009857	0	0.88354E-06	653558.3	4189225.8	8.0	1.83	3.22	0.40	YES	
L0009858	0	0.88354E-06	653551.4	4189225.4	8.0	1.83	3.22	0.40	YES	
L0009859	0	0.88354E-06	653544.5	4189225.1	8.0	1.83	3.22	0.40	YES	
L0009860	0	0.88354E-06	653537.6	4189224.7	8.0	1.83	3.22	0.40	YES	
L0009861	0	0.88354E-06	653530.7	4189224.3	8.0	1.83	3.22	0.40	YES	
L0009862	0	0.88354E-06	653523.8	4189224.0	8.0	1.83	3.22	0.40	YES	
L0009863	0	0.88354E-06	653516.9	4189223.6	8.0	1.83	3.22	0.40	YES	
L0009864	0	0.88354E-06	653510.0	4189223.2	8.0	1.83	3.22	0.40	YES	
L0009865	0	0.88354E-06	653503.1	4189222.9	8.0	1.83	3.22	0.40	YES	
L0009866	0	0.88354E-06	653496.2	4189222.5	8.0	1.83	3.22	0.40	YES	
L0009867	0	0.88354E-06	653489.3	4189222.2	8.0	1.83	3.22	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009868	0	0.88354E-06	653482.4	4189221.8	8.0	1.83	3.22	0.40	YES	
L0009869	0	0.88354E-06	653475.5	4189221.4	8.0	1.83	3.22	0.40	YES	
L0009870	0	0.88354E-06	653468.6	4189221.1	8.0	1.83	3.22	0.40	YES	
L0009871	0	0.88354E-06	653461.7	4189220.7	8.0	1.83	3.22	0.40	YES	
L0009872	0	0.88354E-06	653454.8	4189220.3	8.0	1.83	3.22	0.40	YES	
L0009873	0	0.88354E-06	653453.2	4189214.9	8.0	1.83	3.35	0.40	YES	

L0009874	0	0.88354E-06	653453.6	4189207.7	8.0	1.83	3.35	0.40	YES
L0009875	0	0.88354E-06	653453.9	4189200.5	8.0	1.83	3.35	0.40	YES
L0009876	0	0.88354E-06	653454.3	4189193.3	8.0	1.83	3.35	0.40	YES
L0009877	0	0.88354E-06	653454.7	4189186.1	8.0	1.83	3.35	0.40	YES
L0009878	0	0.88354E-06	653455.1	4189178.9	8.0	1.83	3.35	0.40	YES
L0009879	0	0.88354E-06	653455.4	4189171.7	8.0	1.83	3.35	0.40	YES
L0009880	0	0.88354E-06	653455.8	4189164.5	8.0	1.83	3.35	0.40	YES
L0009881	0	0.88354E-06	653456.2	4189157.3	8.0	1.83	3.35	0.40	YES
L0009882	0	0.88354E-06	653456.5	4189150.1	8.0	1.83	3.35	0.40	YES
L0009883	0	0.88354E-06	653456.9	4189142.9	8.0	1.83	3.35	0.40	YES
L0009884	0	0.88354E-06	653457.3	4189135.7	8.0	1.83	3.35	0.40	YES
L0009885	0	0.88354E-06	653457.6	4189128.5	8.0	1.83	3.35	0.40	YES
L0009886	0	0.88354E-06	653458.0	4189121.3	8.0	1.83	3.35	0.40	YES
L0009887	0	0.88354E-06	653458.4	4189114.1	8.0	1.83	3.35	0.40	YES
L0009888	0	0.88354E-06	653458.7	4189106.9	8.0	1.83	3.35	0.40	YES
L0009889	0	0.88354E-06	653459.1	4189099.7	8.0	1.83	3.35	0.40	YES
L0009890	0	0.88354E-06	653459.5	4189092.5	8.0	1.83	3.35	0.40	YES
L0009891	0	0.88354E-06	653459.8	4189085.3	8.0	1.83	3.35	0.40	YES
L0009892	0	0.88354E-06	653460.2	4189078.1	8.0	1.83	3.35	0.40	YES
L0009893	0	0.88354E-06	653460.6	4189070.9	8.0	1.83	3.35	0.40	YES
L0009894	0	0.88354E-06	653460.9	4189063.7	8.0	1.83	3.35	0.40	YES
L0009895	0	0.88354E-06	653461.3	4189056.5	8.0	1.83	3.35	0.40	YES
L0009896	0	0.88354E-06	653461.7	4189049.3	8.0	1.83	3.35	0.40	YES
L0009897	0	0.88354E-06	653462.0	4189042.1	8.0	1.83	3.35	0.40	YES
L0009898	0	0.88354E-06	653462.4	4189034.9	8.0	1.83	3.35	0.40	YES
L0009899	0	0.88354E-06	653462.8	4189027.7	8.0	1.83	3.35	0.40	YES
L0009900	0	0.88354E-06	653463.1	4189020.5	8.0	1.83	3.35	0.40	YES
L0009901	0	0.88354E-06	653463.5	4189013.3	8.0	1.83	3.35	0.40	YES
L0009902	0	0.88354E-06	653463.9	4189006.1	8.0	1.83	3.35	0.40	YES
L0009903	0	0.88354E-06	653464.2	4188999.0	8.0	1.83	3.35	0.40	YES
L0009904	0	0.88354E-06	653464.6	4188991.8	8.0	1.83	3.35	0.40	YES
L0009905	0	0.88354E-06	653465.0	4188984.6	8.0	1.83	3.35	0.40	YES
L0009906	0	0.88354E-06	653465.4	4188977.4	8.0	1.83	3.35	0.40	YES
L0009907	0	0.88354E-06	653465.7	4188970.2	8.0	1.83	3.35	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009908	0	0.88354E-06	653466.1	4188963.0	8.0	1.83	3.35	0.40	YES	
L0009909	0	0.88354E-06	653466.5	4188955.8	8.0	1.83	3.35	0.40	YES	
L0009910	0	0.88354E-06	653466.8	4188948.6	8.0	1.83	3.35	0.40	YES	
L0009911	0	0.88354E-06	653467.2	4188941.4	8.0	1.83	3.35	0.40	YES	
L0009912	0	0.88354E-06	653467.6	4188934.2	8.0	1.83	3.35	0.40	YES	
L0009913	0	0.88354E-06	653467.9	4188927.0	8.0	1.83	3.35	0.40	YES	
L0009914	0	0.88354E-06	653468.3	4188919.8	8.0	1.83	3.35	0.40	YES	
L0009915	0	0.88354E-06	653468.7	4188912.6	8.0	1.83	3.35	0.40	YES	
L0009916	0	0.88354E-06	653469.0	4188905.4	8.0	1.83	3.35	0.40	YES	
L0009917	0	0.88354E-06	653469.4	4188898.2	8.0	1.83	3.35	0.40	YES	
L0009918	0	0.88354E-06	653469.8	4188891.0	8.0	1.83	3.35	0.40	YES	
L0009919	0	0.88354E-06	653470.1	4188883.8	8.0	1.83	3.35	0.40	YES	
L0009920	0	0.88354E-06	653470.5	4188876.6	8.0	1.83	3.35	0.40	YES	
L0009921	0	0.88354E-06	653470.9	4188869.4	8.0	1.83	3.35	0.40	YES	
L0009922	0	0.88354E-06	653471.2	4188862.2	8.0	1.83	3.35	0.40	YES	
L0009923	0	0.88354E-06	653471.6	4188855.0	8.0	1.83	3.35	0.40	YES	
L0009924	0	0.88354E-06	653472.0	4188847.8	8.0	1.83	3.35	0.40	YES	
L0009925	0	0.88354E-06	653472.3	4188840.6	8.0	1.83	3.35	0.40	YES	
L0009926	0	0.88354E-06	653472.7	4188833.4	8.0	1.83	3.35	0.40	YES	
L0009927	0	0.88354E-06	653473.1	4188826.2	8.0	1.83	3.35	0.40	YES	
L0009928	0	0.88354E-06	653473.4	4188819.0	8.0	1.83	3.35	0.40	YES	
L0009929	0	0.88354E-06	653473.8	4188811.8	8.0	1.83	3.35	0.40	YES	
L0009930	0	0.88354E-06	653474.2	4188804.6	8.0	1.83	3.35	0.40	YES	
L0009931	0	0.88354E-06	653474.6	4188797.4	8.0	1.83	3.35	0.40	YES	
L0009932	0	0.88354E-06	653474.9	4188790.2	8.0	1.83	3.35	0.40	YES	
L0009933	0	0.88354E-06	653475.3	4188783.0	8.0	1.83	3.35	0.40	YES	
L0009934	0	0.88354E-06	653475.7	4188775.8	8.0	1.83	3.35	0.40	YES	
L0009935	0	0.10056E-05	653586.4	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009936	0	0.10056E-05	653579.1	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009937	0	0.10056E-05	653571.8	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009938	0	0.10056E-05	653564.5	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009939	0	0.10056E-05	653557.2	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009940	0	0.10056E-05	653550.0	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009941	0	0.10056E-05	653542.7	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009942	0	0.10056E-05	653535.4	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009943	0	0.10056E-05	653528.1	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009944	0	0.10056E-05	653520.8	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009945	0	0.10056E-05	653513.5	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009946	0	0.10056E-05	653506.3	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009947	0	0.10056E-05	653499.0	4188315.0	8.0	1.83	3.39	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009948	0	0.10056E-05	653491.7	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009949	0	0.10056E-05	653484.4	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009950	0	0.10056E-05	653477.1	4188315.0	8.0	1.83	3.39	0.40	YES	
L0009951	0	0.10056E-05	653469.9	4188315.0	8.0	1.83	3.39	0.40	YES	

L0009952	0	0.10056E-05	653462.6	4188315.0	8.0	1.83	3.39	0.40	YES
L0009953	0	0.10056E-05	653460.4	4188320.5	8.0	1.83	3.40	0.40	YES
L0009954	0	0.10056E-05	653459.9	4188327.8	8.0	1.83	3.40	0.40	YES
L0009955	0	0.10056E-05	653459.4	4188335.0	8.0	1.83	3.40	0.40	YES
L0009956	0	0.10056E-05	653458.9	4188342.3	8.0	1.83	3.40	0.40	YES
L0009957	0	0.10056E-05	653458.4	4188349.6	8.0	1.83	3.40	0.40	YES
L0009958	0	0.10056E-05	653457.9	4188356.9	8.0	1.83	3.40	0.40	YES
L0009959	0	0.10056E-05	653457.4	4188364.2	8.0	1.83	3.40	0.40	YES
L0009960	0	0.10056E-05	653456.9	4188371.5	8.0	1.83	3.40	0.40	YES
L0009961	0	0.10056E-05	653456.4	4188378.8	8.0	1.83	3.40	0.40	YES
L0009962	0	0.10056E-05	653455.9	4188386.1	8.0	1.83	3.40	0.40	YES
L0009963	0	0.10056E-05	653455.4	4188393.4	8.0	1.83	3.40	0.40	YES
L0009964	0	0.10056E-05	653454.9	4188400.7	8.0	1.83	3.40	0.40	YES
L0009965	0	0.10056E-05	653454.4	4188408.0	8.0	1.83	3.40	0.40	YES
L0009966	0	0.10056E-05	653453.9	4188415.3	8.0	1.83	3.40	0.40	YES
L0009967	0	0.10056E-05	653453.5	4188422.5	8.0	1.83	3.40	0.40	YES
L0009968	0	0.10056E-05	653453.0	4188429.8	8.0	1.83	3.40	0.40	YES
L0009969	0	0.10056E-05	653452.5	4188437.1	8.0	1.83	3.40	0.40	YES
L0009970	0	0.10056E-05	653452.0	4188444.4	8.0	1.83	3.40	0.40	YES
L0009971	0	0.10056E-05	653451.5	4188451.7	8.0	1.83	3.40	0.40	YES
L0009972	0	0.10056E-05	653451.0	4188459.0	8.0	1.83	3.40	0.40	YES
L0009973	0	0.10056E-05	653450.5	4188466.3	8.0	1.83	3.40	0.40	YES
L0009974	0	0.10056E-05	653450.0	4188473.6	8.0	1.83	3.40	0.40	YES
L0009975	0	0.10056E-05	653449.5	4188480.9	8.0	1.83	3.40	0.40	YES
L0009976	0	0.10056E-05	653449.0	4188488.2	8.0	1.83	3.40	0.40	YES
L0009977	0	0.10056E-05	653448.5	4188495.5	8.0	1.83	3.40	0.40	YES
L0009978	0	0.10056E-05	653448.0	4188502.8	8.0	1.83	3.40	0.40	YES
L0009979	0	0.10056E-05	653447.5	4188510.0	8.0	1.83	3.40	0.40	YES
L0009980	0	0.10056E-05	653447.0	4188517.3	8.0	1.83	3.40	0.40	YES
L0009981	0	0.10056E-05	653446.5	4188524.6	8.0	1.83	3.40	0.40	YES
L0009982	0	0.10056E-05	653446.0	4188531.9	8.0	1.83	3.40	0.40	YES
L0009983	0	0.10056E-05	653445.5	4188539.2	8.0	1.83	3.40	0.40	YES
L0009984	0	0.10056E-05	653445.0	4188546.5	8.0	1.83	3.40	0.40	YES
L0009985	0	0.10056E-05	653444.5	4188553.8	8.0	1.83	3.40	0.40	YES
L0009986	0	0.10056E-05	653444.1	4188561.1	8.0	1.83	3.40	0.40	YES
L0009987	0	0.10056E-05	653443.6	4188568.4	8.0	1.83	3.40	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0009988	0	0.10056E-05	653443.1	4188575.7	8.0	1.83	3.40	0.40	YES	
L0009989	0	0.10056E-05	653444.1	4188582.5	8.0	1.83	3.24	0.40	YES	
L0009990	0	0.10056E-05	653445.6	4188589.3	8.0	1.83	3.24	0.40	YES	
L0009991	0	0.10056E-05	653447.2	4188596.1	8.0	1.83	3.24	0.40	YES	
L0009992	0	0.10056E-05	653448.8	4188602.9	8.0	1.83	3.24	0.40	YES	
L0009993	0	0.10056E-05	653450.3	4188609.7	8.0	1.83	3.24	0.40	YES	
L0009994	0	0.10056E-05	653451.9	4188616.5	8.0	1.83	3.24	0.40	YES	
L0009995	0	0.10056E-05	653453.4	4188623.3	8.0	1.83	3.24	0.40	YES	
L0009996	0	0.10056E-05	653455.0	4188630.1	8.0	1.83	3.24	0.40	YES	
L0009997	0	0.10056E-05	653456.5	4188636.8	8.0	1.83	3.24	0.40	YES	
L0009998	0	0.10056E-05	653458.1	4188643.6	8.0	1.83	3.24	0.40	YES	
L0009999	0	0.10056E-05	653459.6	4188650.4	8.0	1.83	3.24	0.40	YES	
L0010000	0	0.10056E-05	653461.2	4188657.2	8.0	1.83	3.24	0.40	YES	
L0010001	0	0.10056E-05	653462.8	4188664.0	8.0	1.83	3.24	0.40	YES	
L0010002	0	0.10056E-05	653464.3	4188670.8	8.0	1.83	3.24	0.40	YES	
L0010003	0	0.10056E-05	653465.9	4188677.6	8.0	1.83	3.24	0.40	YES	
L0010004	0	0.10056E-05	653467.4	4188684.4	8.0	1.83	3.24	0.40	YES	
L0010005	0	0.10056E-05	653469.0	4188691.2	8.0	1.83	3.24	0.40	YES	
L0010006	0	0.10056E-05	653470.5	4188698.0	8.0	1.83	3.24	0.40	YES	
L0010007	0	0.34115E-05	653158.1	4188708.0	8.0	8.00	5.09	0.86	YES	
L0010008	0	0.34115E-05	653157.7	4188718.9	8.0	8.00	5.09	0.86	YES	
L0010009	0	0.34115E-05	653157.2	4188729.8	8.0	8.00	5.09	0.86	YES	
L0010010	0	0.34115E-05	653156.8	4188740.8	8.0	8.00	5.09	0.86	YES	
L0010011	0	0.34115E-05	653156.4	4188751.7	8.0	8.00	5.09	0.86	YES	
L0010012	0	0.34115E-05	653155.9	4188762.6	8.0	8.00	5.09	0.86	YES	
L0010013	0	0.34115E-05	653155.5	4188773.6	8.0	8.00	5.09	0.86	YES	
L0010014	0	0.34115E-05	653155.1	4188784.5	8.0	8.00	5.09	0.86	YES	
L0010015	0	0.34115E-05	653154.7	4188795.4	8.0	8.00	5.09	0.86	YES	
L0010016	0	0.34115E-05	653154.2	4188806.3	8.0	8.00	5.09	0.86	YES	
L0010017	0	0.34115E-05	653153.8	4188817.3	8.0	8.00	5.09	0.86	YES	
L0010018	0	0.34115E-05	653153.4	4188828.2	8.0	8.00	5.09	0.86	YES	
L0010019	0	0.34115E-05	653153.0	4188839.1	8.0	8.00	5.09	0.86	YES	
L0010020	0	0.34115E-05	653152.5	4188850.0	8.0	8.00	5.09	0.86	YES	
L0010021	0	0.34115E-05	653152.1	4188861.0	8.0	8.00	5.09	0.86	YES	
L0010022	0	0.34115E-05	653151.7	4188871.9	8.0	8.00	5.09	0.86	YES	
L0010023	0	0.34115E-05	653151.3	4188882.8	8.0	8.00	5.09	0.86	YES	
L0010024	0	0.34115E-05	653150.8	4188893.8	8.0	8.00	5.09	0.86	YES	
L0010025	0	0.34115E-05	653150.4	4188904.7	8.0	8.00	5.09	0.86	YES	
L0010026	0	0.34115E-05	653150.0	4188915.6	8.0	8.00	5.09	0.86	YES	
L0010027	0	0.34115E-05	653149.5	4188926.5	8.0	8.00	5.09	0.86	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0010028	0	0.34115E-05	653149.1	4188937.5	8.0	8.00	5.09	0.86	YES	
L0010029	0	0.34115E-05	653148.7	4188948.4	8.0	8.00	5.09	0.86	YES	

L0010030	0	0.34115E-05	653148.3	4188959.3	8.0	8.00	5.09	0.86	YES
L0010031	0	0.34115E-05	653147.8	4188970.2	8.0	8.00	5.09	0.86	YES
L0010032	0	0.34115E-05	653147.4	4188981.2	8.0	8.00	5.09	0.86	YES
L0010033	0	0.34115E-05	653147.0	4188992.1	8.0	8.00	5.09	0.86	YES
L0010034	0	0.34115E-05	653146.6	4189003.0	8.0	8.00	5.09	0.86	YES
L0010035	0	0.34115E-05	653146.1	4189014.0	8.0	8.00	5.09	0.86	YES
L0010036	0	0.34115E-05	653145.7	4189024.9	8.0	8.00	5.09	0.86	YES
L0010037	0	0.34115E-05	653145.3	4189035.8	8.0	8.00	5.09	0.86	YES
L0010038	0	0.34115E-05	653144.9	4189046.7	8.0	8.00	5.09	0.86	YES
L0010039	0	0.34115E-05	653144.4	4189057.7	8.0	8.00	5.09	0.86	YES
L0010040	0	0.34115E-05	653144.0	4189068.6	8.0	8.00	5.09	0.86	YES
L0010041	0	0.34115E-05	653143.6	4189079.5	8.0	8.00	5.09	0.86	YES
L0010042	0	0.34115E-05	653143.1	4189090.4	8.0	8.00	5.09	0.86	YES
L0010043	0	0.34115E-05	653142.7	4189101.4	8.0	8.00	5.09	0.86	YES
L0010044	0	0.34115E-05	653142.3	4189112.3	8.0	8.00	5.09	0.86	YES
L0010045	0	0.34115E-05	653141.9	4189123.2	8.0	8.00	5.09	0.86	YES
L0010046	0	0.34115E-05	653141.4	4189134.2	8.0	8.00	5.09	0.86	YES
L0010047	0	0.34115E-05	653141.0	4189145.1	8.0	8.00	5.09	0.86	YES
L0010048	0	0.34115E-05	653140.6	4189156.0	8.0	8.00	5.09	0.86	YES
L0010049	0	0.34115E-05	653140.2	4189166.9	8.0	8.00	5.09	0.86	YES
L0010050	0	0.34115E-05	653139.7	4189177.9	8.0	8.00	5.09	0.86	YES
L0010051	0	0.34115E-05	653139.3	4189188.8	8.0	8.00	5.09	0.86	YES
L0010052	0	0.34115E-05	653138.9	4189199.7	8.0	8.00	5.09	0.86	YES
L0010053	0	0.34115E-05	653138.5	4189210.6	8.0	8.00	5.09	0.86	YES
L0010054	0	0.34115E-05	653138.0	4189221.6	8.0	8.00	5.09	0.86	YES
L0010055	0	0.34115E-05	653137.6	4189232.5	8.0	8.00	5.09	0.86	YES
L0010056	0	0.34115E-05	653137.2	4189243.4	8.0	8.00	5.09	0.86	YES
L0010057	0	0.34115E-05	653136.7	4189254.4	8.0	8.00	5.09	0.86	YES
L0010058	0	0.34115E-05	653136.3	4189265.3	8.0	8.00	5.09	0.86	YES
L0010059	0	0.34115E-05	653135.9	4189276.2	8.0	8.00	5.09	0.86	YES
L0010060	0	0.34115E-05	653135.5	4189287.1	8.0	8.00	5.09	0.86	YES
L0010061	0	0.34115E-05	653135.0	4189298.1	8.0	8.00	5.09	0.86	YES
L0010062	0	0.34115E-05	653134.6	4189309.0	8.0	8.00	5.09	0.86	YES
L0010063	0	0.34115E-05	653134.2	4189319.9	8.0	8.00	5.09	0.86	YES
L0010064	0	0.34115E-05	653133.8	4189330.9	8.0	8.00	5.09	0.86	YES
L0010065	0	0.34115E-05	653133.3	4189341.8	8.0	8.00	5.09	0.86	YES
L0010066	0	0.34115E-05	653132.9	4189352.7	8.0	8.00	5.09	0.86	YES
L0010067	0	0.34115E-05	653132.5	4189363.6	8.0	8.00	5.09	0.86	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0010068	0	0.34115E-05	653132.1	4189374.6	8.0	8.00	5.09	0.86	YES	
L0010069	0	0.34115E-05	653131.6	4189385.5	8.0	8.00	5.09	0.86	YES	
L0010070	0	0.34115E-05	653131.2	4189396.4	8.0	8.00	5.09	0.86	YES	
L0010071	0	0.34115E-05	653130.8	4189407.3	8.0	8.00	5.09	0.86	YES	
L0010072	0	0.34115E-05	653130.3	4189418.3	8.0	8.00	5.09	0.86	YES	
L0010073	0	0.34115E-05	653129.9	4189429.2	8.0	8.00	5.09	0.86	YES	
L0010074	0	0.34115E-05	653129.5	4189440.1	8.0	8.00	5.09	0.86	YES	
L0010075	0	0.34115E-05	653129.1	4189451.1	8.0	8.00	5.09	0.86	YES	
L0010076	0	0.34115E-05	653128.6	4189462.0	8.0	8.00	5.09	0.86	YES	
L0010077	0	0.34115E-05	653128.2	4189472.9	8.0	8.00	5.09	0.86	YES	
L0010078	0	0.34115E-05	653127.8	4189483.8	8.0	8.00	5.09	0.86	YES	
L0010079	0	0.34115E-05	653127.4	4189494.8	8.0	8.00	5.09	0.86	YES	
L0010080	0	0.34115E-05	653126.9	4189505.7	8.0	8.00	5.09	0.86	YES	
L0010081	0	0.34115E-05	653126.5	4189516.6	8.0	8.00	5.09	0.86	YES	
L0010082	0	0.34115E-05	653126.1	4189527.5	8.0	8.00	5.09	0.86	YES	
L0010083	0	0.34115E-05	653125.6	4189538.5	8.0	8.00	5.09	0.86	YES	
L0010084	0	0.34115E-05	653125.2	4189549.4	8.0	8.00	5.09	0.86	YES	
L0010085	0	0.34115E-05	653124.8	4189560.3	8.0	8.00	5.09	0.86	YES	
L0010086	0	0.34115E-05	653124.4	4189571.3	8.0	8.00	5.09	0.86	YES	
L0010087	0	0.34115E-05	653123.9	4189582.2	8.0	8.00	5.09	0.86	YES	
L0010088	0	0.34115E-05	653123.5	4189593.1	8.0	8.00	5.09	0.86	YES	
L0010089	0	0.34115E-05	653123.1	4189604.0	8.0	8.00	5.09	0.86	YES	
L0010090	0	0.34115E-05	653122.7	4189615.0	8.0	8.00	5.09	0.86	YES	
L0010091	0	0.34115E-05	653122.2	4189625.9	8.0	8.00	5.09	0.86	YES	
L0010092	0	0.34115E-05	653121.8	4189636.8	8.0	8.00	5.09	0.86	YES	
L0010093	0	0.34115E-05	653121.4	4189647.7	8.0	8.00	5.09	0.86	YES	
L0010094	0	0.34115E-05	653121.0	4189658.7	8.0	8.00	5.09	0.86	YES	
L0010095	0	0.34115E-05	653120.5	4189669.6	8.0	8.00	5.09	0.86	YES	
L0010096	0	0.34115E-05	653120.1	4189680.5	8.0	8.00	5.09	0.86	YES	
L0010097	0	0.34115E-05	653119.7	4189691.5	8.0	8.00	5.09	0.86	YES	
L0010098	0	0.34115E-05	653119.2	4189702.4	8.0	8.00	5.09	0.86	YES	
L0010099	0	0.34115E-05	653118.8	4189713.3	8.0	8.00	5.09	0.86	YES	
L0010100	0	0.34115E-05	653118.4	4189724.2	8.0	8.00	5.09	0.86	YES	
L0010101	0	0.34115E-05	653118.0	4189735.2	8.0	8.00	5.09	0.86	YES	
L0010102	0	0.34115E-05	653117.5	4189746.1	8.0	8.00	5.09	0.86	YES	
L0010103	0	0.34115E-05	653117.1	4189757.0	8.0	8.00	5.09	0.86	YES	
L0010104	0	0.34115E-05	653116.7	4189767.9	8.0	8.00	5.09	0.86	YES	
L0010105	0	0.34115E-05	653116.3	4189778.9	8.0	8.00	5.09	0.86	YES	
L0010106	0	0.34115E-05	653115.8	4189789.8	8.0	8.00	5.09	0.86	YES	
L0010107	0	0.34115E-05	653115.4	4189800.7	8.0	8.00	5.09	0.86	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0010108	0	0.34115E-05	653115.0	4189811.7	8.0	8.00	5.09	0.86	YES
L0010109	0	0.34115E-05	653114.6	4189822.6	8.0	8.00	5.09	0.86	YES
L0010110	0	0.34115E-05	653114.1	4189833.5	8.0	8.00	5.09	0.86	YES
L0010111	0	0.34115E-05	653113.7	4189844.4	8.0	8.00	5.09	0.86	YES
L0010112	0	0.34115E-05	653113.3	4189855.4	8.0	8.00	5.09	0.86	YES
L0010113	0	0.34115E-05	653112.8	4189866.3	8.0	8.00	5.09	0.86	YES
L0010114	0	0.34115E-05	653112.4	4189877.2	8.0	8.00	5.09	0.86	YES
L0010115	0	0.34115E-05	653112.0	4189888.1	8.0	8.00	5.09	0.86	YES
L0010116	0	0.34115E-05	653111.6	4189899.1	8.0	8.00	5.09	0.86	YES
L0010117	0	0.34115E-05	653111.1	4189910.0	8.0	8.00	5.09	0.86	YES
L0010118	0	0.34115E-05	653110.7	4189920.9	8.0	8.00	5.09	0.86	YES
L0010119	0	0.34115E-05	653110.3	4189931.9	8.0	8.00	5.09	0.86	YES
L0010120	0	0.34115E-05	653109.9	4189942.8	8.0	8.00	5.09	0.86	YES
L0010121	0	0.34115E-05	653109.4	4189953.7	8.0	8.00	5.09	0.86	YES
L0010122	0	0.34115E-05	653109.0	4189964.6	8.0	8.00	5.09	0.86	YES
L0010123	0	0.34115E-05	653108.6	4189975.6	8.0	8.00	5.09	0.86	YES
L0010124	0	0.34115E-05	653108.2	4189986.5	8.0	8.00	5.09	0.86	YES
L0010125	0	0.34115E-05	653107.7	4189997.4	8.0	8.00	5.09	0.86	YES
L0010126	0	0.34115E-05	653107.3	4190008.3	8.0	8.00	5.09	0.86	YES
L0010127	0	0.34115E-05	653106.9	4190019.3	8.0	8.00	5.09	0.86	YES
L0010128	0	0.34115E-05	653106.4	4190030.2	8.0	8.00	5.09	0.86	YES
L0010129	0	0.34115E-05	653106.0	4190041.1	8.0	8.00	5.09	0.86	YES
L0010130	0	0.34115E-05	653105.6	4190052.1	8.0	8.00	5.09	0.86	YES
L0010131	0	0.34115E-05	653105.2	4190063.0	8.0	8.00	5.09	0.86	YES
L0010132	0	0.34115E-05	653104.7	4190073.9	8.0	8.00	5.09	0.86	YES
L0010133	0	0.34115E-05	653104.3	4190084.8	8.0	8.00	5.09	0.86	YES
L0010134	0	0.34115E-05	653103.9	4190095.8	8.0	8.00	5.09	0.86	YES
L0010135	0	0.34115E-05	653103.5	4190106.7	8.0	8.00	5.09	0.86	YES
L0010136	0	0.34115E-05	653103.0	4190117.6	8.0	8.00	5.09	0.86	YES
L0010137	0	0.34115E-05	653102.6	4190128.5	8.0	8.00	5.09	0.86	YES
L0010138	0	0.34115E-05	653102.2	4190139.5	8.0	8.00	5.09	0.86	YES
L0010139	0	0.34115E-05	653101.8	4190150.4	8.0	8.00	5.09	0.86	YES
L0010140	0	0.34115E-05	653101.3	4190161.3	8.0	8.00	5.09	0.86	YES
L0010141	0	0.34115E-05	653100.9	4190172.3	8.0	8.00	5.09	0.86	YES
L0010142	0	0.34115E-05	653100.5	4190183.2	8.0	8.00	5.09	0.86	YES
L0010143	0	0.34115E-05	653100.0	4190194.1	8.0	8.00	5.09	0.86	YES
L0010144	0	0.34115E-05	653099.6	4190205.0	8.0	8.00	5.09	0.86	YES
L0010145	0	0.34115E-05	653099.2	4190216.0	8.0	8.00	5.09	0.86	YES
L0010146	0	0.34115E-05	653098.8	4190226.9	8.0	8.00	5.09	0.86	YES
L0010147	0	0.34115E-05	653098.3	4190237.8	8.0	8.00	5.09	0.86	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0010148	0	0.34115E-05	653097.9	4190248.8	8.0	8.00	5.09	0.86	YES	
L0010149	0	0.34115E-05	653097.5	4190259.7	8.0	8.00	5.09	0.86	YES	
L0010150	0	0.34115E-05	653097.1	4190270.6	8.0	8.00	5.09	0.86	YES	
L0010151	0	0.34115E-05	653096.6	4190281.5	8.0	8.00	5.09	0.86	YES	
L0010152	0	0.34115E-05	653096.2	4190292.5	8.0	8.00	5.09	0.86	YES	
L0010153	0	0.34115E-05	653095.8	4190303.4	8.0	8.00	5.09	0.86	YES	
L0010154	0	0.34115E-05	653095.4	4190314.3	8.0	8.00	5.09	0.86	YES	
L0010155	0	0.34115E-05	653094.9	4190325.2	8.0	8.00	5.09	0.86	YES	
L0010156	0	0.34115E-05	653094.5	4190336.2	8.0	8.00	5.09	0.86	YES	
L0010157	0	0.34115E-05	653094.1	4190347.1	8.0	8.00	5.09	0.86	YES	
L0010158	0	0.34115E-05	653093.6	4190358.0	8.0	8.00	5.09	0.86	YES	
L0010159	0	0.34115E-05	653093.2	4190369.0	8.0	8.00	5.09	0.86	YES	
L0010160	0	0.34115E-05	653092.8	4190379.9	8.0	8.00	5.09	0.86	YES	
L0010161	0	0.34115E-05	653092.4	4190390.8	8.0	8.00	5.09	0.86	YES	
L0010162	0	0.34115E-05	653091.9	4190401.7	8.0	8.00	5.09	0.86	YES	
L0010163	0	0.34115E-05	653091.5	4190412.7	8.0	8.00	5.09	0.86	YES	
L0010164	0	0.34115E-05	653091.1	4190423.6	8.0	8.00	5.09	0.86	YES	
L0010165	0	0.34115E-05	653090.7	4190434.5	8.0	8.00	5.09	0.86	YES	
L0010166	0	0.34115E-05	653090.2	4190445.4	8.0	8.00	5.09	0.86	YES	
L0010167	0	0.34115E-05	653089.8	4190456.4	8.0	8.00	5.09	0.86	YES	
L0010168	0	0.34115E-05	653089.4	4190467.3	8.0	8.00	5.09	0.86	YES	
L0010169	0	0.34115E-05	653089.0	4190478.2	8.0	8.00	5.09	0.86	YES	
L0010170	0	0.34115E-05	653088.5	4190489.2	8.0	8.00	5.09	0.86	YES	
L0010171	0	0.34115E-05	653088.1	4190500.1	8.0	8.00	5.09	0.86	YES	
L0010172	0	0.34115E-05	653087.7	4190511.0	8.0	8.00	5.09	0.86	YES	
L0010173	0	0.34115E-05	653087.2	4190521.9	8.0	8.00	5.05	0.86	YES	
L0010174	0	0.34115E-05	653086.8	4190532.7	8.0	8.00	5.05	0.86	YES	
L0010175	0	0.34115E-05	653086.3	4190543.6	8.0	8.00	5.05	0.86	YES	
L0010176	0	0.34115E-05	653085.9	4190554.4	8.0	8.00	5.05	0.86	YES	
L0010177	0	0.34115E-05	653085.5	4190565.3	8.0	8.00	5.05	0.86	YES	
L0010178	0	0.34115E-05	653085.0	4190576.1	8.0	8.00	5.05	0.86	YES	
L0010179	0	0.34115E-05	653084.6	4190587.0	8.0	8.00	5.05	0.86	YES	
L0010180	0	0.34115E-05	653084.1	4190597.8	8.0	8.00	5.05	0.86	YES	
L0010181	0	0.34115E-05	653083.7	4190608.6	8.0	8.00	5.05	0.86	YES	
L0010182	0	0.34115E-05	653083.2	4190619.5	8.0	8.00	5.05	0.86	YES	
L0010183	0	0.34115E-05	653082.8	4190630.3	8.0	8.00	5.05	0.86	YES	
L0010184	0	0.34115E-05	653082.3	4190641.2	8.0	8.00	5.05	0.86	YES	
L0010185	0	0.34115E-05	653081.9	4190652.0	8.0	8.00	5.05	0.86	YES	
L0010186	0	0.34115E-05	653081.4	4190662.9	8.0	8.00	5.05	0.86	YES	
L0010187	0	0.34115E-05	653081.0	4190673.7	8.0	8.00	5.05	0.86	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0010188	0	0.34115E-05	653080.6	4190684.6	8.0	8.00	5.05	0.86	YES
L0010189	0	0.34115E-05	653080.1	4190695.4	8.0	8.00	5.05	0.86	YES
L0010190	0	0.34115E-05	653079.7	4190706.3	8.0	8.00	5.05	0.86	YES
L0010191	0	0.34115E-05	653079.2	4190717.1	8.0	8.00	5.05	0.86	YES
L0010192	0	0.34115E-05	653078.8	4190728.0	8.0	8.00	5.05	0.86	YES
L0010193	0	0.34115E-05	653078.3	4190738.8	8.0	8.00	5.05	0.86	YES
L0010194	0	0.34115E-05	653077.9	4190749.7	8.0	8.00	5.05	0.86	YES
L0010195	0	0.34115E-05	653077.4	4190760.5	8.0	8.00	5.05	0.86	YES
L0010196	0	0.34115E-05	653077.0	4190771.4	8.0	8.00	5.05	0.86	YES
L0010197	0	0.34115E-05	653076.6	4190782.2	8.0	8.00	5.05	0.86	YES
L0010198	0	0.34115E-05	653076.1	4190793.1	8.0	8.00	5.05	0.86	YES
L0010199	0	0.34115E-05	653075.7	4190803.9	8.0	8.00	5.05	0.86	YES
L0010200	0	0.34115E-05	653075.2	4190814.8	8.0	8.00	5.05	0.86	YES
L0010201	0	0.34115E-05	653074.8	4190825.6	8.0	8.00	5.05	0.86	YES
L0010202	0	0.34115E-05	653074.3	4190836.5	8.0	8.00	5.05	0.86	YES
L0010203	0	0.34115E-05	653073.9	4190847.3	8.0	8.00	5.05	0.86	YES
L0010204	0	0.34115E-05	653073.4	4190858.2	8.0	8.00	5.05	0.86	YES
L0010205	0	0.34115E-05	653073.0	4190869.0	8.0	8.00	5.05	0.86	YES
L0010206	0	0.34115E-05	653072.6	4190879.9	8.0	8.00	5.05	0.86	YES
L0010207	0	0.34115E-05	653072.1	4190890.7	8.0	8.00	5.05	0.86	YES
L0010208	0	0.34115E-05	653071.7	4190901.6	8.0	8.00	5.05	0.86	YES
L0010209	0	0.34115E-05	653071.2	4190912.4	8.0	8.00	5.05	0.86	YES
L0010210	0	0.34115E-05	653070.8	4190923.3	8.0	8.00	5.05	0.86	YES
L0010211	0	0.34115E-05	653070.3	4190934.1	8.0	8.00	5.05	0.86	YES
L0010212	0	0.34115E-05	653069.9	4190945.0	8.0	8.00	5.05	0.86	YES
L0010213	0	0.34115E-05	653069.4	4190955.8	8.0	8.00	5.05	0.86	YES
L0010214	0	0.34115E-05	653069.0	4190966.7	8.0	8.00	5.05	0.86	YES
L0010215	0	0.34115E-05	653068.6	4190977.5	8.0	8.00	5.05	0.86	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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L0009867, L0009868, L0009869, L0009870, L0009871, L0009872, L0009873, L0009874, L0009875, L0009876, L0009877, L0009878,

L0009879, L0009880, L0009881, L0009882, L0009883, L0009884, L0009885, L0009886, L0009887, L0009888, L0009889, L0009890,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0009891, L0009892, L0009893, L0009894, L0009895, L0009896, L0009897, L0009898, L0009899, L0009900, L0009901, L0009902,

L0009903, L0009904, L0009905, L0009906, L0009907, L0009908, L0009909, L0009910, L0009911, L0009912, L0009913, L0009914,

L0009915, L0009916, L0009917, L0009918, L0009919, L0009920, L0009921, L0009922, L0009923, L0009924, L0009925, L0009926,

L0009927, L0009928, L0009929, L0009930, L0009931, L0009932, L0009933, L0009934, L0009935, L0009936, L0009937, L0009938,

L0009939, L0009940, L0009941, L0009942, L0009943, L0009944, L0009945, L0009946, L0009947, L0009948, L0009949, L0009950,

L0009951, L0009952, L0009953, L0009954, L0009955, L0009956, L0009957, L0009958, L0009959, L0009960, L0009961, L0009962,

L0009963, L0009964, L0009965, L0009966, L0009967, L0009968, L0009969, L0009970, L0009971, L0009972, L0009973, L0009974,

L0009975, L0009976, L0009977, L0009978, L0009979, L0009980, L0009981, L0009982, L0009983, L0009984, L0009985, L0009986,

L0009987, L0009988, L0009989, L0009990, L0009991, L0009992, L0009993, L0009994, L0009995, L0009996, L0009997, L0009998,

L0009999, L0010000, L0010001, L0010002, L0010003, L0010004, L0010005, L0010006, INCIC1_1, INCIC1_2, INCIC2_1, INCIC2_2,

INCIC3_1, INCIC3_2, INCIC4_1, INCIC4_2, INCIC5_1, INCIC5_2, INCIC6 , INCIC7 , INCIC8 , INCIC9 , INCIC10 , INCIC11 ,

INCIC12 , INCIC13 , INCIC14 , L0010007, L0010008, L0010009, L0010010, L0010011, L0010012, L0010013, L0010014, L0010015,

L0010016, L0010017, L0010018, L0010019, L0010020, L0010021, L0010022, L0010023, L0010024, L0010025, L0010026, L0010027,

L0010028, L0010029, L0010030, L0010031, L0010032, L0010033, L0010034, L0010035, L0010036, L0010037, L0010038, L0010039,

L0010040, L0010041, L0010042, L0010043, L0010044, L0010045, L0010046, L0010047, L0010048, L0010049, L0010050, L0010051,

L0010052, L0010053, L0010054, L0010055, L0010056, L0010057, L0010058, L0010059, L0010060, L0010061, L0010062, L0010063,

L0010064, L0010065, L0010066, L0010067, L0010068, L0010069, L0010070, L0010071, L0010072, L0010073, L0010074, L0010075,

L0010076, L0010077, L0010078, L0010079, L0010080, L0010081, L0010082, L0010083, L0010084, L0010085, L0010086, L0010087,

L0010088, L0010089, L0010090, L0010091, L0010092, L0010093, L0010094, L0010095, L0010096, L0010097, L0010098, L0010099,

L0010100, L0010101, L0010102, L0010103, L0010104, L0010105, L0010106, L0010107, L0010108, L0010109, L0010110, L0010111,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0010112, L0010113, L0010114, L0010115, L0010116, L0010117, L0010118, L0010119, L0010120, L0010121, L0010122, L0010123,

L0010124, L0010125, L0010126, L0010127, L0010128, L0010129, L0010130, L0010131, L0010132, L0010133, L0010134, L0010135,

L0010136, L0010137, L0010138, L0010139, L0010140, L0010141, L0010142, L0010143, L0010144, L0010145, L0010146, L0010147,

L0010148, L0010149, L0010150, L0010151, L0010152, L0010153, L0010154, L0010155, L0010156, L0010157, L0010158, L0010159,

L0010160, L0010161, L0010162, L0010163, L0010164, L0010165, L0010166, L0010167, L0010168, L0010169, L0010170, L0010171,

L0010172, L0010173, L0010174, L0010175, L0010176, L0010177, L0010178, L0010179, L0010180, L0010181, L0010182, L0010183,

L0010184, L0010185, L0010186, L0010187, L0010188, L0010189, L0010190, L0010191, L0010192, L0010193, L0010194, L0010195,

L0010196, L0010197, L0010198, L0010199, L0010200, L0010201, L0010202, L0010203, L0010204, L0010205, L0010206, L0010207,

L0010208, L0010209, L0010210, L0010211, L0010212, L0010213, L0010214, L0010215,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC1_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-105.0,	-58.0,	2	12.2,	452.6,	713.8,	-96.6,	-13.0,
3	12.2,	542.8,	687.7,	-85.2,	32.5,	4	12.2,	616.4,	640.8,	-71.3,	76.9,
5	12.2,	671.4,	574.3,	-55.2,	119.0,	6	12.2,	705.9,	490.5,	-37.5,	157.4,
7	12.2,	719.0,	391.7,	-18.6,	191.1,	8	12.2,	710.3,	281.0,	0.9,	219.0,
9	12.2,	700.7,	234.2,	-15.9,	240.2,	10	12.2,	718.2,	348.7,	-116.4,	254.1,
11	12.2,	713.8,	452.6,	-213.4,	260.3,	12	12.2,	687.7,	542.8,	-303.8,	258.6,
13	12.2,	640.8,	616.4,	-385.1,	249.1,	14	12.2,	574.3,	671.4,	-454.7,	231.9,
15	12.2,	490.5,	705.9,	-510.4,	207.8,	16	12.2,	391.7,	719.0,	-550.6,	177.3,
17	12.2,	281.0,	710.3,	-574.1,	141.4,	18	12.2,	234.2,	700.7,	-590.6,	101.2,
19	12.2,	348.7,	718.2,	-613.2,	58.0,	20	12.2,	452.6,	713.8,	-617.2,	13.0,
21	12.2,	542.8,	687.7,	-602.5,	-32.5,	22	12.2,	616.4,	640.8,	-569.4,	-76.9,
23	12.2,	671.4,	574.3,	-519.1,	-119.0,	24	12.2,	705.9,	490.5,	-453.0,	-157.4,
25	12.2,	719.0,	391.7,	-373.1,	-191.1,	26	12.2,	710.3,	281.0,	-281.9,	-219.0,
27	12.2,	700.7,	234.2,	-218.3,	-240.2,	28	12.2,	718.2,	348.7,	-232.3,	-254.1,
29	12.2,	713.8,	452.6,	-239.2,	-260.3,	30	12.2,	687.7,	542.8,	-238.9,	-258.6,
31	12.2,	640.8,	616.4,	-231.4,	-249.1,	32	12.2,	574.3,	671.4,	-216.7,	-231.9,
33	12.2,	490.5,	705.9,	-195.6,	-207.8,	34	12.2,	391.7,	719.0,	-168.4,	-177.3,
35	12.2,	281.0,	710.3,	-136.2,	-141.4,	36	12.2,	234.2,	700.7,	-110.1,	-101.2,

SOURCE ID: ICIC1_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-278.5,	-98.4,	2	12.2,	452.6,	713.8,	-260.4,	-82.9,
3	12.2,	542.8,	687.7,	-234.5,	-64.9,	4	12.2,	616.4,	640.8,	-201.4,	-44.9,
5	12.2,	671.4,	574.3,	-162.2,	-23.6,	6	12.2,	705.9,	490.5,	-118.0,	-1.5,
7	12.2,	719.0,	391.7,	-70.3,	20.6,	8	12.2,	710.3,	281.0,	-20.5,	42.1,
9	12.2,	700.7,	234.2,	-6.2,	62.3,	10	12.2,	718.2,	348.7,	-75.9,	80.6,
11	12.2,	713.8,	452.6,	-143.4,	96.5,	12	12.2,	687.7,	542.8,	-206.5,	109.4,
13	12.2,	640.8,	616.4,	-263.3,	119.0,	14	12.2,	574.3,	671.4,	-312.1,	125.0,
15	12.2,	490.5,	705.9,	-351.5,	127.2,	16	12.2,	391.7,	719.0,	-380.1,	125.5,
17	12.2,	281.0,	710.3,	-397.2,	120.0,	18	12.2,	234.2,	700.7,	-412.7,	110.9,
19	12.2,	348.7,	718.2,	-439.7,	98.4,	20	12.2,	452.6,	713.8,	-453.4,	82.9,
21	12.2,	542.8,	687.7,	-453.3,	64.9,	22	12.2,	616.4,	640.8,	-439.4,	44.9,
23	12.2,	671.4,	574.3,	-412.2,	23.6,	24	12.2,	705.9,	490.5,	-372.4,	1.5,
25	12.2,	719.0,	391.7,	-321.4,	-20.6,	26	12.2,	710.3,	281.0,	-260.5,	-42.1,
27	12.2,	700.7,	234.2,	-228.0,	-62.3,	28	12.2,	718.2,	348.7,	-272.7,	-80.6,
29	12.2,	713.8,	452.6,	-309.2,	-96.5,	30	12.2,	687.7,	542.8,	-336.3,	-109.4,
31	12.2,	640.8,	616.4,	-353.1,	-119.0,	32	12.2,	574.3,	671.4,	-359.3,	-125.0,
33	12.2,	490.5,	705.9,	-354.5,	-127.2,	34	12.2,	391.7,	719.0,	-338.9,	-125.5,
35	12.2,	281.0,	710.3,	-313.1,	-120.0,	36	12.2,	234.2,	700.7,	-288.1,	-110.9,

SOURCE ID: ICIC1_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-436.6,	-132.9,	2	12.2,	452.6,	713.8,	-410.2,	-144.3,
3	12.2,	542.8,	687.7,	-371.3,	-151.4,	4	12.2,	616.4,	640.8,	-321.1,	-153.8,
5	12.2,	671.4,	574.3,	-261.2,	-151.6,	6	12.2,	705.9,	490.5,	-193.3,	-144.8,
7	12.2,	719.0,	391.7,	-119.6,	-133.6,	8	12.2,	710.3,	281.0,	-42.2,	-118.3,

9	12.2,	700.7,	234.2,	0.3,	-99.5,	10	12.2,	718.2,	348.7,	-41.5,	-77.6,
11	12.2,	713.8,	452.6,	-82.0,	-53.3,	12	12.2,	687.7,	542.8,	-120.0,	-27.4,
13	12.2,	640.8,	616.4,	-154.4,	-0.7,	14	12.2,	574.3,	671.4,	-184.1,	26.0,
15	12.2,	490.5,	705.9,	-208.2,	51.9,	16	12.2,	391.7,	719.0,	-225.9,	76.3,
17	12.2,	281.0,	710.3,	-236.8,	98.3,	18	12.2,	234.2,	700.7,	-250.9,	117.4,
19	12.2,	348.7,	718.2,	-281.5,	132.9,	20	12.2,	452.6,	713.8,	-303.6,	144.3,
21	12.2,	542.8,	687.7,	-316.4,	151.4,	22	12.2,	616.4,	640.8,	-319.7,	153.8,
23	12.2,	671.4,	574.3,	-313.2,	151.6,	24	12.2,	705.9,	490.5,	-297.2,	144.8,
25	12.2,	719.0,	391.7,	-272.1,	133.6,	26	12.2,	710.3,	281.0,	-238.8,	118.3,
27	12.2,	700.7,	234.2,	-234.5,	99.5,	28	12.2,	718.2,	348.7,	-307.2,	77.6,
29	12.2,	713.8,	452.6,	-370.6,	53.3,	30	12.2,	687.7,	542.8,	-422.8,	27.4,
31	12.2,	640.8,	616.4,	-462.1,	0.7,	32	12.2,	574.3,	671.4,	-487.3,	-26.0,
33	12.2,	490.5,	705.9,	-497.8,	-51.9,	34	12.2,	391.7,	719.0,	-493.1,	-76.3,
35	12.2,	281.0,	710.3,	-473.5,	-98.3,	36	12.2,	234.2,	700.7,	-449.8,	-117.4,

SOURCE ID: ICIC1_4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-584.7,	-168.8,	2	12.2,	452.6,	713.8,	-549.8,	-205.4,
3	12.2,	542.8,	687.7,	-498.1,	-235.8,	4	12.2,	616.4,	640.8,	-431.4,	-259.0,
5	12.2,	671.4,	574.3,	-351.5,	-274.3,	6	12.2,	705.9,	490.5,	-260.9,	-281.3,
7	12.2,	719.0,	391.7,	-162.4,	-279.8,	8	12.2,	710.3,	281.0,	-59.0,	-269.7,
9	12.2,	700.7,	234.2,	10.0,	-251.5,	10	12.2,	718.2,	348.7,	-5.5,	-225.6,
11	12.2,	713.8,	452.6,	-20.9,	-192.9,	12	12.2,	687.7,	542.8,	-35.6,	-154.2,
13	12.2,	640.8,	616.4,	-49.2,	-111.0,	14	12.2,	574.3,	671.4,	-61.3,	-64.3,
15	12.2,	490.5,	705.9,	-71.6,	-15.7,	16	12.2,	391.7,	719.0,	-79.7,	33.4,
17	12.2,	281.0,	710.3,	-85.4,	81.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	348.7,	718.2,	-133.5,	168.8,	20	12.2,	452.6,	713.8,	-164.0,	205.4,
21	12.2,	542.8,	687.7,	-189.6,	235.8,	22	12.2,	616.4,	640.8,	-209.4,	259.0,
23	12.2,	671.4,	574.3,	-222.9,	274.3,	24	12.2,	705.9,	490.5,	-229.6,	281.3,
25	12.2,	719.0,	391.7,	-229.2,	279.8,	26	12.2,	710.3,	281.0,	-222.0,	269.7,
27	12.2,	700.7,	234.2,	-244.2,	251.5,	28	12.2,	718.2,	348.7,	-343.2,	225.6,
29	12.2,	713.8,	452.6,	-431.7,	192.9,	30	12.2,	687.7,	542.8,	-507.2,	154.2,
31	12.2,	640.8,	616.4,	-567.2,	111.0,	32	12.2,	574.3,	671.4,	-610.0,	64.3,
33	12.2,	490.5,	705.9,	-634.3,	15.7,	34	12.2,	391.7,	719.0,	-639.3,	-33.4,
35	12.2,	281.0,	710.3,	-624.9,	-81.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC2_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-40.7,	-81.3,	2	12.2,	367.4,	519.6,	-34.5,	-42.8,
3	12.2,	425.6,	513.2,	-27.4,	-3.1,	4	12.2,	470.9,	491.3,	-19.4,	36.8,
5	12.2,	501.9,	454.5,	-10.8,	75.5,	6	12.2,	517.7,	403.8,	-1.8,	112.0,
7	12.2,	517.7,	340.9,	7.2,	145.0,	8	12.2,	501.9,	267.6,	15.9,	173.6,
9	12.2,	485.2,	219.6,	7.5,	197.0,	10	12.2,	510.1,	298.0,	-67.7,	214.4,
11	12.2,	519.6,	367.4,	-140.9,	225.2,	12	12.2,	513.2,	425.6,	-209.7,	229.2,
13	12.2,	491.3,	470.9,	-272.2,	226.3,	14	12.2,	454.5,	501.9,	-326.5,	216.5,
15	12.2,	403.8,	517.7,	-370.8,	200.1,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-469.4,	81.3,	20	12.2,	367.4,	519.6,	-485.0,	42.8,
21	12.2,	425.6,	513.2,	-485.9,	3.1,	22	12.2,	470.9,	491.3,	-472.0,	-36.8,
23	12.2,	501.9,	454.5,	-443.7,	-75.5,	24	12.2,	517.7,	403.8,	-402.0,	-112.0,
25	12.2,	517.7,	340.9,	-348.0,	-145.0,	26	12.2,	501.9,	267.6,	-283.5,	-173.6,
27	12.2,	485.2,	219.6,	-227.1,	-197.0,	28	12.2,	510.1,	298.0,	-230.3,	-214.4,
29	12.2,	519.6,	367.4,	-226.6,	-225.2,	30	12.2,	513.2,	425.6,	-215.9,	-229.2,
31	12.2,	491.3,	470.9,	-198.7,	-226.3,	32	12.2,	454.5,	501.9,	-175.5,	-216.5,
33	12.2,	403.8,	517.7,	-146.9,	-200.1,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-176.0,	-115.0,	2	12.2,	367.4,	519.6,	-161.9,	-99.5,
3	12.2,	425.6,	513.2,	-143.0,	-81.0,	4	12.2,	470.9,	491.3,	-119.7,	-60.1,
5	12.2,	501.9,	454.5,	-92.7,	-37.3,	6	12.2,	517.7,	403.8,	-63.0,	-13.4,
7	12.2,	517.7,	340.9,	-31.3,	11.0,	8	12.2,	501.9,	267.6,	1.3,	35.0,
9	12.2,	485.2,	219.6,	17.2,	57.9,	10	12.2,	510.1,	298.0,	-34.0,	79.1,
11	12.2,	519.6,	367.4,	-84.2,	97.8,	12	12.2,	513.2,	425.6,	-131.8,	113.6,
13	12.2,	491.3,	470.9,	-175.4,	126.0,	14	12.2,	454.5,	501.9,	-213.7,	134.5,
15	12.2,	403.8,	517.7,	-245.5,	138.9,	16	12.2,	340.9,	517.7,	-269.8,	139.1,
17	12.2,	267.6,	501.9,	-285.9,	135.1,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-334.1,	115.0,	20	12.2,	367.4,	519.6,	-357.6,	99.5,
21	12.2,	425.6,	513.2,	-370.3,	81.0,	22	12.2,	470.9,	491.3,	-371.7,	60.1,
23	12.2,	501.9,	454.5,	-361.7,	37.3,	24	12.2,	517.7,	403.8,	-340.8,	13.4,
25	12.2,	517.7,	340.9,	-309.6,	-11.0,	26	12.2,	501.9,	267.6,	-268.9,	-35.0,
27	12.2,	485.2,	219.6,	-236.8,	-57.9,	28	12.2,	510.1,	298.0,	-264.0,	-79.1,
29	12.2,	519.6,	367.4,	-283.2,	-97.8,	30	12.2,	513.2,	425.6,	-293.9,	-113.6,
31	12.2,	491.3,	470.9,	-295.5,	-126.0,	32	12.2,	454.5,	501.9,	-288.2,	-134.5,
33	12.2,	403.8,	517.7,	-272.2,	-138.9,	34	12.2,	340.9,	517.7,	-247.9,	-139.1,
35	12.2,	267.6,	501.9,	-216.0,	-135.1,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-315.0,	-146.1,	2	12.2,	367.4,	519.6,	-293.5,	-154.3,
3	12.2,	425.6,	513.2,	-263.0,	-157.8,	4	12.2,	470.9,	491.3,	-224.6,	-156.5,
5	12.2,	501.9,	454.5,	-179.3,	-150.5,	6	12.2,	517.7,	403.8,	-128.5,	-139.9,
7	12.2,	517.7,	340.9,	-73.9,	-125.0,	8	12.2,	501.9,	267.6,	-17.0,	-106.3,
9	12.2,	485.2,	219.6,	23.7,	-84.4,	10	12.2,	510.1,	298.0,	-2.9,	-60.0,
11	12.2,	519.6,	367.4,	-29.4,	-33.7,	12	12.2,	513.2,	425.6,	-55.0,	-6.4,
13	12.2,	491.3,	470.9,	-79.0,	21.1,	14	12.2,	454.5,	501.9,	-100.5,	48.0,
15	12.2,	403.8,	517.7,	-119.0,	73.4,	16	12.2,	340.9,	517.7,	-133.9,	96.5,
17	12.2,	267.6,	501.9,	-144.7,	116.8,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-195.1,	146.1,	20	12.2,	367.4,	519.6,	-226.1,	154.3,
21	12.2,	425.6,	513.2,	-250.2,	157.8,	22	12.2,	470.9,	491.3,	-266.8,	156.5,
23	12.2,	501.9,	454.5,	-275.2,	150.5,	24	12.2,	517.7,	403.8,	-275.3,	139.9,
25	12.2,	517.7,	340.9,	-267.0,	125.0,	26	12.2,	501.9,	267.6,	-250.6,	106.3,
27	12.2,	485.2,	219.6,	-243.3,	84.4,	28	12.2,	510.1,	298.0,	-295.1,	60.0,
29	12.2,	519.6,	367.4,	-338.0,	33.7,	30	12.2,	513.2,	425.6,	-370.6,	6.4,

31	12.2,	491.3,	470.9,	-392.0,	-21.1,	32	12.2,	454.5,	501.9,	-401.4,	-48.0,
33	12.2,	403.8,	517.7,	-398.7,	-73.4,	34	12.2,	340.9,	517.7,	-383.8,	-96.5,
35	12.2,	267.6,	501.9,	-357.3,	-116.8,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	12.2,	425.6,	513.2,	-359.4,	-217.2,	4	12.2,	470.9,	491.3,	-309.2,	-231.8,
5	12.2,	501.9,	454.5,	-249.6,	-239.3,	6	12.2,	517.7,	403.8,	-182.3,	-239.5,
7	12.2,	517.7,	340.9,	-109.6,	-232.5,	8	12.2,	501.9,	267.6,	-33.5,	-218.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	510.1,	298.0,	19.9,	-170.9,
11	12.2,	519.6,	367.4,	12.4,	-139.0,	12	12.2,	513.2,	425.6,	4.4,	-102.8,
13	12.2,	491.3,	470.9,	-3.7,	-63.5,	14	12.2,	454.5,	501.9,	-11.7,	-22.3,
15	12.2,	403.8,	517.7,	-19.3,	19.6,	16	12.2,	340.9,	517.7,	-26.4,	60.9,
17	12.2,	267.6,	501.9,	-32.6,	100.3,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	12.2,	425.6,	513.2,	-153.8,	217.2,	22	12.2,	470.9,	491.3,	-182.1,	231.8,
23	12.2,	501.9,	454.5,	-204.9,	239.3,	24	12.2,	517.7,	403.8,	-221.5,	239.5,
25	12.2,	517.7,	340.9,	-231.3,	232.5,	26	12.2,	501.9,	267.6,	-234.1,	218.4,
27	12.2,	485.2,	219.6,	-246.5,	197.7,	28	12.2,	510.1,	298.0,	-318.0,	170.9,
29	12.2,	519.6,	367.4,	-379.8,	139.0,	30	12.2,	513.2,	425.6,	-430.0,	102.8,
31	12.2,	491.3,	470.9,	-467.2,	63.5,	32	12.2,	454.5,	501.9,	-490.2,	22.3,
33	12.2,	403.8,	517.7,	-498.4,	-19.6,	34	12.2,	340.9,	517.7,	-491.3,	-60.9,
35	12.2,	267.6,	501.9,	-469.4,	-100.3,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC3_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-54.8,	48.0,	2	12.2,	161.6,	265.9,	-62.6,	61.1,
3	12.2,	188.0,	207.5,	4.5,	-69.2,	4	12.2,	200.4,	204.9,	16.2,	-49.4,
5	12.2,	247.7,	208.9,	-74.1,	88.1,	6	12.2,	262.3,	176.2,	-73.5,	92.0,
7	12.2,	268.9,	138.1,	-70.7,	93.2,	8	12.2,	267.4,	95.9,	-65.7,	91.5,
9	12.2,	264.5,	78.1,	-72.5,	87.0,	10	12.2,	269.3,	121.7,	-108.8,	79.9,
11	12.2,	203.8,	169.8,	2.1,	94.6,	12	12.2,	207.5,	188.0,	-24.7,	108.2,
13	12.2,	235.2,	225.5,	-194.3,	45.2,	14	12.2,	208.9,	247.7,	-212.0,	30.3,
15	12.2,	176.2,	262.3,	-223.2,	14.6,	16	12.2,	138.1,	268.9,	-227.7,	-1.6,
17	12.2,	95.9,	267.4,	-225.2,	-17.8,	18	12.2,	78.1,	264.5,	-219.3,	-33.4,
19	12.2,	121.7,	269.3,	-214.5,	-48.0,	20	12.2,	161.6,	265.9,	-203.3,	-61.1,
21	12.2,	188.0,	207.5,	-212.0,	69.2,	22	12.2,	200.4,	204.9,	-221.1,	49.4,
23	12.2,	206.7,	196.1,	-223.5,	28.1,	24	12.2,	206.8,	181.4,	-219.0,	5.8,
25	12.2,	200.5,	161.1,	-208.0,	-16.5,	26	12.2,	188.2,	135.9,	-190.6,	-38.4,
27	12.2,	178.0,	118.8,	-173.5,	-59.1,	28	12.2,	193.9,	146.5,	-175.4,	-78.0,
29	12.2,	203.8,	169.8,	-171.9,	-94.6,	30	12.2,	207.5,	188.0,	-163.2,	-108.2,
31	12.2,	235.2,	225.5,	-31.2,	-45.2,	32	12.2,	208.9,	247.7,	-35.7,	-30.3,
33	12.2,	176.2,	262.3,	-39.1,	-14.6,	34	12.2,	138.1,	268.9,	-41.3,	1.6,
35	12.2,	95.9,	267.4,	-42.2,	17.8,	36	12.2,	78.1,	264.5,	-45.3,	33.4,

SOURCE ID: ICIC3_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-146.0,	25.4,	2	12.2,	161.6,	265.9,	-148.6,	23.0,
3	12.2,	196.5,	254.5,	-146.6,	19.9,	4	12.2,	225.5,	235.2,	-140.2,	16.3,
5	12.2,	247.7,	208.9,	-129.5,	12.1,	6	12.2,	262.3,	176.2,	-114.8,	7.6,
7	12.2,	268.9,	138.1,	-96.7,	2.8,	8	12.2,	267.4,	95.9,	-75.7,	-2.0,
9	12.2,	264.5,	78.1,	-66.0,	-6.8,	10	12.2,	269.3,	121.7,	-86.2,	-11.4,
11	12.2,	265.9,	161.6,	-103.8,	-15.6,	12	12.2,	254.5,	196.5,	-118.2,	-19.4,
13	12.2,	235.2,	225.5,	-129.0,	-22.5,	14	12.2,	208.9,	247.7,	-135.9,	-25.0,
15	12.2,	176.2,	262.3,	-138.7,	-26.7,	16	12.2,	138.1,	268.9,	-137.3,	-27.7,
17	12.2,	95.9,	267.4,	-131.7,	-27.7,	18	12.2,	78.1,	264.5,	-125.5,	-26.9,
19	12.2,	121.7,	269.3,	-123.3,	-25.4,	20	12.2,	161.6,	265.9,	-117.3,	-23.0,
21	12.2,	196.5,	254.5,	-107.8,	-19.9,	22	12.2,	225.5,	235.2,	-95.1,	-16.3,
23	12.2,	247.7,	208.9,	-79.4,	-12.1,	24	12.2,	262.3,	176.2,	-61.4,	-7.6,
25	12.2,	268.9,	138.1,	-41.4,	-2.8,	26	12.2,	267.4,	95.9,	-20.2,	2.0,
27	12.2,	264.5,	78.1,	-12.1,	6.8,	28	12.2,	269.3,	121.7,	-35.5,	11.4,
29	12.2,	265.9,	161.6,	-57.8,	15.6,	30	12.2,	254.5,	196.5,	-78.3,	19.4,
31	12.2,	235.2,	225.5,	-96.5,	22.5,	32	12.2,	208.9,	247.7,	-111.7,	25.0,
33	12.2,	176.2,	262.3,	-123.6,	26.7,	34	12.2,	138.1,	268.9,	-131.7,	27.7,
35	12.2,	95.9,	267.4,	-135.7,	27.7,	36	12.2,	78.1,	264.5,	-139.1,	26.9,

SOURCE ID: ICIC3_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-239.0,	12.2,	2	12.2,	161.6,	265.9,	-237.8,	-6.1,
3	12.2,	196.5,	254.5,	-229.5,	-24.2,	4	12.2,	225.5,	235.2,	-214.1,	-41.6,
5	12.2,	247.7,	208.9,	-192.2,	-57.7,	6	12.2,	262.3,	176.2,	-164.5,	-72.0,
7	12.2,	268.9,	138.1,	-131.8,	-84.2,	8	12.2,	267.4,	95.9,	-95.1,	-93.8,
9	12.2,	264.5,	78.1,	-69.2,	-100.6,	10	12.2,	269.3,	121.7,	-73.1,	-104.3,
11	12.2,	265.9,	161.6,	-74.7,	-104.9,	12	12.2,	254.5,	196.5,	-74.1,	-102.2,
13	12.2,	235.2,	225.5,	-71.2,	-96.5,	14	12.2,	208.9,	247.7,	-66.1,	-87.8,
15	12.2,	176.2,	262.3,	-59.1,	-76.4,	16	12.2,	138.1,	268.9,	-50.2,	-62.8,
17	12.2,	95.9,	267.4,	-39.9,	-47.2,	18	12.2,	78.1,	264.5,	-31.6,	-30.2,
19	12.2,	121.7,	269.3,	-30.3,	-12.2,	20	12.2,	161.6,	265.9,	-28.1,	6.1,
21	12.2,	186.7,	208.2,	-247.2,	37.8,	22	12.2,	199.9,	204.9,	-249.9,	12.3,
23	12.2,	207.0,	195.4,	-245.0,	-13.5,	24	12.2,	207.8,	179.9,	-232.7,	-38.8,
25	12.2,	202.3,	158.9,	-213.3,	-63.0,	26	12.2,	190.7,	133.1,	-187.4,	-85.3,
27	12.2,	264.5,	78.1,	-8.9,	100.6,	28	12.2,	269.3,	121.7,	-48.6,	104.3,
29	12.2,	265.9,	161.6,	-86.8,	104.9,	30	12.2,	254.5,	196.5,	-122.4,	102.2,
31	12.2,	235.2,	225.5,	-154.3,	96.5,	32	12.2,	208.9,	247.7,	-181.5,	87.8,
33	12.2,	176.2,	262.3,	-203.2,	76.4,	34	12.2,	138.1,	268.9,	-218.7,	62.8,
35	12.2,	95.9,	267.4,	-227.6,	47.2,	36	12.2,	78.1,	264.5,	-232.9,	30.2,

SOURCE ID: ICIC4_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	151.9,	261.4,	-41.7,	-54.6,	2	12.2,	187.5,	266.1,	-35.9,	-38.4,
3	12.2,	217.5,	262.7,	-29.0,	-20.9,	4	12.2,	240.8,	251.3,	-21.3,	-2.8,
5	12.2,	256.8,	232.3,	-12.9,	15.3,	6	12.2,	265.0,	206.2,	-4.0,	33.0,
7	12.2,	265.2,	173.9,	4.9,	49.8,	8	12.2,	257.3,	136.2,	13.7,	64.9,

9	12.2,	248.8,	111.6,	13.5,	78.1,	10	12.2,	261.4,	151.9,	-21.3,	89.0,
11	12.2,	266.1,	187.5,	-55.4,	97.1,	12	12.2,	262.7,	217.5,	-87.8,	102.3,
13	12.2,	251.3,	240.8,	-117.6,	104.4,	14	12.2,	232.3,	256.8,	-143.8,	103.3,
15	12.2,	206.2,	265.0,	-165.6,	99.1,	16	12.2,	173.9,	265.2,	-182.4,	91.8,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	151.9,	261.4,	-219.7,	54.6,	20	12.2,	187.5,	266.1,	-230.2,	38.4,
21	12.2,	217.5,	262.7,	-233.7,	20.9,	22	12.2,	240.8,	251.3,	-230.1,	2.8,
23	12.2,	256.8,	232.3,	-219.5,	-15.3,	24	12.2,	265.0,	206.2,	-202.2,	-33.0,
25	12.2,	265.2,	173.9,	-178.8,	-49.8,	26	12.2,	257.3,	136.2,	-149.9,	-64.9,
27	12.2,	248.8,	111.6,	-125.1,	-78.1,	28	12.2,	261.4,	151.9,	-130.6,	-89.0,
29	12.2,	266.1,	187.5,	-132.1,	-97.1,	30	12.2,	262.7,	217.5,	-129.6,	-102.3,
31	12.2,	251.3,	240.8,	-123.2,	-104.4,	32	12.2,	232.3,	256.8,	-113.1,	-103.3,
33	12.2,	206.2,	265.0,	-99.5,	-99.1,	34	12.2,	173.9,	265.2,	-82.9,	-91.8,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC4_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	151.9,	261.4,	-120.2,	-75.1,	2	12.2,	187.5,	266.1,	-109.7,	-72.1,
3	12.2,	217.5,	262.7,	-95.8,	-67.0,	4	12.2,	240.8,	251.3,	-79.1,	-59.8,
5	12.2,	256.8,	232.3,	-59.9,	-50.8,	6	12.2,	265.0,	206.2,	-38.9,	-40.2,
7	12.2,	265.2,	173.9,	-16.7,	-28.5,	8	12.2,	257.3,	136.2,	6.0,	-15.8,
9	12.2,	248.8,	111.6,	19.9,	-2.7,	10	12.2,	261.4,	151.9,	-0.9,	10.5,
11	12.2,	266.1,	187.5,	-21.7,	23.4,	12	12.2,	262.7,	217.5,	-41.8,	35.5,
13	12.2,	251.3,	240.8,	-60.6,	46.6,	14	12.2,	232.3,	256.8,	-77.6,	56.3,
15	12.2,	206.2,	265.0,	-92.3,	64.2,	16	12.2,	173.9,	265.2,	-104.1,	70.2,
17	12.2,	136.2,	257.3,	-112.8,	74.1,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	151.9,	261.4,	-141.2,	75.1,	20	12.2,	187.5,	266.1,	-156.4,	72.1,
21	12.2,	217.5,	262.7,	-166.9,	67.0,	22	12.2,	240.8,	251.3,	-172.3,	59.8,
23	12.2,	256.8,	232.3,	-172.4,	50.8,	24	12.2,	265.0,	206.2,	-167.3,	40.2,
25	12.2,	265.2,	173.9,	-157.2,	28.5,	26	12.2,	257.3,	136.2,	-142.2,	15.8,
27	12.2,	248.8,	111.6,	-131.5,	2.7,	28	12.2,	261.4,	151.9,	-151.0,	-10.5,
29	12.2,	266.1,	187.5,	-165.9,	-23.4,	30	12.2,	262.7,	217.5,	-175.7,	-35.5,
31	12.2,	251.3,	240.8,	-180.2,	-46.6,	32	12.2,	232.3,	256.8,	-179.2,	-56.3,
33	12.2,	206.2,	265.0,	-172.7,	-64.2,	34	12.2,	173.9,	265.2,	-161.1,	-70.2,
35	12.2,	136.2,	257.3,	-144.5,	-74.1,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC4_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-246.9,	75.8,	2	12.2,	204.1,	274.4,	-261.2,	55.1,
3	12.2,	232.9,	271.9,	-267.7,	32.8,	4	12.2,	240.8,	251.3,	-146.4,	-120.5,
5	12.2,	256.8,	232.3,	-115.6,	-122.2,	6	12.2,	265.0,	206.2,	-81.4,	-120.3,
7	12.2,	265.2,	173.9,	-44.6,	-114.7,	8	12.2,	257.3,	136.2,	-6.5,	-105.6,
9	12.2,	248.8,	111.6,	23.2,	-93.3,	10	12.2,	261.4,	151.9,	18.0,	-78.2,
11	12.2,	266.1,	187.5,	12.4,	-60.6,	12	12.2,	262.7,	217.5,	6.3,	-41.3,
13	12.2,	251.3,	240.8,	0.1,	-20.7,	14	12.2,	232.3,	256.8,	-6.2,	0.5,
15	12.2,	206.2,	265.0,	-12.2,	21.8,	16	12.2,	173.9,	265.2,	-17.9,	42.3,
17	12.2,	136.2,	257.3,	-23.1,	61.6,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-21.8,	-75.8,	20	12.2,	204.1,	274.4,	-13.2,	-55.1,
21	12.2,	232.9,	271.9,	-4.3,	-32.8,	22	12.2,	240.8,	251.3,	-105.0,	120.5,
23	12.2,	256.8,	232.3,	-116.7,	122.2,	24	12.2,	265.0,	206.2,	-124.9,	120.3,
25	12.2,	265.2,	173.9,	-129.2,	114.7,	26	12.2,	257.3,	136.2,	-129.7,	105.6,
27	12.2,	248.8,	111.6,	-134.8,	93.3,	28	12.2,	261.4,	151.9,	-169.9,	78.2,
29	12.2,	266.1,	187.5,	-199.9,	60.6,	30	12.2,	262.7,	217.5,	-223.8,	41.3,
31	12.2,	251.3,	240.8,	-240.9,	20.7,	32	12.2,	232.3,	256.8,	-250.6,	-0.5,
33	12.2,	206.2,	265.0,	-252.8,	-21.8,	34	12.2,	173.9,	265.2,	-247.3,	-42.3,
35	12.2,	136.2,	257.3,	-234.2,	-61.6,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC5_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-24.3,	-68.8,	2	12.2,	204.1,	274.4,	-16.9,	-48.7,
3	12.2,	232.9,	271.9,	-9.0,	-27.1,	4	12.2,	254.7,	261.2,	-0.9,	-4.6,
5	12.2,	268.6,	242.5,	7.3,	18.0,	6	12.2,	274.4,	216.4,	15.3,	40.0,
7	12.2,	271.9,	183.8,	22.8,	60.9,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	12.2,	254.6,	129.0,	22.4,	96.4,	10	12.2,	268.6,	169.1,	-15.7,	110.0,
11	12.2,	274.4,	204.1,	-53.4,	120.3,	12	12.2,	271.9,	232.9,	-89.4,	127.0,
13	12.2,	261.2,	254.7,	-122.7,	129.7,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-244.3,	68.8,	20	12.2,	204.1,	274.4,	-257.6,	48.7,
21	12.2,	232.9,	271.9,	-262.9,	27.1,	22	12.2,	254.7,	261.2,	-260.3,	4.6,
23	12.2,	268.6,	242.5,	-249.8,	-18.0,	24	12.2,	274.4,	216.4,	-231.7,	-40.0,
25	12.2,	271.9,	183.8,	-206.6,	-60.9,	26	12.2,	261.2,	145.6,	-175.1,	-79.9,
27	12.2,	254.6,	129.0,	-151.4,	-96.4,	28	12.2,	268.6,	169.1,	-153.4,	-110.0,
29	12.2,	274.4,	204.1,	-150.8,	-120.3,	30	12.2,	271.9,	232.9,	-143.5,	-127.0,
31	12.2,	261.2,	254.7,	-131.9,	-129.7,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC5_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-96.4,	-88.1,	2	12.2,	204.1,	274.4,	-84.6,	-80.2,
3	12.2,	232.9,	271.9,	-70.2,	-69.9,	4	12.2,	254.7,	261.2,	-53.7,	-57.4,
5	12.2,	268.6,	242.5,	-35.6,	-43.2,	6	12.2,	274.4,	216.4,	-16.3,	-27.6,
7	12.2,	271.9,	183.8,	3.4,	-11.3,	8	12.2,	261.2,	145.6,	23.0,	5.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	268.6,	169.1,	3.6,	37.9,
11	12.2,	274.4,	204.1,	-21.8,	52.6,	12	12.2,	271.9,	232.9,	-46.6,	65.8,
13	12.2,	261.2,	254.7,	-69.9,	76.9,	14	12.2,	242.5,	268.6,	-91.1,	85.7,
15	12.2,	216.4,	274.4,	-109.6,	91.9,	16	12.2,	183.8,	271.9,	-124.7,	95.3,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-172.2,	88.1,	20	12.2,	204.1,	274.4,	-189.8,	80.2,
21	12.2,	232.9,	271.9,	-201.7,	69.9,	22	12.2,	254.7,	261.2,	-207.5,	57.4,
23	12.2,	268.6,	242.5,	-206.9,	43.2,	24	12.2,	274.4,	216.4,	-200.1,	27.6,
25	12.2,	271.9,	183.8,	-187.2,	11.3,	26	12.2,	261.2,	145.6,	-168.6,	-5.5,
27	12.2,	254.6,	129.0,	-157.9,	-22.0,	28	12.2,	268.6,	169.1,	-172.7,	-37.9,
29	12.2,	274.4,	204.1,	-182.3,	-52.6,	30	12.2,	271.9,	232.9,	-186.3,	-65.8,

31	12.2,	261.2,	254.7,	-184.7,	-76.9,	32	12.2,	242.5,	268.6,	-177.5,	-85.7,
33	12.2,	216.4,	274.4,	-164.9,	-91.9,	34	12.2,	183.8,	271.9,	-147.2,	-95.3,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC5_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	12.2,	232.9,	271.9,	-151.5,	-116.8,	4	12.2,	254.7,	261.2,	-125.6,	-117.7,
5	12.2,	268.6,	242.5,	-95.9,	-115.0,	6	12.2,	274.4,	216.4,	-63.2,	-108.9,
7	12.2,	271.9,	183.8,	-28.7,	-99.4,	8	12.2,	261.2,	145.6,	6.7,	-86.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	268.6,	169.1,	19.9,	-54.5,
11	12.2,	274.4,	204.1,	10.2,	-35.5,	12	12.2,	271.9,	232.9,	0.3,	-15.5,
13	12.2,	261.2,	254.7,	-9.6,	5.0,	14	12.2,	242.5,	268.6,	-19.3,	25.4,
15	12.2,	216.4,	274.4,	-28.4,	45.0,	16	12.2,	183.8,	271.9,	-36.5,	63.2,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	12.2,	232.9,	271.9,	-120.5,	116.8,	22	12.2,	254.7,	261.2,	-135.6,	117.7,
23	12.2,	268.6,	242.5,	-146.6,	115.0,	24	12.2,	274.4,	216.4,	-153.2,	108.9,
25	12.2,	271.9,	183.8,	-155.1,	99.4,	26	12.2,	261.2,	145.6,	-152.3,	86.9,
27	12.2,	254.6,	129.0,	-157.9,	71.8,	28	12.2,	268.6,	169.1,	-189.0,	54.5,
29	12.2,	274.4,	204.1,	-214.4,	35.5,	30	12.2,	271.9,	232.9,	-233.2,	15.5,
31	12.2,	261.2,	254.7,	-245.0,	-5.0,	32	12.2,	242.5,	268.6,	-249.4,	-25.4,
33	12.2,	216.4,	274.4,	-246.1,	-45.0,	34	12.2,	183.8,	271.9,	-235.4,	-63.2,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC1_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	155.5,	207.6,	-28.9,	-55.2,	2	12.2,	180.6,	218.0,	-25.6,	-41.3,
3	12.2,	200.1,	221.7,	-21.6,	-26.2,	4	12.2,	213.7,	218.7,	-16.9,	-10.3,
5	12.2,	220.7,	209.0,	-11.7,	5.9,	6	12.2,	221.0,	193.0,	-6.1,	21.9,
7	12.2,	214.6,	171.1,	-0.3,	37.3,	8	12.2,	201.7,	144.1,	5.5,	51.5,
9	12.2,	191.0,	125.7,	4.5,	64.2,	10	12.2,	207.6,	155.5,	-22.5,	74.9,
11	12.2,	218.0,	180.6,	-48.9,	83.3,	12	12.2,	221.7,	200.1,	-73.8,	89.3,
13	12.2,	218.7,	213.7,	-96.5,	92.5,	14	12.2,	209.0,	220.7,	-116.2,	92.9,
15	12.2,	193.0,	221.0,	-132.4,	90.4,	16	12.2,	171.1,	214.6,	-144.6,	85.2,
17	12.2,	144.1,	201.7,	-152.4,	77.5,	18	12.2,	125.7,	191.0,	-159.7,	67.4,
19	12.2,	155.5,	207.6,	-178.7,	55.2,	20	12.2,	180.6,	218.0,	-192.3,	41.3,
21	12.2,	200.1,	221.7,	-200.1,	26.2,	22	12.2,	213.7,	218.7,	-201.8,	10.3,
23	12.2,	220.7,	209.0,	-197.4,	-5.9,	24	12.2,	221.0,	193.0,	-186.9,	-21.9,
25	12.2,	214.6,	171.1,	-170.8,	-37.3,	26	12.2,	201.7,	144.1,	-149.5,	-51.5,
27	12.2,	191.0,	125.7,	-130.2,	-64.2,	28	12.2,	207.6,	155.5,	-132.9,	-74.9,
29	12.2,	218.0,	180.6,	-131.6,	-83.3,	30	12.2,	221.7,	200.1,	-126.3,	-89.3,
31	12.2,	218.7,	213.7,	-117.2,	-92.5,	32	12.2,	209.0,	220.7,	-104.5,	-92.9,
33	12.2,	193.0,	221.0,	-88.6,	-90.4,	34	12.2,	171.1,	214.6,	-70.0,	-85.2,
35	12.2,	144.1,	201.7,	-49.3,	-77.5,	36	12.2,	125.7,	191.0,	-31.3,	-67.4,

SOURCE ID: INCIC1_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	155.5,	207.6,	-137.5,	-81.2,	2	12.2,	180.6,	218.0,	-128.1,	-85.8,
3	12.2,	200.1,	221.7,	-114.8,	-87.8,	4	12.2,	213.7,	218.7,	-97.9,	-87.2,
5	12.2,	220.7,	209.0,	-78.1,	-83.9,	6	12.2,	221.0,	193.0,	-56.0,	-78.0,
7	12.2,	214.6,	171.1,	-32.1,	-69.8,	8	12.2,	201.7,	144.1,	-7.3,	-59.5,
9	12.2,	191.0,	125.7,	11.3,	-47.3,	10	12.2,	207.6,	155.5,	3.5,	-33.7,
11	12.2,	218.0,	180.6,	-4.4,	-19.1,	12	12.2,	221.7,	200.1,	-12.2,	-3.9,
13	12.2,	218.7,	213.7,	-19.6,	11.4,	14	12.2,	209.0,	220.7,	-26.4,	26.4,
15	12.2,	193.0,	221.0,	-32.5,	40.5,	16	12.2,	171.1,	214.6,	-37.5,	53.5,
17	12.2,	144.1,	201.7,	-41.4,	64.8,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	155.5,	207.6,	-70.1,	81.2,	20	12.2,	180.6,	218.0,	-89.9,	85.8,
21	12.2,	200.1,	221.7,	-106.9,	87.8,	22	12.2,	213.7,	218.7,	-120.7,	87.2,
23	12.2,	220.7,	209.0,	-130.9,	83.9,	24	12.2,	221.0,	193.0,	-137.0,	78.0,
25	12.2,	214.6,	171.1,	-139.0,	69.8,	26	12.2,	201.7,	144.1,	-136.8,	59.5,
27	12.2,	191.0,	125.7,	-137.0,	47.3,	28	12.2,	207.6,	155.5,	-158.9,	33.7,
29	12.2,	218.0,	180.6,	-176.1,	19.1,	30	12.2,	221.7,	200.1,	-187.9,	3.9,
31	12.2,	218.7,	213.7,	-194.0,	-11.4,	32	12.2,	209.0,	220.7,	-194.2,	-26.4,
33	12.2,	193.0,	221.0,	-188.5,	-40.5,	34	12.2,	171.1,	214.6,	-177.1,	-53.5,
35	12.2,	144.1,	201.7,	-160.3,	-64.8,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC2_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-300.6,	34.9,	2	12.2,	161.6,	265.9,	-302.5,	5.5,
3	12.2,	186.7,	208.2,	-26.7,	-37.6,	4	12.2,	199.9,	204.9,	-19.7,	-23.6,
5	12.2,	207.0,	195.4,	-12.1,	-8.8,	6	12.2,	207.8,	179.9,	-4.1,	6.2,
7	12.2,	202.3,	158.9,	4.0,	21.0,	8	12.2,	190.7,	133.1,	12.0,	35.1,
9	12.2,	180.9,	115.6,	13.4,	48.2,	10	12.2,	196.0,	143.9,	-10.2,	59.9,
11	12.2,	205.3,	167.9,	-33.5,	69.7,	12	12.2,	208.2,	186.7,	-55.8,	77.4,
13	12.2,	204.9,	199.9,	-76.4,	82.7,	14	12.2,	195.4,	207.0,	-94.7,	85.6,
15	12.2,	179.9,	207.8,	-110.1,	85.8,	16	12.2,	158.9,	202.3,	-122.1,	83.4,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	143.9,	196.0,	-157.9,	61.8,	20	12.2,	167.9,	205.3,	-172.3,	50.4,
21	12.2,	186.7,	208.2,	-181.5,	37.6,	22	12.2,	199.9,	204.9,	-185.2,	23.6,
23	12.2,	207.0,	195.4,	-183.2,	8.8,	24	12.2,	207.8,	179.9,	-175.7,	-6.2,
25	12.2,	202.3,	158.9,	-162.9,	-21.0,	26	12.2,	190.7,	133.1,	-145.1,	-35.1,
27	12.2,	180.9,	115.6,	-129.1,	-48.2,	28	12.2,	196.0,	143.9,	-133.8,	-59.9,
29	12.2,	205.3,	167.9,	-134.4,	-69.7,	30	12.2,	208.2,	186.7,	-130.9,	-77.4,
31	12.2,	204.9,	199.9,	-123.5,	-82.7,	32	12.2,	195.4,	207.0,	-112.3,	-85.6,
33	12.2,	179.9,	207.8,	-97.8,	-85.8,	34	12.2,	158.9,	202.3,	-80.2,	-83.4,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: INCIC2_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.2,	167.9,	205.3,	-125.0,	-84.0,
3	12.2,	186.7,	208.2,	-111.6,	-86.6,	4	12.2,	199.9,	204.9,	-94.8,	-86.5,
5	12.2,	207.0,	195.4,	-75.1,	-83.9,	6	12.2,	207.8,	179.9,	-53.1,	-78.7,
7	12.2,	202.3,	158.9,	-29.5,	-71.1,	8	12.2,	190.7,	133.1,	-5.0,	-61.4,
9	12.2,	180.9,	115.6,	13.4,	-49.7,	10	12.2,	196.0,	143.9,	6.8,	-36.6,
11	12.2,	205.3,	167.9,	0.0,	-22.4,	12	12.2,	208.2,	186.7,	-6.8,	-7.5,
13	12.2,	204.9,	199.9,	-13.4,	7.7,	14	12.2,	195.4,	207.0,	-19.6,	22.6,
15	12.2,	179.9,	207.8,	-25.2,	36.8,	16	12.2,	158.9,	202.3,	-30.1,	49.9,
17	12.2,	133.1,	190.7,	-34.0,	61.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.2,	167.9,	205.3,	-80.2,	84.0,
21	12.2,	186.7,	208.2,	-96.7,	86.6,	22	12.2,	199.9,	204.9,	-110.1,	86.5,
23	12.2,	207.0,	195.4,	-120.3,	83.9,	24	12.2,	207.8,	179.9,	-126.7,	78.7,
25	12.2,	202.3,	158.9,	-129.4,	71.1,	26	12.2,	190.7,	133.1,	-128.1,	61.4,
27	12.2,	180.9,	115.6,	-129.1,	49.7,	28	12.2,	196.0,	143.9,	-150.8,	36.6,
29	12.2,	205.3,	167.9,	-167.9,	22.4,	30	12.2,	208.2,	186.7,	-179.9,	7.5,
31	12.2,	204.9,	199.9,	-186.5,	-7.7,	32	12.2,	195.4,	207.0,	-187.4,	-22.6,
33	12.2,	179.9,	207.8,	-182.6,	-36.8,	34	12.2,	158.9,	202.3,	-172.3,	-49.9,
35	12.2,	133.1,	190.7,	-156.7,	-61.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC3_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	146.5,	193.9,	-30.9,	-60.3,	2	12.2,	169.8,	203.8,	-26.4,	-47.9,
3	12.2,	188.0,	207.5,	-21.1,	-34.0,	4	12.2,	200.4,	204.9,	-15.1,	-19.2,
5	12.2,	206.7,	196.1,	-8.7,	-3.7,	6	12.2,	206.8,	181.4,	-2.0,	11.9,
7	12.2,	200.5,	161.1,	4.7,	27.1,	8	12.2,	188.2,	135.9,	11.3,	41.5,
9	12.2,	178.0,	118.8,	11.4,	54.6,	10	12.2,	193.9,	146.5,	-13.0,	66.1,
11	12.2,	203.8,	169.8,	-37.0,	75.5,	12	12.2,	207.5,	188.0,	-59.9,	82.7,
13	12.2,	204.9,	200.4,	-81.0,	87.4,	14	12.2,	196.1,	206.7,	-99.7,	89.4,
15	12.2,	176.2,	262.3,	-240.9,	-25.2,	16	12.2,	138.1,	268.9,	-238.2,	-43.8,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	146.5,	193.9,	-163.0,	60.3,	20	12.2,	169.8,	203.8,	-177.4,	47.9,
21	12.2,	188.0,	207.5,	-186.5,	34.0,	22	12.2,	200.4,	204.9,	-189.8,	19.2,
23	12.2,	206.7,	196.1,	-187.4,	3.7,	24	12.2,	206.8,	181.4,	-179.3,	-11.9,
25	12.2,	200.5,	161.1,	-165.8,	-27.1,	26	12.2,	188.2,	135.9,	-147.2,	-41.5,
27	12.2,	178.0,	118.8,	-130.2,	-54.6,	28	12.2,	193.9,	146.5,	-133.5,	-66.1,
29	12.2,	203.8,	169.8,	-132.8,	-75.5,	30	12.2,	207.5,	188.0,	-128.0,	-82.7,
31	12.2,	204.9,	200.4,	-119.3,	-87.4,	32	12.2,	196.1,	206.7,	-107.0,	-89.4,
33	12.2,	176.2,	262.3,	-21.4,	25.2,	34	12.2,	138.1,	268.9,	-30.7,	43.8,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC3_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.2,	161.6,	265.9,	-161.9,	63.9,
3	12.2,	188.0,	207.5,	-93.8,	-83.8,	4	12.2,	200.4,	204.9,	-78.1,	-80.8,
5	12.2,	206.7,	196.1,	-60.0,	-75.3,	6	12.2,	206.8,	181.4,	-40.1,	-67.6,
7	12.2,	200.5,	161.1,	-19.0,	-57.8,	8	12.2,	188.2,	135.9,	2.7,	-46.2,
9	12.2,	178.0,	118.8,	18.2,	-33.2,	10	12.2,	193.9,	146.5,	8.9,	-19.3,
11	12.2,	203.8,	169.8,	-0.6,	-4.7,	12	12.2,	207.5,	188.0,	-10.2,	10.0,
13	12.2,	204.9,	200.4,	-19.4,	24.4,	14	12.2,	196.1,	206.7,	-28.0,	38.1,
15	12.2,	176.2,	262.3,	-161.5,	-63.2,	16	12.2,	138.1,	268.9,	-153.3,	-67.5,
17	12.2,	135.9,	188.2,	-47.9,	70.6,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.2,	161.6,	265.9,	-104.0,	-63.9,
21	12.2,	188.0,	207.5,	-113.8,	83.8,	22	12.2,	200.4,	204.9,	-126.9,	80.8,
23	12.2,	206.7,	196.1,	-136.1,	75.3,	24	12.2,	206.8,	181.4,	-141.2,	67.6,
25	12.2,	200.5,	161.1,	-142.1,	57.8,	26	12.2,	188.2,	135.9,	-138.6,	46.2,
27	12.2,	178.0,	118.8,	-137.0,	33.2,	28	12.2,	193.9,	146.5,	-155.4,	19.3,
29	12.2,	203.8,	169.8,	-169.2,	4.7,	30	12.2,	207.5,	188.0,	-177.8,	-10.0,
31	12.2,	204.9,	200.4,	-181.0,	-24.4,	32	12.2,	196.1,	206.7,	-178.7,	-38.1,
33	12.2,	176.2,	262.3,	-100.8,	63.2,	34	12.2,	138.1,	268.9,	-115.6,	67.5,
35	12.2,	135.9,	188.2,	-140.3,	-70.6,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC4_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	153.3,	225.6,	-189.3,	50.3,	2	12.2,	182.0,	233.9,	-201.0,	36.2,
3	12.2,	205.2,	235.0,	-206.6,	21.1,	4	12.2,	222.1,	229.1,	-205.9,	5.3,
5	12.2,	232.3,	216.1,	-199.0,	-10.7,	6	12.2,	235.4,	196.6,	-186.0,	-26.3,
7	12.2,	231.4,	171.1,	-167.4,	-41.1,	8	12.2,	220.4,	140.4,	-143.6,	-54.7,
9	12.2,	210.5,	119.9,	-122.8,	-66.6,	10	12.2,	225.6,	153.3,	-126.9,	-76.5,
11	12.2,	233.9,	182.0,	-127.2,	-84.1,	12	12.2,	235.0,	205.2,	-123.7,	-89.1,
13	12.2,	229.1,	222.1,	-116.3,	-91.4,	14	12.2,	216.1,	232.3,	-105.5,	-90.9,
15	12.2,	196.6,	235.4,	-91.4,	-87.7,	16	12.2,	171.1,	231.4,	-74.6,	-81.8,
17	12.2,	140.4,	220.4,	-55.5,	-73.4,	18	12.2,	119.9,	210.5,	-38.6,	-62.8,
19	12.2,	153.3,	225.6,	-36.3,	-50.3,	20	12.2,	182.0,	233.9,	-32.9,	-36.2,
21	12.2,	205.2,	235.0,	-28.4,	-21.1,	22	12.2,	222.1,	229.1,	-23.1,	-5.3,
23	12.2,	232.3,	216.1,	-17.1,	10.7,	24	12.2,	235.4,	196.6,	-10.6,	26.3,
25	12.2,	231.4,	171.1,	-3.8,	41.1,	26	12.2,	220.4,	140.4,	3.2,	54.7,
27	12.2,	210.5,	119.9,	2.8,	66.6,	28	12.2,	225.6,	153.3,	-26.4,	76.5,
29	12.2,	233.9,	182.0,	-54.8,	84.1,	30	12.2,	235.0,	205.2,	-81.5,	89.1,
31	12.2,	229.1,	222.1,	-105.8,	91.4,	32	12.2,	216.1,	232.3,	-126.8,	90.9,
33	12.2,	196.6,	235.4,	-144.0,	87.7,	34	12.2,	171.1,	231.4,	-156.8,	81.8,
35	12.2,	140.4,	220.4,	-164.9,	73.4,	36	12.2,	119.9,	210.5,	-171.9,	62.8,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: INCIC4_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	153.3,	225.6,	-80.1,	73.0,	2	12.2,	182.0,	233.9,	-97.4,	77.5,
3	12.2,	205.2,	235.0,	-111.7,	79.8,	4	12.2,	222.1,	229.1,	-122.7,	79.5,
5	12.2,	232.3,	216.1,	-129.9,	76.9,	6	12.2,	235.4,	196.6,	-133.2,	72.0,
7	12.2,	231.4,	171.1,	-132.4,	64.8,	8	12.2,	220.4,	140.4,	-127.6,	55.7,
9	12.2,	210.5,	119.9,	-126.1,	44.9,	10	12.2,	225.6,	153.3,	-149.6,	32.7,
11	12.2,	233.9,	182.0,	-168.5,	19.5,	12	12.2,	235.0,	205.2,	-182.3,	5.8,
13	12.2,	229.1,	222.1,	-190.6,	-8.2,	14	12.2,	216.1,	232.3,	-193.1,	-21.9,
15	12.2,	196.6,	235.4,	-189.7,	-34.9,	16	12.2,	171.1,	231.4,	-180.5,	-46.8,

17	12.2,	140.4,	220.4,	-165.9,	-57.4,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	153.3,	225.6,	-145.5,	-73.0,	20	12.2,	182.0,	233.9,	-136.5,	-77.5,
21	12.2,	205.2,	235.0,	-123.3,	-79.8,	22	12.2,	222.1,	229.1,	-106.4,	-79.5,
23	12.2,	232.3,	216.1,	-86.2,	-76.9,	24	12.2,	235.4,	196.6,	-63.4,	-72.0,
25	12.2,	231.4,	171.1,	-38.7,	-64.8,	26	12.2,	220.4,	140.4,	-12.8,	-55.7,
27	12.2,	210.5,	119.9,	6.2,	-44.9,	28	12.2,	225.6,	153.3,	-3.7,	-32.7,
29	12.2,	233.9,	182.0,	-13.5,	-19.5,	30	12.2,	235.0,	205.2,	-22.8,	-5.8,
31	12.2,	229.1,	222.1,	-31.5,	8.2,	32	12.2,	216.1,	232.3,	-39.2,	21.9,
33	12.2,	196.6,	235.4,	-45.8,	34.9,	34	12.2,	171.1,	231.4,	-50.9,	46.8,
35	12.2,	140.4,	220.4,	-54.5,	57.4,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC5_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.3,	179.0,	-50.8,	67.1,	2	12.2,	155.9,	188.0,	-67.5,	72.8,
3	12.2,	172.8,	191.2,	-82.2,	76.3,	4	12.2,	184.4,	188.7,	-94.4,	77.5,
5	12.2,	190.4,	180.4,	-103.7,	76.3,	6	12.2,	190.6,	166.7,	-109.9,	72.8,
7	12.2,	185.0,	147.8,	-112.7,	67.1,	8	12.2,	173.8,	124.5,	-112.1,	59.3,
9	12.2,	164.6,	108.7,	-113.7,	49.8,	10	12.2,	179.0,	134.3,	-134.3,	38.7,
11	12.2,	188.0,	155.9,	-150.8,	26.4,	12	12.2,	191.2,	172.8,	-162.7,	13.4,
13	12.2,	188.7,	184.4,	-169.7,	-0.1,	14	12.2,	180.4,	190.4,	-171.5,	-13.5,
15	12.2,	166.7,	190.6,	-168.1,	-26.5,	16	12.2,	147.8,	185.0,	-159.6,	-38.8,
17	12.2,	124.5,	173.8,	-146.2,	-49.8,	18	12.2,	108.7,	164.6,	-132.1,	-59.4,
19	12.2,	134.3,	179.0,	-128.2,	-67.1,	20	12.2,	155.9,	188.0,	-120.4,	-72.8,
21	12.2,	172.8,	191.2,	-109.0,	-76.3,	22	12.2,	184.4,	188.7,	-94.3,	-77.5,
23	12.2,	190.4,	180.4,	-76.7,	-76.3,	24	12.2,	190.6,	166.7,	-56.8,	-72.8,
25	12.2,	185.0,	147.8,	-35.1,	-67.1,	26	12.2,	173.8,	124.5,	-12.4,	-59.3,
27	12.2,	164.6,	108.7,	5.0,	-49.8,	28	12.2,	179.0,	134.3,	-0.1,	-38.7,
29	12.2,	188.0,	155.9,	-5.1,	-26.4,	30	12.2,	191.2,	172.8,	-10.1,	-13.4,
31	12.2,	188.7,	184.4,	-14.7,	0.1,	32	12.2,	180.4,	190.4,	-18.9,	13.5,
33	12.2,	166.7,	190.6,	-22.5,	26.5,	34	12.2,	147.8,	185.0,	-25.4,	38.8,
35	12.2,	124.5,	173.8,	-27.6,	49.8,	36	12.2,	108.7,	164.6,	-32.5,	59.4,

SOURCE ID: INCIC5_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.3,	179.0,	-150.0,	46.2,	2	12.2,	155.9,	188.0,	-161.6,	35.0,
3	12.2,	172.8,	191.2,	-168.3,	22.7,	4	12.2,	184.4,	188.7,	-169.9,	9.7,
5	12.2,	190.4,	180.4,	-166.3,	-3.5,	6	12.2,	190.6,	166.7,	-157.6,	-16.7,
7	12.2,	185.0,	147.8,	-144.2,	-29.3,	8	12.2,	173.8,	124.5,	-126.4,	-41.1,
9	12.2,	164.6,	108.7,	-110.3,	-51.6,	10	12.2,	179.0,	134.3,	-113.4,	-60.5,
11	12.2,	188.0,	155.9,	-113.0,	-67.6,	12	12.2,	191.2,	172.8,	-109.1,	-72.7,
13	12.2,	188.7,	184.4,	-101.9,	-75.5,	14	12.2,	180.4,	190.4,	-91.7,	-76.1,
15	12.2,	166.7,	190.6,	-78.6,	-74.3,	16	12.2,	147.8,	185.0,	-63.2,	-70.3,
17	12.2,	124.5,	173.8,	-45.8,	-64.1,	18	12.2,	108.7,	164.6,	-30.7,	-56.0,
19	12.2,	134.3,	179.0,	-28.9,	-46.2,	20	12.2,	155.9,	188.0,	-26.3,	-35.0,
21	12.2,	172.8,	191.2,	-22.9,	-22.7,	22	12.2,	184.4,	188.7,	-18.8,	-9.7,
23	12.2,	190.4,	180.4,	-14.1,	3.5,	24	12.2,	190.6,	166.7,	-9.0,	16.7,
25	12.2,	185.0,	147.8,	-3.6,	29.3,	26	12.2,	173.8,	124.5,	1.9,	41.1,
27	12.2,	164.6,	108.7,	1.7,	51.6,	28	12.2,	179.0,	134.3,	-21.0,	60.5,
29	12.2,	188.0,	155.9,	-43.0,	67.6,	30	12.2,	191.2,	172.8,	-63.7,	72.7,
31	12.2,	188.7,	184.4,	-82.5,	75.5,	32	12.2,	180.4,	190.4,	-98.7,	76.1,
33	12.2,	166.7,	190.6,	-112.0,	74.3,	34	12.2,	147.8,	185.0,	-121.8,	70.3,
35	12.2,	124.5,	173.8,	-128.0,	64.1,	36	12.2,	108.7,	164.6,	-133.9,	56.0,

SOURCE ID: INCIC6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	155.5,	207.6,	-164.5,	71.8,	2	12.2,	180.6,	218.0,	-181.2,	60.2,
3	12.2,	200.1,	221.7,	-192.5,	46.8,	4	12.2,	213.7,	218.7,	-197.8,	31.9,
5	12.2,	220.7,	209.0,	-197.2,	16.0,	6	12.2,	221.0,	193.0,	-190.6,	-0.3,
7	12.2,	214.6,	171.1,	-178.2,	-16.7,	8	12.2,	201.7,	144.1,	-160.3,	-32.5,
9	12.2,	191.0,	125.7,	-144.1,	-47.3,	10	12.2,	207.6,	155.5,	-149.6,	-60.7,
11	12.2,	218.0,	180.6,	-150.5,	-72.3,	12	12.2,	221.7,	200.1,	-146.8,	-81.6,
13	12.2,	218.7,	213.7,	-138.7,	-88.5,	14	12.2,	209.0,	220.7,	-126.3,	-92.7,
15	12.2,	193.0,	221.0,	-110.2,	-94.1,	16	10.7,	80.2,	91.1,	-29.0,	38.4,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	155.5,	207.6,	-43.1,	-71.8,	20	12.2,	180.6,	218.0,	-36.7,	-60.2,
21	12.2,	200.1,	221.7,	-29.2,	-46.8,	22	12.2,	213.7,	218.7,	-20.8,	-31.9,
23	12.2,	220.7,	209.0,	-11.8,	-16.0,	24	12.2,	221.0,	193.0,	-2.4,	0.3,
25	12.2,	214.6,	171.1,	7.0,	16.7,	26	12.2,	201.7,	144.1,	16.2,	32.5,
27	12.2,	191.0,	125.7,	18.5,	47.3,	28	12.2,	207.6,	155.5,	-5.9,	60.7,
29	12.2,	218.0,	180.6,	-30.1,	72.3,	30	12.2,	221.7,	200.1,	-53.3,	81.6,
31	12.2,	218.7,	213.7,	-75.0,	88.5,	32	12.2,	209.0,	220.7,	-94.3,	92.7,
33	12.2,	193.0,	221.0,	-110.8,	94.1,	34	10.7,	80.2,	91.1,	-62.1,	-38.4,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: INCIC7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.7,	78.0,	80.3,	-39.5,	-37.3,	2	10.7,	85.8,	87.4,	-36.5,	-36.7,
3	10.7,	90.9,	91.8,	-32.4,	-34.8,	4	10.7,	93.2,	93.4,	-27.4,	-32.0,
5	10.7,	92.8,	92.2,	-21.5,	-28.2,	6	10.7,	89.5,	88.1,	-15.0,	-23.5,
7	10.7,	83.5,	81.4,	-8.0,	-18.1,	8	10.7,	74.9,	72.2,	-0.8,	-12.1,
9	12.2,	191.0,	125.7,	-154.3,	101.3,	10	12.2,	207.6,	155.5,	-185.4,	83.9,
11	12.2,	218.0,	180.6,	-210.9,	64.0,	12	12.2,	221.7,	200.1,	-229.9,	42.0,
13	12.2,	218.7,	213.7,	-242.0,	18.9,	14	12.2,	209.0,	220.7,	-246.8,	-4.9,
15	12.2,	193.0,	221.0,	-244.0,	-28.5,	16	12.2,	171.1,	214.6,	-233.8,	-51.3,
17	12.2,	144.1,	201.7,	-216.5,	-72.5,	18	10.7,	67.9,	70.8,	-29.6,	36.9,
19	10.7,	78.0,	80.3,	-40.9,	37.3,	20	10.7,	85.8,	87.4,	-50.9,	36.7,
21	10.7,	90.9,	91.8,	-59.3,	34.8,	22	10.7,	93.2,	93.4,	-66.0,	32.0,
23	10.7,	92.8,	92.2,	-70.6,	28.2,	24	10.7,	89.5,	88.1,	-73.1,	23.5,
25	10.7,	83.5,	81.4,	-73.4,	18.1,	26	10.7,	74.9,	72.2,	-71.5,	12.1,
27	10.7,	70.8,	67.9,	-70.9,	5.8,	28	10.7,	80.3,	78.0,	-76.4,	-0.7,
29	10.7,	87.4,	85.8,	-79.5,	-7.2,	30	10.7,	91.8,	90.9,	-80.3,	-13.4,
31	10.7,	93.4,	93.2,	-78.6,	-19.3,	32	10.7,	92.2,	92.8,	-74.5,	-24.6,
33	12.2,	193.0,	221.0,	23.0,	28.5,	34	12.2,	171.1,	214.6,	19.2,	51.3,
35	12.2,	144.1,	201.7,	14.8,	72.5,	36	10.7,	67.9,	70.8,	-41.2,	-36.9,

SOURCE ID: INCIC8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.7,	80.9,	92.7,	-34.3,	-41.6,	2	12.2,	167.9,	205.3,	-122.2,	86.1,
3	12.2,	186.7,	208.2,	-138.3,	81.4,	4	12.2,	199.9,	204.9,	-150.2,	74.2,
5	12.2,	207.0,	195.4,	-157.6,	64.8,	6	12.2,	207.8,	179.9,	-160.2,	53.4,
7	12.2,	202.3,	158.9,	-157.9,	40.3,	8	12.2,	190.7,	133.1,	-150.9,	26.1,
9	12.2,	180.9,	115.6,	-145.4,	11.1,	10	12.2,	196.0,	143.9,	-160.1,	-4.3,
11	12.2,	205.3,	167.9,	-170.0,	-19.5,	12	12.2,	208.2,	186.7,	-174.7,	-34.2,
13	12.2,	204.9,	199.9,	-174.1,	-47.8,	14	12.2,	195.4,	207.0,	-168.3,	-59.9,
15	12.2,	179.9,	207.8,	-157.3,	-70.3,	16	12.2,	158.9,	202.3,	-141.5,	-78.5,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	10.7,	80.9,	92.7,	-58.4,	41.6,	20	12.2,	167.9,	205.3,	-83.1,	-86.1,
21	12.2,	186.7,	208.2,	-69.9,	-81.4,	22	12.2,	199.9,	204.9,	-54.7,	-74.2,
23	12.2,	207.0,	195.4,	-37.7,	-64.8,	24	12.2,	207.8,	179.9,	-19.6,	-53.4,
25	12.2,	202.3,	158.9,	-1.0,	-40.3,	26	12.2,	190.7,	133.1,	17.8,	-26.1,
27	10.7,	83.5,	68.6,	-77.4,	-4.6,	28	12.2,	196.0,	143.9,	16.2,	4.3,
29	12.2,	205.3,	167.9,	2.1,	19.5,	30	12.2,	208.2,	186.7,	-12.0,	34.2,
31	12.2,	204.9,	199.9,	-25.8,	47.8,	32	12.2,	195.4,	207.0,	-38.7,	59.9,
33	12.2,	179.9,	207.8,	-50.5,	70.3,	34	12.2,	158.9,	202.3,	-60.8,	78.5,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	146.5,	193.9,	-176.5,	65.0,	2	12.2,	169.8,	203.8,	-191.5,	50.2,
3	12.2,	188.0,	207.5,	-200.7,	33.9,	4	12.2,	200.4,	204.9,	-203.8,	16.5,
5	12.2,	206.7,	196.1,	-200.8,	-1.3,	6	12.2,	206.8,	181.4,	-191.6,	-19.1,
7	12.2,	200.5,	161.1,	-176.6,	-36.4,	8	12.2,	188.2,	135.9,	-156.2,	-52.5,
9	12.2,	178.0,	118.8,	-137.2,	-67.0,	10	12.2,	193.9,	146.5,	-138.3,	-79.5,
11	12.2,	203.8,	169.8,	-135.1,	-89.6,	12	12.2,	207.5,	188.0,	-127.9,	-97.0,
13	12.2,	204.9,	200.4,	-116.7,	-101.4,	14	12.2,	196.1,	206.7,	-102.0,	-102.7,
15	10.7,	99.7,	103.9,	-34.6,	41.1,	16	10.7,	91.3,	97.7,	-38.9,	43.4,
17	10.7,	80.2,	88.5,	-42.0,	44.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	146.5,	193.9,	-17.4,	-65.0,	20	12.2,	169.8,	203.8,	-12.3,	-50.2,
21	12.2,	188.0,	207.5,	-6.8,	-33.9,	22	12.2,	200.4,	204.9,	-1.1,	-16.5,
23	12.2,	206.7,	196.1,	4.6,	1.3,	24	12.2,	206.8,	181.4,	10.2,	19.1,
25	12.2,	200.5,	161.1,	15.5,	36.4,	26	12.2,	188.2,	135.9,	20.3,	52.5,
27	12.2,	178.0,	118.8,	18.4,	67.0,	28	12.2,	193.9,	146.5,	-8.2,	79.5,
29	12.2,	203.8,	169.8,	-34.7,	89.6,	30	12.2,	207.5,	188.0,	-60.1,	97.0,
31	12.2,	204.9,	200.4,	-83.6,	101.4,	32	12.2,	196.1,	206.7,	-104.7,	102.7,
33	10.7,	99.7,	103.9,	-69.2,	-41.1,	34	10.7,	91.3,	97.7,	-58.8,	-43.4,
35	10.7,	80.2,	88.5,	-46.5,	-44.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.7,	62.0,	83.5,	-35.1,	-29.8,	2	10.7,	71.7,	86.7,	-31.6,	-28.2,
3	10.7,	79.3,	87.3,	-27.2,	-25.7,	4	10.7,	84.5,	85.2,	-21.9,	-22.5,
5	12.2,	206.7,	196.1,	-121.2,	104.0,	6	12.2,	206.8,	181.4,	-131.6,	98.4,
7	12.2,	200.5,	161.1,	-137.9,	89.8,	8	12.2,	188.2,	135.9,	-140.0,	78.4,
9	12.2,	178.0,	118.8,	-144.0,	64.7,	10	12.2,	193.9,	146.5,	-167.8,	49.1,
11	12.2,	203.8,	169.8,	-186.5,	31.9,	12	12.2,	207.5,	188.0,	-199.6,	13.8,
13	12.2,	204.9,	200.4,	-206.6,	-4.8,	14	12.2,	196.1,	206.7,	-207.3,	-23.2,
15	12.2,	181.4,	206.8,	-201.7,	-40.9,	16	12.2,	161.1,	200.5,	-190.0,	-57.3,
17	12.2,	135.9,	188.2,	-172.6,	-72.1,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	10.7,	62.0,	83.5,	-48.4,	29.8,	20	10.7,	71.7,	86.7,	-55.1,	28.2,
21	10.7,	79.3,	87.3,	-60.1,	25.7,	22	10.7,	84.5,	85.2,	-63.3,	22.5,
23	12.2,	206.7,	196.1,	-74.9,	-104.0,	24	12.2,	206.8,	181.4,	-49.8,	-98.4,
25	12.2,	200.5,	161.1,	-23.2,	-89.8,	26	12.2,	188.2,	135.9,	4.1,	-78.4,
27	10.7,	77.8,	50.3,	-55.7,	-1.4,	28	12.2,	193.9,	146.5,	21.3,	-49.1,
29	12.2,	203.8,	169.8,	16.7,	-31.9,	30	12.2,	207.5,	188.0,	11.7,	-13.8,
31	12.2,	204.9,	200.4,	6.2,	4.8,	32	12.2,	196.1,	206.7,	0.6,	23.2,
33	12.2,	181.4,	206.8,	-5.0,	40.9,	34	12.2,	161.1,	200.5,	-10.5,	57.3,
35	12.2,	135.9,	188.2,	-15.7,	72.1,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: INCIC11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	153.3,	225.6,	-193.4,	73.6,	2	12.2,	182.0,	233.9,	-209.1,	58.4,
3	12.2,	205.2,	235.0,	-218.4,	41.6,	4	12.2,	222.1,	229.1,	-221.1,	23.4,
5	12.2,	232.3,	216.1,	-217.1,	4.5,	6	12.2,	235.4,	196.6,	-206.5,	-14.5,
7	12.2,	231.4,	171.1,	-189.6,	-33.0,	8	12.2,	220.4,	140.4,	-166.9,	-50.6,
9	12.2,	210.5,	119.9,	-146.4,	-66.6,	10	12.2,	225.6,	153.3,	-150.2,	-80.6,
11	12.2,	233.9,	182.0,	-149.4,	-92.2,	12	12.2,	235.0,	205.2,	-144.1,	-100.9,
13	12.2,	229.1,	222.1,	-134.5,	-106.6,	14	12.2,	216.1,	232.3,	-120.7,	-109.0,
15	10.7,	84.1,	100.6,	-20.9,	30.4,	16	10.7,	73.2,	100.2,	-26.3,	35.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	153.3,	225.6,	-32.2,	-73.6,	20	12.2,	182.0,	233.9,	-24.8,	-58.4,
21	12.2,	205.2,	235.0,	-16.6,	-41.6,	22	12.2,	222.1,	229.1,	-7.9,	-23.4,
23	12.2,	232.3,	216.1,	1.0,	-4.5,	24	12.2,	235.4,	196.6,	9.9,	14.5,
25	12.2,	231.4,	171.1,	18.4,	33.0,	26	10.7,	96.6,	60.1,	-68.6,	17.3,
27	10.7,	90.2,	45.1,	-63.6,	10.4,	28	12.2,	225.6,	153.3,	-3.1,	80.6,
29	12.2,	233.9,	182.0,	-32.5,	92.2,	30	12.2,	235.0,	205.2,	-61.0,	100.9,
31	12.2,	229.1,	222.1,	-87.6,	106.6,	32	12.2,	216.1,	232.3,	-111.6,	109.0,
33	10.7,	84.1,	100.6,	-79.8,	-30.4,	34	10.7,	73.2,	100.2,	-73.8,	-35.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	10.7,	81.5,	94.1,	-33.8,	-40.1,	4	10.7,	88.5,	93.2,	-26.6,	-37.2,
5	10.7,	92.7,	89.5,	-18.6,	-33.2,	6	10.7,	94.2,	83.1,	-10.0,	-28.1,
7	12.2,	231.4,	171.1,	-157.8,	113.6,	8	12.2,	220.4,	140.4,	-161.1,	99.3,
9	12.2,	210.5,	119.9,	-166.7,	82.0,	10	12.2,	225.6,	153.3,	-196.0,	62.3,
11	12.2,	233.9,	182.0,	-219.3,	40.6,	12	12.2,	235.0,	205.2,	-236.0,	17.7,
13	12.2,	229.1,	222.1,	-245.5,	-5.7,	14	12.2,	216.1,	232.3,	-247.6,	-29.0,
15	12.2,	196.6,	235.4,	-242.1,	-51.4,	16	12.2,	171.1,	231.4,	-229.3,	-72.2,

17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	10.7,	81.5,	94.1,	-60.3,	40.1,	22	10.7,	88.5,	93.2,	-66.6,	37.2,
23	10.7,	92.7,	89.5,	-70.9,	33.2,	24	10.7,	94.2,	83.1,	-73.1,	28.1,
25	12.2,	231.4,	171.1,	-13.3,	-113.6,	26	12.2,	220.4,	140.4,	20.6,	-99.3,
27	10.7,	81.6,	49.8,	-66.3,	8.6,	28	10.7,	87.3,	60.5,	-72.5,	1.3,
29	10.7,	92.1,	72.1,	-77.8,	-6.1,	30	10.7,	94.1,	81.5,	-80.9,	-13.2,
31	12.2,	229.1,	222.1,	23.4,	5.7,	32	12.2,	216.1,	232.3,	15.3,	29.0,
33	12.2,	196.6,	235.4,	6.7,	51.4,	34	12.2,	171.1,	231.4,	-2.1,	72.2,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.2,	155.9,	188.0,	-138.2,	79.4,
3	12.2,	172.8,	191.2,	-153.0,	70.5,	4	12.2,	184.4,	188.7,	-163.1,	59.5,
5	12.2,	190.4,	180.4,	-168.3,	46.7,	6	12.2,	190.6,	166.7,	-168.3,	32.4,
7	12.2,	185.0,	147.8,	-163.2,	17.2,	8	12.2,	173.8,	124.5,	-153.2,	1.4,
9	12.2,	164.6,	108.7,	-144.1,	-14.4,	10	12.2,	179.0,	134.3,	-153.1,	-29.8,
11	12.2,	188.0,	155.9,	-157.4,	-44.3,	12	12.2,	191.2,	172.8,	-156.9,	-57.4,
13	12.2,	188.7,	184.4,	-151.7,	-68.8,	14	12.2,	180.4,	190.4,	-141.9,	-78.1,
15	12.2,	166.7,	190.6,	-127.7,	-85.0,	16	10.7,	95.3,	115.9,	-21.4,	46.9,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.2,	155.9,	188.0,	-49.7,	-79.4,
21	12.2,	172.8,	191.2,	-38.2,	-70.5,	22	12.2,	184.4,	188.7,	-25.6,	-59.5,
23	12.2,	190.4,	180.4,	-12.1,	-46.7,	24	12.2,	190.6,	166.7,	1.7,	-32.4,
25	12.2,	185.0,	147.8,	15.4,	-17.2,	26	10.7,	108.3,	81.0,	-93.0,	27.8,
27	10.7,	102.2,	71.2,	-92.1,	18.3,	28	12.2,	179.0,	134.3,	18.8,	29.8,
29	12.2,	188.0,	155.9,	1.5,	44.3,	30	12.2,	191.2,	172.8,	-15.9,	57.4,
31	12.2,	188.7,	184.4,	-32.7,	68.8,	32	12.2,	180.4,	190.4,	-48.5,	78.1,
33	12.2,	166.7,	190.6,	-62.9,	85.0,	34	10.7,	95.3,	115.9,	-94.5,	-46.9,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	10.7,	77.1,	96.2,	-34.0,	-42.8,
3	10.7,	86.5,	98.2,	-27.8,	-39.7,	4	10.7,	93.3,	97.2,	-20.7,	-35.4,
5	10.7,	97.2,	93.3,	-13.0,	-30.0,	6	10.7,	98.2,	86.5,	-4.9,	-23.7,
7	10.7,	96.2,	77.1,	3.3,	-16.7,	8	10.7,	91.3,	65.4,	11.4,	-9.2,
9	10.7,	83.6,	51.6,	19.2,	-1.4,	10	10.7,	91.3,	65.4,	11.9,	6.5,
11	10.7,	96.2,	77.1,	4.2,	14.1,	12	10.7,	98.2,	86.5,	-3.6,	21.4,
13	10.7,	97.2,	93.3,	-11.3,	27.9,	14	10.7,	93.3,	97.2,	-18.6,	33.6,
15	10.7,	86.5,	98.2,	-25.4,	38.3,	16	10.7,	77.1,	96.2,	-31.4,	41.9,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	10.7,	77.1,	96.2,	-62.2,	42.8,
21	10.7,	86.5,	98.2,	-70.5,	39.7,	22	10.7,	93.3,	97.2,	-76.5,	35.4,
23	10.7,	97.2,	93.3,	-80.3,	30.0,	24	10.7,	98.2,	86.5,	-81.6,	23.7,
25	10.7,	96.2,	77.1,	-80.4,	16.7,	26	10.7,	91.3,	65.4,	-76.8,	9.2,
27	10.7,	83.6,	51.6,	-70.9,	1.4,	28	10.7,	91.3,	65.4,	-77.3,	-6.5,
29	10.7,	96.2,	77.1,	-81.3,	-14.1,	30	10.7,	98.2,	86.5,	-82.9,	-21.4,
31	10.7,	97.2,	93.3,	-82.0,	-27.9,	32	10.7,	93.3,	97.2,	-78.6,	-33.6,
33	10.7,	86.5,	98.2,	-72.8,	-38.3,	34	10.7,	77.1,	96.2,	-64.8,	-41.9,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

653709.4, 653809.4, 653909.4, 654009.4, 654109.4, 654209.4, 654309.4, 654409.4, 654509.4, 654609.4,

*** Y-COORDINATES OF GRID ***
(METERS)

4187469.2, 4187569.2, 4187669.2, 4187769.2, 4187869.2, 4187969.2, 4188069.2, 4188169.2, 4188269.2, 4188369.2,
4188469.2, 4188569.2, 4188669.2, 4188769.2, 4188869.2, 4188969.2, 4189069.2, 4189169.2, 4189269.2, 4189369.2,
4189469.2, 4189569.2, 4189669.2, 4189769.2, 4189869.2, 4189969.2, 4190069.2, 4190169.2, 4190269.2, 4190369.2,
4190469.2, 4190569.2, 4190669.2, 4190769.2, 4190869.2, 4190969.2, 4191069.2, 4191169.2, 4191269.2, 4191369.2,
4191469.2, 4191569.2, 4191669.2, 4191769.2, 4191869.2,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4191869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

4190569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4187869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 654609.43
4191869.21	1.50
4191769.21	1.50
4191669.21	1.50
4191569.21	1.50
4191469.21	1.50
4191369.21	1.50
4191269.21	1.50
4191169.21	1.50
4191069.21	1.50
4190969.21	1.50
4190869.21	1.50
4190769.21	1.50
4190669.21	1.50
4190569.21	1.50
4190469.21	1.50
4190369.21	1.50
4190269.21	1.50
4190169.21	1.50
4190069.21	1.50
4189969.21	1.50
4189869.21	1.50
4189769.21	1.50
4189669.21	1.50
4189569.21	1.50
4189469.21	1.50
4189369.21	1.50
4189269.21	1.50
4189169.21	1.50
4189069.21	1.50
4188969.21	1.50
4188869.21	1.50
4188769.21	1.50
4188669.21	1.50
4188569.21	1.50
4188469.21	1.50
4188369.21	1.50
4188269.21	1.50
4188169.21	1.50
4188069.21	1.50
4187969.21	1.50

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 654609.43
4187869.21	1.50
4187769.21	1.50
4187669.21	1.50
4187569.21	1.50
4187469.21	1.50

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

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

(653704.1,	4188059.6,	8.0,	8.0,	1.5);	(653739.0,	4187982.7,	8.0,	8.0,	1.5);
(653774.0,	4187974.0,	8.0,	8.0,	1.5);	(653809.0,	4187979.2,	8.0,	8.0,	1.5);
(653716.3,	4188105.1,	8.0,	8.0,	1.5);	(653814.2,	4188038.6,	8.0,	8.0,	1.5);
(653845.7,	4188094.6,	8.0,	8.0,	1.5);	(653913.8,	4187967.0,	8.0,	8.0,	1.5);
(653857.9,	4187979.2,	8.0,	8.0,	1.5);	(653684.9,	4188140.0,	8.0,	8.0,	1.5);
(653723.3,	4188183.7,	8.0,	8.0,	1.5);	(653782.7,	4187900.6,	8.0,	8.0,	1.5);
(653788.0,	4187849.9,	8.0,	8.0,	1.5);	(653784.5,	4187807.9,	8.0,	8.0,	1.5);
(653740.8,	4187794.0,	8.0,	8.0,	1.5);	(653693.6,	4187794.0,	8.0,	8.0,	1.5);
(653611.5,	4187907.6,	8.0,	8.0,	1.5);	(653548.5,	4187912.8,	8.0,	8.0,	1.5);
(653611.5,	4187849.9,	8.0,	8.0,	1.5);	(653459.4,	4187916.3,	8.0,	8.0,	1.5);
(653391.2,	4187914.6,	8.0,	8.0,	1.5);	(653615.0,	4187785.2,	8.0,	8.0,	1.5);
(653691.9,	4188389.9,	8.0,	8.0,	1.5);	(653681.4,	4188468.6,	8.0,	8.0,	1.5);
(653672.6,	4188533.3,	8.0,	8.0,	1.5);	(653658.6,	4188639.9,	8.0,	8.0,	1.5);
(653642.9,	4189129.2,	8.0,	8.0,	1.5);	(653646.4,	4189377.4,	8.0,	8.0,	1.5);
(653639.4,	4189527.7,	8.0,	8.0,	1.5);	(653620.2,	4189735.7,	8.0,	8.0,	1.5);
(653604.5,	4190029.3,	8.0,	8.0,	1.5);	(653629.2,	4190985.6,	8.0,	8.0,	1.5);
(653634.4,	4191226.8,	8.0,	8.0,	1.5);	(653538.3,	4191464.5,	8.0,	8.0,	1.5);
(653833.4,	4187890.5,	8.0,	8.0,	1.5);	(653873.3,	4187905.5,	8.0,	8.0,	1.5);
(653913.2,	4187900.5,	8.0,	8.0,	1.5);					

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** 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		

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2004 1 1
AND END DATE: 2008 12 31 24

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,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

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

Surface file: MetData\2004-2008.SFC Met Version: 06341
Profile file: MetData\2004-2008.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23237 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2004 Year: 2004

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
04	01	01	1	01	-15.7	0.278	-9.000	-9.000	-999.	337.	123.5	0.02	0.81	1.00	4.60	130.	10.0	282.0	2.0
04	01	01	1	02	-23.7	0.419	-9.000	-9.000	-999.	624.	280.8	0.02	0.81	1.00	6.70	140.	10.0	282.0	2.0
04	01	01	1	03	-29.3	0.518	-9.000	-9.000	-999.	857.	428.9	0.02	0.81	1.00	8.20	130.	10.0	282.0	2.0
04	01	01	1	04	-33.3	0.590	-9.000	-9.000	-999.	1041.	557.3	0.02	0.81	1.00	9.30	140.	10.0	282.5	2.0
04	01	01	1	05	-29.3	0.518	-9.000	-9.000	-999.	863.	428.9	0.02	0.81	1.00	8.20	150.	10.0	282.0	2.0
04	01	01	1	06	-31.5	0.557	-9.000	-9.000	-999.	956.	496.4	0.02	0.81	1.00	8.80	150.	10.0	282.0	2.0
04	01	01	1	07	-29.3	0.518	-9.000	-9.000	-999.	860.	428.9	0.02	0.81	1.00	8.20	160.	10.0	282.0	2.0
04	01	01	1	08	-38.8	0.688	-9.000	-9.000	-999.	1311.	757.6	0.02	0.81	0.73	10.80	140.	10.0	282.0	2.0
04	01	01	1	09	-16.0	0.757	-9.000	-9.000	-999.	1512.	2447.4	0.02	0.81	0.39	11.80	140.	10.0	282.0	2.0
04	01	01	1	10	7.1	0.799	0.275	0.005	106.	1639.	-6518.6	0.02	0.81	0.27	12.40	150.	10.0	282.0	2.0
04	01	01	1	11	15.0	0.665	0.419	0.005	177.	1269.	-1777.2	0.02	0.81	0.23	10.30	150.	10.0	282.0	2.0
04	01	01	1	12	19.3	0.762	0.523	0.007	268.	1526.	-2068.5	0.02	0.81	0.22	11.80	150.	10.0	282.0	2.0
04	01	01	1	13	19.8	0.762	0.584	0.007	361.	1529.	-2013.3	0.02	0.81	0.21	11.80	160.	10.0	282.0	2.0
04	01	01	1	14	16.5	0.437	0.586	0.005	439.	775.	-455.1	0.02	0.81	0.22	6.70	160.	10.0	282.0	2.0
04	01	01	1	15	9.6	0.530	0.505	0.005	485.	887.	-1404.6	0.02	0.81	0.26	8.20	160.	10.0	282.0	2.0
04	01	01	1	16	-0.7	0.463	-9.000	-9.000	-999.	729.	8888.0	0.02	0.81	0.35	7.20	150.	10.0	282.5	2.0

```
04 01 01   1 17  -34.4  0.340 -9.000 -9.000 -999.  466.    103.5  0.02   0.81   0.60    5.70  150.   10.0  282.0    2.0
04 01 01   1 18  -22.3  0.224 -9.000 -9.000 -999.  252.     45.8  0.02   0.81   1.00    4.10  140.   10.0  280.9    2.0
04 01 01   1 19  -17.7  0.312 -9.000 -9.000 -999.  401.    155.0  0.02   0.81   1.00    5.10  160.   10.0  280.9    2.0
04 01 01   1 20  -21.9  0.386 -9.000 -9.000 -999.  551.    237.1  0.02   0.81   1.00    6.20  160.   10.0  280.9    2.0
04 01 01   1 21  -23.6  0.350 -9.000 -9.000 -999.  476.    163.5  0.02   0.81   1.00    5.70  150.   10.0  280.9    2.0
04 01 01   1 22  -24.7  0.217 -9.000 -9.000 -999.  242.     37.5  0.02   0.81   1.00    4.10  160.   10.0  280.4    2.0
04 01 01   1 23  -11.3  0.100 -9.000 -9.000 -999.   81.      8.0  0.02   0.81   1.00    3.10  160.   10.0  279.2    2.0
04 01 01   1 24   -7.9  0.084 -9.000 -9.000 -999.   56.      6.7  0.02   0.81   1.00    2.60  150.   10.0  278.1    2.0


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
04 01 01 01   10.0 1  130.    4.60   282.1   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 09292 ***    *** CIC with Industrial Portion of the Master Plan                     ***        07/22/10
                                   *** Period Average DPM Concnetrations                                 ***       18:38:19
                                                                                                                   PAGE  65
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                         FASTALL                    NODRYDPLT NOWETDPLT

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):      L0008651, L0008652, L0008653, L0008654, L0008655, L0008656, L0008657,
        L0008658, L0008659, L0008660, L0008661, L0008662, L0008663, L0008664, L0008665, L0008666, L0008667, L0008668, L0008669,
        L0008670, L0008671, L0008672, L0008673, L0008674, L0008675, L0008676, L0008677, L0008678, L0008679, L0008680,  . . . ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

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

   Y-COORD  |                                                  X-COORD (METERS)
   (METERS) |     653709.43    653809.43    653909.43    654009.43    654109.43    654209.43    654309.43    654409.43    654509.43
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 4191869.21 |       0.00068      0.00065      0.00064      0.00062      0.00061      0.00061      0.00060      0.00060      0.00060
 4191769.21 |       0.00077      0.00074      0.00073      0.00072      0.00071      0.00070      0.00069      0.00069      0.00069
 4191669.21 |       0.00089      0.00086      0.00085      0.00085      0.00084      0.00082      0.00082      0.00082      0.00081
 4191569.21 |       0.00107      0.00105      0.00104      0.00103      0.00101      0.00100      0.00099      0.00097      0.00095
 4191469.21 |       0.00136      0.00133      0.00131      0.00128      0.00125      0.00122      0.00119      0.00116      0.00114
 4191369.21 |       0.00184      0.00177      0.00170      0.00164      0.00157      0.00152      0.00146      0.00141      0.00136
 4191269.21 |       0.00261      0.00241      0.00225      0.00210      0.00198      0.00187      0.00178      0.00170      0.00163
 4191169.21 |       0.00365      0.00323      0.00292      0.00267      0.00247      0.00231      0.00217      0.00205      0.00194
 4191069.21 |       0.00480      0.00414      0.00366      0.00328      0.00300      0.00278      0.00259      0.00242      0.00226
 4190969.21 |       0.00601      0.00511      0.00448      0.00401      0.00364      0.00333      0.00305      0.00282      0.00263
 4190869.21 |       0.00719      0.00613      0.00537      0.00477      0.00429      0.00389      0.00355      0.00326      0.00300
 4190769.21 |       0.00863      0.00742      0.00647      0.00571      0.00507      0.00453      0.00409      0.00371      0.00339
 4190669.21 |       0.01100      0.00926      0.00787      0.00678      0.00591      0.00521      0.00464      0.00417      0.00376
 4190569.21 |       0.01528      0.01172      0.00941      0.00782      0.00667      0.00579      0.00510      0.00455      0.00410
 4190469.21 |       0.01794      0.01307      0.01028      0.00844      0.00713      0.00618      0.00543      0.00483      0.00433
 4190369.21 |       0.01663      0.01281      0.01031      0.00859      0.00734      0.00638      0.00561      0.00500      0.00450
 4190269.21 |       0.01455      0.01196      0.01001      0.00852      0.00738      0.00646      0.00572      0.00512      0.00462
 4190169.21 |       0.01302      0.01122      0.00968      0.00841      0.00737      0.00653      0.00582      0.00522      0.00470
 4190069.21 |       0.01273      0.01101      0.00956      0.00838      0.00737      0.00654      0.00586      0.00529      0.00480
 4189969.21 |       0.01377      0.01123      0.00958      0.00835      0.00737      0.00655      0.00587      0.00530      0.00482
 4189869.21 |       0.01378      0.01112      0.00943      0.00824      0.00729      0.00652      0.00586      0.00530      0.00484
 4189769.21 |       0.01281      0.01057      0.00908      0.00797      0.00711      0.00641      0.00581      0.00529      0.00484
 4189669.21 |       0.01179      0.01001      0.00873      0.00775      0.00697      0.00632      0.00576      0.00527      0.00483
 4189569.21 |       0.01108      0.00960      0.00847      0.00762      0.00689      0.00628      0.00575      0.00528      0.00486
 4189469.21 |       0.01065      0.00944      0.00846      0.00763      0.00691      0.00629      0.00575      0.00528      0.00487
 4189369.21 |       0.01127      0.00990      0.00878      0.00783      0.00706      0.00638      0.00581      0.00532      0.00489
 4189269.21 |       0.01497      0.01154      0.00956      0.00823      0.00726      0.00650      0.00587      0.00534      0.00489
 4189169.21 |       0.01795      0.01269      0.01006      0.00844      0.00735      0.00652      0.00586      0.00532      0.00487
 4189069.21 |       0.01600      0.01219      0.00991      0.00837      0.00727      0.00644      0.00579      0.00525      0.00480
 4188969.21 |       0.01428      0.01142      0.00945      0.00810      0.00707      0.00629      0.00566      0.00513      0.00470
 4188869.21 |       0.01259      0.01041      0.00885      0.00768      0.00677      0.00604      0.00547      0.00499      0.00458
 4188769.21 |       0.01075      0.00931      0.00818      0.00724      0.00645      0.00580      0.00527      0.00482      0.00443
 4188669.21 |       0.00970      0.00853      0.00760      0.00684      0.00617      0.00559      0.00510      0.00467      0.00430
 4188569.21 |       0.00953      0.00823      0.00730      0.00656      0.00592      0.00537      0.00489      0.00448      0.00414
 4188469.21 |       0.00998      0.00830      0.00724      0.00639      0.00573      0.00515      0.00470      0.00431      0.00398
 4188369.21 |       0.01161      0.00879      0.00723      0.00622      0.00548      0.00494      0.00447      0.00409      0.00378
 4188269.21 |       0.01233      0.00846      0.00677      0.00576      0.00510      0.00459      0.00416      0.00383      0.00355
 4188169.21 |       0.00839      0.00686      0.00583      0.00512      0.00459      0.00416      0.00383      0.00354      0.00330
 4188069.21 |       0.00566      0.00532      0.00482      0.00442      0.00405      0.00375      0.00348      0.00324      0.00304
 4187969.21 |       0.00413      0.00413      0.00399      0.00377      0.00356      0.00334      0.00315      0.00296      0.00280
 *** AERMOD - VERSION 09292 ***    *** CIC with Industrial Portion of the Master Plan                     ***        07/22/10
                                   *** Period Average DPM Concnetrations                                 ***       18:38:19
                                                                                                                   PAGE  66
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                         FASTALL                    NODRYDPLT NOWETDPLT

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):      L0008651, L0008652, L0008653, L0008654, L0008655, L0008656, L0008657,
        L0008658, L0008659, L0008660, L0008661, L0008662, L0008663, L0008664, L0008665, L0008666, L0008667, L0008668, L0008669,
        L0008670, L0008671, L0008672, L0008673, L0008674, L0008675, L0008676, L0008677, L0008678, L0008679, L0008680,  . . . ,

                                    *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

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

   Y-COORD  |                                                  X-COORD (METERS)
   (METERS) |     653709.43    653809.43    653909.43    654009.43    654109.43    654209.43    654309.43    654409.43    654509.43
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 4187869.21 |       0.00324      0.00331      0.00331      0.00323      0.00312      0.00298      0.00284      0.00269      0.00256
 4187769.21 |       0.00266      0.00275      0.00278      0.00278      0.00273      0.00266      0.00256      0.00245      0.00235
 4187669.21 |       0.00225      0.00233      0.00238      0.00240      0.00240      0.00237      0.00232      0.00223      0.00215
 4187569.21 |       0.00194      0.00203      0.00207      0.00211      0.00212      0.00212      0.00209      0.00204      0.00198
 4187469.21 |       0.00170      0.00179      0.00183      0.00187      0.00189      0.00190      0.00190      0.00187      0.00182
 *** AERMOD - VERSION 09292 ***    *** CIC with Industrial Portion of the Master Plan                     ***        07/22/10
                                   *** Period Average DPM Concnetrations                                 ***       18:38:19
                                                                                                                   PAGE  67
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                         FASTALL                    NODRYDPLT NOWETDPLT

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):      L0008651, L0008652, L0008653, L0008654, L0008655, L0008656, L0008657,
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L0008658, L0008659, L0008660, L0008661, L0008662, L0008663, L0008664, L0008665, L0008666, L0008667, L0008668, L0008669,
L0008670, L0008671, L0008672, L0008673, L0008674, L0008675, L0008676, L0008677, L0008678, L0008679, L0008680, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 654609.43
4191869.21	0.00059
4191769.21	0.00068
4191669.21	0.00080
4191569.21	0.00094
4191469.21	0.00111
4191369.21	0.00132
4191269.21	0.00157
4191169.21	0.00184
4191069.21	0.00213
4190969.21	0.00245
4190869.21	0.00277
4190769.21	0.00312
4190669.21	0.00343
4190569.21	0.00372
4190469.21	0.00393
4190369.21	0.00407
4190269.21	0.00420
4190169.21	0.00427
4190069.21	0.00436
4189969.21	0.00441
4189869.21	0.00443
4189769.21	0.00445
4189669.21	0.00445
4189569.21	0.00447
4189469.21	0.00449
4189369.21	0.00451
4189269.21	0.00451
4189169.21	0.00448
4189069.21	0.00442
4188969.21	0.00433
4188869.21	0.00422
4188769.21	0.00410
4188669.21	0.00397
4188569.21	0.00383
4188469.21	0.00368
4188369.21	0.00351
4188269.21	0.00332
4188169.21	0.00310
4188069.21	0.00287
4187969.21	0.00265

*** AERMOD - VERSION 09292 *** *** CIC with Industrial Portion of the Master Plan *** 07/22/10
*** Period Average DPM Concnetrations *** 18:38:19
PAGE 68

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008651, L0008652, L0008653, L0008654, L0008655, L0008656, L0008657,
L0008658, L0008659, L0008660, L0008661, L0008662, L0008663, L0008664, L0008665, L0008666, L0008667, L0008668, L0008669,
L0008670, L0008671, L0008672, L0008673, L0008674, L0008675, L0008676, L0008677, L0008678, L0008679, L0008680, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	X-COORD (METERS) 654609.43
4187869.21	0.00245
4187769.21	0.00225
4187669.21	0.00208
4187569.21	0.00191
4187469.21	0.00177

*** AERMOD - VERSION 09292 *** *** CIC with Industrial Portion of the Master Plan *** 07/22/10
*** Period Average DPM Concnetrations *** 18:38:19
PAGE 69

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008651, L0008652, L0008653, L0008654, L0008655, L0008656, L0008657,
L0008658, L0008659, L0008660, L0008661, L0008662, L0008663, L0008664, L0008665, L0008666, L0008667, L0008668, L0008669,
L0008670, L0008671, L0008672, L0008673, L0008674, L0008675, L0008676, L0008677, L0008678, L0008679, L0008680, . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
653704.08	4188059.62	0.00548	653739.04	4187982.72	0.00431
653773.99	4187973.98	0.00421	653808.95	4187979.23	0.00423
653716.32	4188105.07	0.00642	653814.19	4188038.65	0.00490
653845.65	4188094.58	0.00544	653913.81	4187966.99	0.00397
653857.88	4187979.23	0.00416	653684.86	4188140.02	0.00764
653723.31	4188183.71	0.00863	653782.73	4187900.58	0.00353
653787.97	4187849.89	0.00318	653784.48	4187807.95	0.00293
653740.78	4187793.97	0.00282	653693.60	4187793.97	0.00276
653611.45	4187907.57	0.00333	653548.53	4187912.81	0.00316
653611.45	4187849.89	0.00291	653459.40	4187916.31	0.00291
653391.24	4187914.56	0.00272	653614.95	4187785.23	0.00256
653691.85	4188389.95	0.01165	653681.36	4188468.60	0.01086
653672.62	4188533.26	0.01045	653658.64	4188639.87	0.01045
653642.91	4189129.24	0.02330	653646.41	4189377.42	0.01236

653639.42	4189527.73	0.01202	653620.19	4189735.71	0.01545
653604.46	4190029.33	0.01625	653629.19	4190985.62	0.00686
653634.43	4191226.81	0.00331	653538.30	4191464.51	0.00145
653833.41	4187890.51	0.00347	653873.29	4187905.46	0.00356
653913.18	4187900.48	0.00350			

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

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

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

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.02330 AT (653642.91, 4189129.24, 8.00, 8.00, 1.50)	DC	
	2ND HIGHEST VALUE IS	0.01795 AT (653709.43, 4189169.21, 8.00, 8.00, 1.50)	GC	UCART1
	3RD HIGHEST VALUE IS	0.01794 AT (653709.43, 4190469.21, 8.00, 8.00, 1.50)	GC	UCART1
	4TH HIGHEST VALUE IS	0.01663 AT (653709.43, 4190369.21, 8.00, 8.00, 1.50)	GC	UCART1
	5TH HIGHEST VALUE IS	0.01625 AT (653604.46, 4190029.33, 8.00, 8.00, 1.50)	DC	
	6TH HIGHEST VALUE IS	0.01600 AT (653709.43, 4189069.21, 8.00, 8.00, 1.50)	GC	UCART1
	7TH HIGHEST VALUE IS	0.01545 AT (653620.19, 4189735.71, 8.00, 8.00, 1.50)	DC	
	8TH HIGHEST VALUE IS	0.01528 AT (653709.43, 4190569.21, 8.00, 8.00, 1.50)	GC	UCART1
	9TH HIGHEST VALUE IS	0.01497 AT (653709.43, 4189269.21, 8.00, 8.00, 1.50)	GC	UCART1
	10TH HIGHEST VALUE IS	0.01455 AT (653709.43, 4190269.21, 8.00, 8.00, 1.50)	GC	UCART1

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

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

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

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

A Total of 0 Fatal Error Message(s)
A Total of 36 Warning Message(s)
A Total of 8775 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 7723 Calm Hours Identified

A Total of 1052 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********
SO W320 2351 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2352 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2353 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2354 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2355 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2356 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2357 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2358 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2359 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2360 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2361 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2362 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2363 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2364 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2365 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2366 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 2367 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3199 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3200 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3201 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3202 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3203 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3204 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3205 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3206 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3207 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3208 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3209 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3210 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3211 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3212 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3213 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3214 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3215 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3216 PPARM :Input Parameter May Be Out-of-Range for Parameter VS
SO W320 3217 PPARM :Input Parameter May Be Out-of-Range for Parameter VS

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

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** 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 1570 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 62651.0 ; Urban Roughness Length = 1.000 m

**Model Allows User-Specified Options:
1. Stack-tip Downwash.
2. Model Assumes Receptors on FLAT Terrain.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Used.

**Other Options Specified:
FASTALL - Use effective sigma-y to optimize meander for
POINT and VOLUME sources, and hybrid approach
to optimize AREA sources (formerly TOXICS option)

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates PERIOD Averages Only

**This Run Includes: 1570 Source(s); 1 Source Group(s); and 487 Receptor(s)

**The Model Assumes A Pollutant Type of: DPM

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

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 8.00 ; 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 = 6.4 MB of RAM.

*** AERMOD - VERSION 09292 *** *** Master Plan Build Out - 2024 *** 07/21/10
*** Period Average DPM Concnetrations *** 22:54:59
PAGE 2

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** 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
ICIC1_1	0	0.48900E-04	653179.9	4190633.8	8.0	3.66	366.48	51.70	0.10	YES	YES	NO	
ICIC1_2	0	0.48900E-04	653170.2	4190811.7	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC1_3	0	0.48900E-04	653163.8	4190973.4	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC1_4	0	0.48900E-04	653154.0	4191125.5	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC2_1	0	0.34200E-04	653199.3	4190041.8	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC2_2	0	0.34200E-04	653189.6	4190180.9	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC2_3	0	0.34200E-04	653183.2	4190323.2	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC2_4	0	0.34200E-04	653179.9	4190436.5	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC3_1	0	0.57700E-05	653277.0	4189288.1	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC3_2	0	0.61500E-05	653270.5	4189381.9	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC3_3	0	0.61500E-05	653273.7	4189475.7	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC4_1	0	0.12700E-04	653451.7	4188395.3	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC4_2	0	0.12700E-04	653445.2	4188476.1	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC4_3	0	0.12700E-04	653441.9	4188566.7	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC5_1	0	0.60600E-05	653260.8	4188372.6	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC5_2	0	0.60600E-05	653254.3	4188447.0	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
ICIC5_3	0	0.60600E-05	653254.3	4188540.8	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC1_1	0	0.15900E-04	653296.6	4189772.4	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC1_2	0	0.15900E-04	653289.8	4189883.9	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC2_1	0	0.16600E-05	653306.7	4189532.5	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC2_2	0	0.16600E-04	653306.7	4189630.5	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC3_1	0	0.15300E-04	653320.2	4189292.6	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC3_2	0	0.15300E-04	653313.5	4189380.4	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC4_1	0	0.16700E-04	653445.2	4189127.0	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC4_2	0	0.16700E-04	653448.6	4189015.6	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC5_1	0	0.12700E-04	653448.6	4188775.7	8.0	3.66	366.00	51.70	0.20	YES	YES	NO	
INCIC5_2	0	0.15700E-04	653445.2	4188877.0	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC6	0	0.17900E-04	653445.2	4189883.9	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC7	0	0.14500E-04	653455.4	4189735.2	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC8	0	0.14600E-04	653465.5	4189569.6	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC9	0	0.19600E-04	653468.9	4189414.2	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC10	0	0.89000E-05	653475.7	4189282.5	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	
INCIC11	0	0.13400E-04	653468.9	4189127.0	8.0	3.66	366.00	51.70	0.10	YES	YES	NO	

INCIC12	0	0.17100E-04	653489.2	4188978.4	8.0	3.66	366.00	51.70	0.10	YES	YES	NO
INCIC13	0	0.17900E-04	653479.0	4188839.9	8.0	3.66	366.00	51.70	0.10	YES	YES	NO
INCIC14	0	0.37300E-04	653479.0	4188664.2	8.0	3.66	366.00	51.70	0.10	YES	YES	NO
IRETAIL0	0	0.35200E-04	653394.6	4188282.4	8.0	3.66	366.00	51.70	0.10	YES	YES	NO

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007118	0	0.51736E-05	653485.4	4190517.2	8.0	1.83	3.34	0.40	YES	
L0007119	0	0.51736E-05	653478.2	4190516.9	8.0	1.83	3.34	0.40	YES	
L0007120	0	0.51736E-05	653471.1	4190516.6	8.0	1.83	3.34	0.40	YES	
L0007121	0	0.51736E-05	653463.9	4190516.3	8.0	1.83	3.34	0.40	YES	
L0007122	0	0.51736E-05	653456.7	4190516.1	8.0	1.83	3.34	0.40	YES	
L0007123	0	0.51736E-05	653449.5	4190515.8	8.0	1.83	3.34	0.40	YES	
L0007124	0	0.51736E-05	653442.3	4190515.5	8.0	1.83	3.34	0.40	YES	
L0007125	0	0.51736E-05	653435.2	4190515.2	8.0	1.83	3.34	0.40	YES	
L0007126	0	0.51736E-05	653428.0	4190514.9	8.0	1.83	3.34	0.40	YES	
L0007127	0	0.51736E-05	653420.8	4190514.7	8.0	1.83	3.34	0.40	YES	
L0007128	0	0.51736E-05	653413.6	4190514.4	8.0	1.83	3.34	0.40	YES	
L0007129	0	0.51736E-05	653406.4	4190514.1	8.0	1.83	3.34	0.40	YES	
L0007130	0	0.51736E-05	653399.3	4190513.8	8.0	1.83	3.34	0.40	YES	
L0007131	0	0.51736E-05	653392.1	4190513.5	8.0	1.83	3.34	0.40	YES	
L0007132	0	0.51736E-05	653384.9	4190513.3	8.0	1.83	3.34	0.40	YES	
L0007133	0	0.51736E-05	653377.7	4190513.0	8.0	1.83	3.34	0.40	YES	
L0007134	0	0.51736E-05	653370.5	4190512.7	8.0	1.83	3.34	0.40	YES	
L0007135	0	0.51736E-05	653363.4	4190512.4	8.0	1.83	3.34	0.40	YES	
L0007136	0	0.51736E-05	653356.2	4190512.1	8.0	1.83	3.34	0.40	YES	
L0007137	0	0.51736E-05	653349.0	4190511.9	8.0	1.83	3.34	0.40	YES	
L0007138	0	0.51736E-05	653341.8	4190511.6	8.0	1.83	3.34	0.40	YES	
L0007139	0	0.51736E-05	653334.6	4190511.3	8.0	1.83	3.34	0.40	YES	
L0007140	0	0.51736E-05	653327.5	4190511.0	8.0	1.83	3.34	0.40	YES	
L0007141	0	0.51736E-05	653320.3	4190510.7	8.0	1.83	3.34	0.40	YES	
L0007142	0	0.51736E-05	653313.1	4190510.5	8.0	1.83	3.34	0.40	YES	
L0007143	0	0.51736E-05	653305.9	4190510.2	8.0	1.83	3.34	0.40	YES	
L0007144	0	0.51736E-05	653298.7	4190509.9	8.0	1.83	3.34	0.40	YES	
L0007145	0	0.51736E-05	653291.6	4190509.6	8.0	1.83	3.34	0.40	YES	
L0007146	0	0.51736E-05	653284.4	4190509.3	8.0	1.83	3.34	0.40	YES	
L0007147	0	0.51736E-05	653277.2	4190509.1	8.0	1.83	3.34	0.40	YES	
L0007148	0	0.51736E-05	653270.0	4190508.8	8.0	1.83	3.34	0.40	YES	
L0007149	0	0.51736E-05	653262.8	4190508.5	8.0	1.83	3.34	0.40	YES	
L0007150	0	0.51736E-05	653255.7	4190508.2	8.0	1.83	3.34	0.40	YES	
L0007151	0	0.51736E-05	653248.5	4190507.9	8.0	1.83	3.34	0.40	YES	
L0007152	0	0.51736E-05	653241.3	4190507.7	8.0	1.83	3.34	0.40	YES	
L0007153	0	0.51736E-05	653234.1	4190507.4	8.0	1.83	3.34	0.40	YES	
L0007154	0	0.51736E-05	653226.9	4190507.1	8.0	1.83	3.34	0.40	YES	
L0007155	0	0.51736E-05	653219.8	4190506.8	8.0	1.83	3.34	0.40	YES	
L0007156	0	0.51736E-05	653212.6	4190506.5	8.0	1.83	3.34	0.40	YES	
L0007157	0	0.51736E-05	653205.4	4190506.3	8.0	1.83	3.34	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007158	0	0.51736E-05	653198.2	4190506.0	8.0	1.83	3.34	0.40	YES	
L0007159	0	0.51736E-05	653191.0	4190505.7	8.0	1.83	3.34	0.40	YES	
L0007160	0	0.51736E-05	653183.9	4190505.4	8.0	1.83	3.34	0.40	YES	
L0007161	0	0.51736E-05	653176.7	4190505.1	8.0	1.83	3.34	0.40	YES	
L0007162	0	0.51736E-05	653169.5	4190504.9	8.0	1.83	3.34	0.40	YES	
L0007163	0	0.51736E-05	653162.3	4190504.6	8.0	1.83	3.34	0.40	YES	
L0007164	0	0.51736E-05	653160.4	4190510.0	8.0	1.83	3.39	0.40	YES	
L0007165	0	0.51736E-05	653160.2	4190517.3	8.0	1.83	3.39	0.40	YES	
L0007166	0	0.51736E-05	653160.0	4190524.6	8.0	1.83	3.39	0.40	YES	
L0007167	0	0.51736E-05	653159.8	4190531.8	8.0	1.83	3.39	0.40	YES	
L0007168	0	0.51736E-05	653159.6	4190539.1	8.0	1.83	3.39	0.40	YES	
L0007169	0	0.51736E-05	653159.4	4190546.4	8.0	1.83	3.39	0.40	YES	
L0007170	0	0.51736E-05	653159.2	4190553.7	8.0	1.83	3.39	0.40	YES	
L0007171	0	0.51736E-05	653159.0	4190561.0	8.0	1.83	3.39	0.40	YES	
L0007172	0	0.51736E-05	653158.8	4190568.3	8.0	1.83	3.39	0.40	YES	
L0007173	0	0.51736E-05	653158.6	4190575.6	8.0	1.83	3.39	0.40	YES	
L0007174	0	0.51736E-05	653158.4	4190582.9	8.0	1.83	3.39	0.40	YES	
L0007175	0	0.51736E-05	653158.2	4190590.2	8.0	1.83	3.39	0.40	YES	
L0007176	0	0.51736E-05	653158.0	4190597.5	8.0	1.83	3.39	0.40	YES	
L0007177	0	0.51736E-05	653157.8	4190604.8	8.0	1.83	3.39	0.40	YES	
L0007178	0	0.51736E-05	653157.6	4190612.1	8.0	1.83	3.39	0.40	YES	
L0007179	0	0.51736E-05	653157.4	4190619.4	8.0	1.83	3.39	0.40	YES	
L0007180	0	0.51736E-05	653157.2	4190626.7	8.0	1.83	3.39	0.40	YES	
L0007181	0	0.51736E-05	653157.0	4190634.0	8.0	1.83	3.39	0.40	YES	
L0007182	0	0.51736E-05	653156.8	4190641.2	8.0	1.83	3.39	0.40	YES	
L0007183	0	0.51736E-05	653156.6	4190648.5	8.0	1.83	3.39	0.40	YES	
L0007184	0	0.51736E-05	653156.4	4190655.8	8.0	1.83	3.39	0.40	YES	
L0007185	0	0.51736E-05	653156.2	4190663.1	8.0	1.83	3.39	0.40	YES	
L0007186	0	0.51736E-05	653156.0	4190670.4	8.0	1.83	3.39	0.40	YES	
L0007187	0	0.51736E-05	653155.8	4190677.7	8.0	1.83	3.39	0.40	YES	
L0007188	0	0.51736E-05	653155.6	4190685.0	8.0	1.83	3.39	0.40	YES	
L0007189	0	0.51736E-05	653155.4	4190692.3	8.0	1.83	3.39	0.40	YES	
L0007190	0	0.51736E-05	653155.2	4190699.6	8.0	1.83	3.39	0.40	YES	
L0007191	0	0.51736E-05	653155.0	4190706.9	8.0	1.83	3.39	0.40	YES	

L0007192	0	0.51736E-05	653154.8	4190714.2	8.0	1.83	3.39	0.40	YES
L0007193	0	0.51736E-05	653154.6	4190721.5	8.0	1.83	3.39	0.40	YES
L0007194	0	0.51736E-05	653154.4	4190728.8	8.0	1.83	3.39	0.40	YES
L0007195	0	0.51736E-05	653154.2	4190736.1	8.0	1.83	3.39	0.40	YES
L0007196	0	0.51736E-05	653154.0	4190743.4	8.0	1.83	3.39	0.40	YES
L0007197	0	0.51736E-05	653153.8	4190750.6	8.0	1.83	3.39	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007198	0	0.51736E-05	653153.6	4190757.9	8.0	1.83	3.39	0.40	YES	
L0007199	0	0.51736E-05	653153.4	4190765.2	8.0	1.83	3.39	0.40	YES	
L0007200	0	0.51736E-05	653153.2	4190772.5	8.0	1.83	3.39	0.40	YES	
L0007201	0	0.51736E-05	653153.0	4190779.8	8.0	1.83	3.39	0.40	YES	
L0007202	0	0.51736E-05	653152.8	4190787.1	8.0	1.83	3.39	0.40	YES	
L0007203	0	0.51736E-05	653152.6	4190794.4	8.0	1.83	3.39	0.40	YES	
L0007204	0	0.51736E-05	653152.4	4190801.7	8.0	1.83	3.39	0.40	YES	
L0007205	0	0.51736E-05	653152.2	4190809.0	8.0	1.83	3.39	0.40	YES	
L0007206	0	0.51736E-05	653152.0	4190816.3	8.0	1.83	3.39	0.40	YES	
L0007207	0	0.51736E-05	653151.9	4190823.6	8.0	1.83	3.39	0.40	YES	
L0007208	0	0.51736E-05	653151.7	4190830.9	8.0	1.83	3.39	0.40	YES	
L0007209	0	0.51736E-05	653151.5	4190838.2	8.0	1.83	3.39	0.40	YES	
L0007210	0	0.51736E-05	653151.3	4190845.5	8.0	1.83	3.39	0.40	YES	
L0007211	0	0.51736E-05	653151.1	4190852.8	8.0	1.83	3.39	0.40	YES	
L0007212	0	0.51736E-05	653150.9	4190860.0	8.0	1.83	3.39	0.40	YES	
L0007213	0	0.51736E-05	653150.7	4190867.3	8.0	1.83	3.39	0.40	YES	
L0007214	0	0.51736E-05	653150.5	4190874.6	8.0	1.83	3.39	0.40	YES	
L0007215	0	0.51736E-05	653150.3	4190881.9	8.0	1.83	3.39	0.40	YES	
L0007216	0	0.51736E-05	653150.1	4190889.2	8.0	1.83	3.39	0.40	YES	
L0007217	0	0.51736E-05	653149.9	4190896.5	8.0	1.83	3.39	0.40	YES	
L0007218	0	0.51736E-05	653149.7	4190903.8	8.0	1.83	3.39	0.40	YES	
L0007219	0	0.51736E-05	653149.5	4190911.1	8.0	1.83	3.39	0.40	YES	
L0007220	0	0.51736E-05	653149.3	4190918.4	8.0	1.83	3.39	0.40	YES	
L0007221	0	0.51736E-05	653149.1	4190925.7	8.0	1.83	3.39	0.40	YES	
L0007222	0	0.51736E-05	653148.9	4190933.0	8.0	1.83	3.39	0.40	YES	
L0007223	0	0.51736E-05	653148.7	4190940.3	8.0	1.83	3.39	0.40	YES	
L0007224	0	0.51736E-05	653148.5	4190947.6	8.0	1.83	3.39	0.40	YES	
L0007225	0	0.51736E-05	653148.3	4190954.9	8.0	1.83	3.39	0.40	YES	
L0007226	0	0.51736E-05	653148.1	4190962.2	8.0	1.83	3.39	0.40	YES	
L0007227	0	0.51736E-05	653147.9	4190969.4	8.0	1.83	3.39	0.40	YES	
L0007228	0	0.51736E-05	653147.7	4190976.7	8.0	1.83	3.39	0.40	YES	
L0007229	0	0.51736E-05	653147.5	4190984.0	8.0	1.83	3.39	0.40	YES	
L0007230	0	0.51736E-05	653147.3	4190991.3	8.0	1.83	3.39	0.40	YES	
L0007231	0	0.51736E-05	653147.1	4190998.6	8.0	1.83	3.39	0.40	YES	
L0007232	0	0.51736E-05	653146.9	4191005.9	8.0	1.83	3.39	0.40	YES	
L0007233	0	0.51736E-05	653146.7	4191013.2	8.0	1.83	3.39	0.40	YES	
L0007234	0	0.51736E-05	653146.5	4191020.5	8.0	1.83	3.39	0.40	YES	
L0007235	0	0.51736E-05	653146.3	4191027.8	8.0	1.83	3.39	0.40	YES	
L0007236	0	0.51736E-05	653146.1	4191035.1	8.0	1.83	3.39	0.40	YES	
L0007237	0	0.51736E-05	653145.9	4191042.4	8.0	1.83	3.39	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007238	0	0.51736E-05	653145.7	4191049.7	8.0	1.83	3.39	0.40	YES	
L0007239	0	0.51736E-05	653145.5	4191057.0	8.0	1.83	3.39	0.40	YES	
L0007240	0	0.51736E-05	653145.3	4191064.3	8.0	1.83	3.39	0.40	YES	
L0007241	0	0.51736E-05	653145.1	4191071.6	8.0	1.83	3.39	0.40	YES	
L0007242	0	0.51736E-05	653144.9	4191078.8	8.0	1.83	3.39	0.40	YES	
L0007243	0	0.51736E-05	653144.7	4191086.1	8.0	1.83	3.39	0.40	YES	
L0007244	0	0.51736E-05	653144.5	4191093.4	8.0	1.83	3.39	0.40	YES	
L0007245	0	0.51736E-05	653144.3	4191100.7	8.0	1.83	3.39	0.40	YES	
L0007246	0	0.51736E-05	653144.1	4191108.0	8.0	1.83	3.39	0.40	YES	
L0007247	0	0.51736E-05	653143.9	4191115.3	8.0	1.83	3.39	0.40	YES	
L0007248	0	0.51736E-05	653143.7	4191122.6	8.0	1.83	3.39	0.40	YES	
L0007249	0	0.51736E-05	653143.5	4191129.9	8.0	1.83	3.39	0.40	YES	
L0007250	0	0.51736E-05	653143.3	4191137.2	8.0	1.83	3.39	0.40	YES	
L0007251	0	0.51736E-05	653143.2	4191144.5	8.0	1.83	3.39	0.40	YES	
L0007252	0	0.51736E-05	653143.0	4191151.8	8.0	1.83	3.39	0.40	YES	
L0007253	0	0.51736E-05	653142.8	4191159.1	8.0	1.83	3.39	0.40	YES	
L0007254	0	0.51736E-05	653142.6	4191166.4	8.0	1.83	3.39	0.40	YES	
L0007255	0	0.51736E-05	653142.4	4191173.7	8.0	1.83	3.39	0.40	YES	
L0007256	0	0.51736E-05	653142.2	4191181.0	8.0	1.83	3.39	0.40	YES	
L0007257	0	0.51736E-05	653142.0	4191188.2	8.0	1.83	3.39	0.40	YES	
L0007258	0	0.51736E-05	653141.8	4191195.5	8.0	1.83	3.39	0.40	YES	
L0007259	0	0.51736E-05	653141.6	4191202.8	8.0	1.83	3.39	0.40	YES	
L0007260	0	0.51736E-05	653141.4	4191210.1	8.0	1.83	3.39	0.40	YES	
L0007261	0	0.51736E-05	653141.2	4191217.4	8.0	1.83	3.39	0.40	YES	
L0007262	0	0.34655E-05	653483.8	4190518.0	8.0	1.83	3.39	0.40	YES	
L0007263	0	0.34655E-05	653476.5	4190517.8	8.0	1.83	3.39	0.40	YES	
L0007264	0	0.34655E-05	653469.2	4190517.7	8.0	1.83	3.39	0.40	YES	
L0007265	0	0.34655E-05	653461.9	4190517.5	8.0	1.83	3.39	0.40	YES	
L0007266	0	0.34655E-05	653454.7	4190517.3	8.0	1.83	3.39	0.40	YES	
L0007267	0	0.34655E-05	653447.4	4190517.2	8.0	1.83	3.39	0.40	YES	
L0007268	0	0.34655E-05	653440.1	4190517.0	8.0	1.83	3.39	0.40	YES	
L0007269	0	0.34655E-05	653432.8	4190516.9	8.0	1.83	3.39	0.40	YES	

L0007270	0	0.34655E-05	653425.5	4190516.7	8.0	1.83	3.39	0.40	YES
L0007271	0	0.34655E-05	653418.2	4190516.6	8.0	1.83	3.39	0.40	YES
L0007272	0	0.34655E-05	653410.9	4190516.4	8.0	1.83	3.39	0.40	YES
L0007273	0	0.34655E-05	653403.7	4190516.3	8.0	1.83	3.39	0.40	YES
L0007274	0	0.34655E-05	653396.4	4190516.1	8.0	1.83	3.39	0.40	YES
L0007275	0	0.34655E-05	653389.1	4190516.0	8.0	1.83	3.39	0.40	YES
L0007276	0	0.34655E-05	653381.8	4190515.8	8.0	1.83	3.39	0.40	YES
L0007277	0	0.34655E-05	653374.5	4190515.7	8.0	1.83	3.39	0.40	YES

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007278	0	0.34655E-05	653367.2	4190515.5	8.0	1.83	3.39	0.40	YES	
L0007279	0	0.34655E-05	653359.9	4190515.3	8.0	1.83	3.39	0.40	YES	
L0007280	0	0.34655E-05	653352.7	4190515.2	8.0	1.83	3.39	0.40	YES	
L0007281	0	0.34655E-05	653345.4	4190515.0	8.0	1.83	3.39	0.40	YES	
L0007282	0	0.34655E-05	653338.1	4190514.9	8.0	1.83	3.39	0.40	YES	
L0007283	0	0.34655E-05	653330.8	4190514.7	8.0	1.83	3.39	0.40	YES	
L0007284	0	0.34655E-05	653323.5	4190514.6	8.0	1.83	3.39	0.40	YES	
L0007285	0	0.34655E-05	653316.2	4190514.4	8.0	1.83	3.39	0.40	YES	
L0007286	0	0.34655E-05	653308.9	4190514.3	8.0	1.83	3.39	0.40	YES	
L0007287	0	0.34655E-05	653301.7	4190514.1	8.0	1.83	3.39	0.40	YES	
L0007288	0	0.34655E-05	653294.4	4190514.0	8.0	1.83	3.39	0.40	YES	
L0007289	0	0.34655E-05	653287.1	4190513.8	8.0	1.83	3.39	0.40	YES	
L0007290	0	0.34655E-05	653279.8	4190513.7	8.0	1.83	3.39	0.40	YES	
L0007291	0	0.34655E-05	653272.5	4190513.5	8.0	1.83	3.39	0.40	YES	
L0007292	0	0.34655E-05	653265.2	4190513.3	8.0	1.83	3.39	0.40	YES	
L0007293	0	0.34655E-05	653257.9	4190513.2	8.0	1.83	3.39	0.40	YES	
L0007294	0	0.34655E-05	653250.7	4190513.0	8.0	1.83	3.39	0.40	YES	
L0007295	0	0.34655E-05	653243.4	4190512.9	8.0	1.83	3.39	0.40	YES	
L0007296	0	0.34655E-05	653236.1	4190512.7	8.0	1.83	3.39	0.40	YES	
L0007297	0	0.34655E-05	653228.8	4190512.6	8.0	1.83	3.39	0.40	YES	
L0007298	0	0.34655E-05	653221.5	4190512.4	8.0	1.83	3.39	0.40	YES	
L0007299	0	0.34655E-05	653214.2	4190512.3	8.0	1.83	3.39	0.40	YES	
L0007300	0	0.34655E-05	653207.0	4190512.1	8.0	1.83	3.39	0.40	YES	
L0007301	0	0.34655E-05	653199.7	4190512.0	8.0	1.83	3.39	0.40	YES	
L0007302	0	0.34655E-05	653192.4	4190511.8	8.0	1.83	3.39	0.40	YES	
L0007303	0	0.34655E-05	653185.1	4190511.7	8.0	1.83	3.39	0.40	YES	
L0007304	0	0.34655E-05	653177.8	4190511.5	8.0	1.83	3.39	0.40	YES	
L0007305	0	0.34655E-05	653170.5	4190511.3	8.0	1.83	3.39	0.40	YES	
L0007306	0	0.34655E-05	653163.2	4190511.2	8.0	1.83	3.39	0.40	YES	
L0007307	0	0.34655E-05	653156.0	4190511.0	8.0	1.83	3.39	0.40	YES	
L0007308	0	0.34655E-05	653154.4	4190505.6	8.0	1.83	3.36	0.40	YES	
L0007309	0	0.34655E-05	653154.7	4190498.4	8.0	1.83	3.36	0.40	YES	
L0007310	0	0.34655E-05	653155.0	4190491.2	8.0	1.83	3.36	0.40	YES	
L0007311	0	0.34655E-05	653155.3	4190484.0	8.0	1.83	3.36	0.40	YES	
L0007312	0	0.34655E-05	653155.6	4190476.8	8.0	1.83	3.36	0.40	YES	
L0007313	0	0.34655E-05	653155.9	4190469.6	8.0	1.83	3.36	0.40	YES	
L0007314	0	0.34655E-05	653156.2	4190462.4	8.0	1.83	3.36	0.40	YES	
L0007315	0	0.34655E-05	653156.5	4190455.2	8.0	1.83	3.36	0.40	YES	
L0007316	0	0.34655E-05	653156.8	4190448.0	8.0	1.83	3.36	0.40	YES	
L0007317	0	0.34655E-05	653157.1	4190440.8	8.0	1.83	3.36	0.40	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007318	0	0.34655E-05	653157.4	4190433.5	8.0	1.83	3.36	0.40	YES	
L0007319	0	0.34655E-05	653157.8	4190426.3	8.0	1.83	3.36	0.40	YES	
L0007320	0	0.34655E-05	653158.1	4190419.1	8.0	1.83	3.36	0.40	YES	
L0007321	0	0.34655E-05	653158.4	4190411.9	8.0	1.83	3.36	0.40	YES	
L0007322	0	0.34655E-05	653158.7	4190404.7	8.0	1.83	3.36	0.40	YES	
L0007323	0	0.34655E-05	653159.0	4190397.5	8.0	1.83	3.36	0.40	YES	
L0007324	0	0.34655E-05	653159.3	4190390.3	8.0	1.83	3.36	0.40	YES	
L0007325	0	0.34655E-05	653159.6	4190383.1	8.0	1.83	3.36	0.40	YES	
L0007326	0	0.34655E-05	653159.9	4190375.9	8.0	1.83	3.36	0.40	YES	
L0007327	0	0.34655E-05	653160.2	4190368.7	8.0	1.83	3.36	0.40	YES	
L0007328	0	0.34655E-05	653160.5	4190361.5	8.0	1.83	3.36	0.40	YES	
L0007329	0	0.34655E-05	653160.8	4190354.3	8.0	1.83	3.36	0.40	YES	
L0007330	0	0.34655E-05	653161.2	4190347.1	8.0	1.83	3.36	0.40	YES	
L0007331	0	0.34655E-05	653161.5	4190339.9	8.0	1.83	3.36	0.40	YES	
L0007332	0	0.34655E-05	653161.8	4190332.6	8.0	1.83	3.36	0.40	YES	
L0007333	0	0.34655E-05	653162.1	4190325.4	8.0	1.83	3.36	0.40	YES	
L0007334	0	0.34655E-05	653162.4	4190318.2	8.0	1.83	3.36	0.40	YES	
L0007335	0	0.34655E-05	653162.7	4190311.0	8.0	1.83	3.36	0.40	YES	
L0007336	0	0.34655E-05	653163.0	4190303.8	8.0	1.83	3.36	0.40	YES	
L0007337	0	0.34655E-05	653163.3	4190296.6	8.0	1.83	3.36	0.40	YES	
L0007338	0	0.34655E-05	653163.6	4190289.4	8.0	1.83	3.36	0.40	YES	
L0007339	0	0.34655E-05	653163.9	4190282.2	8.0	1.83	3.36	0.40	YES	
L0007340	0	0.34655E-05	653164.2	4190275.0	8.0	1.83	3.36	0.40	YES	
L0007341	0	0.34655E-05	653164.6	4190267.8	8.0	1.83	3.36	0.40	YES	
L0007342	0	0.34655E-05	653164.9	4190260.6	8.0	1.83	3.36	0.40	YES	
L0007343	0	0.34655E-05	653165.2	4190253.4	8.0	1.83	3.36	0.40	YES	
L0007344	0	0.34655E-05	653165.5	4190246.2	8.0	1.83	3.36	0.40	YES	
L0007345	0	0.34655E-05	653165.8	4190239.0	8.0	1.83	3.36	0.40	YES	
L0007346	0	0.34655E-05	653166.1	4190231.7	8.0	1.83	3.36	0.40	YES	
L0007347	0	0.34655E-05	653166.4	4190224.5	8.0	1.83	3.36	0.40	YES	

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L0007348	0	0.34655E-05	653166.7	4190217.3	8.0	1.83	3.36	0.40	YES	
L0007349	0	0.34655E-05	653167.0	4190210.1	8.0	1.83	3.36	0.40	YES	
L0007350	0	0.34655E-05	653167.3	4190202.9	8.0	1.83	3.36	0.40	YES	
L0007351	0	0.34655E-05	653167.6	4190195.7	8.0	1.83	3.36	0.40	YES	
L0007352	0	0.34655E-05	653167.9	4190188.5	8.0	1.83	3.36	0.40	YES	
L0007353	0	0.34655E-05	653168.3	4190181.3	8.0	1.83	3.36	0.40	YES	
L0007354	0	0.34655E-05	653168.6	4190174.1	8.0	1.83	3.36	0.40	YES	
L0007355	0	0.34655E-05	653168.9	4190166.9	8.0	1.83	3.36	0.40	YES	
L0007356	0	0.34655E-05	653169.2	4190159.7	8.0	1.83	3.36	0.40	YES	
L0007357	0	0.34655E-05	653169.5	4190152.5	8.0	1.83	3.36	0.40	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007358	0	0.34655E-05	653169.8	4190145.3	8.0	1.83	3.36	0.40	YES	
L0007359	0	0.34655E-05	653170.1	4190138.1	8.0	1.83	3.36	0.40	YES	
L0007360	0	0.34655E-05	653170.4	4190130.8	8.0	1.83	3.36	0.40	YES	
L0007361	0	0.34655E-05	653170.7	4190123.6	8.0	1.83	3.36	0.40	YES	
L0007362	0	0.34655E-05	653171.0	4190116.4	8.0	1.83	3.36	0.40	YES	
L0007363	0	0.34655E-05	653171.3	4190109.2	8.0	1.83	3.36	0.40	YES	
L0007364	0	0.34655E-05	653171.7	4190102.0	8.0	1.83	3.36	0.40	YES	
L0007365	0	0.34655E-05	653172.0	4190094.8	8.0	1.83	3.36	0.40	YES	
L0007366	0	0.34655E-05	653172.3	4190087.6	8.0	1.83	3.36	0.40	YES	
L0007367	0	0.34655E-05	653172.6	4190080.4	8.0	1.83	3.36	0.40	YES	
L0007368	0	0.34655E-05	653172.9	4190073.2	8.0	1.83	3.36	0.40	YES	
L0007369	0	0.34655E-05	653173.2	4190066.0	8.0	1.83	3.36	0.40	YES	
L0007370	0	0.34655E-05	653173.5	4190058.8	8.0	1.83	3.36	0.40	YES	
L0007371	0	0.34655E-05	653173.8	4190051.6	8.0	1.83	3.36	0.40	YES	
L0007372	0	0.34655E-05	653174.1	4190044.4	8.0	1.83	3.36	0.40	YES	
L0007373	0	0.34655E-05	653174.4	4190037.2	8.0	1.83	3.36	0.40	YES	
L0007374	0	0.34655E-05	653174.7	4190029.9	8.0	1.83	3.36	0.40	YES	
L0007375	0	0.34655E-05	653175.1	4190022.7	8.0	1.83	3.36	0.40	YES	
L0007376	0	0.34655E-05	653175.4	4190015.5	8.0	1.83	3.36	0.40	YES	
L0007377	0	0.34655E-05	653175.7	4190008.3	8.0	1.83	3.36	0.40	YES	
L0007378	0	0.55000E-06	653553.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007379	0	0.55000E-06	653546.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007380	0	0.55000E-06	653538.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007381	0	0.55000E-06	653531.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007382	0	0.55000E-06	653524.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007383	0	0.55000E-06	653517.3	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007384	0	0.55000E-06	653510.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007385	0	0.55000E-06	653502.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007386	0	0.55000E-06	653495.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007387	0	0.55000E-06	653488.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007388	0	0.55000E-06	653481.3	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007389	0	0.55000E-06	653474.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007390	0	0.55000E-06	653466.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007391	0	0.55000E-06	653459.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007392	0	0.55000E-06	653452.5	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007393	0	0.55000E-06	653445.3	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007394	0	0.55000E-06	653438.1	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007395	0	0.55000E-06	653430.9	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007396	0	0.55000E-06	653423.7	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007397	0	0.55000E-06	653416.5	4189223.5	8.0	1.83	3.35	0.40	YES	

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L0007398	0	0.55000E-06	653409.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007399	0	0.55000E-06	653402.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007400	0	0.55000E-06	653394.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007401	0	0.55000E-06	653387.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007402	0	0.55000E-06	653380.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007403	0	0.55000E-06	653373.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007404	0	0.55000E-06	653366.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007405	0	0.55000E-06	653358.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007406	0	0.55000E-06	653351.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007407	0	0.55000E-06	653344.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007408	0	0.55000E-06	653337.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007409	0	0.55000E-06	653330.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007410	0	0.55000E-06	653322.8	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007411	0	0.55000E-06	653315.6	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007412	0	0.55000E-06	653308.4	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007413	0	0.55000E-06	653301.2	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007414	0	0.55000E-06	653294.0	4189223.5	8.0	1.83	3.35	0.40	YES	
L0007415	0	0.55000E-06	653291.9	4189228.9	8.0	1.83	3.36	0.40	YES	
L0007416	0	0.55000E-06	653291.6	4189236.1	8.0	1.83	3.36	0.40	YES	
L0007417	0	0.55000E-06	653291.3	4189243.3	8.0	1.83	3.36	0.40	YES	
L0007418	0	0.55000E-06	653291.0	4189250.5	8.0	1.83	3.36	0.40	YES	
L0007419	0	0.55000E-06	653290.7	4189257.8	8.0	1.83	3.36	0.40	YES	
L0007420	0	0.55000E-06	653290.4	4189265.0	8.0	1.83	3.36	0.40	YES	
L0007421	0	0.55000E-06	653290.1	4189272.2	8.0	1.83	3.36	0.40	YES	
L0007422	0	0.55000E-06	653289.8	4189279.4	8.0	1.83	3.36	0.40	YES	
L0007423	0	0.55000E-06	653289.4	4189286.6	8.0	1.83	3.36	0.40	YES	
L0007424	0	0.55000E-06	653289.1	4189293.9	8.0	1.83	3.36	0.40	YES	
L0007425	0	0.55000E-06	653288.8	4189301.1	8.0	1.83	3.36	0.40	YES	

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007426	0	0.55000E-06	653288.5	4189308.3	8.0	1.83	3.36	0.40	YES	
L0007427	0	0.55000E-06	653288.2	4189315.5	8.0	1.83	3.36	0.40	YES	
L0007428	0	0.55000E-06	653287.9	4189322.7	8.0	1.83	3.36	0.40	YES	
L0007429	0	0.55000E-06	653287.6	4189329.9	8.0	1.83	3.36	0.40	YES	
L0007430	0	0.55000E-06	653287.3	4189337.2	8.0	1.83	3.36	0.40	YES	
L0007431	0	0.55000E-06	653287.0	4189344.4	8.0	1.83	3.36	0.40	YES	
L0007432	0	0.55000E-06	653286.7	4189351.6	8.0	1.83	3.36	0.40	YES	
L0007433	0	0.55000E-06	653286.4	4189358.8	8.0	1.83	3.36	0.40	YES	
L0007434	0	0.55000E-06	653286.1	4189366.0	8.0	1.83	3.36	0.40	YES	
L0007435	0	0.55000E-06	653285.8	4189373.2	8.0	1.83	3.36	0.40	YES	
L0007436	0	0.55000E-06	653285.5	4189380.5	8.0	1.83	3.36	0.40	YES	
L0007437	0	0.55000E-06	653285.2	4189387.7	8.0	1.83	3.36	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007438	0	0.55000E-06	653284.9	4189394.9	8.0	1.83	3.36	0.40	YES	
L0007439	0	0.55000E-06	653284.6	4189402.1	8.0	1.83	3.36	0.40	YES	
L0007440	0	0.55000E-06	653284.2	4189409.3	8.0	1.83	3.36	0.40	YES	
L0007441	0	0.55000E-06	653283.9	4189416.6	8.0	1.83	3.36	0.40	YES	
L0007442	0	0.55000E-06	653283.6	4189423.8	8.0	1.83	3.36	0.40	YES	
L0007443	0	0.55000E-06	653283.3	4189431.0	8.0	1.83	3.36	0.40	YES	
L0007444	0	0.55000E-06	653283.0	4189438.2	8.0	1.83	3.36	0.40	YES	
L0007445	0	0.55000E-06	653282.7	4189445.4	8.0	1.83	3.36	0.40	YES	
L0007446	0	0.55000E-06	653282.4	4189452.6	8.0	1.83	3.36	0.40	YES	
L0007447	0	0.55000E-06	653282.1	4189459.9	8.0	1.83	3.36	0.40	YES	
L0007448	0	0.55000E-06	653281.8	4189467.1	8.0	1.83	3.36	0.40	YES	
L0007449	0	0.55000E-06	653281.5	4189474.3	8.0	1.83	3.36	0.40	YES	
L0007450	0	0.55000E-06	653281.2	4189481.5	8.0	1.83	3.36	0.40	YES	
L0007451	0	0.55000E-06	653280.9	4189488.7	8.0	1.83	3.36	0.40	YES	
L0007452	0	0.55000E-06	653280.6	4189496.0	8.0	1.83	3.36	0.40	YES	
L0007453	0	0.55000E-06	653280.3	4189503.2	8.0	1.83	3.36	0.40	YES	
L0007454	0	0.16630E-05	653588.9	4188314.5	8.0	1.83	3.25	0.40	YES	
L0007455	0	0.16630E-05	653581.9	4188314.3	8.0	1.83	3.25	0.40	YES	
L0007456	0	0.16630E-05	653575.0	4188314.1	8.0	1.83	3.25	0.40	YES	
L0007457	0	0.16630E-05	653568.0	4188313.9	8.0	1.83	3.25	0.40	YES	
L0007458	0	0.16630E-05	653561.0	4188313.8	8.0	1.83	3.25	0.40	YES	
L0007459	0	0.16630E-05	653554.0	4188313.6	8.0	1.83	3.25	0.40	YES	
L0007460	0	0.16630E-05	653547.0	4188313.4	8.0	1.83	3.25	0.40	YES	
L0007461	0	0.16630E-05	653540.0	4188313.2	8.0	1.83	3.25	0.40	YES	
L0007462	0	0.16630E-05	653533.0	4188313.0	8.0	1.83	3.25	0.40	YES	
L0007463	0	0.16630E-05	653526.1	4188312.9	8.0	1.83	3.25	0.40	YES	
L0007464	0	0.16630E-05	653519.1	4188312.7	8.0	1.83	3.25	0.40	YES	
L0007465	0	0.16630E-05	653512.1	4188312.5	8.0	1.83	3.25	0.40	YES	
L0007466	0	0.16630E-05	653505.1	4188312.3	8.0	1.83	3.25	0.40	YES	
L0007467	0	0.16630E-05	653498.1	4188312.2	8.0	1.83	3.25	0.40	YES	
L0007468	0	0.16630E-05	653491.1	4188312.0	8.0	1.83	3.25	0.40	YES	
L0007469	0	0.16630E-05	653484.2	4188311.8	8.0	1.83	3.25	0.40	YES	
L0007470	0	0.16630E-05	653477.2	4188311.6	8.0	1.83	3.25	0.40	YES	
L0007471	0	0.16630E-05	653470.2	4188311.5	8.0	1.83	3.25	0.40	YES	
L0007472	0	0.16630E-05	653463.2	4188311.3	8.0	1.83	3.25	0.40	YES	
L0007473	0	0.16630E-05	653461.0	4188316.5	8.0	1.83	3.32	0.40	YES	
L0007474	0	0.16630E-05	653460.6	4188323.7	8.0	1.83	3.32	0.40	YES	
L0007475	0	0.16630E-05	653460.1	4188330.8	8.0	1.83	3.32	0.40	YES	
L0007476	0	0.16630E-05	653459.6	4188337.9	8.0	1.83	3.32	0.40	YES	
L0007477	0	0.16630E-05	653459.2	4188345.0	8.0	1.83	3.32	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007478	0	0.16630E-05	653458.7	4188352.1	8.0	1.83	3.32	0.40	YES	
L0007479	0	0.16630E-05	653458.3	4188359.2	8.0	1.83	3.32	0.40	YES	
L0007480	0	0.16630E-05	653457.8	4188366.3	8.0	1.83	3.32	0.40	YES	
L0007481	0	0.16630E-05	653457.3	4188373.5	8.0	1.83	3.32	0.40	YES	
L0007482	0	0.16630E-05	653456.9	4188380.6	8.0	1.83	3.32	0.40	YES	
L0007483	0	0.16630E-05	653456.4	4188387.7	8.0	1.83	3.32	0.40	YES	
L0007484	0	0.16630E-05	653455.9	4188394.8	8.0	1.83	3.32	0.40	YES	
L0007485	0	0.16630E-05	653455.5	4188401.9	8.0	1.83	3.32	0.40	YES	
L0007486	0	0.16630E-05	653455.0	4188409.0	8.0	1.83	3.32	0.40	YES	
L0007487	0	0.16630E-05	653454.6	4188416.1	8.0	1.83	3.32	0.40	YES	
L0007488	0	0.16630E-05	653454.1	4188423.3	8.0	1.83	3.32	0.40	YES	
L0007489	0	0.16630E-05	653453.6	4188430.4	8.0	1.83	3.32	0.40	YES	
L0007490	0	0.16630E-05	653453.2	4188437.5	8.0	1.83	3.32	0.40	YES	
L0007491	0	0.16630E-05	653452.7	4188444.6	8.0	1.83	3.32	0.40	YES	
L0007492	0	0.16630E-05	653452.2	4188451.7	8.0	1.83	3.32	0.40	YES	
L0007493	0	0.16630E-05	653451.8	4188458.8	8.0	1.83	3.32	0.40	YES	
L0007494	0	0.16630E-05	653451.3	4188465.9	8.0	1.83	3.32	0.40	YES	
L0007495	0	0.16630E-05	653450.9	4188473.1	8.0	1.83	3.32	0.40	YES	
L0007496	0	0.16630E-05	653450.4	4188480.2	8.0	1.83	3.32	0.40	YES	
L0007497	0	0.16630E-05	653449.9	4188487.3	8.0	1.83	3.32	0.40	YES	
L0007498	0	0.16630E-05	653449.5	4188494.4	8.0	1.83	3.32	0.40	YES	
L0007499	0	0.16630E-05	653449.0	4188501.5	8.0	1.83	3.32	0.40	YES	
L0007500	0	0.16630E-05	653448.5	4188508.6	8.0	1.83	3.32	0.40	YES	
L0007501	0	0.16630E-05	653448.1	4188515.7	8.0	1.83	3.32	0.40	YES	
L0007502	0	0.16630E-05	653447.6	4188522.9	8.0	1.83	3.32	0.40	YES	
L0007503	0	0.16630E-05	653447.2	4188530.0	8.0	1.83	3.32	0.40	YES	

L0007504	0	0.16630E-05	653446.7	4188537.1	8.0	1.83	3.32	0.40	YES
L0007505	0	0.16630E-05	653446.2	4188544.2	8.0	1.83	3.32	0.40	YES
L0007506	0	0.16630E-05	653445.8	4188551.3	8.0	1.83	3.32	0.40	YES
L0007507	0	0.16630E-05	653445.3	4188558.4	8.0	1.83	3.32	0.40	YES
L0007508	0	0.38462E-06	653588.9	4188311.3	8.0	1.83	3.34	0.40	YES
L0007509	0	0.38462E-06	653581.7	4188311.5	8.0	1.83	3.34	0.40	YES
L0007510	0	0.38462E-06	653574.6	4188311.7	8.0	1.83	3.34	0.40	YES
L0007511	0	0.38462E-06	653567.4	4188311.9	8.0	1.83	3.34	0.40	YES
L0007512	0	0.38462E-06	653560.2	4188312.2	8.0	1.83	3.34	0.40	YES
L0007513	0	0.38462E-06	653553.0	4188312.4	8.0	1.83	3.34	0.40	YES
L0007514	0	0.38462E-06	653545.8	4188312.6	8.0	1.83	3.34	0.40	YES
L0007515	0	0.38462E-06	653538.7	4188312.8	8.0	1.83	3.34	0.40	YES
L0007516	0	0.38462E-06	653531.5	4188313.0	8.0	1.83	3.34	0.40	YES
L0007517	0	0.38462E-06	653524.3	4188313.2	8.0	1.83	3.34	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007518	0	0.38462E-06	653517.1	4188313.4	8.0	1.83	3.34	0.40	YES	
L0007519	0	0.38462E-06	653509.9	4188313.7	8.0	1.83	3.34	0.40	YES	
L0007520	0	0.38462E-06	653502.8	4188313.9	8.0	1.83	3.34	0.40	YES	
L0007521	0	0.38462E-06	653495.6	4188314.1	8.0	1.83	3.34	0.40	YES	
L0007522	0	0.38462E-06	653488.4	4188314.3	8.0	1.83	3.34	0.40	YES	
L0007523	0	0.38462E-06	653481.2	4188314.5	8.0	1.83	3.34	0.40	YES	
L0007524	0	0.38462E-06	653474.0	4188314.7	8.0	1.83	3.34	0.40	YES	
L0007525	0	0.38462E-06	653466.9	4188314.9	8.0	1.83	3.34	0.40	YES	
L0007526	0	0.38462E-06	653459.7	4188315.2	8.0	1.83	3.34	0.40	YES	
L0007527	0	0.38462E-06	653452.5	4188315.4	8.0	1.83	3.34	0.40	YES	
L0007528	0	0.38462E-06	653445.3	4188315.6	8.0	1.83	3.34	0.40	YES	
L0007529	0	0.38462E-06	653438.1	4188315.8	8.0	1.83	3.34	0.40	YES	
L0007530	0	0.38462E-06	653431.0	4188316.0	8.0	1.83	3.34	0.40	YES	
L0007531	0	0.38462E-06	653423.8	4188316.2	8.0	1.83	3.34	0.40	YES	
L0007532	0	0.38462E-06	653416.6	4188316.4	8.0	1.83	3.34	0.40	YES	
L0007533	0	0.38462E-06	653409.4	4188316.7	8.0	1.83	3.34	0.40	YES	
L0007534	0	0.38462E-06	653402.2	4188316.9	8.0	1.83	3.34	0.40	YES	
L0007535	0	0.38462E-06	653395.1	4188317.1	8.0	1.83	3.34	0.40	YES	
L0007536	0	0.38462E-06	653387.9	4188317.3	8.0	1.83	3.34	0.40	YES	
L0007537	0	0.38462E-06	653380.7	4188317.5	8.0	1.83	3.34	0.40	YES	
L0007538	0	0.38462E-06	653373.5	4188317.7	8.0	1.83	3.34	0.40	YES	
L0007539	0	0.38462E-06	653366.3	4188317.9	8.0	1.83	3.34	0.40	YES	
L0007540	0	0.38462E-06	653359.2	4188318.2	8.0	1.83	3.34	0.40	YES	
L0007541	0	0.38462E-06	653352.0	4188318.4	8.0	1.83	3.34	0.40	YES	
L0007542	0	0.38462E-06	653344.8	4188318.6	8.0	1.83	3.34	0.40	YES	
L0007543	0	0.38462E-06	653337.6	4188318.8	8.0	1.83	3.34	0.40	YES	
L0007544	0	0.38462E-06	653330.4	4188319.0	8.0	1.83	3.34	0.40	YES	
L0007545	0	0.38462E-06	653323.3	4188319.2	8.0	1.83	3.34	0.40	YES	
L0007546	0	0.38462E-06	653316.1	4188319.4	8.0	1.83	3.34	0.40	YES	
L0007547	0	0.38462E-06	653308.9	4188319.7	8.0	1.83	3.34	0.40	YES	
L0007548	0	0.38462E-06	653301.7	4188319.9	8.0	1.83	3.34	0.40	YES	
L0007549	0	0.38462E-06	653294.5	4188320.1	8.0	1.83	3.34	0.40	YES	
L0007550	0	0.38462E-06	653287.4	4188320.3	8.0	1.83	3.34	0.40	YES	
L0007551	0	0.38462E-06	653280.2	4188320.5	8.0	1.83	3.34	0.40	YES	
L0007552	0	0.38462E-06	653273.0	4188320.7	8.0	1.83	3.34	0.40	YES	
L0007553	0	0.38462E-06	653265.8	4188320.9	8.0	1.83	3.34	0.40	YES	
L0007554	0	0.38462E-06	653263.8	4188326.4	8.0	1.83	3.38	0.40	YES	
L0007555	0	0.38462E-06	653263.6	4188333.7	8.0	1.83	3.38	0.40	YES	
L0007556	0	0.38462E-06	653263.4	4188341.0	8.0	1.83	3.38	0.40	YES	
L0007557	0	0.38462E-06	653263.2	4188348.3	8.0	1.83	3.38	0.40	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007558	0	0.38462E-06	653263.0	4188355.5	8.0	1.83	3.38	0.40	YES	
L0007559	0	0.38462E-06	653262.8	4188362.8	8.0	1.83	3.38	0.40	YES	
L0007560	0	0.38462E-06	653262.6	4188370.1	8.0	1.83	3.38	0.40	YES	
L0007561	0	0.38462E-06	653262.4	4188377.4	8.0	1.83	3.38	0.40	YES	
L0007562	0	0.38462E-06	653262.2	4188384.6	8.0	1.83	3.38	0.40	YES	
L0007563	0	0.38462E-06	653262.0	4188391.9	8.0	1.83	3.38	0.40	YES	
L0007564	0	0.38462E-06	653261.8	4188399.2	8.0	1.83	3.38	0.40	YES	
L0007565	0	0.38462E-06	653261.6	4188406.5	8.0	1.83	3.38	0.40	YES	
L0007566	0	0.38462E-06	653261.4	4188413.7	8.0	1.83	3.38	0.40	YES	
L0007567	0	0.38462E-06	653261.2	4188421.0	8.0	1.83	3.38	0.40	YES	
L0007568	0	0.38462E-06	653261.0	4188428.3	8.0	1.83	3.38	0.40	YES	
L0007569	0	0.38462E-06	653260.8	4188435.5	8.0	1.83	3.38	0.40	YES	
L0007570	0	0.38462E-06	653260.6	4188442.8	8.0	1.83	3.38	0.40	YES	
L0007571	0	0.38462E-06	653260.4	4188450.1	8.0	1.83	3.38	0.40	YES	
L0007572	0	0.38462E-06	653260.2	4188457.4	8.0	1.83	3.38	0.40	YES	
L0007573	0	0.38462E-06	653260.0	4188464.6	8.0	1.83	3.38	0.40	YES	
L0007574	0	0.38462E-06	653259.8	4188471.9	8.0	1.83	3.38	0.40	YES	
L0007575	0	0.38462E-06	653259.6	4188479.2	8.0	1.83	3.38	0.40	YES	
L0007576	0	0.38462E-06	653259.4	4188486.5	8.0	1.83	3.38	0.40	YES	
L0007577	0	0.38462E-06	653259.2	4188493.7	8.0	1.83	3.38	0.40	YES	
L0007578	0	0.38462E-06	653259.0	4188501.0	8.0	1.83	3.38	0.40	YES	
L0007579	0	0.38462E-06	653258.8	4188508.3	8.0	1.83	3.38	0.40	YES	
L0007580	0	0.38462E-06	653258.6	4188515.6	8.0	1.83	3.38	0.40	YES	
L0007581	0	0.38462E-06	653258.4	4188522.8	8.0	1.83	3.38	0.40	YES	

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007582	0	0.38462E-06	653258.2	4188530.1	8.0	1.83	3.38	0.40	YES	
L0007583	0	0.38462E-06	653258.0	4188537.4	8.0	1.83	3.38	0.40	YES	
L0007584	0	0.38462E-06	653257.8	4188544.6	8.0	1.83	3.38	0.40	YES	
L0007585	0	0.38462E-06	653257.6	4188551.9	8.0	1.83	3.38	0.40	YES	
L0007586	0	0.78769E-06	653510.4	4189978.0	8.0	1.83	3.36	0.40	YES	
L0007587	0	0.78769E-06	653503.1	4189978.0	8.0	1.83	3.36	0.40	YES	
L0007588	0	0.78769E-06	653495.9	4189978.0	8.0	1.83	3.36	0.40	YES	
L0007589	0	0.78769E-06	653488.7	4189978.0	8.0	1.83	3.36	0.40	YES	
L0007590	0	0.78769E-06	653481.4	4189978.0	8.0	1.83	3.36	0.40	YES	
L0007591	0	0.78769E-06	653474.2	4189978.0	8.0	1.83	3.36	0.40	YES	
L0007592	0	0.78769E-06	653467.0	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007593	0	0.78769E-06	653459.8	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007594	0	0.78769E-06	653452.5	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007595	0	0.78769E-06	653445.3	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007596	0	0.78769E-06	653438.1	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007597	0	0.78769E-06	653430.9	4189977.9	8.0	1.83	3.36	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007598	0	0.78769E-06	653423.6	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007599	0	0.78769E-06	653416.4	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007600	0	0.78769E-06	653409.2	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007601	0	0.78769E-06	653401.9	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007602	0	0.78769E-06	653394.7	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007603	0	0.78769E-06	653387.5	4189977.9	8.0	1.83	3.36	0.40	YES	
L0007604	0	0.78769E-06	653380.3	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007605	0	0.78769E-06	653373.0	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007606	0	0.78769E-06	653365.8	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007607	0	0.78769E-06	653358.6	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007608	0	0.78769E-06	653351.3	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007609	0	0.78769E-06	653344.1	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007610	0	0.78769E-06	653336.9	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007611	0	0.78769E-06	653329.7	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007612	0	0.78769E-06	653322.4	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007613	0	0.78769E-06	653315.2	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007614	0	0.78769E-06	653308.0	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007615	0	0.78769E-06	653300.7	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007616	0	0.78769E-06	653293.5	4189977.8	8.0	1.83	3.36	0.40	YES	
L0007617	0	0.78769E-06	653291.8	4189972.4	8.0	1.83	3.35	0.40	YES	
L0007618	0	0.78769E-06	653292.0	4189965.2	8.0	1.83	3.35	0.40	YES	
L0007619	0	0.78769E-06	653292.2	4189958.0	8.0	1.83	3.35	0.40	YES	
L0007620	0	0.78769E-06	653292.4	4189950.8	8.0	1.83	3.35	0.40	YES	
L0007621	0	0.78769E-06	653292.6	4189943.5	8.0	1.83	3.35	0.40	YES	
L0007622	0	0.78769E-06	653292.7	4189936.3	8.0	1.83	3.35	0.40	YES	
L0007623	0	0.78769E-06	653292.9	4189929.1	8.0	1.83	3.35	0.40	YES	
L0007624	0	0.78769E-06	653293.1	4189921.9	8.0	1.83	3.35	0.40	YES	
L0007625	0	0.78769E-06	653293.3	4189914.7	8.0	1.83	3.35	0.40	YES	
L0007626	0	0.78769E-06	653293.5	4189907.5	8.0	1.83	3.35	0.40	YES	
L0007627	0	0.78769E-06	653293.6	4189900.3	8.0	1.83	3.35	0.40	YES	
L0007628	0	0.78769E-06	653293.8	4189893.1	8.0	1.83	3.35	0.40	YES	
L0007629	0	0.78769E-06	653294.0	4189885.9	8.0	1.83	3.35	0.40	YES	
L0007630	0	0.78769E-06	653294.2	4189878.7	8.0	1.83	3.35	0.40	YES	
L0007631	0	0.78769E-06	653294.4	4189871.5	8.0	1.83	3.35	0.40	YES	
L0007632	0	0.78769E-06	653294.6	4189864.3	8.0	1.83	3.35	0.40	YES	
L0007633	0	0.78769E-06	653294.7	4189857.1	8.0	1.83	3.35	0.40	YES	
L0007634	0	0.78769E-06	653294.9	4189849.9	8.0	1.83	3.35	0.40	YES	
L0007635	0	0.78769E-06	653295.1	4189842.7	8.0	1.83	3.35	0.40	YES	
L0007636	0	0.78769E-06	653295.3	4189835.5	8.0	1.83	3.35	0.40	YES	
L0007637	0	0.78769E-06	653295.5	4189828.3	8.0	1.83	3.35	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007638	0	0.78769E-06	653295.6	4189821.0	8.0	1.83	3.35	0.40	YES	
L0007639	0	0.78769E-06	653295.8	4189813.8	8.0	1.83	3.35	0.40	YES	
L0007640	0	0.78769E-06	653296.0	4189806.6	8.0	1.83	3.35	0.40	YES	
L0007641	0	0.78769E-06	653296.2	4189799.4	8.0	1.83	3.35	0.40	YES	
L0007642	0	0.78769E-06	653296.4	4189792.2	8.0	1.83	3.35	0.40	YES	
L0007643	0	0.78769E-06	653296.6	4189785.0	8.0	1.83	3.35	0.40	YES	
L0007644	0	0.78769E-06	653296.7	4189777.8	8.0	1.83	3.35	0.40	YES	
L0007645	0	0.78769E-06	653296.9	4189770.6	8.0	1.83	3.35	0.40	YES	
L0007646	0	0.78769E-06	653297.1	4189763.4	8.0	1.83	3.35	0.40	YES	
L0007647	0	0.78769E-06	653297.3	4189756.2	8.0	1.83	3.35	0.40	YES	
L0007648	0	0.78769E-06	653297.5	4189749.0	8.0	1.83	3.35	0.40	YES	
L0007649	0	0.78769E-06	653297.6	4189741.8	8.0	1.83	3.35	0.40	YES	
L0007650	0	0.78769E-06	653297.8	4189734.6	8.0	1.83	3.35	0.40	YES	
L0007651	0	0.85918E-06	653508.8	4189977.8	8.0	1.83	3.34	0.40	YES	
L0007652	0	0.85918E-06	653501.6	4189977.8	8.0	1.83	3.34	0.40	YES	
L0007653	0	0.85918E-06	653494.4	4189977.8	8.0	1.83	3.34	0.40	YES	
L0007654	0	0.85918E-06	653487.3	4189977.8	8.0	1.83	3.34	0.40	YES	
L0007655	0	0.85918E-06	653480.1	4189977.9	8.0	1.83	3.34	0.40	YES	
L0007656	0	0.85918E-06	653472.9	4189977.9	8.0	1.83	3.34	0.40	YES	
L0007657	0	0.85918E-06	653465.7	4189977.9	8.0	1.83	3.34	0.40	YES	
L0007658	0	0.85918E-06	653458.5	4189977.9	8.0	1.83	3.34	0.40	YES	
L0007659	0	0.85918E-06	653451.4	4189978.0	8.0	1.83	3.34	0.40	YES	

L0007660	0	0.85918E-06	653444.2	4189978.0	8.0	1.83	3.34	0.40	YES
L0007661	0	0.85918E-06	653437.0	4189978.0	8.0	1.83	3.34	0.40	YES
L0007662	0	0.85918E-06	653429.8	4189978.0	8.0	1.83	3.34	0.40	YES
L0007663	0	0.85918E-06	653422.6	4189978.1	8.0	1.83	3.34	0.40	YES
L0007664	0	0.85918E-06	653415.5	4189978.1	8.0	1.83	3.34	0.40	YES
L0007665	0	0.85918E-06	653408.3	4189978.1	8.0	1.83	3.34	0.40	YES
L0007666	0	0.85918E-06	653401.1	4189978.1	8.0	1.83	3.34	0.40	YES
L0007667	0	0.85918E-06	653393.9	4189978.1	8.0	1.83	3.34	0.40	YES
L0007668	0	0.85918E-06	653386.7	4189978.2	8.0	1.83	3.34	0.40	YES
L0007669	0	0.85918E-06	653379.6	4189978.2	8.0	1.83	3.34	0.40	YES
L0007670	0	0.85918E-06	653372.4	4189978.2	8.0	1.83	3.34	0.40	YES
L0007671	0	0.85918E-06	653365.2	4189978.2	8.0	1.83	3.34	0.40	YES
L0007672	0	0.85918E-06	653358.0	4189978.3	8.0	1.83	3.34	0.40	YES
L0007673	0	0.85918E-06	653350.8	4189978.3	8.0	1.83	3.34	0.40	YES
L0007674	0	0.85918E-06	653343.7	4189978.3	8.0	1.83	3.34	0.40	YES
L0007675	0	0.85918E-06	653336.5	4189978.3	8.0	1.83	3.34	0.40	YES
L0007676	0	0.85918E-06	653329.3	4189978.4	8.0	1.83	3.34	0.40	YES
L0007677	0	0.85918E-06	653322.1	4189978.4	8.0	1.83	3.34	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007678	0	0.85918E-06	653314.9	4189978.4	8.0	1.83	3.34	0.40	YES	
L0007679	0	0.85918E-06	653307.8	4189978.4	8.0	1.83	3.34	0.40	YES	
L0007680	0	0.85918E-06	653300.6	4189978.5	8.0	1.83	3.34	0.40	YES	
L0007681	0	0.85918E-06	653293.4	4189978.5	8.0	1.83	3.34	0.40	YES	
L0007682	0	0.85918E-06	653291.8	4189973.1	8.0	1.83	3.37	0.40	YES	
L0007683	0	0.85918E-06	653292.1	4189965.9	8.0	1.83	3.37	0.40	YES	
L0007684	0	0.85918E-06	653292.4	4189958.6	8.0	1.83	3.37	0.40	YES	
L0007685	0	0.85918E-06	653292.7	4189951.4	8.0	1.83	3.37	0.40	YES	
L0007686	0	0.85918E-06	653293.0	4189944.2	8.0	1.83	3.37	0.40	YES	
L0007687	0	0.85918E-06	653293.3	4189936.9	8.0	1.83	3.37	0.40	YES	
L0007688	0	0.85918E-06	653293.6	4189929.7	8.0	1.83	3.37	0.40	YES	
L0007689	0	0.85918E-06	653293.9	4189922.5	8.0	1.83	3.37	0.40	YES	
L0007690	0	0.85918E-06	653294.2	4189915.2	8.0	1.83	3.37	0.40	YES	
L0007691	0	0.85918E-06	653294.5	4189908.0	8.0	1.83	3.37	0.40	YES	
L0007692	0	0.85918E-06	653294.9	4189900.8	8.0	1.83	3.37	0.40	YES	
L0007693	0	0.85918E-06	653295.2	4189893.6	8.0	1.83	3.37	0.40	YES	
L0007694	0	0.85918E-06	653295.5	4189886.3	8.0	1.83	3.37	0.40	YES	
L0007695	0	0.85918E-06	653295.8	4189879.1	8.0	1.83	3.37	0.40	YES	
L0007696	0	0.85918E-06	653296.1	4189871.9	8.0	1.83	3.37	0.40	YES	
L0007697	0	0.85918E-06	653296.4	4189864.6	8.0	1.83	3.37	0.40	YES	
L0007698	0	0.85918E-06	653296.7	4189857.4	8.0	1.83	3.37	0.40	YES	
L0007699	0	0.85918E-06	653297.0	4189850.2	8.0	1.83	3.37	0.40	YES	
L0007700	0	0.85918E-06	653297.3	4189842.9	8.0	1.83	3.37	0.40	YES	
L0007701	0	0.85918E-06	653297.6	4189835.7	8.0	1.83	3.37	0.40	YES	
L0007702	0	0.85918E-06	653297.9	4189828.5	8.0	1.83	3.37	0.40	YES	
L0007703	0	0.85918E-06	653298.2	4189821.2	8.0	1.83	3.37	0.40	YES	
L0007704	0	0.85918E-06	653298.5	4189814.0	8.0	1.83	3.37	0.40	YES	
L0007705	0	0.85918E-06	653298.8	4189806.8	8.0	1.83	3.37	0.40	YES	
L0007706	0	0.85918E-06	653299.1	4189799.5	8.0	1.83	3.37	0.40	YES	
L0007707	0	0.85918E-06	653299.4	4189792.3	8.0	1.83	3.37	0.40	YES	
L0007708	0	0.85918E-06	653299.7	4189785.1	8.0	1.83	3.37	0.40	YES	
L0007709	0	0.85918E-06	653300.1	4189777.8	8.0	1.83	3.37	0.40	YES	
L0007710	0	0.85918E-06	653300.4	4189770.6	8.0	1.83	3.37	0.40	YES	
L0007711	0	0.85918E-06	653300.7	4189763.4	8.0	1.83	3.37	0.40	YES	
L0007712	0	0.85918E-06	653301.0	4189756.2	8.0	1.83	3.37	0.40	YES	
L0007713	0	0.85918E-06	653301.3	4189748.9	8.0	1.83	3.37	0.40	YES	
L0007714	0	0.85918E-06	653301.6	4189741.7	8.0	1.83	3.37	0.40	YES	
L0007715	0	0.85918E-06	653301.9	4189734.5	8.0	1.83	3.37	0.40	YES	
L0007716	0	0.85918E-06	653302.2	4189727.2	8.0	1.83	3.37	0.40	YES	
L0007717	0	0.85918E-06	653302.5	4189720.0	8.0	1.83	3.37	0.40	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007718	0	0.85918E-06	653302.8	4189712.8	8.0	1.83	3.37	0.40	YES	
L0007719	0	0.85918E-06	653303.1	4189705.5	8.0	1.83	3.37	0.40	YES	
L0007720	0	0.85918E-06	653303.4	4189698.3	8.0	1.83	3.37	0.40	YES	
L0007721	0	0.85918E-06	653303.7	4189691.1	8.0	1.83	3.37	0.40	YES	
L0007722	0	0.85918E-06	653304.0	4189683.8	8.0	1.83	3.37	0.40	YES	
L0007723	0	0.85918E-06	653304.3	4189676.6	8.0	1.83	3.37	0.40	YES	
L0007724	0	0.85918E-06	653304.6	4189669.4	8.0	1.83	3.37	0.40	YES	
L0007725	0	0.85918E-06	653304.9	4189662.1	8.0	1.83	3.37	0.40	YES	
L0007726	0	0.85918E-06	653305.3	4189654.9	8.0	1.83	3.37	0.40	YES	
L0007727	0	0.85918E-06	653305.6	4189647.7	8.0	1.83	3.37	0.40	YES	
L0007728	0	0.85918E-06	653305.9	4189640.5	8.0	1.83	3.37	0.40	YES	
L0007729	0	0.85918E-06	653306.2	4189633.2	8.0	1.83	3.37	0.40	YES	
L0007730	0	0.85918E-06	653306.5	4189626.0	8.0	1.83	3.37	0.40	YES	
L0007731	0	0.85918E-06	653306.8	4189618.8	8.0	1.83	3.37	0.40	YES	
L0007732	0	0.85918E-06	653307.1	4189611.5	8.0	1.83	3.37	0.40	YES	
L0007733	0	0.85918E-06	653307.4	4189604.3	8.0	1.83	3.37	0.40	YES	
L0007734	0	0.85918E-06	653307.7	4189597.1	8.0	1.83	3.37	0.40	YES	
L0007735	0	0.85918E-06	653308.0	4189589.8	8.0	1.83	3.37	0.40	YES	
L0007736	0	0.85918E-06	653308.3	4189582.6	8.0	1.83	3.37	0.40	YES	
L0007737	0	0.85918E-06	653308.6	4189575.4	8.0	1.83	3.37	0.40	YES	

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007738	0	0.85918E-06	653308.9	4189568.1	8.0	1.83	3.37	0.40	YES	
L0007739	0	0.85918E-06	653309.2	4189560.9	8.0	1.83	3.37	0.40	YES	
L0007740	0	0.85918E-06	653309.5	4189553.7	8.0	1.83	3.37	0.40	YES	
L0007741	0	0.85918E-06	653309.8	4189546.4	8.0	1.83	3.37	0.40	YES	
L0007742	0	0.85918E-06	653310.1	4189539.2	8.0	1.83	3.37	0.40	YES	
L0007743	0	0.85918E-06	653310.5	4189532.0	8.0	1.83	3.37	0.40	YES	
L0007744	0	0.85918E-06	653310.8	4189524.8	8.0	1.83	3.37	0.40	YES	
L0007745	0	0.85918E-06	653311.1	4189517.5	8.0	1.83	3.37	0.40	YES	
L0007746	0	0.85918E-06	653311.4	4189510.3	8.0	1.83	3.37	0.40	YES	
L0007747	0	0.85918E-06	653311.7	4189503.1	8.0	1.83	3.37	0.40	YES	
L0007748	0	0.85918E-06	653312.0	4189495.8	8.0	1.83	3.37	0.40	YES	
L0007749	0	0.79524E-06	653557.7	4189224.5	8.0	1.83	3.33	0.40	YES	
L0007750	0	0.79524E-06	653550.5	4189224.4	8.0	1.83	3.33	0.40	YES	
L0007751	0	0.79524E-06	653543.3	4189224.3	8.0	1.83	3.33	0.40	YES	
L0007752	0	0.79524E-06	653536.2	4189224.3	8.0	1.83	3.33	0.40	YES	
L0007753	0	0.79524E-06	653529.0	4189224.2	8.0	1.83	3.33	0.40	YES	
L0007754	0	0.79524E-06	653521.9	4189224.1	8.0	1.83	3.33	0.40	YES	
L0007755	0	0.79524E-06	653514.7	4189224.1	8.0	1.83	3.33	0.40	YES	
L0007756	0	0.79524E-06	653507.5	4189224.0	8.0	1.83	3.33	0.40	YES	
L0007757	0	0.79524E-06	653500.4	4189223.9	8.0	1.83	3.33	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007758	0	0.79524E-06	653493.2	4189223.9	8.0	1.83	3.33	0.40	YES	
L0007759	0	0.79524E-06	653486.0	4189223.8	8.0	1.83	3.33	0.40	YES	
L0007760	0	0.79524E-06	653478.9	4189223.7	8.0	1.83	3.33	0.40	YES	
L0007761	0	0.79524E-06	653471.7	4189223.7	8.0	1.83	3.33	0.40	YES	
L0007762	0	0.79524E-06	653464.5	4189223.6	8.0	1.83	3.33	0.40	YES	
L0007763	0	0.79524E-06	653457.4	4189223.5	8.0	1.83	3.33	0.40	YES	
L0007764	0	0.79524E-06	653450.2	4189223.5	8.0	1.83	3.33	0.40	YES	
L0007765	0	0.79524E-06	653443.1	4189223.4	8.0	1.83	3.33	0.40	YES	
L0007766	0	0.79524E-06	653435.9	4189223.3	8.0	1.83	3.33	0.40	YES	
L0007767	0	0.79524E-06	653428.7	4189223.3	8.0	1.83	3.33	0.40	YES	
L0007768	0	0.79524E-06	653421.6	4189223.2	8.0	1.83	3.33	0.40	YES	
L0007769	0	0.79524E-06	653414.4	4189223.1	8.0	1.83	3.33	0.40	YES	
L0007770	0	0.79524E-06	653407.2	4189223.1	8.0	1.83	3.33	0.40	YES	
L0007771	0	0.79524E-06	653400.1	4189223.0	8.0	1.83	3.33	0.40	YES	
L0007772	0	0.79524E-06	653392.9	4189222.9	8.0	1.83	3.33	0.40	YES	
L0007773	0	0.79524E-06	653385.7	4189222.9	8.0	1.83	3.33	0.40	YES	
L0007774	0	0.79524E-06	653378.6	4189222.8	8.0	1.83	3.33	0.40	YES	
L0007775	0	0.79524E-06	653371.4	4189222.7	8.0	1.83	3.33	0.40	YES	
L0007776	0	0.79524E-06	653364.2	4189222.7	8.0	1.83	3.33	0.40	YES	
L0007777	0	0.79524E-06	653357.1	4189222.6	8.0	1.83	3.33	0.40	YES	
L0007778	0	0.79524E-06	653349.9	4189222.5	8.0	1.83	3.33	0.40	YES	
L0007779	0	0.79524E-06	653342.8	4189222.5	8.0	1.83	3.33	0.40	YES	
L0007780	0	0.79524E-06	653335.6	4189222.4	8.0	1.83	3.33	0.40	YES	
L0007781	0	0.79524E-06	653328.4	4189222.3	8.0	1.83	3.33	0.40	YES	
L0007782	0	0.79524E-06	653321.3	4189222.3	8.0	1.83	3.33	0.40	YES	
L0007783	0	0.79524E-06	653319.3	4189227.6	8.0	1.83	3.33	0.40	YES	
L0007784	0	0.79524E-06	653319.2	4189234.7	8.0	1.83	3.33	0.40	YES	
L0007785	0	0.79524E-06	653319.0	4189241.9	8.0	1.83	3.33	0.40	YES	
L0007786	0	0.79524E-06	653318.9	4189249.0	8.0	1.83	3.33	0.40	YES	
L0007787	0	0.79524E-06	653318.7	4189256.2	8.0	1.83	3.33	0.40	YES	
L0007788	0	0.79524E-06	653318.6	4189263.4	8.0	1.83	3.33	0.40	YES	
L0007789	0	0.79524E-06	653318.4	4189270.5	8.0	1.83	3.33	0.40	YES	
L0007790	0	0.79524E-06	653318.3	4189277.7	8.0	1.83	3.33	0.40	YES	
L0007791	0	0.79524E-06	653318.1	4189284.8	8.0	1.83	3.33	0.40	YES	
L0007792	0	0.79524E-06	653318.0	4189292.0	8.0	1.83	3.33	0.40	YES	
L0007793	0	0.79524E-06	653317.8	4189299.1	8.0	1.83	3.33	0.40	YES	
L0007794	0	0.79524E-06	653317.7	4189306.3	8.0	1.83	3.33	0.40	YES	
L0007795	0	0.79524E-06	653317.5	4189313.4	8.0	1.83	3.33	0.40	YES	
L0007796	0	0.79524E-06	653317.4	4189320.6	8.0	1.83	3.33	0.40	YES	
L0007797	0	0.79524E-06	653317.2	4189327.7	8.0	1.83	3.33	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007798	0	0.79524E-06	653317.1	4189334.9	8.0	1.83	3.33	0.40	YES	
L0007799	0	0.79524E-06	653316.9	4189342.1	8.0	1.83	3.33	0.40	YES	
L0007800	0	0.79524E-06	653316.8	4189349.2	8.0	1.83	3.33	0.40	YES	
L0007801	0	0.79524E-06	653316.6	4189356.4	8.0	1.83	3.33	0.40	YES	
L0007802	0	0.79524E-06	653316.5	4189363.5	8.0	1.83	3.33	0.40	YES	
L0007803	0	0.79524E-06	653316.3	4189370.7	8.0	1.83	3.33	0.40	YES	
L0007804	0	0.79524E-06	653316.2	4189377.8	8.0	1.83	3.33	0.40	YES	
L0007805	0	0.79524E-06	653316.0	4189385.0	8.0	1.83	3.33	0.40	YES	
L0007806	0	0.79524E-06	653315.9	4189392.1	8.0	1.83	3.33	0.40	YES	
L0007807	0	0.79524E-06	653315.7	4189399.3	8.0	1.83	3.33	0.40	YES	
L0007808	0	0.79524E-06	653315.6	4189406.5	8.0	1.83	3.33	0.40	YES	
L0007809	0	0.79524E-06	653315.4	4189413.6	8.0	1.83	3.33	0.40	YES	
L0007810	0	0.79524E-06	653315.3	4189420.8	8.0	1.83	3.33	0.40	YES	
L0007811	0	0.79524E-06	653315.1	4189427.9	8.0	1.83	3.33	0.40	YES	
L0007812	0	0.83889E-06	653560.0	4189224.0	8.0	1.83	3.23	0.40	YES	
L0007813	0	0.83889E-06	653553.1	4189224.0	8.0	1.83	3.23	0.40	YES	
L0007814	0	0.83889E-06	653546.2	4189223.9	8.0	1.83	3.23	0.40	YES	
L0007815	0	0.83889E-06	653539.2	4189223.9	8.0	1.83	3.23	0.40	YES	

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L0007816	0	0.83889E-06	653532.3	4189223.9	8.0	1.83	3.23	0.40	YES	
L0007817	0	0.83889E-06	653525.4	4189223.8	8.0	1.83	3.23	0.40	YES	
L0007818	0	0.83889E-06	653518.4	4189223.8	8.0	1.83	3.23	0.40	YES	
L0007819	0	0.83889E-06	653511.5	4189223.8	8.0	1.83	3.23	0.40	YES	
L0007820	0	0.83889E-06	653504.6	4189223.7	8.0	1.83	3.23	0.40	YES	
L0007821	0	0.83889E-06	653497.6	4189223.7	8.0	1.83	3.23	0.40	YES	
L0007822	0	0.83889E-06	653490.7	4189223.7	8.0	1.83	3.23	0.40	YES	
L0007823	0	0.83889E-06	653483.8	4189223.6	8.0	1.83	3.23	0.40	YES	
L0007824	0	0.83889E-06	653476.8	4189223.6	8.0	1.83	3.23	0.40	YES	
L0007825	0	0.83889E-06	653469.9	4189223.6	8.0	1.83	3.23	0.40	YES	
L0007826	0	0.83889E-06	653463.0	4189223.5	8.0	1.83	3.23	0.40	YES	
L0007827	0	0.83889E-06	653456.0	4189223.5	8.0	1.83	3.23	0.40	YES	
L0007828	0	0.83889E-06	653454.4	4189218.2	8.0	1.83	3.33	0.40	YES	
L0007829	0	0.83889E-06	653454.8	4189211.0	8.0	1.83	3.33	0.40	YES	
L0007830	0	0.83889E-06	653455.1	4189203.9	8.0	1.83	3.33	0.40	YES	
L0007831	0	0.83889E-06	653455.5	4189196.7	8.0	1.83	3.33	0.40	YES	
L0007832	0	0.83889E-06	653455.8	4189189.6	8.0	1.83	3.33	0.40	YES	
L0007833	0	0.83889E-06	653456.2	4189182.4	8.0	1.83	3.33	0.40	YES	
L0007834	0	0.83889E-06	653456.5	4189175.3	8.0	1.83	3.33	0.40	YES	
L0007835	0	0.83889E-06	653456.9	4189168.1	8.0	1.83	3.33	0.40	YES	
L0007836	0	0.83889E-06	653457.2	4189161.0	8.0	1.83	3.33	0.40	YES	
L0007837	0	0.83889E-06	653457.6	4189153.8	8.0	1.83	3.33	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007838	0	0.83889E-06	653457.9	4189146.7	8.0	1.83	3.33	0.40	YES	
L0007839	0	0.83889E-06	653458.2	4189139.5	8.0	1.83	3.33	0.40	YES	
L0007840	0	0.83889E-06	653458.6	4189132.4	8.0	1.83	3.33	0.40	YES	
L0007841	0	0.83889E-06	653458.9	4189125.2	8.0	1.83	3.33	0.40	YES	
L0007842	0	0.83889E-06	653459.3	4189118.1	8.0	1.83	3.33	0.40	YES	
L0007843	0	0.83889E-06	653459.6	4189110.9	8.0	1.83	3.33	0.40	YES	
L0007844	0	0.83889E-06	653460.0	4189103.8	8.0	1.83	3.33	0.40	YES	
L0007845	0	0.83889E-06	653460.3	4189096.6	8.0	1.83	3.33	0.40	YES	
L0007846	0	0.83889E-06	653460.7	4189089.5	8.0	1.83	3.33	0.40	YES	
L0007847	0	0.83889E-06	653461.0	4189082.3	8.0	1.83	3.33	0.40	YES	
L0007848	0	0.83889E-06	653461.4	4189075.1	8.0	1.83	3.33	0.40	YES	
L0007849	0	0.83889E-06	653461.7	4189068.0	8.0	1.83	3.33	0.40	YES	
L0007850	0	0.83889E-06	653462.0	4189060.8	8.0	1.83	3.33	0.40	YES	
L0007851	0	0.83889E-06	653462.4	4189053.7	8.0	1.83	3.33	0.40	YES	
L0007852	0	0.83889E-06	653462.7	4189046.5	8.0	1.83	3.33	0.40	YES	
L0007853	0	0.83889E-06	653463.1	4189039.4	8.0	1.83	3.33	0.40	YES	
L0007854	0	0.83889E-06	653463.4	4189032.2	8.0	1.83	3.33	0.40	YES	
L0007855	0	0.83889E-06	653463.8	4189025.1	8.0	1.83	3.33	0.40	YES	
L0007856	0	0.83889E-06	653464.1	4189017.9	8.0	1.83	3.33	0.40	YES	
L0007857	0	0.83889E-06	653464.5	4189010.8	8.0	1.83	3.33	0.40	YES	
L0007858	0	0.83889E-06	653464.8	4189003.6	8.0	1.83	3.33	0.40	YES	
L0007859	0	0.83889E-06	653465.2	4188996.5	8.0	1.83	3.33	0.40	YES	
L0007860	0	0.83889E-06	653465.5	4188989.3	8.0	1.83	3.33	0.40	YES	
L0007861	0	0.83889E-06	653465.8	4188982.2	8.0	1.83	3.33	0.40	YES	
L0007862	0	0.83889E-06	653466.2	4188975.0	8.0	1.83	3.33	0.40	YES	
L0007863	0	0.83889E-06	653466.5	4188967.9	8.0	1.83	3.33	0.40	YES	
L0007864	0	0.83889E-06	653466.9	4188960.7	8.0	1.83	3.33	0.40	YES	
L0007865	0	0.83889E-06	653467.2	4188953.6	8.0	1.83	3.33	0.40	YES	
L0007866	0	0.65366E-06	653562.0	4189224.5	8.0	1.83	3.30	0.40	YES	
L0007867	0	0.65366E-06	653555.0	4189224.4	8.0	1.83	3.30	0.40	YES	
L0007868	0	0.65366E-06	653547.9	4189224.3	8.0	1.83	3.30	0.40	YES	
L0007869	0	0.65366E-06	653540.8	4189224.2	8.0	1.83	3.30	0.40	YES	
L0007870	0	0.65366E-06	653533.7	4189224.2	8.0	1.83	3.30	0.40	YES	
L0007871	0	0.65366E-06	653526.6	4189224.1	8.0	1.83	3.30	0.40	YES	
L0007872	0	0.65366E-06	653519.5	4189224.0	8.0	1.83	3.30	0.40	YES	
L0007873	0	0.65366E-06	653512.4	4189223.9	8.0	1.83	3.30	0.40	YES	
L0007874	0	0.65366E-06	653505.3	4189223.8	8.0	1.83	3.30	0.40	YES	
L0007875	0	0.65366E-06	653498.2	4189223.8	8.0	1.83	3.30	0.40	YES	
L0007876	0	0.65366E-06	653491.2	4189223.7	8.0	1.83	3.30	0.40	YES	
L0007877	0	0.65366E-06	653484.1	4189223.6	8.0	1.83	3.30	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007878	0	0.65366E-06	653477.0	4189223.5	8.0	1.83	3.30	0.40	YES	
L0007879	0	0.65366E-06	653469.9	4189223.4	8.0	1.83	3.30	0.40	YES	
L0007880	0	0.65366E-06	653462.8	4189223.4	8.0	1.83	3.30	0.40	YES	
L0007881	0	0.65366E-06	653455.7	4189223.3	8.0	1.83	3.30	0.40	YES	
L0007882	0	0.65366E-06	653454.1	4189217.9	8.0	1.83	3.36	0.40	YES	
L0007883	0	0.65366E-06	653454.5	4189210.7	8.0	1.83	3.36	0.40	YES	
L0007884	0	0.65366E-06	653454.9	4189203.5	8.0	1.83	3.36	0.40	YES	
L0007885	0	0.65366E-06	653455.2	4189196.2	8.0	1.83	3.36	0.40	YES	
L0007886	0	0.65366E-06	653455.6	4189189.0	8.0	1.83	3.36	0.40	YES	
L0007887	0	0.65366E-06	653456.0	4189181.8	8.0	1.83	3.36	0.40	YES	
L0007888	0	0.65366E-06	653456.3	4189174.6	8.0	1.83	3.36	0.40	YES	
L0007889	0	0.65366E-06	653456.7	4189167.4	8.0	1.83	3.36	0.40	YES	
L0007890	0	0.65366E-06	653457.1	4189160.2	8.0	1.83	3.36	0.40	YES	
L0007891	0	0.65366E-06	653457.4	4189153.0	8.0	1.83	3.36	0.40	YES	
L0007892	0	0.65366E-06	653457.8	4189145.8	8.0	1.83	3.36	0.40	YES	
L0007893	0	0.65366E-06	653458.2	4189138.6	8.0	1.83	3.36	0.40	YES	

L0007894	0	0.65366E-06	653458.5	4189131.4	8.0	1.83	3.36	0.40	YES
L0007895	0	0.65366E-06	653458.9	4189124.2	8.0	1.83	3.36	0.40	YES
L0007896	0	0.65366E-06	653459.3	4189117.0	8.0	1.83	3.36	0.40	YES
L0007897	0	0.65366E-06	653459.6	4189109.7	8.0	1.83	3.36	0.40	YES
L0007898	0	0.65366E-06	653460.0	4189102.5	8.0	1.83	3.36	0.40	YES
L0007899	0	0.65366E-06	653460.4	4189095.3	8.0	1.83	3.36	0.40	YES
L0007900	0	0.65366E-06	653460.7	4189088.1	8.0	1.83	3.36	0.40	YES
L0007901	0	0.65366E-06	653461.1	4189080.9	8.0	1.83	3.36	0.40	YES
L0007902	0	0.65366E-06	653461.5	4189073.7	8.0	1.83	3.36	0.40	YES
L0007903	0	0.65366E-06	653461.8	4189066.5	8.0	1.83	3.36	0.40	YES
L0007904	0	0.65366E-06	653462.2	4189059.3	8.0	1.83	3.36	0.40	YES
L0007905	0	0.65366E-06	653462.6	4189052.1	8.0	1.83	3.36	0.40	YES
L0007906	0	0.65366E-06	653462.9	4189044.9	8.0	1.83	3.36	0.40	YES
L0007907	0	0.65366E-06	653463.3	4189037.7	8.0	1.83	3.36	0.40	YES
L0007908	0	0.65366E-06	653463.7	4189030.5	8.0	1.83	3.36	0.40	YES
L0007909	0	0.65366E-06	653464.0	4189023.2	8.0	1.83	3.36	0.40	YES
L0007910	0	0.65366E-06	653464.4	4189016.0	8.0	1.83	3.36	0.40	YES
L0007911	0	0.65366E-06	653464.7	4189008.8	8.0	1.83	3.36	0.40	YES
L0007912	0	0.65366E-06	653465.1	4189001.6	8.0	1.83	3.36	0.40	YES
L0007913	0	0.65366E-06	653465.5	4188994.4	8.0	1.83	3.36	0.40	YES
L0007914	0	0.65366E-06	653465.8	4188987.2	8.0	1.83	3.36	0.40	YES
L0007915	0	0.65366E-06	653466.2	4188980.0	8.0	1.83	3.36	0.40	YES
L0007916	0	0.65366E-06	653466.6	4188972.8	8.0	1.83	3.36	0.40	YES
L0007917	0	0.65366E-06	653466.9	4188965.6	8.0	1.83	3.36	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007918	0	0.65366E-06	653467.3	4188958.4	8.0	1.83	3.36	0.40	YES	
L0007919	0	0.65366E-06	653467.7	4188951.2	8.0	1.83	3.36	0.40	YES	
L0007920	0	0.65366E-06	653468.0	4188944.0	8.0	1.83	3.36	0.40	YES	
L0007921	0	0.65366E-06	653468.4	4188936.7	8.0	1.83	3.36	0.40	YES	
L0007922	0	0.65366E-06	653468.8	4188929.5	8.0	1.83	3.36	0.40	YES	
L0007923	0	0.65366E-06	653469.1	4188922.3	8.0	1.83	3.36	0.40	YES	
L0007924	0	0.65366E-06	653469.5	4188915.1	8.0	1.83	3.36	0.40	YES	
L0007925	0	0.65366E-06	653469.9	4188907.9	8.0	1.83	3.36	0.40	YES	
L0007926	0	0.65366E-06	653470.2	4188900.7	8.0	1.83	3.36	0.40	YES	
L0007927	0	0.65366E-06	653470.6	4188893.5	8.0	1.83	3.36	0.40	YES	
L0007928	0	0.65366E-06	653471.0	4188886.3	8.0	1.83	3.36	0.40	YES	
L0007929	0	0.65366E-06	653471.3	4188879.1	8.0	1.83	3.36	0.40	YES	
L0007930	0	0.65366E-06	653471.7	4188871.9	8.0	1.83	3.36	0.40	YES	
L0007931	0	0.65366E-06	653472.1	4188864.7	8.0	1.83	3.36	0.40	YES	
L0007932	0	0.65366E-06	653472.4	4188857.5	8.0	1.83	3.36	0.40	YES	
L0007933	0	0.65366E-06	653472.8	4188850.2	8.0	1.83	3.36	0.40	YES	
L0007934	0	0.65366E-06	653473.2	4188843.0	8.0	1.83	3.36	0.40	YES	
L0007935	0	0.65366E-06	653473.5	4188835.8	8.0	1.83	3.36	0.40	YES	
L0007936	0	0.65366E-06	653473.9	4188828.6	8.0	1.83	3.36	0.40	YES	
L0007937	0	0.65366E-06	653474.3	4188821.4	8.0	1.83	3.36	0.40	YES	
L0007938	0	0.65366E-06	653474.6	4188814.2	8.0	1.83	3.36	0.40	YES	
L0007939	0	0.65366E-06	653475.0	4188807.0	8.0	1.83	3.36	0.40	YES	
L0007940	0	0.65366E-06	653475.3	4188799.8	8.0	1.83	3.36	0.40	YES	
L0007941	0	0.65366E-06	653475.7	4188792.6	8.0	1.83	3.36	0.40	YES	
L0007942	0	0.65366E-06	653476.1	4188785.4	8.0	1.83	3.36	0.40	YES	
L0007943	0	0.65366E-06	653476.4	4188778.2	8.0	1.83	3.36	0.40	YES	
L0007944	0	0.65366E-06	653476.8	4188771.0	8.0	1.83	3.36	0.40	YES	
L0007945	0	0.65366E-06	653477.2	4188763.7	8.0	1.83	3.36	0.40	YES	
L0007946	0	0.65366E-06	653477.5	4188756.5	8.0	1.83	3.36	0.40	YES	
L0007947	0	0.65366E-06	653477.9	4188749.3	8.0	1.83	3.36	0.40	YES	
L0007948	0	0.50000E-06	653507.7	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007949	0	0.50000E-06	653501.1	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007950	0	0.50000E-06	653494.5	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007951	0	0.50000E-06	653487.8	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007952	0	0.50000E-06	653481.2	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007953	0	0.50000E-06	653474.6	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007954	0	0.50000E-06	653467.9	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007955	0	0.50000E-06	653461.3	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007956	0	0.50000E-06	653454.7	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007957	0	0.50000E-06	653448.0	4189979.0	8.0	1.83	3.09	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007958	0	0.50000E-06	653441.4	4189979.0	8.0	1.83	3.09	0.40	YES	
L0007959	0	0.50000E-06	653439.9	4189973.9	8.0	1.83	3.24	0.40	YES	
L0007960	0	0.50000E-06	653440.4	4189966.9	8.0	1.83	3.24	0.40	YES	
L0007961	0	0.50000E-06	653440.8	4189960.0	8.0	1.83	3.24	0.40	YES	
L0007962	0	0.50000E-06	653441.3	4189953.0	8.0	1.83	3.24	0.40	YES	
L0007963	0	0.50000E-06	653441.8	4189946.1	8.0	1.83	3.24	0.40	YES	
L0007964	0	0.50000E-06	653442.2	4189939.1	8.0	1.83	3.24	0.40	YES	
L0007965	0	0.50000E-06	653442.7	4189932.2	8.0	1.83	3.24	0.40	YES	
L0007966	0	0.50000E-06	653443.1	4189925.2	8.0	1.83	3.24	0.40	YES	
L0007967	0	0.50000E-06	653443.6	4189918.3	8.0	1.83	3.24	0.40	YES	
L0007968	0	0.50000E-06	653444.1	4189911.3	8.0	1.83	3.24	0.40	YES	
L0007969	0	0.50000E-06	653444.5	4189904.4	8.0	1.83	3.24	0.40	YES	
L0007970	0	0.50000E-06	653445.0	4189897.4	8.0	1.83	3.24	0.40	YES	
L0007971	0	0.50000E-06	653445.5	4189890.5	8.0	1.83	3.24	0.40	YES	

L0007972	0	0.50000E-06	653445.9	4189883.5	8.0	1.83	3.24	0.40	YES
L0007973	0	0.50000E-06	653446.4	4189876.6	8.0	1.83	3.24	0.40	YES
L0007974	0	0.50000E-06	653446.8	4189869.6	8.0	1.83	3.24	0.40	YES
L0007975	0	0.50000E-06	653447.3	4189862.7	8.0	1.83	3.24	0.40	YES
L0007976	0	0.50000E-06	653447.8	4189855.7	8.0	1.83	3.24	0.40	YES
L0007977	0	0.50000E-06	653448.2	4189848.8	8.0	1.83	3.24	0.40	YES
L0007978	0	0.50000E-06	653448.7	4189841.8	8.0	1.83	3.24	0.40	YES
L0007979	0	0.43600E-06	653509.6	4189979.0	8.0	1.83	3.21	0.40	YES
L0007980	0	0.43600E-06	653502.7	4189979.0	8.0	1.83	3.21	0.40	YES
L0007981	0	0.43600E-06	653495.8	4189979.0	8.0	1.83	3.21	0.40	YES
L0007982	0	0.43600E-06	653488.9	4189979.0	8.0	1.83	3.21	0.40	YES
L0007983	0	0.43600E-06	653482.0	4189979.0	8.0	1.83	3.21	0.40	YES
L0007984	0	0.43600E-06	653475.1	4189979.0	8.0	1.83	3.21	0.40	YES
L0007985	0	0.43600E-06	653468.2	4189979.0	8.0	1.83	3.21	0.40	YES
L0007986	0	0.43600E-06	653461.2	4189979.0	8.0	1.83	3.21	0.40	YES
L0007987	0	0.43600E-06	653454.3	4189979.0	8.0	1.83	3.21	0.40	YES
L0007988	0	0.43600E-06	653447.4	4189979.0	8.0	1.83	3.21	0.40	YES
L0007989	0	0.43600E-06	653440.5	4189979.0	8.0	1.83	3.21	0.40	YES
L0007990	0	0.43600E-06	653439.0	4189973.6	8.0	1.83	3.38	0.40	YES
L0007991	0	0.43600E-06	653439.5	4189966.3	8.0	1.83	3.38	0.40	YES
L0007992	0	0.43600E-06	653439.9	4189959.1	8.0	1.83	3.38	0.40	YES
L0007993	0	0.43600E-06	653440.3	4189951.9	8.0	1.83	3.38	0.40	YES
L0007994	0	0.43600E-06	653440.8	4189944.6	8.0	1.83	3.38	0.40	YES
L0007995	0	0.43600E-06	653441.2	4189937.4	8.0	1.83	3.38	0.40	YES
L0007996	0	0.43600E-06	653441.7	4189930.1	8.0	1.83	3.38	0.40	YES
L0007997	0	0.43600E-06	653442.1	4189922.9	8.0	1.83	3.38	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0007998	0	0.43600E-06	653442.5	4189915.6	8.0	1.83	3.38	0.40	YES	
L0007999	0	0.43600E-06	653443.0	4189908.4	8.0	1.83	3.38	0.40	YES	
L0008000	0	0.43600E-06	653443.4	4189901.1	8.0	1.83	3.38	0.40	YES	
L0008001	0	0.43600E-06	653443.9	4189893.9	8.0	1.83	3.38	0.40	YES	
L0008002	0	0.43600E-06	653444.3	4189886.7	8.0	1.83	3.38	0.40	YES	
L0008003	0	0.43600E-06	653444.7	4189879.4	8.0	1.83	3.38	0.40	YES	
L0008004	0	0.43600E-06	653445.2	4189872.2	8.0	1.83	3.38	0.40	YES	
L0008005	0	0.43600E-06	653445.6	4189864.9	8.0	1.83	3.38	0.40	YES	
L0008006	0	0.43600E-06	653446.1	4189857.7	8.0	1.83	3.38	0.40	YES	
L0008007	0	0.43600E-06	653446.5	4189850.4	8.0	1.83	3.38	0.40	YES	
L0008008	0	0.43600E-06	653447.0	4189843.2	8.0	1.83	3.38	0.40	YES	
L0008009	0	0.43600E-06	653447.4	4189836.0	8.0	1.83	3.38	0.40	YES	
L0008010	0	0.43600E-06	653447.8	4189828.7	8.0	1.83	3.38	0.40	YES	
L0008011	0	0.43600E-06	653448.3	4189821.5	8.0	1.83	3.38	0.40	YES	
L0008012	0	0.43600E-06	653448.7	4189814.2	8.0	1.83	3.38	0.40	YES	
L0008013	0	0.43600E-06	653449.2	4189807.0	8.0	1.83	3.38	0.40	YES	
L0008014	0	0.43600E-06	653449.6	4189799.7	8.0	1.83	3.38	0.40	YES	
L0008015	0	0.43600E-06	653450.0	4189792.5	8.0	1.83	3.38	0.40	YES	
L0008016	0	0.43600E-06	653450.5	4189785.2	8.0	1.83	3.38	0.40	YES	
L0008017	0	0.43600E-06	653450.9	4189778.0	8.0	1.83	3.38	0.40	YES	
L0008018	0	0.43600E-06	653451.4	4189770.8	8.0	1.83	3.38	0.40	YES	
L0008019	0	0.43600E-06	653451.8	4189763.5	8.0	1.83	3.38	0.40	YES	
L0008020	0	0.43600E-06	653452.2	4189756.3	8.0	1.83	3.38	0.40	YES	
L0008021	0	0.43600E-06	653452.7	4189749.0	8.0	1.83	3.38	0.40	YES	
L0008022	0	0.43600E-06	653453.1	4189741.8	8.0	1.83	3.38	0.40	YES	
L0008023	0	0.43600E-06	653453.6	4189734.5	8.0	1.83	3.38	0.40	YES	
L0008024	0	0.43600E-06	653454.0	4189727.3	8.0	1.83	3.38	0.40	YES	
L0008025	0	0.43600E-06	653454.4	4189720.1	8.0	1.83	3.38	0.40	YES	
L0008026	0	0.43600E-06	653454.9	4189712.8	8.0	1.83	3.38	0.40	YES	
L0008027	0	0.43600E-06	653455.3	4189705.6	8.0	1.83	3.38	0.40	YES	
L0008028	0	0.43600E-06	653455.8	4189698.3	8.0	1.83	3.38	0.40	YES	
L0008029	0	0.43889E-06	653509.9	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008030	0	0.43889E-06	653502.7	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008031	0	0.43889E-06	653495.6	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008032	0	0.43889E-06	653488.4	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008033	0	0.43889E-06	653481.2	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008034	0	0.43889E-06	653474.0	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008035	0	0.43889E-06	653466.9	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008036	0	0.43889E-06	653459.7	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008037	0	0.43889E-06	653452.5	4189979.5	8.0	1.83	3.34	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008038	0	0.43889E-06	653445.3	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008039	0	0.43889E-06	653438.1	4189979.5	8.0	1.83	3.34	0.40	YES	
L0008040	0	0.43889E-06	653436.7	4189974.0	8.0	1.83	3.40	0.40	YES	
L0008041	0	0.43889E-06	653437.2	4189966.7	8.0	1.83	3.40	0.40	YES	
L0008042	0	0.43889E-06	653437.6	4189959.5	8.0	1.83	3.40	0.40	YES	
L0008043	0	0.43889E-06	653438.1	4189952.2	8.0	1.83	3.40	0.40	YES	
L0008044	0	0.43889E-06	653438.6	4189944.9	8.0	1.83	3.40	0.40	YES	
L0008045	0	0.43889E-06	653439.1	4189937.6	8.0	1.83	3.40	0.40	YES	
L0008046	0	0.43889E-06	653439.6	4189930.3	8.0	1.83	3.40	0.40	YES	
L0008047	0	0.43889E-06	653440.1	4189923.0	8.0	1.83	3.40	0.40	YES	
L0008048	0	0.43889E-06	653440.5	4189915.7	8.0	1.83	3.40	0.40	YES	
L0008049	0	0.43889E-06	653441.0	4189908.4	8.0	1.83	3.40	0.40	YES	

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008050	0	0.43889E-06	653441.5	4189901.1	8.0	1.83	3.40	0.40	YES	
L0008051	0	0.43889E-06	653442.0	4189893.8	8.0	1.83	3.40	0.40	YES	
L0008052	0	0.43889E-06	653442.5	4189886.5	8.0	1.83	3.40	0.40	YES	
L0008053	0	0.43889E-06	653442.9	4189879.3	8.0	1.83	3.40	0.40	YES	
L0008054	0	0.43889E-06	653443.4	4189872.0	8.0	1.83	3.40	0.40	YES	
L0008055	0	0.43889E-06	653443.9	4189864.7	8.0	1.83	3.40	0.40	YES	
L0008056	0	0.43889E-06	653444.4	4189857.4	8.0	1.83	3.40	0.40	YES	
L0008057	0	0.43889E-06	653444.9	4189850.1	8.0	1.83	3.40	0.40	YES	
L0008058	0	0.43889E-06	653445.4	4189842.8	8.0	1.83	3.40	0.40	YES	
L0008059	0	0.43889E-06	653445.8	4189835.5	8.0	1.83	3.40	0.40	YES	
L0008060	0	0.43889E-06	653446.3	4189828.2	8.0	1.83	3.40	0.40	YES	
L0008061	0	0.43889E-06	653446.8	4189820.9	8.0	1.83	3.40	0.40	YES	
L0008062	0	0.43889E-06	653447.3	4189813.6	8.0	1.83	3.40	0.40	YES	
L0008063	0	0.43889E-06	653447.8	4189806.3	8.0	1.83	3.40	0.40	YES	
L0008064	0	0.43889E-06	653448.3	4189799.0	8.0	1.83	3.40	0.40	YES	
L0008065	0	0.43889E-06	653448.7	4189791.8	8.0	1.83	3.40	0.40	YES	
L0008066	0	0.43889E-06	653449.2	4189784.5	8.0	1.83	3.40	0.40	YES	
L0008067	0	0.43889E-06	653449.7	4189777.2	8.0	1.83	3.40	0.40	YES	
L0008068	0	0.43889E-06	653450.2	4189769.9	8.0	1.83	3.40	0.40	YES	
L0008069	0	0.43889E-06	653450.7	4189762.6	8.0	1.83	3.40	0.40	YES	
L0008070	0	0.43889E-06	653451.2	4189755.3	8.0	1.83	3.40	0.40	YES	
L0008071	0	0.43889E-06	653451.6	4189748.0	8.0	1.83	3.40	0.40	YES	
L0008072	0	0.43889E-06	653452.1	4189740.7	8.0	1.83	3.40	0.40	YES	
L0008073	0	0.43889E-06	653452.6	4189733.4	8.0	1.83	3.40	0.40	YES	
L0008074	0	0.43889E-06	653453.1	4189726.1	8.0	1.83	3.40	0.40	YES	
L0008075	0	0.43889E-06	653453.6	4189718.8	8.0	1.83	3.40	0.40	YES	
L0008076	0	0.43889E-06	653454.0	4189711.6	8.0	1.83	3.40	0.40	YES	
L0008077	0	0.43889E-06	653454.5	4189704.3	8.0	1.83	3.40	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008078	0	0.43889E-06	653455.0	4189697.0	8.0	1.83	3.40	0.40	YES	
L0008079	0	0.43889E-06	653455.5	4189689.7	8.0	1.83	3.40	0.40	YES	
L0008080	0	0.43889E-06	653456.0	4189682.4	8.0	1.83	3.40	0.40	YES	
L0008081	0	0.43889E-06	653456.5	4189675.1	8.0	1.83	3.40	0.40	YES	
L0008082	0	0.43889E-06	653456.9	4189667.8	8.0	1.83	3.40	0.40	YES	
L0008083	0	0.43889E-06	653457.4	4189660.5	8.0	1.83	3.40	0.40	YES	
L0008084	0	0.43889E-06	653457.9	4189653.2	8.0	1.83	3.40	0.40	YES	
L0008085	0	0.43889E-06	653458.4	4189645.9	8.0	1.83	3.40	0.40	YES	
L0008086	0	0.43889E-06	653458.9	4189638.6	8.0	1.83	3.40	0.40	YES	
L0008087	0	0.43889E-06	653459.4	4189631.4	8.0	1.83	3.40	0.40	YES	
L0008088	0	0.43889E-06	653459.8	4189624.1	8.0	1.83	3.40	0.40	YES	
L0008089	0	0.43889E-06	653460.3	4189616.8	8.0	1.83	3.40	0.40	YES	
L0008090	0	0.43889E-06	653460.8	4189609.5	8.0	1.83	3.40	0.40	YES	
L0008091	0	0.43889E-06	653461.3	4189602.2	8.0	1.83	3.40	0.40	YES	
L0008092	0	0.43889E-06	653461.8	4189594.9	8.0	1.83	3.40	0.40	YES	
L0008093	0	0.43889E-06	653462.3	4189587.6	8.0	1.83	3.40	0.40	YES	
L0008094	0	0.43889E-06	653462.7	4189580.3	8.0	1.83	3.40	0.40	YES	
L0008095	0	0.43889E-06	653463.2	4189573.0	8.0	1.83	3.40	0.40	YES	
L0008096	0	0.43889E-06	653463.7	4189565.7	8.0	1.83	3.40	0.40	YES	
L0008097	0	0.43889E-06	653464.2	4189558.4	8.0	1.83	3.40	0.40	YES	
L0008098	0	0.43889E-06	653464.7	4189551.2	8.0	1.83	3.40	0.40	YES	
L0008099	0	0.43889E-06	653465.1	4189543.9	8.0	1.83	3.40	0.40	YES	
L0008100	0	0.43889E-06	653465.6	4189536.6	8.0	1.83	3.40	0.40	YES	
L0008101	0	0.57333E-06	653561.5	4189225.5	8.0	3.66	3.32	0.40	YES	
L0008102	0	0.57333E-06	653554.4	4189225.3	8.0	3.66	3.32	0.40	YES	
L0008103	0	0.57333E-06	653547.2	4189225.1	8.0	3.66	3.32	0.40	YES	
L0008104	0	0.57333E-06	653540.1	4189225.0	8.0	3.66	3.32	0.40	YES	
L0008105	0	0.57333E-06	653533.0	4189224.8	8.0	3.66	3.32	0.40	YES	
L0008106	0	0.57333E-06	653525.8	4189224.7	8.0	3.66	3.32	0.40	YES	
L0008107	0	0.57333E-06	653518.7	4189224.5	8.0	3.66	3.32	0.40	YES	
L0008108	0	0.57333E-06	653511.6	4189224.3	8.0	3.66	3.32	0.40	YES	
L0008109	0	0.57333E-06	653504.4	4189224.2	8.0	3.66	3.32	0.40	YES	
L0008110	0	0.57333E-06	653497.3	4189224.0	8.0	3.66	3.32	0.40	YES	
L0008111	0	0.57333E-06	653490.2	4189223.9	8.0	3.66	3.32	0.40	YES	
L0008112	0	0.57333E-06	653483.0	4189223.7	8.0	3.66	3.32	0.40	YES	
L0008113	0	0.57333E-06	653475.9	4189223.5	8.0	3.66	3.32	0.40	YES	
L0008114	0	0.57333E-06	653473.8	4189229.0	8.0	3.66	3.39	0.40	YES	
L0008115	0	0.57333E-06	653473.5	4189236.2	8.0	3.66	3.39	0.40	YES	
L0008116	0	0.57333E-06	653473.2	4189243.5	8.0	3.66	3.39	0.40	YES	
L0008117	0	0.57333E-06	653472.9	4189250.8	8.0	3.66	3.39	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008118	0	0.57333E-06	653472.6	4189258.1	8.0	3.66	3.39	0.40	YES	
L0008119	0	0.57333E-06	653472.2	4189265.4	8.0	3.66	3.39	0.40	YES	
L0008120	0	0.57333E-06	653471.9	4189272.6	8.0	3.66	3.39	0.40	YES	
L0008121	0	0.57333E-06	653471.6	4189279.9	8.0	3.66	3.39	0.40	YES	
L0008122	0	0.57333E-06	653471.3	4189287.2	8.0	3.66	3.39	0.40	YES	
L0008123	0	0.57333E-06	653471.0	4189294.5	8.0	3.66	3.39	0.40	YES	
L0008124	0	0.57333E-06	653470.7	4189301.8	8.0	3.66	3.39	0.40	YES	
L0008125	0	0.57333E-06	653470.3	4189309.0	8.0	3.66	3.39	0.40	YES	
L0008126	0	0.57333E-06	653470.0	4189316.3	8.0	3.66	3.39	0.40	YES	
L0008127	0	0.57333E-06	653469.7	4189323.6	8.0	3.66	3.39	0.40	YES	

L0008128	0	0.57333E-06	653469.4	4189330.9	8.0	3.66	3.39	0.40	YES
L0008129	0	0.57333E-06	653469.1	4189338.2	8.0	3.66	3.39	0.40	YES
L0008130	0	0.57333E-06	653468.8	4189345.5	8.0	3.66	3.39	0.40	YES
L0008131	0	0.57333E-06	653468.4	4189352.7	8.0	3.66	3.39	0.40	YES
L0008132	0	0.57333E-06	653468.1	4189360.0	8.0	3.66	3.39	0.40	YES
L0008133	0	0.57333E-06	653467.8	4189367.3	8.0	3.66	3.39	0.40	YES
L0008134	0	0.57333E-06	653467.5	4189374.6	8.0	3.66	3.39	0.40	YES
L0008135	0	0.57333E-06	653467.2	4189381.9	8.0	3.66	3.39	0.40	YES
L0008136	0	0.57333E-06	653466.9	4189389.1	8.0	3.66	3.39	0.40	YES
L0008137	0	0.57333E-06	653466.5	4189396.4	8.0	3.66	3.39	0.40	YES
L0008138	0	0.57333E-06	653466.2	4189403.7	8.0	3.66	3.39	0.40	YES
L0008139	0	0.57333E-06	653465.9	4189411.0	8.0	3.66	3.39	0.40	YES
L0008140	0	0.57333E-06	653465.6	4189418.3	8.0	3.66	3.39	0.40	YES
L0008141	0	0.57333E-06	653465.3	4189425.5	8.0	3.66	3.39	0.40	YES
L0008142	0	0.57333E-06	653465.0	4189432.8	8.0	3.66	3.39	0.40	YES
L0008143	0	0.57333E-06	653464.7	4189440.1	8.0	3.66	3.39	0.40	YES
L0008144	0	0.57333E-06	653464.3	4189447.4	8.0	3.66	3.39	0.40	YES
L0008145	0	0.57333E-06	653464.0	4189454.7	8.0	3.66	3.39	0.40	YES
L0008146	0	0.25385E-06	653561.5	4189225.5	8.0	1.83	3.39	0.40	YES
L0008147	0	0.25385E-06	653554.2	4189225.4	8.0	1.83	3.39	0.40	YES
L0008148	0	0.25385E-06	653546.9	4189225.3	8.0	1.83	3.39	0.40	YES
L0008149	0	0.25385E-06	653539.6	4189225.2	8.0	1.83	3.39	0.40	YES
L0008150	0	0.25385E-06	653532.3	4189225.2	8.0	1.83	3.39	0.40	YES
L0008151	0	0.25385E-06	653525.0	4189225.1	8.0	1.83	3.39	0.40	YES
L0008152	0	0.25385E-06	653517.8	4189225.0	8.0	1.83	3.39	0.40	YES
L0008153	0	0.25385E-06	653510.5	4189224.9	8.0	1.83	3.39	0.40	YES
L0008154	0	0.25385E-06	653503.2	4189224.8	8.0	1.83	3.39	0.40	YES
L0008155	0	0.25385E-06	653495.9	4189224.8	8.0	1.83	3.39	0.40	YES
L0008156	0	0.25385E-06	653488.6	4189224.7	8.0	1.83	3.39	0.40	YES
L0008157	0	0.25385E-06	653481.3	4189224.6	8.0	1.83	3.39	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008158	0	0.25385E-06	653474.0	4189224.5	8.0	1.83	3.39	0.40	YES	
L0008159	0	0.25385E-06	653472.1	4189230.0	8.0	1.83	3.39	0.40	YES	
L0008160	0	0.25385E-06	653471.9	4189237.2	8.0	1.83	3.39	0.40	YES	
L0008161	0	0.25385E-06	653471.8	4189244.5	8.0	1.83	3.39	0.40	YES	
L0008162	0	0.25385E-06	653471.7	4189251.8	8.0	1.83	3.39	0.40	YES	
L0008163	0	0.25385E-06	653471.5	4189259.1	8.0	1.83	3.39	0.40	YES	
L0008164	0	0.25385E-06	653471.4	4189266.4	8.0	1.83	3.39	0.40	YES	
L0008165	0	0.25385E-06	653471.2	4189273.7	8.0	1.83	3.39	0.40	YES	
L0008166	0	0.25385E-06	653471.1	4189281.0	8.0	1.83	3.39	0.40	YES	
L0008167	0	0.25385E-06	653471.0	4189288.3	8.0	1.83	3.39	0.40	YES	
L0008168	0	0.25385E-06	653470.8	4189295.6	8.0	1.83	3.39	0.40	YES	
L0008169	0	0.25385E-06	653470.7	4189302.8	8.0	1.83	3.39	0.40	YES	
L0008170	0	0.25385E-06	653470.5	4189310.1	8.0	1.83	3.39	0.40	YES	
L0008171	0	0.25385E-06	653470.4	4189317.4	8.0	1.83	3.39	0.40	YES	
L0008172	0	0.37297E-06	653563.2	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008173	0	0.37297E-06	653556.2	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008174	0	0.37297E-06	653549.3	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008175	0	0.37297E-06	653542.3	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008176	0	0.37297E-06	653535.4	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008177	0	0.37297E-06	653528.4	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008178	0	0.37297E-06	653521.5	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008179	0	0.37297E-06	653514.5	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008180	0	0.37297E-06	653507.6	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008181	0	0.37297E-06	653500.6	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008182	0	0.37297E-06	653493.7	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008183	0	0.37297E-06	653486.7	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008184	0	0.37297E-06	653479.8	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008185	0	0.37297E-06	653472.8	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008186	0	0.37297E-06	653465.9	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008187	0	0.37297E-06	653459.0	4189224.2	8.0	1.83	3.23	0.40	YES	
L0008188	0	0.37297E-06	653457.2	4189218.8	8.0	1.83	3.40	0.40	YES	
L0008189	0	0.37297E-06	653457.3	4189211.5	8.0	1.83	3.40	0.40	YES	
L0008190	0	0.37297E-06	653457.4	4189204.1	8.0	1.83	3.40	0.40	YES	
L0008191	0	0.37297E-06	653457.5	4189196.8	8.0	1.83	3.40	0.40	YES	
L0008192	0	0.37297E-06	653457.6	4189189.5	8.0	1.83	3.40	0.40	YES	
L0008193	0	0.37297E-06	653457.7	4189182.2	8.0	1.83	3.40	0.40	YES	
L0008194	0	0.37297E-06	653457.8	4189174.9	8.0	1.83	3.40	0.40	YES	
L0008195	0	0.37297E-06	653457.9	4189167.6	8.0	1.83	3.40	0.40	YES	
L0008196	0	0.37297E-06	653458.0	4189160.3	8.0	1.83	3.40	0.40	YES	
L0008197	0	0.37297E-06	653458.1	4189153.0	8.0	1.83	3.40	0.40	YES	

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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008198	0	0.37297E-06	653458.2	4189145.7	8.0	1.83	3.40	0.40	YES	
L0008199	0	0.37297E-06	653458.3	4189138.4	8.0	1.83	3.40	0.40	YES	
L0008200	0	0.37297E-06	653458.4	4189131.1	8.0	1.83	3.40	0.40	YES	
L0008201	0	0.37297E-06	653458.5	4189123.7	8.0	1.83	3.40	0.40	YES	
L0008202	0	0.37297E-06	653458.6	4189116.4	8.0	1.83	3.40	0.40	YES	
L0008203	0	0.37297E-06	653458.7	4189109.1	8.0	1.83	3.40	0.40	YES	
L0008204	0	0.37297E-06	653458.8	4189101.8	8.0	1.83	3.40	0.40	YES	
L0008205	0	0.37297E-06	653458.9	4189094.5	8.0	1.83	3.40	0.40	YES	

L0008206	0	0.37297E-06	653459.0	4189087.2	8.0	1.83	3.40	0.40	YES
L0008207	0	0.37297E-06	653459.1	4189079.9	8.0	1.83	3.40	0.40	YES
L0008208	0	0.37297E-06	653459.2	4189072.6	8.0	1.83	3.40	0.40	YES
L0008209	0	0.49649E-06	653565.2	4189226.2	8.0	3.66	3.22	0.40	YES
L0008210	0	0.49649E-06	653558.3	4189225.8	8.0	3.66	3.22	0.40	YES
L0008211	0	0.49649E-06	653551.4	4189225.4	8.0	3.66	3.22	0.40	YES
L0008212	0	0.49649E-06	653544.5	4189225.1	8.0	3.66	3.22	0.40	YES
L0008213	0	0.49649E-06	653537.6	4189224.7	8.0	3.66	3.22	0.40	YES
L0008214	0	0.49649E-06	653530.7	4189224.3	8.0	3.66	3.22	0.40	YES
L0008215	0	0.49649E-06	653523.8	4189224.0	8.0	3.66	3.22	0.40	YES
L0008216	0	0.49649E-06	653516.9	4189223.6	8.0	3.66	3.22	0.40	YES
L0008217	0	0.49649E-06	653510.0	4189223.2	8.0	3.66	3.22	0.40	YES
L0008218	0	0.49649E-06	653503.1	4189222.9	8.0	3.66	3.22	0.40	YES
L0008219	0	0.49649E-06	653496.2	4189222.5	8.0	3.66	3.22	0.40	YES
L0008220	0	0.49649E-06	653489.3	4189222.2	8.0	3.66	3.22	0.40	YES
L0008221	0	0.49649E-06	653482.4	4189221.8	8.0	3.66	3.22	0.40	YES
L0008222	0	0.49649E-06	653475.5	4189221.4	8.0	3.66	3.22	0.40	YES
L0008223	0	0.49649E-06	653468.6	4189221.1	8.0	3.66	3.22	0.40	YES
L0008224	0	0.49649E-06	653461.7	4189220.7	8.0	3.66	3.22	0.40	YES
L0008225	0	0.49649E-06	653454.8	4189220.3	8.0	3.66	3.22	0.40	YES
L0008226	0	0.49649E-06	653453.2	4189214.9	8.0	3.66	3.36	0.40	YES
L0008227	0	0.49649E-06	653453.6	4189207.7	8.0	3.66	3.36	0.40	YES
L0008228	0	0.49649E-06	653453.9	4189200.4	8.0	3.66	3.36	0.40	YES
L0008229	0	0.49649E-06	653454.3	4189193.2	8.0	3.66	3.36	0.40	YES
L0008230	0	0.49649E-06	653454.7	4189186.0	8.0	3.66	3.36	0.40	YES
L0008231	0	0.49649E-06	653455.0	4189178.8	8.0	3.66	3.36	0.40	YES
L0008232	0	0.49649E-06	653455.4	4189171.6	8.0	3.66	3.36	0.40	YES
L0008233	0	0.49649E-06	653455.8	4189164.4	8.0	3.66	3.36	0.40	YES
L0008234	0	0.49649E-06	653456.1	4189157.2	8.0	3.66	3.36	0.40	YES
L0008235	0	0.49649E-06	653456.5	4189150.0	8.0	3.66	3.36	0.40	YES
L0008236	0	0.49649E-06	653456.9	4189142.7	8.0	3.66	3.36	0.40	YES
L0008237	0	0.49649E-06	653457.2	4189135.5	8.0	3.66	3.36	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008238	0	0.49649E-06	653457.6	4189128.3	8.0	3.66	3.36	0.40	YES	
L0008239	0	0.49649E-06	653457.9	4189121.1	8.0	3.66	3.36	0.40	YES	
L0008240	0	0.49649E-06	653458.3	4189113.9	8.0	3.66	3.36	0.40	YES	
L0008241	0	0.49649E-06	653458.7	4189106.7	8.0	3.66	3.36	0.40	YES	
L0008242	0	0.49649E-06	653459.0	4189099.5	8.0	3.66	3.36	0.40	YES	
L0008243	0	0.49649E-06	653459.4	4189092.3	8.0	3.66	3.36	0.40	YES	
L0008244	0	0.49649E-06	653459.8	4189085.0	8.0	3.66	3.36	0.40	YES	
L0008245	0	0.49649E-06	653460.1	4189077.8	8.0	3.66	3.36	0.40	YES	
L0008246	0	0.49649E-06	653460.5	4189070.6	8.0	3.66	3.36	0.40	YES	
L0008247	0	0.49649E-06	653460.9	4189063.4	8.0	3.66	3.36	0.40	YES	
L0008248	0	0.49649E-06	653461.2	4189056.2	8.0	3.66	3.36	0.40	YES	
L0008249	0	0.49649E-06	653461.6	4189049.0	8.0	3.66	3.36	0.40	YES	
L0008250	0	0.49649E-06	653461.9	4189041.8	8.0	3.66	3.36	0.40	YES	
L0008251	0	0.49649E-06	653462.3	4189034.6	8.0	3.66	3.36	0.40	YES	
L0008252	0	0.49649E-06	653462.7	4189027.3	8.0	3.66	3.36	0.40	YES	
L0008253	0	0.49649E-06	653463.0	4189020.1	8.0	3.66	3.36	0.40	YES	
L0008254	0	0.49649E-06	653463.4	4189012.9	8.0	3.66	3.36	0.40	YES	
L0008255	0	0.49649E-06	653463.8	4189005.7	8.0	3.66	3.36	0.40	YES	
L0008256	0	0.49649E-06	653464.1	4188998.5	8.0	3.66	3.36	0.40	YES	
L0008257	0	0.49649E-06	653464.5	4188991.3	8.0	3.66	3.36	0.40	YES	
L0008258	0	0.49649E-06	653464.9	4188984.1	8.0	3.66	3.36	0.40	YES	
L0008259	0	0.49649E-06	653465.2	4188976.9	8.0	3.66	3.36	0.40	YES	
L0008260	0	0.49649E-06	653465.6	4188969.6	8.0	3.66	3.36	0.40	YES	
L0008261	0	0.49649E-06	653466.0	4188962.4	8.0	3.66	3.36	0.40	YES	
L0008262	0	0.49649E-06	653466.3	4188955.2	8.0	3.66	3.36	0.40	YES	
L0008263	0	0.49649E-06	653466.7	4188948.0	8.0	3.66	3.36	0.40	YES	
L0008264	0	0.49649E-06	653467.0	4188940.8	8.0	3.66	3.36	0.40	YES	
L0008265	0	0.49649E-06	653467.4	4188933.6	8.0	3.66	3.36	0.40	YES	
L0008266	0	0.51392E-06	653565.2	4189226.2	8.0	1.83	3.22	0.40	YES	
L0008267	0	0.51392E-06	653558.3	4189225.8	8.0	1.83	3.22	0.40	YES	
L0008268	0	0.51392E-06	653551.4	4189225.4	8.0	1.83	3.22	0.40	YES	
L0008269	0	0.51392E-06	653544.5	4189225.1	8.0	1.83	3.22	0.40	YES	
L0008270	0	0.51392E-06	653537.6	4189224.7	8.0	1.83	3.22	0.40	YES	
L0008271	0	0.51392E-06	653530.7	4189224.3	8.0	1.83	3.22	0.40	YES	
L0008272	0	0.51392E-06	653523.8	4189224.0	8.0	1.83	3.22	0.40	YES	
L0008273	0	0.51392E-06	653516.9	4189223.6	8.0	1.83	3.22	0.40	YES	
L0008274	0	0.51392E-06	653510.0	4189223.2	8.0	1.83	3.22	0.40	YES	
L0008275	0	0.51392E-06	653503.1	4189222.9	8.0	1.83	3.22	0.40	YES	
L0008276	0	0.51392E-06	653496.2	4189222.5	8.0	1.83	3.22	0.40	YES	
L0008277	0	0.51392E-06	653489.3	4189222.2	8.0	1.83	3.22	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008278	0	0.51392E-06	653482.4	4189221.8	8.0	1.83	3.22	0.40	YES	
L0008279	0	0.51392E-06	653475.5	4189221.4	8.0	1.83	3.22	0.40	YES	
L0008280	0	0.51392E-06	653468.6	4189221.1	8.0	1.83	3.22	0.40	YES	
L0008281	0	0.51392E-06	653461.7	4189220.7	8.0	1.83	3.22	0.40	YES	
L0008282	0	0.51392E-06	653454.8	4189220.3	8.0	1.83	3.22	0.40	YES	
L0008283	0	0.51392E-06	653453.2	4189214.9	8.0	1.83	3.35	0.40	YES	

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008284	0	0.51392E-06	653453.6	4189207.7	8.0	1.83	3.35	0.40	YES	
L0008285	0	0.51392E-06	653453.9	4189200.5	8.0	1.83	3.35	0.40	YES	
L0008286	0	0.51392E-06	653454.3	4189193.3	8.0	1.83	3.35	0.40	YES	
L0008287	0	0.51392E-06	653454.7	4189186.1	8.0	1.83	3.35	0.40	YES	
L0008288	0	0.51392E-06	653455.1	4189178.9	8.0	1.83	3.35	0.40	YES	
L0008289	0	0.51392E-06	653455.4	4189171.7	8.0	1.83	3.35	0.40	YES	
L0008290	0	0.51392E-06	653455.8	4189164.5	8.0	1.83	3.35	0.40	YES	
L0008291	0	0.51392E-06	653456.2	4189157.3	8.0	1.83	3.35	0.40	YES	
L0008292	0	0.51392E-06	653456.5	4189150.1	8.0	1.83	3.35	0.40	YES	
L0008293	0	0.51392E-06	653456.9	4189142.9	8.0	1.83	3.35	0.40	YES	
L0008294	0	0.51392E-06	653457.3	4189135.7	8.0	1.83	3.35	0.40	YES	
L0008295	0	0.51392E-06	653457.6	4189128.5	8.0	1.83	3.35	0.40	YES	
L0008296	0	0.51392E-06	653458.0	4189121.3	8.0	1.83	3.35	0.40	YES	
L0008297	0	0.51392E-06	653458.4	4189114.1	8.0	1.83	3.35	0.40	YES	
L0008298	0	0.51392E-06	653458.7	4189106.9	8.0	1.83	3.35	0.40	YES	
L0008299	0	0.51392E-06	653459.1	4189099.7	8.0	1.83	3.35	0.40	YES	
L0008300	0	0.51392E-06	653459.5	4189092.5	8.0	1.83	3.35	0.40	YES	
L0008301	0	0.51392E-06	653459.8	4189085.3	8.0	1.83	3.35	0.40	YES	
L0008302	0	0.51392E-06	653460.2	4189078.1	8.0	1.83	3.35	0.40	YES	
L0008303	0	0.51392E-06	653460.6	4189070.9	8.0	1.83	3.35	0.40	YES	
L0008304	0	0.51392E-06	653460.9	4189063.7	8.0	1.83	3.35	0.40	YES	
L0008305	0	0.51392E-06	653461.3	4189056.5	8.0	1.83	3.35	0.40	YES	
L0008306	0	0.51392E-06	653461.7	4189049.3	8.0	1.83	3.35	0.40	YES	
L0008307	0	0.51392E-06	653462.0	4189042.1	8.0	1.83	3.35	0.40	YES	
L0008308	0	0.51392E-06	653462.4	4189034.9	8.0	1.83	3.35	0.40	YES	
L0008309	0	0.51392E-06	653462.8	4189027.7	8.0	1.83	3.35	0.40	YES	
L0008310	0	0.51392E-06	653463.1	4189020.5	8.0	1.83	3.35	0.40	YES	
L0008311	0	0.51392E-06	653463.5	4189013.3	8.0	1.83	3.35	0.40	YES	
L0008312	0	0.51392E-06	653463.9	4189006.1	8.0	1.83	3.35	0.40	YES	
L0008313	0	0.51392E-06	653464.2	4188999.0	8.0	1.83	3.35	0.40	YES	
L0008314	0	0.51392E-06	653464.6	4188991.8	8.0	1.83	3.35	0.40	YES	
L0008315	0	0.51392E-06	653465.0	4188984.6	8.0	1.83	3.35	0.40	YES	
L0008316	0	0.51392E-06	653465.4	4188977.4	8.0	1.83	3.35	0.40	YES	
L0008317	0	0.51392E-06	653465.7	4188970.2	8.0	1.83	3.35	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008318	0	0.51392E-06	653466.1	4188963.0	8.0	1.83	3.35	0.40	YES	
L0008319	0	0.51392E-06	653466.5	4188955.8	8.0	1.83	3.35	0.40	YES	
L0008320	0	0.51392E-06	653466.8	4188948.6	8.0	1.83	3.35	0.40	YES	
L0008321	0	0.51392E-06	653467.2	4188941.4	8.0	1.83	3.35	0.40	YES	
L0008322	0	0.51392E-06	653467.6	4188934.2	8.0	1.83	3.35	0.40	YES	
L0008323	0	0.51392E-06	653467.9	4188927.0	8.0	1.83	3.35	0.40	YES	
L0008324	0	0.51392E-06	653468.3	4188919.8	8.0	1.83	3.35	0.40	YES	
L0008325	0	0.51392E-06	653468.7	4188912.6	8.0	1.83	3.35	0.40	YES	
L0008326	0	0.51392E-06	653469.0	4188905.4	8.0	1.83	3.35	0.40	YES	
L0008327	0	0.51392E-06	653469.4	4188898.2	8.0	1.83	3.35	0.40	YES	
L0008328	0	0.51392E-06	653469.8	4188891.0	8.0	1.83	3.35	0.40	YES	
L0008329	0	0.51392E-06	653470.1	4188883.8	8.0	1.83	3.35	0.40	YES	
L0008330	0	0.51392E-06	653470.5	4188876.6	8.0	1.83	3.35	0.40	YES	
L0008331	0	0.51392E-06	653470.9	4188869.4	8.0	1.83	3.35	0.40	YES	
L0008332	0	0.51392E-06	653471.2	4188862.2	8.0	1.83	3.35	0.40	YES	
L0008333	0	0.51392E-06	653471.6	4188855.0	8.0	1.83	3.35	0.40	YES	
L0008334	0	0.51392E-06	653472.0	4188847.8	8.0	1.83	3.35	0.40	YES	
L0008335	0	0.51392E-06	653472.3	4188840.6	8.0	1.83	3.35	0.40	YES	
L0008336	0	0.51392E-06	653472.7	4188833.4	8.0	1.83	3.35	0.40	YES	
L0008337	0	0.51392E-06	653473.1	4188826.2	8.0	1.83	3.35	0.40	YES	
L0008338	0	0.51392E-06	653473.4	4188819.0	8.0	1.83	3.35	0.40	YES	
L0008339	0	0.51392E-06	653473.8	4188811.8	8.0	1.83	3.35	0.40	YES	
L0008340	0	0.51392E-06	653474.2	4188804.6	8.0	1.83	3.35	0.40	YES	
L0008341	0	0.51392E-06	653474.6	4188797.4	8.0	1.83	3.35	0.40	YES	
L0008342	0	0.51392E-06	653474.9	4188790.2	8.0	1.83	3.35	0.40	YES	
L0008343	0	0.51392E-06	653475.3	4188783.0	8.0	1.83	3.35	0.40	YES	
L0008344	0	0.51392E-06	653475.7	4188775.8	8.0	1.83	3.35	0.40	YES	
L0008345	0	0.74306E-06	653586.4	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008346	0	0.74306E-06	653579.1	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008347	0	0.74306E-06	653571.8	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008348	0	0.74306E-06	653564.5	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008349	0	0.74306E-06	653557.2	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008350	0	0.74306E-06	653550.0	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008351	0	0.74306E-06	653542.7	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008352	0	0.74306E-06	653535.4	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008353	0	0.74306E-06	653528.1	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008354	0	0.74306E-06	653520.8	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008355	0	0.74306E-06	653513.5	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008356	0	0.74306E-06	653506.3	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008357	0	0.74306E-06	653499.0	4188315.0	8.0	1.83	3.39	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008358	0	0.74306E-06	653491.7	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008359	0	0.74306E-06	653484.4	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008360	0	0.74306E-06	653477.1	4188315.0	8.0	1.83	3.39	0.40	YES	
L0008361	0	0.74306E-06	653469.9	4188315.0	8.0	1.83	3.39	0.40	YES	

L0008362	0	0.74306E-06	653462.6	4188315.0	8.0	1.83	3.39	0.40	YES
L0008363	0	0.74306E-06	653460.4	4188320.5	8.0	1.83	3.40	0.40	YES
L0008364	0	0.74306E-06	653459.9	4188327.8	8.0	1.83	3.40	0.40	YES
L0008365	0	0.74306E-06	653459.4	4188335.0	8.0	1.83	3.40	0.40	YES
L0008366	0	0.74306E-06	653458.9	4188342.3	8.0	1.83	3.40	0.40	YES
L0008367	0	0.74306E-06	653458.4	4188349.6	8.0	1.83	3.40	0.40	YES
L0008368	0	0.74306E-06	653457.9	4188356.9	8.0	1.83	3.40	0.40	YES
L0008369	0	0.74306E-06	653457.4	4188364.2	8.0	1.83	3.40	0.40	YES
L0008370	0	0.74306E-06	653456.9	4188371.5	8.0	1.83	3.40	0.40	YES
L0008371	0	0.74306E-06	653456.4	4188378.8	8.0	1.83	3.40	0.40	YES
L0008372	0	0.74306E-06	653455.9	4188386.1	8.0	1.83	3.40	0.40	YES
L0008373	0	0.74306E-06	653455.4	4188393.4	8.0	1.83	3.40	0.40	YES
L0008374	0	0.74306E-06	653454.9	4188400.7	8.0	1.83	3.40	0.40	YES
L0008375	0	0.74306E-06	653454.4	4188408.0	8.0	1.83	3.40	0.40	YES
L0008376	0	0.74306E-06	653453.9	4188415.3	8.0	1.83	3.40	0.40	YES
L0008377	0	0.74306E-06	653453.5	4188422.5	8.0	1.83	3.40	0.40	YES
L0008378	0	0.74306E-06	653453.0	4188429.8	8.0	1.83	3.40	0.40	YES
L0008379	0	0.74306E-06	653452.5	4188437.1	8.0	1.83	3.40	0.40	YES
L0008380	0	0.74306E-06	653452.0	4188444.4	8.0	1.83	3.40	0.40	YES
L0008381	0	0.74306E-06	653451.5	4188451.7	8.0	1.83	3.40	0.40	YES
L0008382	0	0.74306E-06	653451.0	4188459.0	8.0	1.83	3.40	0.40	YES
L0008383	0	0.74306E-06	653450.5	4188466.3	8.0	1.83	3.40	0.40	YES
L0008384	0	0.74306E-06	653450.0	4188473.6	8.0	1.83	3.40	0.40	YES
L0008385	0	0.74306E-06	653449.5	4188480.9	8.0	1.83	3.40	0.40	YES
L0008386	0	0.74306E-06	653449.0	4188488.2	8.0	1.83	3.40	0.40	YES
L0008387	0	0.74306E-06	653448.5	4188495.5	8.0	1.83	3.40	0.40	YES
L0008388	0	0.74306E-06	653448.0	4188502.8	8.0	1.83	3.40	0.40	YES
L0008389	0	0.74306E-06	653447.5	4188510.0	8.0	1.83	3.40	0.40	YES
L0008390	0	0.74306E-06	653447.0	4188517.3	8.0	1.83	3.40	0.40	YES
L0008391	0	0.74306E-06	653446.5	4188524.6	8.0	1.83	3.40	0.40	YES
L0008392	0	0.74306E-06	653446.0	4188531.9	8.0	1.83	3.40	0.40	YES
L0008393	0	0.74306E-06	653445.5	4188539.2	8.0	1.83	3.40	0.40	YES
L0008394	0	0.74306E-06	653445.0	4188546.5	8.0	1.83	3.40	0.40	YES
L0008395	0	0.74306E-06	653444.5	4188553.8	8.0	1.83	3.40	0.40	YES
L0008396	0	0.74306E-06	653444.1	4188561.1	8.0	1.83	3.40	0.40	YES
L0008397	0	0.74306E-06	653443.6	4188568.4	8.0	1.83	3.40	0.40	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008398	0	0.74306E-06	653443.1	4188575.7	8.0	1.83	3.40	0.40	YES	
L0008399	0	0.74306E-06	653444.1	4188582.5	8.0	1.83	3.24	0.40	YES	
L0008400	0	0.74306E-06	653445.6	4188589.3	8.0	1.83	3.24	0.40	YES	
L0008401	0	0.74306E-06	653447.2	4188596.1	8.0	1.83	3.24	0.40	YES	
L0008402	0	0.74306E-06	653448.8	4188602.9	8.0	1.83	3.24	0.40	YES	
L0008403	0	0.74306E-06	653450.3	4188609.7	8.0	1.83	3.24	0.40	YES	
L0008404	0	0.74306E-06	653451.9	4188616.5	8.0	1.83	3.24	0.40	YES	
L0008405	0	0.74306E-06	653453.4	4188623.3	8.0	1.83	3.24	0.40	YES	
L0008406	0	0.74306E-06	653455.0	4188630.1	8.0	1.83	3.24	0.40	YES	
L0008407	0	0.74306E-06	653456.5	4188636.8	8.0	1.83	3.24	0.40	YES	
L0008408	0	0.74306E-06	653458.1	4188643.6	8.0	1.83	3.24	0.40	YES	
L0008409	0	0.74306E-06	653459.6	4188650.4	8.0	1.83	3.24	0.40	YES	
L0008410	0	0.74306E-06	653461.2	4188657.2	8.0	1.83	3.24	0.40	YES	
L0008411	0	0.74306E-06	653462.8	4188664.0	8.0	1.83	3.24	0.40	YES	
L0008412	0	0.74306E-06	653464.3	4188670.8	8.0	1.83	3.24	0.40	YES	
L0008413	0	0.74306E-06	653465.9	4188677.6	8.0	1.83	3.24	0.40	YES	
L0008414	0	0.74306E-06	653467.4	4188684.4	8.0	1.83	3.24	0.40	YES	
L0008415	0	0.74306E-06	653469.0	4188691.2	8.0	1.83	3.24	0.40	YES	
L0008416	0	0.74306E-06	653470.5	4188698.0	8.0	1.83	3.24	0.40	YES	
L0008417	0	0.11360E-05	653585.3	4188289.2	8.0	1.83	3.34	0.40	YES	
L0008418	0	0.11360E-05	653578.1	4188288.9	8.0	1.83	3.34	0.40	YES	
L0008419	0	0.11360E-05	653571.0	4188288.6	8.0	1.83	3.34	0.40	YES	
L0008420	0	0.11360E-05	653563.8	4188288.4	8.0	1.83	3.34	0.40	YES	
L0008421	0	0.11360E-05	653556.6	4188288.1	8.0	1.83	3.34	0.40	YES	
L0008422	0	0.11360E-05	653549.5	4188287.8	8.0	1.83	3.34	0.40	YES	
L0008423	0	0.11360E-05	653542.3	4188287.5	8.0	1.83	3.34	0.40	YES	
L0008424	0	0.11360E-05	653535.1	4188287.3	8.0	1.83	3.34	0.40	YES	
L0008425	0	0.11360E-05	653528.0	4188287.0	8.0	1.83	3.34	0.40	YES	
L0008426	0	0.11360E-05	653520.8	4188286.7	8.0	1.83	3.34	0.40	YES	
L0008427	0	0.11360E-05	653513.6	4188286.4	8.0	1.83	3.34	0.40	YES	
L0008428	0	0.11360E-05	653506.4	4188286.1	8.0	1.83	3.34	0.40	YES	
L0008429	0	0.11360E-05	653499.3	4188285.9	8.0	1.83	3.34	0.40	YES	
L0008430	0	0.11360E-05	653492.1	4188285.6	8.0	1.83	3.34	0.40	YES	
L0008431	0	0.11360E-05	653484.9	4188285.3	8.0	1.83	3.34	0.40	YES	
L0008432	0	0.11360E-05	653477.8	4188285.0	8.0	1.83	3.34	0.40	YES	
L0008433	0	0.11360E-05	653470.6	4188284.8	8.0	1.83	3.34	0.40	YES	
L0008434	0	0.11360E-05	653463.4	4188284.5	8.0	1.83	3.34	0.40	YES	
L0008435	0	0.11360E-05	653456.3	4188284.2	8.0	1.83	3.34	0.40	YES	
L0008436	0	0.11360E-05	653449.1	4188283.9	8.0	1.83	3.34	0.40	YES	
L0008437	0	0.11360E-05	653441.9	4188283.7	8.0	1.83	3.34	0.40	YES	

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008438	0	0.11360E-05	653434.8	4188283.4	8.0	1.83	3.34	0.40	YES	
L0008439	0	0.11360E-05	653427.6	4188283.1	8.0	1.83	3.34	0.40	YES	

L0008440	0	0.11360E-05	653420.4	4188282.8	8.0	1.83	3.34	0.40	YES
L0008441	0	0.11360E-05	653413.3	4188282.6	8.0	1.83	3.34	0.40	YES
L0008442	0	0.27129E-05	653158.1	4188708.0	8.0	8.00	5.09	0.86	YES
L0008443	0	0.27129E-05	653157.7	4188718.9	8.0	8.00	5.09	0.86	YES
L0008444	0	0.27129E-05	653157.2	4188729.8	8.0	8.00	5.09	0.86	YES
L0008445	0	0.27129E-05	653156.8	4188740.8	8.0	8.00	5.09	0.86	YES
L0008446	0	0.27129E-05	653156.4	4188751.7	8.0	8.00	5.09	0.86	YES
L0008447	0	0.27129E-05	653155.9	4188762.6	8.0	8.00	5.09	0.86	YES
L0008448	0	0.27129E-05	653155.5	4188773.6	8.0	8.00	5.09	0.86	YES
L0008449	0	0.27129E-05	653155.1	4188784.5	8.0	8.00	5.09	0.86	YES
L0008450	0	0.27129E-05	653154.7	4188795.4	8.0	8.00	5.09	0.86	YES
L0008451	0	0.27129E-05	653154.2	4188806.3	8.0	8.00	5.09	0.86	YES
L0008452	0	0.27129E-05	653153.8	4188817.3	8.0	8.00	5.09	0.86	YES
L0008453	0	0.27129E-05	653153.4	4188828.2	8.0	8.00	5.09	0.86	YES
L0008454	0	0.27129E-05	653153.0	4188839.1	8.0	8.00	5.09	0.86	YES
L0008455	0	0.27129E-05	653152.5	4188850.0	8.0	8.00	5.09	0.86	YES
L0008456	0	0.27129E-05	653152.1	4188861.0	8.0	8.00	5.09	0.86	YES
L0008457	0	0.27129E-05	653151.7	4188871.9	8.0	8.00	5.09	0.86	YES
L0008458	0	0.27129E-05	653151.3	4188882.8	8.0	8.00	5.09	0.86	YES
L0008459	0	0.27129E-05	653150.8	4188893.8	8.0	8.00	5.09	0.86	YES
L0008460	0	0.27129E-05	653150.4	4188904.7	8.0	8.00	5.09	0.86	YES
L0008461	0	0.27129E-05	653150.0	4188915.6	8.0	8.00	5.09	0.86	YES
L0008462	0	0.27129E-05	653149.5	4188926.5	8.0	8.00	5.09	0.86	YES
L0008463	0	0.27129E-05	653149.1	4188937.5	8.0	8.00	5.09	0.86	YES
L0008464	0	0.27129E-05	653148.7	4188948.4	8.0	8.00	5.09	0.86	YES
L0008465	0	0.27129E-05	653148.3	4188959.3	8.0	8.00	5.09	0.86	YES
L0008466	0	0.27129E-05	653147.8	4188970.2	8.0	8.00	5.09	0.86	YES
L0008467	0	0.27129E-05	653147.4	4188981.2	8.0	8.00	5.09	0.86	YES
L0008468	0	0.27129E-05	653147.0	4188992.1	8.0	8.00	5.09	0.86	YES
L0008469	0	0.27129E-05	653146.6	4189003.0	8.0	8.00	5.09	0.86	YES
L0008470	0	0.27129E-05	653146.1	4189014.0	8.0	8.00	5.09	0.86	YES
L0008471	0	0.27129E-05	653145.7	4189024.9	8.0	8.00	5.09	0.86	YES
L0008472	0	0.27129E-05	653145.3	4189035.8	8.0	8.00	5.09	0.86	YES
L0008473	0	0.27129E-05	653144.9	4189046.7	8.0	8.00	5.09	0.86	YES
L0008474	0	0.27129E-05	653144.4	4189057.7	8.0	8.00	5.09	0.86	YES
L0008475	0	0.27129E-05	653144.0	4189068.6	8.0	8.00	5.09	0.86	YES
L0008476	0	0.27129E-05	653143.6	4189079.5	8.0	8.00	5.09	0.86	YES
L0008477	0	0.27129E-05	653143.1	4189090.4	8.0	8.00	5.09	0.86	YES

**MODELOPTs: NonDFAULT CONC FLAT
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008478	0	0.27129E-05	653142.7	4189101.4	8.0	8.00	5.09	0.86	YES	
L0008479	0	0.27129E-05	653142.3	4189112.3	8.0	8.00	5.09	0.86	YES	
L0008480	0	0.27129E-05	653141.9	4189123.2	8.0	8.00	5.09	0.86	YES	
L0008481	0	0.27129E-05	653141.4	4189134.2	8.0	8.00	5.09	0.86	YES	
L0008482	0	0.27129E-05	653141.0	4189145.1	8.0	8.00	5.09	0.86	YES	
L0008483	0	0.27129E-05	653140.6	4189156.0	8.0	8.00	5.09	0.86	YES	
L0008484	0	0.27129E-05	653140.2	4189166.9	8.0	8.00	5.09	0.86	YES	
L0008485	0	0.27129E-05	653139.7	4189177.9	8.0	8.00	5.09	0.86	YES	
L0008486	0	0.27129E-05	653139.3	4189188.8	8.0	8.00	5.09	0.86	YES	
L0008487	0	0.27129E-05	653138.9	4189199.7	8.0	8.00	5.09	0.86	YES	
L0008488	0	0.27129E-05	653138.5	4189210.6	8.0	8.00	5.09	0.86	YES	
L0008489	0	0.27129E-05	653138.0	4189221.6	8.0	8.00	5.09	0.86	YES	
L0008490	0	0.27129E-05	653137.6	4189232.5	8.0	8.00	5.09	0.86	YES	
L0008491	0	0.27129E-05	653137.2	4189243.4	8.0	8.00	5.09	0.86	YES	
L0008492	0	0.27129E-05	653136.7	4189254.4	8.0	8.00	5.09	0.86	YES	
L0008493	0	0.27129E-05	653136.3	4189265.3	8.0	8.00	5.09	0.86	YES	
L0008494	0	0.27129E-05	653135.9	4189276.2	8.0	8.00	5.09	0.86	YES	
L0008495	0	0.27129E-05	653135.5	4189287.1	8.0	8.00	5.09	0.86	YES	
L0008496	0	0.27129E-05	653135.0	4189298.1	8.0	8.00	5.09	0.86	YES	
L0008497	0	0.27129E-05	653134.6	4189309.0	8.0	8.00	5.09	0.86	YES	
L0008498	0	0.27129E-05	653134.2	4189319.9	8.0	8.00	5.09	0.86	YES	
L0008499	0	0.27129E-05	653133.8	4189330.9	8.0	8.00	5.09	0.86	YES	
L0008500	0	0.27129E-05	653133.3	4189341.8	8.0	8.00	5.09	0.86	YES	
L0008501	0	0.27129E-05	653132.9	4189352.7	8.0	8.00	5.09	0.86	YES	
L0008502	0	0.27129E-05	653132.5	4189363.6	8.0	8.00	5.09	0.86	YES	
L0008503	0	0.27129E-05	653132.1	4189374.6	8.0	8.00	5.09	0.86	YES	
L0008504	0	0.27129E-05	653131.6	4189385.5	8.0	8.00	5.09	0.86	YES	
L0008505	0	0.27129E-05	653131.2	4189396.4	8.0	8.00	5.09	0.86	YES	
L0008506	0	0.27129E-05	653130.8	4189407.3	8.0	8.00	5.09	0.86	YES	
L0008507	0	0.27129E-05	653130.3	4189418.3	8.0	8.00	5.09	0.86	YES	
L0008508	0	0.27129E-05	653129.9	4189429.2	8.0	8.00	5.09	0.86	YES	
L0008509	0	0.27129E-05	653129.5	4189440.1	8.0	8.00	5.09	0.86	YES	
L0008510	0	0.27129E-05	653129.1	4189451.1	8.0	8.00	5.09	0.86	YES	
L0008511	0	0.27129E-05	653128.6	4189462.0	8.0	8.00	5.09	0.86	YES	
L0008512	0	0.27129E-05	653128.2	4189472.9	8.0	8.00	5.09	0.86	YES	
L0008513	0	0.27129E-05	653127.8	4189483.8	8.0	8.00	5.09	0.86	YES	
L0008514	0	0.27129E-05	653127.4	4189494.8	8.0	8.00	5.09	0.86	YES	
L0008515	0	0.27129E-05	653126.9	4189505.7	8.0	8.00	5.09	0.86	YES	
L0008516	0	0.27129E-05	653126.5	4189516.6	8.0	8.00	5.09	0.86	YES	
L0008517	0	0.27129E-05	653126.1	4189527.5	8.0	8.00	5.09	0.86	YES	

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*** VOLUME SOURCE DATA ***

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L0008518	0	0.27129E-05	653125.6	4189538.5	8.0	8.00	5.09	0.86	YES
L0008519	0	0.27129E-05	653125.2	4189549.4	8.0	8.00	5.09	0.86	YES
L0008520	0	0.27129E-05	653124.8	4189560.3	8.0	8.00	5.09	0.86	YES
L0008521	0	0.27129E-05	653124.4	4189571.3	8.0	8.00	5.09	0.86	YES
L0008522	0	0.27129E-05	653123.9	4189582.2	8.0	8.00	5.09	0.86	YES
L0008523	0	0.27129E-05	653123.5	4189593.1	8.0	8.00	5.09	0.86	YES
L0008524	0	0.27129E-05	653123.1	4189604.0	8.0	8.00	5.09	0.86	YES
L0008525	0	0.27129E-05	653122.7	4189615.0	8.0	8.00	5.09	0.86	YES
L0008526	0	0.27129E-05	653122.2	4189625.9	8.0	8.00	5.09	0.86	YES
L0008527	0	0.27129E-05	653121.8	4189636.8	8.0	8.00	5.09	0.86	YES
L0008528	0	0.27129E-05	653121.4	4189647.7	8.0	8.00	5.09	0.86	YES
L0008529	0	0.27129E-05	653121.0	4189658.7	8.0	8.00	5.09	0.86	YES
L0008530	0	0.27129E-05	653120.5	4189669.6	8.0	8.00	5.09	0.86	YES
L0008531	0	0.27129E-05	653120.1	4189680.5	8.0	8.00	5.09	0.86	YES
L0008532	0	0.27129E-05	653119.7	4189691.5	8.0	8.00	5.09	0.86	YES
L0008533	0	0.27129E-05	653119.2	4189702.4	8.0	8.00	5.09	0.86	YES
L0008534	0	0.27129E-05	653118.8	4189713.3	8.0	8.00	5.09	0.86	YES
L0008535	0	0.27129E-05	653118.4	4189724.2	8.0	8.00	5.09	0.86	YES
L0008536	0	0.27129E-05	653118.0	4189735.2	8.0	8.00	5.09	0.86	YES
L0008537	0	0.27129E-05	653117.5	4189746.1	8.0	8.00	5.09	0.86	YES
L0008538	0	0.27129E-05	653117.1	4189757.0	8.0	8.00	5.09	0.86	YES
L0008539	0	0.27129E-05	653116.7	4189767.9	8.0	8.00	5.09	0.86	YES
L0008540	0	0.27129E-05	653116.3	4189778.9	8.0	8.00	5.09	0.86	YES
L0008541	0	0.27129E-05	653115.8	4189789.8	8.0	8.00	5.09	0.86	YES
L0008542	0	0.27129E-05	653115.4	4189800.7	8.0	8.00	5.09	0.86	YES
L0008543	0	0.27129E-05	653115.0	4189811.7	8.0	8.00	5.09	0.86	YES
L0008544	0	0.27129E-05	653114.6	4189822.6	8.0	8.00	5.09	0.86	YES
L0008545	0	0.27129E-05	653114.1	4189833.5	8.0	8.00	5.09	0.86	YES
L0008546	0	0.27129E-05	653113.7	4189844.4	8.0	8.00	5.09	0.86	YES
L0008547	0	0.27129E-05	653113.3	4189855.4	8.0	8.00	5.09	0.86	YES
L0008548	0	0.27129E-05	653112.8	4189866.3	8.0	8.00	5.09	0.86	YES
L0008549	0	0.27129E-05	653112.4	4189877.2	8.0	8.00	5.09	0.86	YES
L0008550	0	0.27129E-05	653112.0	4189888.1	8.0	8.00	5.09	0.86	YES
L0008551	0	0.27129E-05	653111.6	4189899.1	8.0	8.00	5.09	0.86	YES
L0008552	0	0.27129E-05	653111.1	4189910.0	8.0	8.00	5.09	0.86	YES
L0008553	0	0.27129E-05	653110.7	4189920.9	8.0	8.00	5.09	0.86	YES
L0008554	0	0.27129E-05	653110.3	4189931.9	8.0	8.00	5.09	0.86	YES
L0008555	0	0.27129E-05	653109.9	4189942.8	8.0	8.00	5.09	0.86	YES
L0008556	0	0.27129E-05	653109.4	4189953.7	8.0	8.00	5.09	0.86	YES
L0008557	0	0.27129E-05	653109.0	4189964.6	8.0	8.00	5.09	0.86	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008558	0	0.27129E-05	653108.6	4189975.6	8.0	8.00	5.09	0.86	YES	
L0008559	0	0.27129E-05	653108.2	4189986.5	8.0	8.00	5.09	0.86	YES	
L0008560	0	0.27129E-05	653107.7	4189997.4	8.0	8.00	5.09	0.86	YES	
L0008561	0	0.27129E-05	653107.3	4190008.3	8.0	8.00	5.09	0.86	YES	
L0008562	0	0.27129E-05	653106.9	4190019.3	8.0	8.00	5.09	0.86	YES	
L0008563	0	0.27129E-05	653106.4	4190030.2	8.0	8.00	5.09	0.86	YES	
L0008564	0	0.27129E-05	653106.0	4190041.1	8.0	8.00	5.09	0.86	YES	
L0008565	0	0.27129E-05	653105.6	4190052.1	8.0	8.00	5.09	0.86	YES	
L0008566	0	0.27129E-05	653105.2	4190063.0	8.0	8.00	5.09	0.86	YES	
L0008567	0	0.27129E-05	653104.7	4190073.9	8.0	8.00	5.09	0.86	YES	
L0008568	0	0.27129E-05	653104.3	4190084.8	8.0	8.00	5.09	0.86	YES	
L0008569	0	0.27129E-05	653103.9	4190095.8	8.0	8.00	5.09	0.86	YES	
L0008570	0	0.27129E-05	653103.5	4190106.7	8.0	8.00	5.09	0.86	YES	
L0008571	0	0.27129E-05	653103.0	4190117.6	8.0	8.00	5.09	0.86	YES	
L0008572	0	0.27129E-05	653102.6	4190128.5	8.0	8.00	5.09	0.86	YES	
L0008573	0	0.27129E-05	653102.2	4190139.5	8.0	8.00	5.09	0.86	YES	
L0008574	0	0.27129E-05	653101.8	4190150.4	8.0	8.00	5.09	0.86	YES	
L0008575	0	0.27129E-05	653101.3	4190161.3	8.0	8.00	5.09	0.86	YES	
L0008576	0	0.27129E-05	653100.9	4190172.3	8.0	8.00	5.09	0.86	YES	
L0008577	0	0.27129E-05	653100.5	4190183.2	8.0	8.00	5.09	0.86	YES	
L0008578	0	0.27129E-05	653100.0	4190194.1	8.0	8.00	5.09	0.86	YES	
L0008579	0	0.27129E-05	653099.6	4190205.0	8.0	8.00	5.09	0.86	YES	
L0008580	0	0.27129E-05	653099.2	4190216.0	8.0	8.00	5.09	0.86	YES	
L0008581	0	0.27129E-05	653098.8	4190226.9	8.0	8.00	5.09	0.86	YES	
L0008582	0	0.27129E-05	653098.3	4190237.8	8.0	8.00	5.09	0.86	YES	
L0008583	0	0.27129E-05	653097.9	4190248.8	8.0	8.00	5.09	0.86	YES	
L0008584	0	0.27129E-05	653097.5	4190259.7	8.0	8.00	5.09	0.86	YES	
L0008585	0	0.27129E-05	653097.1	4190270.6	8.0	8.00	5.09	0.86	YES	
L0008586	0	0.27129E-05	653096.6	4190281.5	8.0	8.00	5.09	0.86	YES	
L0008587	0	0.27129E-05	653096.2	4190292.5	8.0	8.00	5.09	0.86	YES	
L0008588	0	0.27129E-05	653095.8	4190303.4	8.0	8.00	5.09	0.86	YES	
L0008589	0	0.27129E-05	653095.4	4190314.3	8.0	8.00	5.09	0.86	YES	
L0008590	0	0.27129E-05	653094.9	4190325.2	8.0	8.00	5.09	0.86	YES	
L0008591	0	0.27129E-05	653094.5	4190336.2	8.0	8.00	5.09	0.86	YES	
L0008592	0	0.27129E-05	653094.1	4190347.1	8.0	8.00	5.09	0.86	YES	
L0008593	0	0.27129E-05	653093.6	4190358.0	8.0	8.00	5.09	0.86	YES	
L0008594	0	0.27129E-05	653093.2	4190369.0	8.0	8.00	5.09	0.86	YES	
L0008595	0	0.27129E-05	653092.8	4190379.9	8.0	8.00	5.09	0.86	YES	
L0008596	0	0.27129E-05	653092.4	4190390.8	8.0	8.00	5.09	0.86	YES	
L0008597	0	0.27129E-05	653091.9	4190401.7	8.0	8.00	5.09	0.86	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY

L0008598	0	0.27129E-05	653091.5	4190412.7	8.0	8.00	5.09	0.86	YES
L0008599	0	0.27129E-05	653091.1	4190423.6	8.0	8.00	5.09	0.86	YES
L0008600	0	0.27129E-05	653090.7	4190434.5	8.0	8.00	5.09	0.86	YES
L0008601	0	0.27129E-05	653090.2	4190445.4	8.0	8.00	5.09	0.86	YES
L0008602	0	0.27129E-05	653089.8	4190456.4	8.0	8.00	5.09	0.86	YES
L0008603	0	0.27129E-05	653089.4	4190467.3	8.0	8.00	5.09	0.86	YES
L0008604	0	0.27129E-05	653089.0	4190478.2	8.0	8.00	5.09	0.86	YES
L0008605	0	0.27129E-05	653088.5	4190489.2	8.0	8.00	5.09	0.86	YES
L0008606	0	0.27129E-05	653088.1	4190500.1	8.0	8.00	5.09	0.86	YES
L0008607	0	0.27129E-05	653087.7	4190511.0	8.0	8.00	5.09	0.86	YES
L0008608	0	0.27129E-05	653087.2	4190521.9	8.0	8.00	5.05	0.86	YES
L0008609	0	0.27129E-05	653086.8	4190532.7	8.0	8.00	5.05	0.86	YES
L0008610	0	0.27129E-05	653086.3	4190543.6	8.0	8.00	5.05	0.86	YES
L0008611	0	0.27129E-05	653085.9	4190554.4	8.0	8.00	5.05	0.86	YES
L0008612	0	0.27129E-05	653085.5	4190565.3	8.0	8.00	5.05	0.86	YES
L0008613	0	0.27129E-05	653085.0	4190576.1	8.0	8.00	5.05	0.86	YES
L0008614	0	0.27129E-05	653084.6	4190587.0	8.0	8.00	5.05	0.86	YES
L0008615	0	0.27129E-05	653084.1	4190597.8	8.0	8.00	5.05	0.86	YES
L0008616	0	0.27129E-05	653083.7	4190608.6	8.0	8.00	5.05	0.86	YES
L0008617	0	0.27129E-05	653083.2	4190619.5	8.0	8.00	5.05	0.86	YES
L0008618	0	0.27129E-05	653082.8	4190630.3	8.0	8.00	5.05	0.86	YES
L0008619	0	0.27129E-05	653082.3	4190641.2	8.0	8.00	5.05	0.86	YES
L0008620	0	0.27129E-05	653081.9	4190652.0	8.0	8.00	5.05	0.86	YES
L0008621	0	0.27129E-05	653081.4	4190662.9	8.0	8.00	5.05	0.86	YES
L0008622	0	0.27129E-05	653081.0	4190673.7	8.0	8.00	5.05	0.86	YES
L0008623	0	0.27129E-05	653080.6	4190684.6	8.0	8.00	5.05	0.86	YES
L0008624	0	0.27129E-05	653080.1	4190695.4	8.0	8.00	5.05	0.86	YES
L0008625	0	0.27129E-05	653079.7	4190706.3	8.0	8.00	5.05	0.86	YES
L0008626	0	0.27129E-05	653079.2	4190717.1	8.0	8.00	5.05	0.86	YES
L0008627	0	0.27129E-05	653078.8	4190728.0	8.0	8.00	5.05	0.86	YES
L0008628	0	0.27129E-05	653078.3	4190738.8	8.0	8.00	5.05	0.86	YES
L0008629	0	0.27129E-05	653077.9	4190749.7	8.0	8.00	5.05	0.86	YES
L0008630	0	0.27129E-05	653077.4	4190760.5	8.0	8.00	5.05	0.86	YES
L0008631	0	0.27129E-05	653077.0	4190771.4	8.0	8.00	5.05	0.86	YES
L0008632	0	0.27129E-05	653076.6	4190782.2	8.0	8.00	5.05	0.86	YES
L0008633	0	0.27129E-05	653076.1	4190793.1	8.0	8.00	5.05	0.86	YES
L0008634	0	0.27129E-05	653075.7	4190803.9	8.0	8.00	5.05	0.86	YES
L0008635	0	0.27129E-05	653075.2	4190814.8	8.0	8.00	5.05	0.86	YES
L0008636	0	0.27129E-05	653074.8	4190825.6	8.0	8.00	5.05	0.86	YES
L0008637	0	0.27129E-05	653074.3	4190836.5	8.0	8.00	5.05	0.86	YES

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0008638	0	0.27129E-05	653073.9	4190847.3	8.0	8.00	5.05	0.86	YES	
L0008639	0	0.27129E-05	653073.4	4190858.2	8.0	8.00	5.05	0.86	YES	
L0008640	0	0.27129E-05	653073.0	4190869.0	8.0	8.00	5.05	0.86	YES	
L0008641	0	0.27129E-05	653072.6	4190879.9	8.0	8.00	5.05	0.86	YES	
L0008642	0	0.27129E-05	653072.1	4190890.7	8.0	8.00	5.05	0.86	YES	
L0008643	0	0.27129E-05	653071.7	4190901.6	8.0	8.00	5.05	0.86	YES	
L0008644	0	0.27129E-05	653071.2	4190912.4	8.0	8.00	5.05	0.86	YES	
L0008645	0	0.27129E-05	653070.8	4190923.3	8.0	8.00	5.05	0.86	YES	
L0008646	0	0.27129E-05	653070.3	4190934.1	8.0	8.00	5.05	0.86	YES	
L0008647	0	0.27129E-05	653069.9	4190945.0	8.0	8.00	5.05	0.86	YES	
L0008648	0	0.27129E-05	653069.4	4190955.8	8.0	8.00	5.05	0.86	YES	
L0008649	0	0.27129E-05	653069.0	4190966.7	8.0	8.00	5.05	0.86	YES	
L0008650	0	0.27129E-05	653068.6	4190977.5	8.0	8.00	5.05	0.86	YES	

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ALL L0007118, L0007119, L0007120, L0007121, L0007122, L0007123, L0007124, L0007125, L0007126, L0007127, L0007128, L0007129,
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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

L0007358, L0007359, L0007360, L0007361, L0007362, L0007363, L0007364, L0007365, L0007366, L0007367, L0007368, L0007369,

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

ICIC4_2 , ICIC4_3 , ICIC5_1 , ICIC5_2 , ICIC5_3 , L0007586, L0007587, L0007588, L0007589, L0007590, L0007591, L0007592,

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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L0008049, L0008050, L0008051, L0008052, L0008053, L0008054, L0008055, L0008056, L0008057, L0008058, L0008059, L0008060,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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INCIC3_1, INCIC3_2, INCIC4_1, INCIC4_2, INCIC5_1, INCIC5_2, INCIC6 , INCIC7 , INCIC8 , INCIC9 , INCIC10 , INCIC11 ,

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

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**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC1_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-105.0,	-58.0,	2	12.2,	452.6,	713.8,	-96.6,	-13.0,
3	12.2,	542.8,	687.7,	-85.2,	32.5,	4	12.2,	616.4,	640.8,	-71.3,	76.9,
5	12.2,	671.4,	574.3,	-55.2,	119.0,	6	12.2,	705.9,	490.5,	-37.5,	157.4,
7	12.2,	719.0,	391.7,	-18.6,	191.1,	8	12.2,	710.3,	281.0,	0.9,	219.0,
9	12.2,	700.7,	234.2,	-15.9,	240.2,	10	12.2,	718.2,	348.7,	-116.4,	254.1,

11	12.2,	713.8,	452.6,	-213.4,	260.3,	12	12.2,	687.7,	542.8,	-303.8,	258.6,
13	12.2,	640.8,	616.4,	-385.1,	249.1,	14	12.2,	574.3,	671.4,	-454.7,	231.9,
15	12.2,	490.5,	705.9,	-510.4,	207.8,	16	12.2,	391.7,	719.0,	-550.6,	177.3,
17	12.2,	281.0,	710.3,	-574.1,	141.4,	18	12.2,	234.2,	700.7,	-590.6,	101.2,
19	12.2,	348.7,	718.2,	-613.2,	58.0,	20	12.2,	452.6,	713.8,	-617.2,	13.0,
21	12.2,	542.8,	687.7,	-602.5,	-32.5,	22	12.2,	616.4,	640.8,	-569.4,	-76.9,
23	12.2,	671.4,	574.3,	-519.1,	-119.0,	24	12.2,	705.9,	490.5,	-453.0,	-157.4,
25	12.2,	719.0,	391.7,	-373.1,	-191.1,	26	12.2,	710.3,	281.0,	-281.9,	-219.0,
27	12.2,	700.7,	234.2,	-218.3,	-240.2,	28	12.2,	718.2,	348.7,	-232.3,	-254.1,
29	12.2,	713.8,	452.6,	-239.2,	-260.3,	30	12.2,	687.7,	542.8,	-238.9,	-258.6,
31	12.2,	640.8,	616.4,	-231.4,	-249.1,	32	12.2,	574.3,	671.4,	-216.7,	-231.9,
33	12.2,	490.5,	705.9,	-195.6,	-207.8,	34	12.2,	391.7,	719.0,	-168.4,	-177.3,
35	12.2,	281.0,	710.3,	-136.2,	-141.4,	36	12.2,	234.2,	700.7,	-110.1,	-101.2,

SOURCE ID: ICIC1_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-278.5,	-98.4,	2	12.2,	452.6,	713.8,	-260.4,	-82.9,
3	12.2,	542.8,	687.7,	-234.5,	-64.9,	4	12.2,	616.4,	640.8,	-201.4,	-44.9,
5	12.2,	671.4,	574.3,	-162.2,	-23.6,	6	12.2,	705.9,	490.5,	-118.0,	-1.5,
7	12.2,	719.0,	391.7,	-70.3,	20.6,	8	12.2,	710.3,	281.0,	-20.5,	42.1,
9	12.2,	700.7,	234.2,	-6.2,	62.3,	10	12.2,	718.2,	348.7,	-75.9,	80.6,
11	12.2,	713.8,	452.6,	-143.4,	96.5,	12	12.2,	687.7,	542.8,	-206.5,	109.4,
13	12.2,	640.8,	616.4,	-263.3,	119.0,	14	12.2,	574.3,	671.4,	-312.1,	125.0,
15	12.2,	490.5,	705.9,	-351.5,	127.2,	16	12.2,	391.7,	719.0,	-380.1,	125.5,
17	12.2,	281.0,	710.3,	-397.2,	120.0,	18	12.2,	234.2,	700.7,	-412.7,	110.9,
19	12.2,	348.7,	718.2,	-439.7,	98.4,	20	12.2,	452.6,	713.8,	-453.4,	82.9,
21	12.2,	542.8,	687.7,	-453.3,	64.9,	22	12.2,	616.4,	640.8,	-439.4,	44.9,
23	12.2,	671.4,	574.3,	-412.2,	23.6,	24	12.2,	705.9,	490.5,	-372.4,	1.5,
25	12.2,	719.0,	391.7,	-321.4,	-20.6,	26	12.2,	710.3,	281.0,	-260.5,	-42.1,
27	12.2,	700.7,	234.2,	-228.0,	-62.3,	28	12.2,	718.2,	348.7,	-272.7,	-80.6,
29	12.2,	713.8,	452.6,	-309.2,	-96.5,	30	12.2,	687.7,	542.8,	-336.3,	-109.4,
31	12.2,	640.8,	616.4,	-353.1,	-119.0,	32	12.2,	574.3,	671.4,	-359.3,	-125.0,
33	12.2,	490.5,	705.9,	-354.5,	-127.2,	34	12.2,	391.7,	719.0,	-338.9,	-125.5,
35	12.2,	281.0,	710.3,	-313.1,	-120.0,	36	12.2,	234.2,	700.7,	-288.1,	-110.9,

SOURCE ID: ICIC1_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-436.6,	-132.9,	2	12.2,	452.6,	713.8,	-410.2,	-144.3,
3	12.2,	542.8,	687.7,	-371.3,	-151.4,	4	12.2,	616.4,	640.8,	-321.1,	-153.8,
5	12.2,	671.4,	574.3,	-261.2,	-151.6,	6	12.2,	705.9,	490.5,	-193.3,	-144.8,
7	12.2,	719.0,	391.7,	-119.6,	-133.6,	8	12.2,	710.3,	281.0,	-42.2,	-118.3,
9	12.2,	700.7,	234.2,	0.3,	-99.5,	10	12.2,	718.2,	348.7,	-41.5,	-77.6,
11	12.2,	713.8,	452.6,	-82.0,	-53.3,	12	12.2,	687.7,	542.8,	-120.0,	-27.4,
13	12.2,	640.8,	616.4,	-154.4,	-0.7,	14	12.2,	574.3,	671.4,	-184.1,	26.0,
15	12.2,	490.5,	705.9,	-208.2,	51.9,	16	12.2,	391.7,	719.0,	-225.9,	76.3,
17	12.2,	281.0,	710.3,	-236.8,	98.3,	18	12.2,	234.2,	700.7,	-250.9,	117.4,
19	12.2,	348.7,	718.2,	-281.5,	132.9,	20	12.2,	452.6,	713.8,	-303.6,	144.3,
21	12.2,	542.8,	687.7,	-316.4,	151.4,	22	12.2,	616.4,	640.8,	-319.7,	153.8,
23	12.2,	671.4,	574.3,	-313.2,	151.6,	24	12.2,	705.9,	490.5,	-297.2,	144.8,
25	12.2,	719.0,	391.7,	-272.1,	133.6,	26	12.2,	710.3,	281.0,	-238.8,	118.3,
27	12.2,	700.7,	234.2,	-234.5,	99.5,	28	12.2,	718.2,	348.7,	-307.2,	77.6,
29	12.2,	713.8,	452.6,	-370.6,	53.3,	30	12.2,	687.7,	542.8,	-422.8,	27.4,
31	12.2,	640.8,	616.4,	-462.1,	0.7,	32	12.2,	574.3,	671.4,	-487.3,	-26.0,
33	12.2,	490.5,	705.9,	-497.8,	-51.9,	34	12.2,	391.7,	719.0,	-493.1,	-76.3,
35	12.2,	281.0,	710.3,	-473.5,	-98.3,	36	12.2,	234.2,	700.7,	-449.8,	-117.4,

SOURCE ID: ICIC1_4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	348.7,	718.2,	-584.7,	-168.8,	2	12.2,	452.6,	713.8,	-549.8,	-205.4,
3	12.2,	542.8,	687.7,	-498.1,	-235.8,	4	12.2,	616.4,	640.8,	-431.4,	-259.0,
5	12.2,	671.4,	574.3,	-351.5,	-274.3,	6	12.2,	705.9,	490.5,	-260.9,	-281.3,
7	12.2,	719.0,	391.7,	-162.4,	-279.8,	8	12.2,	710.3,	281.0,	-59.0,	-269.7,
9	12.2,	700.7,	234.2,	10.0,	-251.5,	10	12.2,	718.2,	348.7,	-5.5,	-225.6,
11	12.2,	713.8,	452.6,	-20.9,	-192.9,	12	12.2,	687.7,	542.8,	-35.6,	-154.2,
13	12.2,	640.8,	616.4,	-49.2,	-111.0,	14	12.2,	574.3,	671.4,	-61.3,	-64.3,
15	12.2,	490.5,	705.9,	-71.6,	-15.7,	16	12.2,	391.7,	719.0,	-79.7,	33.4,
17	12.2,	281.0,	710.3,	-85.4,	81.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	348.7,	718.2,	-133.5,	168.8,	20	12.2,	452.6,	713.8,	-164.0,	205.4,
21	12.2,	542.8,	687.7,	-189.6,	235.8,	22	12.2,	616.4,	640.8,	-209.4,	259.0,
23	12.2,	671.4,	574.3,	-222.9,	274.3,	24	12.2,	705.9,	490.5,	-229.6,	281.3,
25	12.2,	719.0,	391.7,	-229.2,	279.8,	26	12.2,	710.3,	281.0,	-222.0,	269.7,
27	12.2,	700.7,	234.2,	-244.2,	251.5,	28	12.2,	718.2,	348.7,	-343.2,	225.6,
29	12.2,	713.8,	452.6,	-431.7,	192.9,	30	12.2,	687.7,	542.8,	-507.2,	154.2,
31	12.2,	640.8,	616.4,	-567.2,	111.0,	32	12.2,	574.3,	671.4,	-610.0,	64.3,
33	12.2,	490.5,	705.9,	-634.3,	15.7,	34	12.2,	391.7,	719.0,	-639.3,	-33.4,
35	12.2,	281.0,	710.3,	-624.9,	-81.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC2_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-40.7,	-81.3,	2	12.2,	367.4,	519.6,	-34.5,	-42.8,
3	12.2,	425.6,	513.2,	-27.4,	-3.1,	4	12.2,	470.9,	491.3,	-19.4,	36.8,
5	12.2,	501.9,	454.5,	-10.8,	75.5,	6	12.2,	517.7,	403.8,	-1.8,	112.0,
7	12.2,	517.7,	340.9,	7.2,	145.0,	8	12.2,	501.9,	267.6,	15.9,	173.6,
9	12.2,	485.2,	219.6,	7.5,	197.0,	10	12.2,	510.1,	298.0,	-67.7,	214.4,
11	12.2,	519.6,	367.4,	-140.9,	225.2,	12	12.2,	513.2,	425.6,	-209.7,	229.2,
13	12.2,	491.3,	470.9,	-272.2,	226.3,	14	12.2,	454.5,	501.9,	-326.5,	216.5,
15	12.2,	403.8,	517.7,	-370.8,	200.1,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-469.4,	81.3,	20	12.2,	367.4,	519.6,	-485.0,	42.8,
21	12.2,	425.6,	513.2,	-485.9,	3.1,	22	12.2,	470.9,	491.3,	-472.0,	-36.8,
23	12.2,	501.9,	454.5,	-443.7,	-75.5,	24	12.2,	517.7,	403.8,	-402.0,	-112.0,
25	12.2,	517.7,	340.9,	-348.0,	-145.0,	26	12.2,	501.9,	267.6,	-283.5,	-173.6,
27	12.2,	485.2,	219.6,	-227.1,	-197.0,	28	12.2,	510.1,	298.0,	-230.3,	-214.4,
29	12.2,	519.6,	367.4,	-226.6,	-225.2,	30	12.2,	513.2,	425.6,	-215.9,	-229.2,
31	12.2,	491.3,	470.9,	-198.7,	-226.3,	32	12.2,	454.5,	501.9,	-175.5,	-216.5,

33	12.2,	403.8,	517.7,	-146.9,	-200.1,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-176.0,	-115.0,	2	12.2,	367.4,	519.6,	-161.9,	-99.5,
3	12.2,	425.6,	513.2,	-143.0,	-81.0,	4	12.2,	470.9,	491.3,	-119.7,	-60.1,
5	12.2,	501.9,	454.5,	-92.7,	-37.3,	6	12.2,	517.7,	403.8,	-63.0,	-13.4,
7	12.2,	517.7,	340.9,	-31.3,	11.0,	8	12.2,	501.9,	267.6,	1.3,	35.0,
9	12.2,	485.2,	219.6,	17.2,	57.9,	10	12.2,	510.1,	298.0,	-34.0,	79.1,
11	12.2,	519.6,	367.4,	-84.2,	97.8,	12	12.2,	513.2,	425.6,	-131.8,	113.6,
13	12.2,	491.3,	470.9,	-175.4,	126.0,	14	12.2,	454.5,	501.9,	-213.7,	134.5,
15	12.2,	403.8,	517.7,	-245.5,	138.9,	16	12.2,	340.9,	517.7,	-269.8,	139.1,
17	12.2,	267.6,	501.9,	-285.9,	135.1,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-334.1,	115.0,	20	12.2,	367.4,	519.6,	-357.6,	99.5,
21	12.2,	425.6,	513.2,	-370.3,	81.0,	22	12.2,	470.9,	491.3,	-371.7,	60.1,
23	12.2,	501.9,	454.5,	-361.7,	37.3,	24	12.2,	517.7,	403.8,	-340.8,	13.4,
25	12.2,	517.7,	340.9,	-309.6,	-11.0,	26	12.2,	501.9,	267.6,	-268.9,	-35.0,
27	12.2,	485.2,	219.6,	-236.8,	-57.9,	28	12.2,	510.1,	298.0,	-264.0,	-79.1,
29	12.2,	519.6,	367.4,	-283.2,	-97.8,	30	12.2,	513.2,	425.6,	-293.9,	-113.6,
31	12.2,	491.3,	470.9,	-295.5,	-126.0,	32	12.2,	454.5,	501.9,	-288.2,	-134.5,
33	12.2,	403.8,	517.7,	-272.2,	-138.9,	34	12.2,	340.9,	517.7,	-247.9,	-139.1,
35	12.2,	267.6,	501.9,	-216.0,	-135.1,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	298.0,	510.1,	-315.0,	-146.1,	2	12.2,	367.4,	519.6,	-293.5,	-154.3,
3	12.2,	425.6,	513.2,	-263.0,	-157.8,	4	12.2,	470.9,	491.3,	-224.6,	-156.5,
5	12.2,	501.9,	454.5,	-179.3,	-150.5,	6	12.2,	517.7,	403.8,	-128.5,	-139.9,
7	12.2,	517.7,	340.9,	-73.9,	-125.0,	8	12.2,	501.9,	267.6,	-17.0,	-106.3,
9	12.2,	485.2,	219.6,	23.7,	-84.4,	10	12.2,	510.1,	298.0,	-2.9,	-60.0,
11	12.2,	519.6,	367.4,	-29.4,	-33.7,	12	12.2,	513.2,	425.6,	-55.0,	-6.4,
13	12.2,	491.3,	470.9,	-79.0,	21.1,	14	12.2,	454.5,	501.9,	-100.5,	48.0,
15	12.2,	403.8,	517.7,	-119.0,	73.4,	16	12.2,	340.9,	517.7,	-133.9,	96.5,
17	12.2,	267.6,	501.9,	-144.7,	116.8,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	298.0,	510.1,	-195.1,	146.1,	20	12.2,	367.4,	519.6,	-226.1,	154.3,
21	12.2,	425.6,	513.2,	-250.2,	157.8,	22	12.2,	470.9,	491.3,	-266.8,	156.5,
23	12.2,	501.9,	454.5,	-275.2,	150.5,	24	12.2,	517.7,	403.8,	-275.3,	139.9,
25	12.2,	517.7,	340.9,	-267.0,	125.0,	26	12.2,	501.9,	267.6,	-250.6,	106.3,
27	12.2,	485.2,	219.6,	-243.3,	84.4,	28	12.2,	510.1,	298.0,	-295.1,	60.0,
29	12.2,	519.6,	367.4,	-338.0,	33.7,	30	12.2,	513.2,	425.6,	-370.6,	6.4,
31	12.2,	491.3,	470.9,	-392.0,	-21.1,	32	12.2,	454.5,	501.9,	-401.4,	-48.0,
33	12.2,	403.8,	517.7,	-398.7,	-73.4,	34	12.2,	340.9,	517.7,	-383.8,	-96.5,
35	12.2,	267.6,	501.9,	-357.3,	-116.8,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC2_4

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	12.2,	425.6,	513.2,	-359.4,	-217.2,	4	12.2,	470.9,	491.3,	-309.2,	-231.8,
5	12.2,	501.9,	454.5,	-249.6,	-239.3,	6	12.2,	517.7,	403.8,	-182.3,	-239.5,
7	12.2,	517.7,	340.9,	-109.6,	-232.5,	8	12.2,	501.9,	267.6,	-33.5,	-218.4,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	510.1,	298.0,	19.9,	-170.9,
11	12.2,	519.6,	367.4,	12.4,	-139.0,	12	12.2,	513.2,	425.6,	4.4,	-102.8,
13	12.2,	491.3,	470.9,	-3.7,	-63.5,	14	12.2,	454.5,	501.9,	-11.7,	-22.3,
15	12.2,	403.8,	517.7,	-19.3,	19.6,	16	12.2,	340.9,	517.7,	-26.4,	60.9,
17	12.2,	267.6,	501.9,	-32.6,	100.3,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	12.2,	425.6,	513.2,	-153.8,	217.2,	22	12.2,	470.9,	491.3,	-182.1,	231.8,
23	12.2,	501.9,	454.5,	-204.9,	239.3,	24	12.2,	517.7,	403.8,	-221.5,	239.5,
25	12.2,	517.7,	340.9,	-231.3,	232.5,	26	12.2,	501.9,	267.6,	-234.1,	218.4,
27	12.2,	485.2,	219.6,	-246.5,	197.7,	28	12.2,	510.1,	298.0,	-318.0,	170.9,
29	12.2,	519.6,	367.4,	-379.8,	139.0,	30	12.2,	513.2,	425.6,	-430.0,	102.8,
31	12.2,	491.3,	470.9,	-467.2,	63.5,	32	12.2,	454.5,	501.9,	-490.2,	22.3,
33	12.2,	403.8,	517.7,	-498.4,	-19.6,	34	12.2,	340.9,	517.7,	-491.3,	-60.9,
35	12.2,	267.6,	501.9,	-469.4,	-100.3,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC3_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-54.8,	48.0,	2	12.2,	161.6,	265.9,	-62.6,	61.1,
3	12.2,	188.0,	207.5,	4.5,	-69.2,	4	12.2,	200.4,	204.9,	16.2,	-49.4,
5	12.2,	247.7,	208.9,	-74.1,	88.1,	6	12.2,	262.3,	176.2,	-73.5,	92.0,
7	12.2,	268.9,	138.1,	-70.7,	93.2,	8	12.2,	267.4,	95.9,	-65.7,	91.5,
9	12.2,	264.5,	78.1,	-72.5,	87.0,	10	12.2,	269.3,	121.7,	-108.8,	79.9,
11	12.2,	203.8,	169.8,	2.1,	94.6,	12	12.2,	207.5,	188.0,	-24.7,	108.2,
13	12.2,	235.2,	225.5,	-194.3,	45.2,	14	12.2,	208.9,	247.7,	-212.0,	30.3,
15	12.2,	176.2,	262.3,	-223.2,	14.6,	16	12.2,	138.1,	268.9,	-227.7,	-1.6,
17	12.2,	95.9,	267.4,	-225.2,	-17.8,	18	12.2,	78.1,	264.5,	-219.3,	-33.4,
19	12.2,	121.7,	269.3,	-214.5,	-48.0,	20	12.2,	161.6,	265.9,	-203.3,	-61.1,
21	12.2,	188.0,	207.5,	-212.0,	69.2,	22	12.2,	200.4,	204.9,	-221.1,	49.4,
23	12.2,	206.7,	196.1,	-223.5,	28.1,	24	12.2,	206.8,	181.4,	-219.0,	5.8,
25	12.2,	200.5,	161.1,	-208.0,	-16.5,	26	12.2,	188.2,	135.9,	-190.6,	-38.4,
27	12.2,	178.0,	118.8,	-173.5,	-59.1,	28	12.2,	193.9,	146.5,	-175.4,	-78.0,
29	12.2,	203.8,	169.8,	-171.9,	-94.6,	30	12.2,	207.5,	188.0,	-163.2,	-108.2,
31	12.2,	235.2,	225.5,	-31.2,	-45.2,	32	12.2,	208.9,	247.7,	-35.7,	-30.3,
33	12.2,	176.2,	262.3,	-39.1,	-14.6,	34	12.2,	138.1,	268.9,	-41.3,	1.6,
35	12.2,	95.9,	267.4,	-42.2,	17.8,	36	12.2,	78.1,	264.5,	-45.3,	33.4,

SOURCE ID: ICIC3_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-146.0,	25.4,	2	12.2,	161.6,	265.9,	-148.6,	23.0,
3	12.2,	196.5,	254.5,	-146.6,	19.9,	4	12.2,	225.5,	235.2,	-140.2,	16.3,
5	12.2,	247.7,	208.9,	-129.5,	12.1,	6	12.2,	262.3,	176.2,	-114.8,	7.6,
7	12.2,	268.9,	138.1,	-96.7,	2.8,	8	12.2,	267.4,	95.9,	-75.7,	-2.0,
9	12.2,	264.5,	78.1,	-66.0,	-6.8,	10	12.2,	269.3,	121.7,	-86.2,	-11.4,

11	12.2,	265.9,	161.6,	-103.8,	-15.6,	12	12.2,	254.5,	196.5,	-118.2,	-19.4,
13	12.2,	235.2,	225.5,	-129.0,	-22.5,	14	12.2,	208.9,	247.7,	-135.9,	-25.0,
15	12.2,	176.2,	262.3,	-138.7,	-26.7,	16	12.2,	138.1,	268.9,	-137.3,	-27.7,
17	12.2,	95.9,	267.4,	-131.7,	-27.7,	18	12.2,	78.1,	264.5,	-125.5,	-26.9,
19	12.2,	121.7,	269.3,	-123.3,	-25.4,	20	12.2,	161.6,	265.9,	-117.3,	-23.0,
21	12.2,	196.5,	254.5,	-107.8,	-19.9,	22	12.2,	225.5,	235.2,	-95.1,	-16.3,
23	12.2,	247.7,	208.9,	-79.4,	-12.1,	24	12.2,	262.3,	176.2,	-61.4,	-7.6,
25	12.2,	268.9,	138.1,	-41.4,	-2.8,	26	12.2,	267.4,	95.9,	-20.2,	2.0,
27	12.2,	264.5,	78.1,	-12.1,	6.8,	28	12.2,	269.3,	121.7,	-35.5,	11.4,
29	12.2,	265.9,	161.6,	-57.8,	15.6,	30	12.2,	254.5,	196.5,	-78.3,	19.4,
31	12.2,	235.2,	225.5,	-96.5,	22.5,	32	12.2,	208.9,	247.7,	-111.7,	25.0,
33	12.2,	176.2,	262.3,	-123.6,	26.7,	34	12.2,	138.1,	268.9,	-131.7,	27.7,
35	12.2,	95.9,	267.4,	-135.7,	27.7,	36	12.2,	78.1,	264.5,	-139.1,	26.9,

SOURCE ID: ICIC3_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-239.0,	12.2,	2	12.2,	161.6,	265.9,	-237.8,	-6.1,
3	12.2,	196.5,	254.5,	-229.5,	-24.2,	4	12.2,	225.5,	235.2,	-214.1,	-41.6,
5	12.2,	247.7,	208.9,	-192.2,	-57.7,	6	12.2,	262.3,	176.2,	-164.5,	-72.0,
7	12.2,	268.9,	138.1,	-131.8,	-84.2,	8	12.2,	267.4,	95.9,	-95.1,	-93.8,
9	12.2,	264.5,	78.1,	-69.2,	-100.6,	10	12.2,	269.3,	121.7,	-73.1,	-104.3,
11	12.2,	265.9,	161.6,	-74.7,	-104.9,	12	12.2,	254.5,	196.5,	-74.1,	-102.2,
13	12.2,	235.2,	225.5,	-71.2,	-96.5,	14	12.2,	208.9,	247.7,	-66.1,	-87.8,
15	12.2,	176.2,	262.3,	-59.1,	-76.4,	16	12.2,	138.1,	268.9,	-50.2,	-62.8,
17	12.2,	95.9,	267.4,	-39.9,	-47.2,	18	12.2,	78.1,	264.5,	-31.6,	-30.2,
19	12.2,	121.7,	269.3,	-30.3,	-12.2,	20	12.2,	161.6,	265.9,	-28.1,	6.1,
21	12.2,	186.7,	208.2,	-247.2,	37.8,	22	12.2,	199.9,	204.9,	-249.9,	12.3,
23	12.2,	207.0,	195.4,	-245.0,	-13.5,	24	12.2,	207.8,	179.9,	-232.7,	-38.8,
25	12.2,	202.3,	158.9,	-213.3,	-63.0,	26	12.2,	190.7,	133.1,	-187.4,	-85.3,
27	12.2,	264.5,	78.1,	-8.9,	100.6,	28	12.2,	269.3,	121.7,	-48.6,	104.3,
29	12.2,	265.9,	161.6,	-86.8,	104.9,	30	12.2,	254.5,	196.5,	-122.4,	102.2,
31	12.2,	235.2,	225.5,	-154.3,	96.5,	32	12.2,	208.9,	247.7,	-181.5,	87.8,
33	12.2,	176.2,	262.3,	-203.2,	76.4,	34	12.2,	138.1,	268.9,	-218.7,	62.8,
35	12.2,	95.9,	267.4,	-227.6,	47.2,	36	12.2,	78.1,	264.5,	-232.9,	30.2,

SOURCE ID: ICIC4_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	151.9,	261.4,	-41.7,	-54.6,	2	12.2,	187.5,	266.1,	-35.9,	-38.4,
3	12.2,	217.5,	262.7,	-29.0,	-20.9,	4	12.2,	240.8,	251.3,	-21.3,	-2.8,
5	12.2,	256.8,	232.3,	-12.9,	15.3,	6	12.2,	265.0,	206.2,	-4.0,	33.0,
7	12.2,	265.2,	173.9,	4.9,	49.8,	8	12.2,	257.3,	136.2,	13.7,	64.9,
9	12.2,	248.8,	111.6,	13.5,	78.1,	10	12.2,	261.4,	151.9,	-21.3,	89.0,
11	12.2,	266.1,	187.5,	-55.4,	97.1,	12	12.2,	262.7,	217.5,	-87.8,	102.3,
13	12.2,	251.3,	240.8,	-117.6,	104.4,	14	12.2,	232.3,	256.8,	-143.8,	103.3,
15	12.2,	206.2,	265.0,	-165.6,	99.1,	16	12.2,	173.9,	265.2,	-182.4,	91.8,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	151.9,	261.4,	-219.7,	54.6,	20	12.2,	187.5,	266.1,	-230.2,	38.4,
21	12.2,	217.5,	262.7,	-233.7,	20.9,	22	12.2,	240.8,	251.3,	-230.1,	2.8,
23	12.2,	256.8,	232.3,	-219.5,	-15.3,	24	12.2,	265.0,	206.2,	-202.2,	-33.0,
25	12.2,	265.2,	173.9,	-178.8,	-49.8,	26	12.2,	257.3,	136.2,	-149.9,	-64.9,
27	12.2,	248.8,	111.6,	-125.1,	-78.1,	28	12.2,	261.4,	151.9,	-130.6,	-89.0,
29	12.2,	266.1,	187.5,	-132.1,	-97.1,	30	12.2,	262.7,	217.5,	-129.6,	-102.3,
31	12.2,	251.3,	240.8,	-123.2,	-104.4,	32	12.2,	232.3,	256.8,	-113.1,	-103.3,
33	12.2,	206.2,	265.0,	-99.5,	-99.1,	34	12.2,	173.9,	265.2,	-82.9,	-91.8,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC4_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	151.9,	261.4,	-120.2,	-75.1,	2	12.2,	187.5,	266.1,	-109.7,	-72.1,
3	12.2,	217.5,	262.7,	-95.8,	-67.0,	4	12.2,	240.8,	251.3,	-79.1,	-59.8,
5	12.2,	256.8,	232.3,	-59.9,	-50.8,	6	12.2,	265.0,	206.2,	-38.9,	-40.2,
7	12.2,	265.2,	173.9,	-16.7,	-28.5,	8	12.2,	257.3,	136.2,	6.0,	-15.8,
9	12.2,	248.8,	111.6,	19.9,	-2.7,	10	12.2,	261.4,	151.9,	-0.9,	10.5,
11	12.2,	266.1,	187.5,	-21.7,	23.4,	12	12.2,	262.7,	217.5,	-41.8,	35.5,
13	12.2,	251.3,	240.8,	-60.6,	46.6,	14	12.2,	232.3,	256.8,	-77.6,	56.3,
15	12.2,	206.2,	265.0,	-92.3,	64.2,	16	12.2,	173.9,	265.2,	-104.1,	70.2,
17	12.2,	136.2,	257.3,	-112.8,	74.1,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	151.9,	261.4,	-141.2,	75.1,	20	12.2,	187.5,	266.1,	-156.4,	72.1,
21	12.2,	217.5,	262.7,	-166.9,	67.0,	22	12.2,	240.8,	251.3,	-172.3,	59.8,
23	12.2,	256.8,	232.3,	-172.4,	50.8,	24	12.2,	265.0,	206.2,	-167.3,	40.2,
25	12.2,	265.2,	173.9,	-157.2,	28.5,	26	12.2,	257.3,	136.2,	-142.2,	15.8,
27	12.2,	248.8,	111.6,	-131.5,	2.7,	28	12.2,	261.4,	151.9,	-151.0,	-10.5,
29	12.2,	266.1,	187.5,	-165.9,	-23.4,	30	12.2,	262.7,	217.5,	-175.7,	-35.5,
31	12.2,	251.3,	240.8,	-180.2,	-46.6,	32	12.2,	232.3,	256.8,	-179.2,	-56.3,
33	12.2,	206.2,	265.0,	-172.7,	-64.2,	34	12.2,	173.9,	265.2,	-161.1,	-70.2,
35	12.2,	136.2,	257.3,	-144.5,	-74.1,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC4_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-246.9,	75.8,	2	12.2,	204.1,	274.4,	-261.2,	55.1,
3	12.2,	232.9,	271.9,	-267.7,	32.8,	4	12.2,	240.8,	251.3,	-146.4,	-120.5,
5	12.2,	256.8,	232.3,	-115.6,	-122.2,	6	12.2,	265.0,	206.2,	-81.4,	-120.3,
7	12.2,	265.2,	173.9,	-44.6,	-114.7,	8	12.2,	257.3,	136.2,	-6.5,	-105.6,
9	12.2,	248.8,	111.6,	23.2,	-93.3,	10	12.2,	261.4,	151.9,	18.0,	-78.2,
11	12.2,	266.1,	187.5,	12.4,	-60.6,	12	12.2,	262.7,	217.5,	6.3,	-41.3,
13	12.2,	251.3,	240.8,	0.1,	-20.7,	14	12.2,	232.3,	256.8,	-6.2,	0.5,
15	12.2,	206.2,	265.0,	-12.2,	21.8,	16	12.2,	173.9,	265.2,	-17.9,	42.3,
17	12.2,	136.2,	257.3,	-23.1,	61.6,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-21.8,	-75.8,	20	12.2,	204.1,	274.4,	-13.2,	-55.1,
21	12.2,	232.9,	271.9,	-4.3,	-32.8,	22	12.2,	240.8,	251.3,	-105.0,	120.5,
23	12.2,	256.8,	232.3,	-116.7,	122.2,	24	12.2,	265.0,	206.2,	-124.9,	120.3,
25	12.2,	265.2,	173.9,	-129.2,	114.7,	26	12.2,	257.3,	136.2,	-129.7,	105.6,
27	12.2,	248.8,	111.6,	-134.8,	93.3,	28	12.2,	261.4,	151.9,	-169.9,	78.2,
29	12.2,	266.1,	187.5,	-199.9,	60.6,	30	12.2,	262.7,	217.5,	-223.8,	41.3,
31	12.2,	251.3,	240.8,	-240.9,	20.7,	32	12.2,	232.3,	256.8,	-250.6,	-0.5,

33	12.2,	206.2,	265.0,	-252.8,	-21.8,	34	12.2,	173.9,	265.2,	-247.3,	-42.3,
35	12.2,	136.2,	257.3,	-234.2,	-61.6,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC5_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-24.3,	-68.8,	2	12.2,	204.1,	274.4,	-16.9,	-48.7,
3	12.2,	232.9,	271.9,	-9.0,	-27.1,	4	12.2,	254.7,	261.2,	-0.9,	-4.6,
5	12.2,	268.6,	242.5,	7.3,	18.0,	6	12.2,	274.4,	216.4,	15.3,	40.0,
7	12.2,	271.9,	183.8,	22.8,	60.9,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	12.2,	254.6,	129.0,	22.4,	96.4,	10	12.2,	268.6,	169.1,	-15.7,	110.0,
11	12.2,	274.4,	204.1,	-53.4,	120.3,	12	12.2,	271.9,	232.9,	-89.4,	127.0,
13	12.2,	261.2,	254.7,	-122.7,	129.7,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-244.3,	68.8,	20	12.2,	204.1,	274.4,	-257.6,	48.7,
21	12.2,	232.9,	271.9,	-262.9,	27.1,	22	12.2,	254.7,	261.2,	-260.3,	4.6,
23	12.2,	268.6,	242.5,	-249.8,	-18.0,	24	12.2,	274.4,	216.4,	-231.7,	-40.0,
25	12.2,	271.9,	183.8,	-206.6,	-60.9,	26	12.2,	261.2,	145.6,	-175.1,	-79.9,
27	12.2,	254.6,	129.0,	-151.4,	-96.4,	28	12.2,	268.6,	169.1,	-153.4,	-110.0,
29	12.2,	274.4,	204.1,	-150.8,	-120.3,	30	12.2,	271.9,	232.9,	-143.5,	-127.0,
31	12.2,	261.2,	254.7,	-131.9,	-129.7,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: ICIC5_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	169.1,	268.6,	-96.4,	-88.1,	2	12.2,	204.1,	274.4,	-84.6,	-80.2,
3	12.2,	232.9,	271.9,	-70.2,	-69.9,	4	12.2,	254.7,	261.2,	-53.7,	-57.4,
5	12.2,	268.6,	242.5,	-35.6,	-43.2,	6	12.2,	274.4,	216.4,	-16.3,	-27.6,
7	12.2,	271.9,	183.8,	3.4,	-11.3,	8	12.2,	261.2,	145.6,	23.0,	5.5,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	268.6,	169.1,	3.6,	37.9,
11	12.2,	274.4,	204.1,	-21.8,	52.6,	12	12.2,	271.9,	232.9,	-46.6,	65.8,
13	12.2,	261.2,	254.7,	-69.9,	76.9,	14	12.2,	242.5,	268.6,	-91.1,	85.7,
15	12.2,	216.4,	274.4,	-109.6,	91.9,	16	12.2,	183.8,	271.9,	-124.7,	95.3,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	169.1,	268.6,	-172.2,	88.1,	20	12.2,	204.1,	274.4,	-189.8,	80.2,
21	12.2,	232.9,	271.9,	-201.7,	69.9,	22	12.2,	254.7,	261.2,	-207.5,	57.4,
23	12.2,	268.6,	242.5,	-206.9,	43.2,	24	12.2,	274.4,	216.4,	-200.1,	27.6,
25	12.2,	271.9,	183.8,	-187.2,	11.3,	26	12.2,	261.2,	145.6,	-168.6,	-5.5,
27	12.2,	254.6,	129.0,	-157.9,	-22.0,	28	12.2,	268.6,	169.1,	-172.7,	-37.9,
29	12.2,	274.4,	204.1,	-182.3,	-52.6,	30	12.2,	271.9,	232.9,	-186.3,	-65.8,
31	12.2,	261.2,	254.7,	-184.7,	-76.9,	32	12.2,	242.5,	268.6,	-177.5,	-85.7,
33	12.2,	216.4,	274.4,	-164.9,	-91.9,	34	12.2,	183.8,	271.9,	-147.2,	-95.3,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: ICIC5_3

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	12.2,	232.9,	271.9,	-151.5,	-116.8,	4	12.2,	254.7,	261.2,	-125.6,	-117.7,
5	12.2,	268.6,	242.5,	-95.9,	-115.0,	6	12.2,	274.4,	216.4,	-63.2,	-108.9,
7	12.2,	271.9,	183.8,	-28.7,	-99.4,	8	12.2,	261.2,	145.6,	6.7,	-86.9,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.2,	268.6,	169.1,	19.9,	-54.5,
11	12.2,	274.4,	204.1,	10.2,	-35.5,	12	12.2,	271.9,	232.9,	0.3,	-15.5,
13	12.2,	261.2,	254.7,	-9.6,	5.0,	14	12.2,	242.5,	268.6,	-19.3,	25.4,
15	12.2,	216.4,	274.4,	-28.4,	45.0,	16	12.2,	183.8,	271.9,	-36.5,	63.2,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	12.2,	232.9,	271.9,	-120.5,	116.8,	22	12.2,	254.7,	261.2,	-135.6,	117.7,
23	12.2,	268.6,	242.5,	-146.6,	115.0,	24	12.2,	274.4,	216.4,	-153.2,	108.9,
25	12.2,	271.9,	183.8,	-155.1,	99.4,	26	12.2,	261.2,	145.6,	-152.3,	86.9,
27	12.2,	254.6,	129.0,	-157.9,	71.8,	28	12.2,	268.6,	169.1,	-189.0,	54.5,
29	12.2,	274.4,	204.1,	-214.4,	35.5,	30	12.2,	271.9,	232.9,	-233.2,	15.5,
31	12.2,	261.2,	254.7,	-245.0,	-5.0,	32	12.2,	242.5,	268.6,	-249.4,	-25.4,
33	12.2,	216.4,	274.4,	-246.1,	-45.0,	34	12.2,	183.8,	271.9,	-235.4,	-63.2,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC1_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	155.5,	207.6,	-28.9,	-55.2,	2	12.2,	180.6,	218.0,	-25.6,	-41.3,
3	12.2,	200.1,	221.7,	-21.6,	-26.2,	4	12.2,	213.7,	218.7,	-16.9,	-10.3,
5	12.2,	220.7,	209.0,	-11.7,	5.9,	6	12.2,	221.0,	193.0,	-6.1,	21.9,
7	12.2,	214.6,	171.1,	-0.3,	37.3,	8	12.2,	201.7,	144.1,	5.5,	51.5,
9	12.2,	191.0,	125.7,	4.5,	64.2,	10	12.2,	207.6,	155.5,	-22.5,	74.9,
11	12.2,	218.0,	180.6,	-48.9,	83.3,	12	12.2,	221.7,	200.1,	-73.8,	89.3,
13	12.2,	218.7,	213.7,	-96.5,	92.5,	14	12.2,	209.0,	220.7,	-116.2,	92.9,
15	12.2,	193.0,	221.0,	-132.4,	90.4,	16	12.2,	171.1,	214.6,	-144.6,	85.2,
17	12.2,	144.1,	201.7,	-152.4,	77.5,	18	12.2,	125.7,	191.0,	-159.7,	67.4,
19	12.2,	155.5,	207.6,	-178.7,	55.2,	20	12.2,	180.6,	218.0,	-192.3,	41.3,
21	12.2,	200.1,	221.7,	-200.1,	26.2,	22	12.2,	213.7,	218.7,	-201.8,	10.3,
23	12.2,	220.7,	209.0,	-197.4,	-5.9,	24	12.2,	221.0,	193.0,	-186.9,	-21.9,
25	12.2,	214.6,	171.1,	-170.8,	-37.3,	26	12.2,	201.7,	144.1,	-149.5,	-51.5,
27	12.2,	191.0,	125.7,	-130.2,	-64.2,	28	12.2,	207.6,	155.5,	-132.9,	-74.9,
29	12.2,	218.0,	180.6,	-131.6,	-83.3,	30	12.2,	221.7,	200.1,	-126.3,	-89.3,
31	12.2,	218.7,	213.7,	-117.2,	-92.5,	32	12.2,	209.0,	220.7,	-104.5,	-92.9,
33	12.2,	193.0,	221.0,	-88.6,	-90.4,	34	12.2,	171.1,	214.6,	-70.0,	-85.2,
35	12.2,	144.1,	201.7,	-49.3,	-77.5,	36	12.2,	125.7,	191.0,	-31.3,	-67.4,

SOURCE ID: INCIC1_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	155.5,	207.6,	-137.5,	-81.2,	2	12.2,	180.6,	218.0,	-128.1,	-85.8,
3	12.2,	200.1,	221.7,	-114.8,	-87.8,	4	12.2,	213.7,	218.7,	-97.9,	-87.2,
5	12.2,	220.7,	209.0,	-78.1,	-83.9,	6	12.2,	221.0,	193.0,	-56.0,	-78.0,
7	12.2,	214.6,	171.1,	-32.1,	-69.8,	8	12.2,	201.7,	144.1,	-7.3,	-59.5,
9	12.2,	191.0,	125.7,	11.3,	-47.3,	10	12.2,	207.6,	155.5,	3.5,	-33.7,

11	12.2,	218.0,	180.6,	-4.4,	-19.1,	12	12.2,	221.7,	200.1,	-12.2,	-3.9,
13	12.2,	218.7,	213.7,	-19.6,	11.4,	14	12.2,	209.0,	220.7,	-26.4,	26.4,
15	12.2,	193.0,	221.0,	-32.5,	40.5,	16	12.2,	171.1,	214.6,	-37.5,	53.5,
17	12.2,	144.1,	201.7,	-41.4,	64.8,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	155.5,	207.6,	-70.1,	81.2,	20	12.2,	180.6,	218.0,	-89.9,	85.8,
21	12.2,	200.1,	221.7,	-106.9,	87.8,	22	12.2,	213.7,	218.7,	-120.7,	87.2,
23	12.2,	220.7,	209.0,	-130.9,	83.9,	24	12.2,	221.0,	193.0,	-137.0,	78.0,
25	12.2,	214.6,	171.1,	-139.0,	69.8,	26	12.2,	201.7,	144.1,	-136.8,	59.5,
27	12.2,	191.0,	125.7,	-137.0,	47.3,	28	12.2,	207.6,	155.5,	-158.9,	33.7,
29	12.2,	218.0,	180.6,	-176.1,	19.1,	30	12.2,	221.7,	200.1,	-187.9,	3.9,
31	12.2,	218.7,	213.7,	-194.0,	-11.4,	32	12.2,	209.0,	220.7,	-194.2,	-26.4,
33	12.2,	193.0,	221.0,	-188.5,	-40.5,	34	12.2,	171.1,	214.6,	-177.1,	-53.5,
35	12.2,	144.1,	201.7,	-160.3,	-64.8,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC2_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	121.7,	269.3,	-300.6,	34.9,	2	12.2,	161.6,	265.9,	-302.5,	5.5,
3	12.2,	186.7,	208.2,	-26.7,	-37.6,	4	12.2,	199.9,	204.9,	-19.7,	-23.6,
5	12.2,	207.0,	195.4,	-12.1,	-8.8,	6	12.2,	207.8,	179.9,	-4.1,	6.2,
7	12.2,	202.3,	158.9,	4.0,	21.0,	8	12.2,	190.7,	133.1,	12.0,	35.1,
9	12.2,	180.9,	115.6,	13.4,	48.2,	10	12.2,	196.0,	143.9,	-10.2,	59.9,
11	12.2,	205.3,	167.9,	-33.5,	69.7,	12	12.2,	208.2,	186.7,	-55.8,	77.4,
13	12.2,	204.9,	199.9,	-76.4,	82.7,	14	12.2,	195.4,	207.0,	-94.7,	85.6,
15	12.2,	179.9,	207.8,	-110.1,	85.8,	16	12.2,	158.9,	202.3,	-122.1,	83.4,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	143.9,	196.0,	-157.9,	61.8,	20	12.2,	167.9,	205.3,	-172.3,	50.4,
21	12.2,	186.7,	208.2,	-181.5,	37.6,	22	12.2,	199.9,	204.9,	-185.2,	23.6,
23	12.2,	207.0,	195.4,	-183.2,	8.8,	24	12.2,	207.8,	179.9,	-175.7,	-6.2,
25	12.2,	202.3,	158.9,	-162.9,	-21.0,	26	12.2,	190.7,	133.1,	-145.1,	-35.1,
27	12.2,	180.9,	115.6,	-129.1,	-48.2,	28	12.2,	196.0,	143.9,	-133.8,	-59.9,
29	12.2,	205.3,	167.9,	-134.4,	-69.7,	30	12.2,	208.2,	186.7,	-130.9,	-77.4,
31	12.2,	204.9,	199.9,	-123.5,	-82.7,	32	12.2,	195.4,	207.0,	-112.3,	-85.6,
33	12.2,	179.9,	207.8,	-97.8,	-85.8,	34	12.2,	158.9,	202.3,	-80.2,	-83.4,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: INCIC2_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.2,	167.9,	205.3,	-125.0,	-84.0,
3	12.2,	186.7,	208.2,	-111.6,	-86.6,	4	12.2,	199.9,	204.9,	-94.8,	-86.5,
5	12.2,	207.0,	195.4,	-75.1,	-83.9,	6	12.2,	207.8,	179.9,	-53.1,	-78.7,
7	12.2,	202.3,	158.9,	-29.5,	-71.1,	8	12.2,	190.7,	133.1,	-5.0,	-61.4,
9	12.2,	180.9,	115.6,	13.4,	-49.7,	10	12.2,	196.0,	143.9,	6.8,	-36.6,
11	12.2,	205.3,	167.9,	0.0,	-22.4,	12	12.2,	208.2,	186.7,	-6.8,	-7.5,
13	12.2,	204.9,	199.9,	-13.4,	7.7,	14	12.2,	195.4,	207.0,	-19.6,	22.6,
15	12.2,	179.9,	207.8,	-25.2,	36.8,	16	12.2,	158.9,	202.3,	-30.1,	49.9,
17	12.2,	133.1,	190.7,	-34.0,	61.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.2,	167.9,	205.3,	-80.2,	84.0,
21	12.2,	186.7,	208.2,	-96.7,	86.6,	22	12.2,	199.9,	204.9,	-110.1,	86.5,
23	12.2,	207.0,	195.4,	-120.3,	83.9,	24	12.2,	207.8,	179.9,	-126.7,	78.7,
25	12.2,	202.3,	158.9,	-129.4,	71.1,	26	12.2,	190.7,	133.1,	-128.1,	61.4,
27	12.2,	180.9,	115.6,	-129.1,	49.7,	28	12.2,	196.0,	143.9,	-150.8,	36.6,
29	12.2,	205.3,	167.9,	-167.9,	22.4,	30	12.2,	208.2,	186.7,	-179.9,	7.5,
31	12.2,	204.9,	199.9,	-186.5,	-7.7,	32	12.2,	195.4,	207.0,	-187.4,	-22.6,
33	12.2,	179.9,	207.8,	-182.6,	-36.8,	34	12.2,	158.9,	202.3,	-172.3,	-49.9,
35	12.2,	133.1,	190.7,	-156.7,	-61.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC3_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	146.5,	193.9,	-30.9,	-60.3,	2	12.2,	169.8,	203.8,	-26.4,	-47.9,
3	12.2,	188.0,	207.5,	-21.1,	-34.0,	4	12.2,	200.4,	204.9,	-15.1,	-19.2,
5	12.2,	206.7,	196.1,	-8.7,	-3.7,	6	12.2,	206.8,	181.4,	-2.0,	11.9,
7	12.2,	200.5,	161.1,	4.7,	27.1,	8	12.2,	188.2,	135.9,	11.3,	41.5,
9	12.2,	178.0,	118.8,	11.4,	54.6,	10	12.2,	193.9,	146.5,	-13.0,	66.1,
11	12.2,	203.8,	169.8,	-37.0,	75.5,	12	12.2,	207.5,	188.0,	-59.9,	82.7,
13	12.2,	204.9,	200.4,	-81.0,	87.4,	14	12.2,	196.1,	206.7,	-99.7,	89.4,
15	12.2,	176.2,	262.3,	-240.9,	-25.2,	16	12.2,	138.1,	268.9,	-238.2,	-43.8,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	146.5,	193.9,	-163.0,	60.3,	20	12.2,	169.8,	203.8,	-177.4,	47.9,
21	12.2,	188.0,	207.5,	-186.5,	34.0,	22	12.2,	200.4,	204.9,	-189.8,	19.2,
23	12.2,	206.7,	196.1,	-187.4,	3.7,	24	12.2,	206.8,	181.4,	-179.3,	-11.9,
25	12.2,	200.5,	161.1,	-165.8,	-27.1,	26	12.2,	188.2,	135.9,	-147.2,	-41.5,
27	12.2,	178.0,	118.8,	-130.2,	-54.6,	28	12.2,	193.9,	146.5,	-133.5,	-66.1,
29	12.2,	203.8,	169.8,	-132.8,	-75.5,	30	12.2,	207.5,	188.0,	-128.0,	-82.7,
31	12.2,	204.9,	200.4,	-119.3,	-87.4,	32	12.2,	196.1,	206.7,	-107.0,	-89.4,
33	12.2,	176.2,	262.3,	-21.4,	25.2,	34	12.2,	138.1,	268.9,	-30.7,	43.8,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC3_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.2,	161.6,	265.9,	-161.9,	63.9,
3	12.2,	188.0,	207.5,	-93.8,	-83.8,	4	12.2,	200.4,	204.9,	-78.1,	-80.8,
5	12.2,	206.7,	196.1,	-60.0,	-75.3,	6	12.2,	206.8,	181.4,	-40.1,	-67.6,
7	12.2,	200.5,	161.1,	-19.0,	-57.8,	8	12.2,	188.2,	135.9,	2.7,	-46.2,
9	12.2,	178.0,	118.8,	18.2,	-33.2,	10	12.2,	193.9,	146.5,	8.9,	-19.3,
11	12.2,	203.8,	169.8,	-0.6,	-4.7,	12	12.2,	207.5,	188.0,	-10.2,	10.0,
13	12.2,	204.9,	200.4,	-19.4,	24.4,	14	12.2,	196.1,	206.7,	-28.0,	38.1,
15	12.2,	176.2,	262.3,	-161.5,	-63.2,	16	12.2,	138.1,	268.9,	-153.3,	-67.5,
17	12.2,	135.9,	188.2,	-47.9,	70.6,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.2,	161.6,	265.9,	-104.0,	-63.9,
21	12.2,	188.0,	207.5,	-113.8,	83.8,	22	12.2,	200.4,	204.9,	-126.9,	80.8,
23	12.2,	206.7,	196.1,	-136.1,	75.3,	24	12.2,	206.8,	181.4,	-141.2,	67.6,
25	12.2,	200.5,	161.1,	-142.1,	57.8,	26	12.2,	188.2,	135.9,	-138.6,	46.2,
27	12.2,	178.0,	118.8,	-137.0,	33.2,	28	12.2,	193.9,	146.5,	-155.4,	19.3,
29	12.2,	203.8,	169.8,	-169.2,	4.7,	30	12.2,	207.5,	188.0,	-177.8,	-10.0,
31	12.2,	204.9,	200.4,	-181.0,	-24.4,	32	12.2,	196.1,	206.7,	-178.7,	-38.1,

33	12.2,	176.2,	262.3,	-100.8,	63.2,	34	12.2,	138.1,	268.9,	-115.6,	67.5,
35	12.2,	135.9,	188.2,	-140.3,	-70.6,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC4_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	153.3,	225.6,	-189.3,	50.3,	2	12.2,	182.0,	233.9,	-201.0,	36.2,
3	12.2,	205.2,	235.0,	-206.6,	21.1,	4	12.2,	222.1,	229.1,	-205.9,	5.3,
5	12.2,	232.3,	216.1,	-199.0,	-10.7,	6	12.2,	235.4,	196.6,	-186.0,	-26.3,
7	12.2,	231.4,	171.1,	-167.4,	-41.1,	8	12.2,	220.4,	140.4,	-143.6,	-54.7,
9	12.2,	210.5,	119.9,	-122.8,	-66.6,	10	12.2,	225.6,	153.3,	-126.9,	-76.5,
11	12.2,	233.9,	182.0,	-127.2,	-84.1,	12	12.2,	235.0,	205.2,	-123.7,	-89.1,
13	12.2,	229.1,	222.1,	-116.3,	-91.4,	14	12.2,	216.1,	232.3,	-105.5,	-90.9,
15	12.2,	196.6,	235.4,	-91.4,	-87.7,	16	12.2,	171.1,	231.4,	-74.6,	-81.8,
17	12.2,	140.4,	220.4,	-55.5,	-73.4,	18	12.2,	119.9,	210.5,	-38.6,	-62.8,
19	12.2,	153.3,	225.6,	-36.3,	-50.3,	20	12.2,	182.0,	233.9,	-32.9,	-36.2,
21	12.2,	205.2,	235.0,	-28.4,	-21.1,	22	12.2,	222.1,	229.1,	-23.1,	-5.3,
23	12.2,	232.3,	216.1,	-17.1,	10.7,	24	12.2,	235.4,	196.6,	-10.6,	26.3,
25	12.2,	231.4,	171.1,	-3.8,	41.1,	26	12.2,	220.4,	140.4,	3.2,	54.7,
27	12.2,	210.5,	119.9,	2.8,	66.6,	28	12.2,	225.6,	153.3,	-26.4,	76.5,
29	12.2,	233.9,	182.0,	-54.8,	84.1,	30	12.2,	235.0,	205.2,	-81.5,	89.1,
31	12.2,	229.1,	222.1,	-105.8,	91.4,	32	12.2,	216.1,	232.3,	-126.8,	90.9,
33	12.2,	196.6,	235.4,	-144.0,	87.7,	34	12.2,	171.1,	231.4,	-156.8,	81.8,
35	12.2,	140.4,	220.4,	-164.9,	73.4,	36	12.2,	119.9,	210.5,	-171.9,	62.8,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: INCIC4_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	153.3,	225.6,	-80.1,	73.0,	2	12.2,	182.0,	233.9,	-97.4,	77.5,
3	12.2,	205.2,	235.0,	-111.7,	79.8,	4	12.2,	222.1,	229.1,	-122.7,	79.5,
5	12.2,	232.3,	216.1,	-129.9,	76.9,	6	12.2,	235.4,	196.6,	-133.2,	72.0,
7	12.2,	231.4,	171.1,	-132.4,	64.8,	8	12.2,	220.4,	140.4,	-127.6,	55.7,
9	12.2,	210.5,	119.9,	-126.1,	44.9,	10	12.2,	225.6,	153.3,	-149.6,	32.7,
11	12.2,	233.9,	182.0,	-168.5,	19.5,	12	12.2,	235.0,	205.2,	-182.3,	5.8,
13	12.2,	229.1,	222.1,	-190.6,	-8.2,	14	12.2,	216.1,	232.3,	-193.1,	-21.9,
15	12.2,	196.6,	235.4,	-189.7,	-34.9,	16	12.2,	171.1,	231.4,	-180.5,	-46.8,
17	12.2,	140.4,	220.4,	-165.9,	-57.4,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	153.3,	225.6,	-145.5,	-73.0,	20	12.2,	182.0,	233.9,	-136.5,	-77.5,
21	12.2,	205.2,	235.0,	-123.3,	-79.8,	22	12.2,	222.1,	229.1,	-106.4,	-79.5,
23	12.2,	232.3,	216.1,	-86.2,	-76.9,	24	12.2,	235.4,	196.6,	-63.4,	-72.0,
25	12.2,	231.4,	171.1,	-38.7,	-64.8,	26	12.2,	220.4,	140.4,	-12.8,	-55.7,
27	12.2,	210.5,	119.9,	6.2,	-44.9,	28	12.2,	225.6,	153.3,	-3.7,	-32.7,
29	12.2,	233.9,	182.0,	-13.5,	-19.5,	30	12.2,	235.0,	205.2,	-22.8,	-5.8,
31	12.2,	229.1,	222.1,	-31.5,	8.2,	32	12.2,	216.1,	232.3,	-39.2,	21.9,
33	12.2,	196.6,	235.4,	-45.8,	34.9,	34	12.2,	171.1,	231.4,	-50.9,	46.8,
35	12.2,	140.4,	220.4,	-54.5,	57.4,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC5_1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.3,	179.0,	-50.8,	67.1,	2	12.2,	155.9,	188.0,	-67.5,	72.8,
3	12.2,	172.8,	191.2,	-82.2,	76.3,	4	12.2,	184.4,	188.7,	-94.4,	77.5,
5	12.2,	190.4,	180.4,	-103.7,	76.3,	6	12.2,	190.6,	166.7,	-109.9,	72.8,
7	12.2,	185.0,	147.8,	-112.7,	67.1,	8	12.2,	173.8,	124.5,	-112.1,	59.3,
9	12.2,	164.6,	108.7,	-113.7,	49.8,	10	12.2,	179.0,	134.3,	-134.3,	38.7,
11	12.2,	188.0,	155.9,	-150.8,	26.4,	12	12.2,	191.2,	172.8,	-162.7,	13.4,
13	12.2,	188.7,	184.4,	-169.7,	-0.1,	14	12.2,	180.4,	190.4,	-171.5,	-13.5,
15	12.2,	166.7,	190.6,	-168.1,	-26.5,	16	12.2,	147.8,	185.0,	-159.6,	-38.8,
17	12.2,	124.5,	173.8,	-146.2,	-49.8,	18	12.2,	108.7,	164.6,	-132.1,	-59.4,
19	12.2,	134.3,	179.0,	-128.2,	-67.1,	20	12.2,	155.9,	188.0,	-120.4,	-72.8,
21	12.2,	172.8,	191.2,	-109.0,	-76.3,	22	12.2,	184.4,	188.7,	-94.3,	-77.5,
23	12.2,	190.4,	180.4,	-76.7,	-76.3,	24	12.2,	190.6,	166.7,	-56.8,	-72.8,
25	12.2,	185.0,	147.8,	-35.1,	-67.1,	26	12.2,	173.8,	124.5,	-12.4,	-59.3,
27	12.2,	164.6,	108.7,	5.0,	-49.8,	28	12.2,	179.0,	134.3,	-0.1,	-38.7,
29	12.2,	188.0,	155.9,	-5.1,	-26.4,	30	12.2,	191.2,	172.8,	-10.1,	-13.4,
31	12.2,	188.7,	184.4,	-14.7,	0.1,	32	12.2,	180.4,	190.4,	-18.9,	13.5,
33	12.2,	166.7,	190.6,	-22.5,	26.5,	34	12.2,	147.8,	185.0,	-25.4,	38.8,
35	12.2,	124.5,	173.8,	-27.6,	49.8,	36	12.2,	108.7,	164.6,	-32.5,	59.4,

SOURCE ID: INCIC5_2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	134.3,	179.0,	-150.0,	46.2,	2	12.2,	155.9,	188.0,	-161.6,	35.0,
3	12.2,	172.8,	191.2,	-168.3,	22.7,	4	12.2,	184.4,	188.7,	-169.9,	9.7,
5	12.2,	190.4,	180.4,	-166.3,	-3.5,	6	12.2,	190.6,	166.7,	-157.6,	-16.7,
7	12.2,	185.0,	147.8,	-144.2,	-29.3,	8	12.2,	173.8,	124.5,	-126.4,	-41.1,
9	12.2,	164.6,	108.7,	-110.3,	-51.6,	10	12.2,	179.0,	134.3,	-113.4,	-60.5,
11	12.2,	188.0,	155.9,	-113.0,	-67.6,	12	12.2,	191.2,	172.8,	-109.1,	-72.7,
13	12.2,	188.7,	184.4,	-101.9,	-75.5,	14	12.2,	180.4,	190.4,	-91.7,	-76.1,
15	12.2,	166.7,	190.6,	-78.6,	-74.3,	16	12.2,	147.8,	185.0,	-63.2,	-70.3,
17	12.2,	124.5,	173.8,	-45.8,	-64.1,	18	12.2,	108.7,	164.6,	-30.7,	-56.0,
19	12.2,	134.3,	179.0,	-28.9,	-46.2,	20	12.2,	155.9,	188.0,	-26.3,	-35.0,
21	12.2,	172.8,	191.2,	-22.9,	-22.7,	22	12.2,	184.4,	188.7,	-18.8,	-9.7,
23	12.2,	190.4,	180.4,	-14.1,	3.5,	24	12.2,	190.6,	166.7,	-9.0,	16.7,
25	12.2,	185.0,	147.8,	-3.6,	29.3,	26	12.2,	173.8,	124.5,	1.9,	41.1,
27	12.2,	164.6,	108.7,	1.7,	51.6,	28	12.2,	179.0,	134.3,	-21.0,	60.5,
29	12.2,	188.0,	155.9,	-43.0,	67.6,	30	12.2,	191.2,	172.8,	-63.7,	72.7,
31	12.2,	188.7,	184.4,	-82.5,	75.5,	32	12.2,	180.4,	190.4,	-98.7,	76.1,
33	12.2,	166.7,	190.6,	-112.0,	74.3,	34	12.2,	147.8,	185.0,	-121.8,	70.3,
35	12.2,	124.5,	173.8,	-128.0,	64.1,	36	12.2,	108.7,	164.6,	-133.9,	56.0,

SOURCE ID: INCIC6

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	155.5,	207.6,	-164.5,	71.8,	2	12.2,	180.6,	218.0,	-181.2,	60.2,
3	12.2,	200.1,	221.7,	-192.5,	46.8,	4	12.2,	213.7,	218.7,	-197.8,	31.9,
5	12.2,	220.7,	209.0,	-197.2,	16.0,	6	12.2,	221.0,	193.0,	-190.6,	-0.3,
7	12.2,	214.6,	171.1,	-178.2,	-16.7,	8	12.2,	201.7,	144.1,	-160.3,	-32.5,
9	12.2,	191.0,	125.7,	-144.1,	-47.3,	10	12.2,	207.6,	155.5,	-149.6,	-60.7,

11	12.2,	218.0,	180.6,	-150.5,	-72.3,	12	12.2,	221.7,	200.1,	-146.8,	-81.6,
13	12.2,	218.7,	213.7,	-138.7,	-88.5,	14	12.2,	209.0,	220.7,	-126.3,	-92.7,
15	12.2,	193.0,	221.0,	-110.2,	-94.1,	16	10.7,	80.2,	91.1,	-29.0,	38.4,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	155.5,	207.6,	-43.1,	-71.8,	20	12.2,	180.6,	218.0,	-36.7,	-60.2,
21	12.2,	200.1,	221.7,	-29.2,	-46.8,	22	12.2,	213.7,	218.7,	-20.8,	-31.9,
23	12.2,	220.7,	209.0,	-11.8,	-16.0,	24	12.2,	221.0,	193.0,	-2.4,	0.3,
25	12.2,	214.6,	171.1,	7.0,	16.7,	26	12.2,	201.7,	144.1,	16.2,	32.5,
27	12.2,	191.0,	125.7,	18.5,	47.3,	28	12.2,	207.6,	155.5,	-5.9,	60.7,
29	12.2,	218.0,	180.6,	-30.1,	72.3,	30	12.2,	221.7,	200.1,	-53.3,	81.6,
31	12.2,	218.7,	213.7,	-75.0,	88.5,	32	12.2,	209.0,	220.7,	-94.3,	92.7,
33	12.2,	193.0,	221.0,	-110.8,	94.1,	34	10.7,	80.2,	91.1,	-62.1,	-38.4,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: INCIC7

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.7,	78.0,	80.3,	-39.5,	-37.3,	2	10.7,	85.8,	87.4,	-36.5,	-36.7,
3	10.7,	90.9,	91.8,	-32.4,	-34.8,	4	10.7,	93.2,	93.4,	-27.4,	-32.0,
5	10.7,	92.8,	92.2,	-21.5,	-28.2,	6	10.7,	89.5,	88.1,	-15.0,	-23.5,
7	10.7,	83.5,	81.4,	-8.0,	-18.1,	8	10.7,	74.9,	72.2,	-0.8,	-12.1,
9	12.2,	191.0,	125.7,	-154.3,	101.3,	10	12.2,	207.6,	155.5,	-185.4,	83.9,
11	12.2,	218.0,	180.6,	-210.9,	64.0,	12	12.2,	221.7,	200.1,	-229.9,	42.0,
13	12.2,	218.7,	213.7,	-242.0,	18.9,	14	12.2,	209.0,	220.7,	-246.8,	-4.9,
15	12.2,	193.0,	221.0,	-244.0,	-28.5,	16	12.2,	171.1,	214.6,	-233.8,	-51.3,
17	12.2,	144.1,	201.7,	-216.5,	-72.5,	18	10.7,	67.9,	70.8,	-29.6,	36.9,
19	10.7,	78.0,	80.3,	-40.9,	37.3,	20	10.7,	85.8,	87.4,	-50.9,	36.7,
21	10.7,	90.9,	91.8,	-59.3,	34.8,	22	10.7,	93.2,	93.4,	-66.0,	32.0,
23	10.7,	92.8,	92.2,	-70.6,	28.2,	24	10.7,	89.5,	88.1,	-73.1,	23.5,
25	10.7,	83.5,	81.4,	-73.4,	18.1,	26	10.7,	74.9,	72.2,	-71.5,	12.1,
27	10.7,	70.8,	67.9,	-70.9,	5.8,	28	10.7,	80.3,	78.0,	-76.4,	-0.7,
29	10.7,	87.4,	85.8,	-79.5,	-7.2,	30	10.7,	91.8,	90.9,	-80.3,	-13.4,
31	10.7,	93.4,	93.2,	-78.6,	-19.3,	32	10.7,	92.2,	92.8,	-74.5,	-24.6,
33	12.2,	193.0,	221.0,	23.0,	28.5,	34	12.2,	171.1,	214.6,	19.2,	51.3,
35	12.2,	144.1,	201.7,	14.8,	72.5,	36	10.7,	67.9,	70.8,	-41.2,	-36.9,

SOURCE ID: INCIC8

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.7,	80.9,	92.7,	-34.3,	-41.6,	2	12.2,	167.9,	205.3,	-122.2,	86.1,
3	12.2,	186.7,	208.2,	-138.3,	81.4,	4	12.2,	199.9,	204.9,	-150.2,	74.2,
5	12.2,	207.0,	195.4,	-157.6,	64.8,	6	12.2,	207.8,	179.9,	-160.2,	53.4,
7	12.2,	202.3,	158.9,	-157.9,	40.3,	8	12.2,	190.7,	133.1,	-150.9,	26.1,
9	12.2,	180.9,	115.6,	-145.4,	11.1,	10	12.2,	196.0,	143.9,	-160.1,	-4.3,
11	12.2,	205.3,	167.9,	-170.0,	-19.5,	12	12.2,	208.2,	186.7,	-174.7,	-34.2,
13	12.2,	204.9,	199.9,	-174.1,	-47.8,	14	12.2,	195.4,	207.0,	-168.3,	-59.9,
15	12.2,	179.9,	207.8,	-157.3,	-70.3,	16	12.2,	158.9,	202.3,	-141.5,	-78.5,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	10.7,	80.9,	92.7,	-58.4,	41.6,	20	12.2,	167.9,	205.3,	-83.1,	-86.1,
21	12.2,	186.7,	208.2,	-69.9,	-81.4,	22	12.2,	199.9,	204.9,	-54.7,	-74.2,
23	12.2,	207.0,	195.4,	-37.7,	-64.8,	24	12.2,	207.8,	179.9,	-19.6,	-53.4,
25	12.2,	202.3,	158.9,	-1.0,	-40.3,	26	12.2,	190.7,	133.1,	17.8,	-26.1,
27	10.7,	83.5,	68.6,	-77.4,	-4.6,	28	12.2,	196.0,	143.9,	16.2,	4.3,
29	12.2,	205.3,	167.9,	2.1,	19.5,	30	12.2,	208.2,	186.7,	-12.0,	34.2,
31	12.2,	204.9,	199.9,	-25.8,	47.8,	32	12.2,	195.4,	207.0,	-38.7,	59.9,
33	12.2,	179.9,	207.8,	-50.5,	70.3,	34	12.2,	158.9,	202.3,	-60.8,	78.5,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC9

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	146.5,	193.9,	-176.5,	65.0,	2	12.2,	169.8,	203.8,	-191.5,	50.2,
3	12.2,	188.0,	207.5,	-200.7,	33.9,	4	12.2,	200.4,	204.9,	-203.8,	16.5,
5	12.2,	206.7,	196.1,	-200.8,	-1.3,	6	12.2,	206.8,	181.4,	-191.6,	-19.1,
7	12.2,	200.5,	161.1,	-176.6,	-36.4,	8	12.2,	188.2,	135.9,	-156.2,	-52.5,
9	12.2,	178.0,	118.8,	-137.2,	-67.0,	10	12.2,	193.9,	146.5,	-138.3,	-79.5,
11	12.2,	203.8,	169.8,	-135.1,	-89.6,	12	12.2,	207.5,	188.0,	-127.9,	-97.0,
13	12.2,	204.9,	200.4,	-116.7,	-101.4,	14	12.2,	196.1,	206.7,	-102.0,	-102.7,
15	10.7,	99.7,	103.9,	-34.6,	41.1,	16	10.7,	91.3,	97.7,	-38.9,	43.4,
17	10.7,	80.2,	88.5,	-42.0,	44.5,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	146.5,	193.9,	-17.4,	-65.0,	20	12.2,	169.8,	203.8,	-12.3,	-50.2,
21	12.2,	188.0,	207.5,	-6.8,	-33.9,	22	12.2,	200.4,	204.9,	-1.1,	-16.5,
23	12.2,	206.7,	196.1,	4.6,	1.3,	24	12.2,	206.8,	181.4,	10.2,	19.1,
25	12.2,	200.5,	161.1,	15.5,	36.4,	26	12.2,	188.2,	135.9,	20.3,	52.5,
27	12.2,	178.0,	118.8,	18.4,	67.0,	28	12.2,	193.9,	146.5,	-8.2,	79.5,
29	12.2,	203.8,	169.8,	-34.7,	89.6,	30	12.2,	207.5,	188.0,	-60.1,	97.0,
31	12.2,	204.9,	200.4,	-83.6,	101.4,	32	12.2,	196.1,	206.7,	-104.7,	102.7,
33	10.7,	99.7,	103.9,	-69.2,	-41.1,	34	10.7,	91.3,	97.7,	-58.8,	-43.4,
35	10.7,	80.2,	88.5,	-46.5,	-44.5,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC10

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.7,	62.0,	83.5,	-35.1,	-29.8,	2	10.7,	71.7,	86.7,	-31.6,	-28.2,
3	10.7,	79.3,	87.3,	-27.2,	-25.7,	4	10.7,	84.5,	85.2,	-21.9,	-22.5,
5	12.2,	206.7,	196.1,	-121.2,	104.0,	6	12.2,	206.8,	181.4,	-131.6,	98.4,
7	12.2,	200.5,	161.1,	-137.9,	89.8,	8	12.2,	188.2,	135.9,	-140.0,	78.4,
9	12.2,	178.0,	118.8,	-144.0,	64.7,	10	12.2,	193.9,	146.5,	-167.8,	49.1,
11	12.2,	203.8,	169.8,	-186.5,	31.9,	12	12.2,	207.5,	188.0,	-199.6,	13.8,
13	12.2,	204.9,	200.4,	-206.6,	-4.8,	14	12.2,	196.1,	206.7,	-207.3,	-23.2,
15	12.2,	181.4,	206.8,	-201.7,	-40.9,	16	12.2,	161.1,	200.5,	-190.0,	-57.3,
17	12.2,	135.9,	188.2,	-172.6,	-72.1,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	10.7,	62.0,	83.5,	-48.4,	29.8,	20	10.7,	71.7,	86.7,	-55.1,	28.2,
21	10.7,	79.3,	87.3,	-60.1,	25.7,	22	10.7,	84.5,	85.2,	-63.3,	22.5,
23	12.2,	206.7,	196.1,	-74.9,	-104.0,	24	12.2,	206.8,	181.4,	-49.8,	-98.4,
25	12.2,	200.5,	161.1,	-23.2,	-89.8,	26	12.2,	188.2,	135.9,	4.1,	-78.4,
27	10.7,	77.8,	50.3,	-55.7,	-1.4,	28	12.2,	193.9,	146.5,	21.3,	-49.1,
29	12.2,	203.8,	169.8,	16.7,	-31.9,	30	12.2,	207.5,	188.0,	11.7,	-13.8,
31	12.2,	204.9,	200.4,	6.2,	4.8,	32	12.2,	196.1,	206.7,	0.6,	23.2,

33	12.2,	181.4,	206.8,	-5.0,	40.9,	34	12.2,	161.1,	200.5,	-10.5,	57.3,
35	12.2,	135.9,	188.2,	-15.7,	72.1,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: INCIC11

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.2,	153.3,	225.6,	-193.4,	73.6,	2	12.2,	182.0,	233.9,	-209.1,	58.4,
3	12.2,	205.2,	235.0,	-218.4,	41.6,	4	12.2,	222.1,	229.1,	-221.1,	23.4,
5	12.2,	232.3,	216.1,	-217.1,	4.5,	6	12.2,	235.4,	196.6,	-206.5,	-14.5,
7	12.2,	231.4,	171.1,	-189.6,	-33.0,	8	12.2,	220.4,	140.4,	-166.9,	-50.6,
9	12.2,	210.5,	119.9,	-146.4,	-66.6,	10	12.2,	225.6,	153.3,	-150.2,	-80.6,
11	12.2,	233.9,	182.0,	-149.4,	-92.2,	12	12.2,	235.0,	205.2,	-144.1,	-100.9,
13	12.2,	229.1,	222.1,	-134.5,	-106.6,	14	12.2,	216.1,	232.3,	-120.7,	-109.0,
15	10.7,	84.1,	100.6,	-20.9,	30.4,	16	10.7,	73.2,	100.2,	-26.3,	35.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	12.2,	153.3,	225.6,	-32.2,	-73.6,	20	12.2,	182.0,	233.9,	-24.8,	-58.4,
21	12.2,	205.2,	235.0,	-16.6,	-41.6,	22	12.2,	222.1,	229.1,	-7.9,	-23.4,
23	12.2,	232.3,	216.1,	1.0,	-4.5,	24	12.2,	235.4,	196.6,	9.9,	14.5,
25	12.2,	231.4,	171.1,	18.4,	33.0,	26	10.7,	96.6,	60.1,	-68.6,	17.3,
27	10.7,	90.2,	45.1,	-63.6,	10.4,	28	12.2,	225.6,	153.3,	-3.1,	80.6,
29	12.2,	233.9,	182.0,	-32.5,	92.2,	30	12.2,	235.0,	205.2,	-61.0,	100.9,
31	12.2,	229.1,	222.1,	-87.6,	106.6,	32	12.2,	216.1,	232.3,	-111.6,	109.0,
33	10.7,	84.1,	100.6,	-79.8,	-30.4,	34	10.7,	73.2,	100.2,	-73.8,	-35.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC12

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	10.7,	81.5,	94.1,	-33.8,	-40.1,	4	10.7,	88.5,	93.2,	-26.6,	-37.2,
5	10.7,	92.7,	89.5,	-18.6,	-33.2,	6	10.7,	94.2,	83.1,	-10.0,	-28.1,
7	12.2,	231.4,	171.1,	-157.8,	113.6,	8	12.2,	220.4,	140.4,	-161.1,	99.3,
9	12.2,	210.5,	119.9,	-166.7,	82.0,	10	12.2,	225.6,	153.3,	-196.0,	62.3,
11	12.2,	233.9,	182.0,	-219.3,	40.6,	12	12.2,	235.0,	205.2,	-236.0,	17.7,
13	12.2,	229.1,	222.1,	-245.5,	-5.7,	14	12.2,	216.1,	232.3,	-247.6,	-29.0,
15	12.2,	196.6,	235.4,	-242.1,	-51.4,	16	12.2,	171.1,	231.4,	-229.3,	-72.2,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	10.7,	81.5,	94.1,	-60.3,	40.1,	22	10.7,	88.5,	93.2,	-66.6,	37.2,
23	10.7,	92.7,	89.5,	-70.9,	33.2,	24	10.7,	94.2,	83.1,	-73.1,	28.1,
25	12.2,	231.4,	171.1,	-13.3,	-113.6,	26	12.2,	220.4,	140.4,	20.6,	-99.3,
27	10.7,	81.6,	49.8,	-66.3,	8.6,	28	10.7,	87.3,	60.5,	-72.5,	1.3,
29	10.7,	92.1,	72.1,	-77.8,	-6.1,	30	10.7,	94.1,	81.5,	-80.9,	-13.2,
31	12.2,	229.1,	222.1,	23.4,	5.7,	32	12.2,	216.1,	232.3,	15.3,	29.0,
33	12.2,	196.6,	235.4,	6.7,	51.4,	34	12.2,	171.1,	231.4,	-2.1,	72.2,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC13

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.2,	155.9,	188.0,	-138.2,	79.4,
3	12.2,	172.8,	191.2,	-153.0,	70.5,	4	12.2,	184.4,	188.7,	-163.1,	59.5,
5	12.2,	190.4,	180.4,	-168.3,	46.7,	6	12.2,	190.6,	166.7,	-168.3,	32.4,
7	12.2,	185.0,	147.8,	-163.2,	17.2,	8	12.2,	173.8,	124.5,	-153.2,	1.4,
9	12.2,	164.6,	108.7,	-144.1,	-14.4,	10	12.2,	179.0,	134.3,	-153.1,	-29.8,
11	12.2,	188.0,	155.9,	-157.4,	-44.3,	12	12.2,	191.2,	172.8,	-156.9,	-57.4,
13	12.2,	188.7,	184.4,	-151.7,	-68.8,	14	12.2,	180.4,	190.4,	-141.9,	-78.1,
15	12.2,	166.7,	190.6,	-127.7,	-85.0,	16	10.7,	95.3,	115.9,	-21.4,	46.9,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.2,	155.9,	188.0,	-49.7,	-79.4,
21	12.2,	172.8,	191.2,	-38.2,	-70.5,	22	12.2,	184.4,	188.7,	-25.6,	-59.5,
23	12.2,	190.4,	180.4,	-12.1,	-46.7,	24	12.2,	190.6,	166.7,	1.7,	-32.4,
25	12.2,	185.0,	147.8,	15.4,	-17.2,	26	10.7,	108.3,	81.0,	-93.0,	27.8,
27	10.7,	102.2,	71.2,	-92.1,	18.3,	28	12.2,	179.0,	134.3,	18.8,	29.8,
29	12.2,	188.0,	155.9,	1.5,	44.3,	30	12.2,	191.2,	172.8,	-15.9,	57.4,
31	12.2,	188.7,	184.4,	-32.7,	68.8,	32	12.2,	180.4,	190.4,	-48.5,	78.1,
33	12.2,	166.7,	190.6,	-62.9,	85.0,	34	10.7,	95.3,	115.9,	-94.5,	-46.9,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

SOURCE ID: INCIC14

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	10.7,	77.1,	96.2,	-34.0,	-42.8,
3	10.7,	86.5,	98.2,	-27.8,	-39.7,	4	10.7,	93.3,	97.2,	-20.7,	-35.4,
5	10.7,	97.2,	93.3,	-13.0,	-30.0,	6	10.7,	98.2,	86.5,	-4.9,	-23.7,
7	10.7,	96.2,	77.1,	3.3,	-16.7,	8	10.7,	91.3,	65.4,	11.4,	-9.2,
9	10.7,	83.6,	51.6,	19.2,	-1.4,	10	10.7,	91.3,	65.4,	11.9,	6.5,
11	10.7,	96.2,	77.1,	4.2,	14.1,	12	10.7,	98.2,	86.5,	-3.6,	21.4,
13	10.7,	97.2,	93.3,	-11.3,	27.9,	14	10.7,	93.3,	97.2,	-18.6,	33.6,
15	10.7,	86.5,	98.2,	-25.4,	38.3,	16	10.7,	77.1,	96.2,	-31.4,	41.9,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	10.7,	77.1,	96.2,	-62.2,	42.8,
21	10.7,	86.5,	98.2,	-70.5,	39.7,	22	10.7,	93.3,	97.2,	-76.5,	35.4,
23	10.7,	97.2,	93.3,	-80.3,	30.0,	24	10.7,	98.2,	86.5,	-81.6,	23.7,
25	10.7,	96.2,	77.1,	-80.4,	16.7,	26	10.7,	91.3,	65.4,	-76.8,	9.2,
27	10.7,	83.6,	51.6,	-70.9,	1.4,	28	10.7,	91.3,	65.4,	-77.3,	-6.5,
29	10.7,	96.2,	77.1,	-81.3,	-14.1,	30	10.7,	98.2,	86.5,	-82.9,	-21.4,
31	10.7,	97.2,	93.3,	-82.0,	-27.9,	32	10.7,	93.3,	97.2,	-78.6,	-33.6,
33	10.7,	86.5,	98.2,	-72.8,	-38.3,	34	10.7,	77.1,	96.2,	-64.8,	-41.9,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT
*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: IRETAIL0

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	10.7,	243.6,	181.9,	-179.9,	-47.2,	2	10.7,	258.1,	212.7,	-185.7,	-61.9,
3	10.7,	264.8,	237.0,	-185.9,	-74.8,	4	10.7,	263.4,	254.1,	-180.5,	-85.4,
5	10.7,	254.1,	263.4,	-169.5,	-93.3,	6	10.7,	237.0,	264.8,	-153.4,	-98.5,
7	10.7,	212.7,	258.1,	-132.7,	-100.6,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	10.7,	181.9,	243.6,	-74.6,	-89.0,
11	10.7,	212.7,	258.1,	-67.1,	-79.4,	12	10.7,	237.0,	264.8,	-57.6,	-67.4,
13	10.7,	254.1,	263.4,	-46.3,	-53.4,	14	10.7,	263.4,	254.1,	-33.7,	-37.8,
15	10.7,	264.8,	237.0,	-20.0,	-21.0,	16	10.7,	258.1,	212.7,	-5.7,	-3.6,
17	10.7,	243.6,	181.9,	8.8,	13.9,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	10.7,	243.6,	181.9,	-2.0,	47.2,	20	10.7,	258.1,	212.7,	-26.9,	61.9,
21	10.7,	264.8,	237.0,	-51.0,	74.8,	22	10.7,	263.4,	254.1,	-73.6,	85.4,
23	10.7,	254.1,	263.4,	-93.9,	93.3,	24	10.7,	237.0,	264.8,	-111.4,	98.5,
25	10.7,	212.7,	258.1,	-125.5,	100.6,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	10.7,	181.9,	243.6,	-169.0,	89.0,
29	10.7,	212.7,	258.1,	-191.0,	79.4,	30	10.7,	237.0,	264.8,	-207.2,	67.4,
31	10.7,	254.1,	263.4,	-217.1,	53.4,	32	10.7,	263.4,	254.1,	-220.4,	37.8,
33	10.7,	264.8,	237.0,	-217.0,	21.0,	34	10.7,	258.1,	212.7,	-207.0,	3.6,
35	10.7,	243.6,	181.9,	-190.7,	-13.9,	36	10.7,	221.7,	145.6,	-168.6,	-31.1,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID ***
(METERS)

653709.4, 653809.4, 653909.4, 654009.4, 654109.4, 654209.4, 654309.4, 654409.4, 654509.4, 654609.4,

*** Y-COORDINATES OF GRID ***
(METERS)

4187469.2, 4187569.2, 4187669.2, 4187769.2, 4187869.2, 4187969.2, 4188069.2, 4188169.2, 4188269.2, 4188369.2,
4188469.2, 4188569.2, 4188669.2, 4188769.2, 4188869.2, 4188969.2, 4189069.2, 4189169.2, 4189269.2, 4189369.2,
4189469.2, 4189569.2, 4189669.2, 4189769.2, 4189869.2, 4189969.2, 4190069.2, 4190169.2, 4190269.2, 4190369.2,
4190469.2, 4190569.2, 4190669.2, 4190769.2, 4190869.2, 4190969.2, 4191069.2, 4191169.2, 4191269.2, 4191369.2,
4191469.2, 4191569.2, 4191669.2, 4191769.2, 4191869.2,

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS) 653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4191869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4191069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4190069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4189069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188369.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188269.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188169.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4188069.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187969.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)								
	653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4187869.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187769.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187669.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187569.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
4187469.21	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)
	654609.43
4191869.21	1.50
4191769.21	1.50
4191669.21	1.50
4191569.21	1.50
4191469.21	1.50
4191369.21	1.50
4191269.21	1.50
4191169.21	1.50
4191069.21	1.50
4190969.21	1.50
4190869.21	1.50
4190769.21	1.50
4190669.21	1.50
4190569.21	1.50
4190469.21	1.50
4190369.21	1.50
4190269.21	1.50
4190169.21	1.50
4190069.21	1.50
4189969.21	1.50
4189869.21	1.50
4189769.21	1.50
4189669.21	1.50
4189569.21	1.50
4189469.21	1.50
4189369.21	1.50
4189269.21	1.50
4189169.21	1.50
4189069.21	1.50
4188969.21	1.50
4188869.21	1.50
4188769.21	1.50
4188669.21	1.50
4188569.21	1.50
4188469.21	1.50
4188369.21	1.50
4188269.21	1.50
4188169.21	1.50
4188069.21	1.50
4187969.21	1.50

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* RECEPTOR FLAGPOLE HEIGHTS IN METERS *

Y-COORD (METERS)	X-COORD (METERS)
	654609.43
4187869.21	1.50
4187769.21	1.50
4187669.21	1.50
4187569.21	1.50
4187469.21	1.50

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

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

(653704.1, 4188059.6,	8.0,	8.0,	1.5);	(653739.0, 4187982.7,	8.0,	8.0,	1.5);
(653774.0, 4187974.0,	8.0,	8.0,	1.5);	(653809.0, 4187979.2,	8.0,	8.0,	1.5);
(653716.3, 4188105.1,	8.0,	8.0,	1.5);	(653814.2, 4188038.6,	8.0,	8.0,	1.5);
(653845.7, 4188094.6,	8.0,	8.0,	1.5);	(653913.8, 4187967.0,	8.0,	8.0,	1.5);
(653857.9, 4187979.2,	8.0,	8.0,	1.5);	(653684.9, 4188140.0,	8.0,	8.0,	1.5);
(653723.3, 4188183.7,	8.0,	8.0,	1.5);	(653782.7, 4187900.6,	8.0,	8.0,	1.5);
(653788.0, 4187849.9,	8.0,	8.0,	1.5);	(653784.5, 4187807.9,	8.0,	8.0,	1.5);
(653740.8, 4187794.0,	8.0,	8.0,	1.5);	(653693.6, 4187794.0,	8.0,	8.0,	1.5);
(653611.5, 4187907.6,	8.0,	8.0,	1.5);	(653548.5, 4187912.8,	8.0,	8.0,	1.5);
(653611.5, 4187849.9,	8.0,	8.0,	1.5);	(653459.4, 4187916.3,	8.0,	8.0,	1.5);
(653391.2, 4187914.6,	8.0,	8.0,	1.5);	(653615.0, 4187785.2,	8.0,	8.0,	1.5);

```
    ( 653691.9, 4188389.9,       8.0,       8.0,       1.5);         ( 653681.4, 4188468.6,       8.0,       8.0,       1.5);
    ( 653672.6, 4188533.3,       8.0,       8.0,       1.5);         ( 653658.6, 4188639.9,       8.0,       8.0,       1.5);
    ( 653642.9, 4189129.2,       8.0,       8.0,       1.5);         ( 653646.4, 4189377.4,       8.0,       8.0,       1.5);
    ( 653639.4, 4189527.7,       8.0,       8.0,       1.5);         ( 653620.2, 4189735.7,       8.0,       8.0,       1.5);
    ( 653604.5, 4190029.3,       8.0,       8.0,       1.5);         ( 653629.2, 4190985.6,       8.0,       8.0,       1.5);
    ( 653634.4, 4191226.8,       8.0,       8.0,       1.5);         ( 653538.3, 4191464.5,       8.0,       8.0,       1.5);
    ( 653833.4, 4187890.5,       8.0,       8.0,       1.5);         ( 653873.3, 4187905.5,       8.0,       8.0,       1.5);
    ( 653913.2, 4187900.5,       8.0,       8.0,       1.5);
 *** AERMOD - VERSION 09292 ***    *** Master Plan Build Out - 2024                                          ***       07/21/10
                                   *** Period Average DPM Concnetrations                                     ***       22:54:59
                                                                                                                       PAGE  65

**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                         FASTALL                    NODRYDPLT NOWETDPLT

                                  *** 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
                    METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2004   1  1  1
                                                      AND END DATE: 2008  12 31 24

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


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

                                                1.54,   3.09,   5.14,   8.23,  10.80,
 *** AERMOD - VERSION 09292 ***    *** Master Plan Build Out - 2024                                          ***       07/21/10
                                   *** Period Average DPM Concnetrations                                     ***       22:54:59
                                                                                                                       PAGE  66
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                         FASTALL                    NODRYDPLT NOWETDPLT

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

  Surface file:   MetData\2004-2008.SFC                                                          Met Version:  06341
  Profile file:   MetData\2004-2008.PFL
  Surface format: FREE
  Profile format: FREE
  Surface station no.:    23237                 Upper air station no.:    23230
                Name: UNKNOWN                                 Name: OAKLAND/WSO_AP
                Year:   2004                                  Year:   2004

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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
04 01 01   1 01  -15.7  0.278 -9.000 -9.000 -999.  337.    123.5  0.02   0.81   1.00    4.60  130.   10.0  282.0    2.0
04 01 01   1 02  -23.7  0.419 -9.000 -9.000 -999.  624.    280.8  0.02   0.81   1.00    6.70  140.   10.0  282.0    2.0
04 01 01   1 03  -29.3  0.518 -9.000 -9.000 -999.  857.    428.9  0.02   0.81   1.00    8.20  130.   10.0  282.0    2.0
04 01 01   1 04  -33.3  0.590 -9.000 -9.000 -999. 1041.    557.3  0.02   0.81   1.00    9.30  140.   10.0  282.5    2.0
04 01 01   1 05  -29.3  0.518 -9.000 -9.000 -999.  863.    428.9  0.02   0.81   1.00    8.20  150.   10.0  282.0    2.0
04 01 01   1 06  -31.5  0.557 -9.000 -9.000 -999.  956.    496.4  0.02   0.81   1.00    8.80  150.   10.0  282.0    2.0
04 01 01   1 07  -29.3  0.518 -9.000 -9.000 -999.  860.    428.9  0.02   0.81   1.00    8.20  160.   10.0  282.0    2.0
04 01 01   1 08  -38.8  0.688 -9.000 -9.000 -999. 1311.    757.6  0.02   0.81   0.73   10.80  140.   10.0  282.0    2.0
04 01 01   1 09  -16.0  0.757 -9.000 -9.000 -999. 1512.   2447.4  0.02   0.81   0.39   11.80  140.   10.0  282.0    2.0
04 01 01   1 10    7.1  0.799  0.275  0.008  106. 1639.  -6518.6  0.02   0.81   0.27   12.40  150.   10.0  282.0    2.0
04 01 01   1 11   15.0  0.665  0.419  0.005  177. 1269.  -1777.2  0.02   0.81   0.23   10.30  150.   10.0  282.0    2.0
04 01 01   1 12   19.3  0.762  0.523  0.007  268. 1526.  -2068.5  0.02   0.81   0.22   11.80  150.   10.0  282.0    2.0
04 01 01   1 13   19.8  0.762  0.584  0.007  361. 1529.  -2013.3  0.02   0.81   0.21   11.80  160.   10.0  282.0    2.0
04 01 01   1 14   16.5  0.437  0.586  0.005  439.  775.   -455.1  0.02   0.81   0.22    6.70  160.   10.0  282.0    2.0
04 01 01   1 15    9.6  0.530  0.505  0.005  485.  887.  -1404.6  0.02   0.81   0.26    8.20  160.   10.0  282.0    2.0
04 01 01   1 16   -0.7  0.463 -9.000 -9.000 -999.  729.   8888.0  0.02   0.81   0.35    7.20  150.   10.0  282.5    2.0
04 01 01   1 17  -34.4  0.340 -9.000 -9.000 -999.  466.    103.5  0.02   0.81   0.60    5.70  150.   10.0  282.0    2.0
04 01 01   1 18  -22.3  0.224 -9.000 -9.000 -999.  252.     45.8  0.02   0.81   1.00    4.10  140.   10.0  280.9    2.0
04 01 01   1 19  -17.7  0.312 -9.000 -9.000 -999.  401.    155.0  0.02   0.81   1.00    5.10  160.   10.0  280.9    2.0
04 01 01   1 20  -21.9  0.386 -9.000 -9.000 -999.  551.    237.1  0.02   0.81   1.00    6.20  160.   10.0  280.9    2.0
04 01 01   1 21  -23.6  0.350 -9.000 -9.000 -999.  476.    163.5  0.02   0.81   1.00    5.70  150.   10.0  280.9    2.0
04 01 01   1 22  -24.7  0.217 -9.000 -9.000 -999.  242.     37.5  0.02   0.81   1.00    4.10  160.   10.0  280.4    2.0
04 01 01   1 23  -11.3  0.100 -9.000 -9.000 -999.   81.      8.0  0.02   0.81   1.00    3.10  160.   10.0  279.2    2.0
04 01 01   1 24   -7.9  0.084 -9.000 -9.000 -999.   56.      6.7  0.02   0.81   1.00    2.60  150.   10.0  278.1    2.0


First hour of profile data
YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
04 01 01 01   10.0 1  130.    4.60   282.1   99.0  -99.00  -99.00

F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 09292 ***    *** Master Plan Build Out - 2024                                          ***       07/21/10
                                   *** Period Average DPM Concnetrations                                     ***       22:54:59
                                                                                                                       PAGE  67
**MODELOPTs:  NonDFAULT CONC                                  FLAT
    FLGPOL                         FASTALL                    NODRYDPLT NOWETDPLT

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):      L0007118, L0007119, L0007120, L0007121, L0007122, L0007123, L0007124,
        L0007125, L0007126, L0007127, L0007128, L0007129, L0007130, L0007131, L0007132, L0007133, L0007134, L0007135, L0007136,
        L0007137, L0007138, L0007139, L0007140, L0007141, L0007142, L0007143, L0007144, L0007145, L0007146, L0007147,  . . . ,

                                  *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

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

   Y-COORD  |                                              X-COORD (METERS)
   (METERS) |     653709.43    653809.43    653909.43    654009.43    654109.43    654209.43    654309.43    654409.43    654509.43
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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4191869.21	0.00049	0.00047	0.00046	0.00045	0.00044	0.00044	0.00043	0.00043	0.00043
4191769.21	0.00055	0.00053	0.00052	0.00051	0.00051	0.00051	0.00050	0.00050	0.00050
4191669.21	0.00064	0.00062	0.00061	0.00061	0.00060	0.00059	0.00059	0.00059	0.00058
4191569.21	0.00076	0.00075	0.00074	0.00074	0.00073	0.00072	0.00071	0.00070	0.00069
4191469.21	0.00097	0.00095	0.00094	0.00092	0.00090	0.00088	0.00086	0.00084	0.00082
4191369.21	0.00131	0.00126	0.00122	0.00118	0.00113	0.00109	0.00106	0.00102	0.00099
4191269.21	0.00186	0.00173	0.00162	0.00151	0.00142	0.00135	0.00129	0.00123	0.00118
4191169.21	0.00261	0.00232	0.00210	0.00192	0.00178	0.00166	0.00157	0.00148	0.00140
4191069.21	0.00344	0.00297	0.00263	0.00237	0.00216	0.00201	0.00187	0.00175	0.00163
4190969.21	0.00432	0.00368	0.00323	0.00289	0.00263	0.00240	0.00220	0.00204	0.00190
4190869.21	0.00516	0.00440	0.00386	0.00343	0.00308	0.00280	0.00256	0.00235	0.00216
4190769.21	0.00618	0.00532	0.00464	0.00409	0.00364	0.00326	0.00294	0.00267	0.00244
4190669.21	0.00783	0.00660	0.00562	0.00485	0.00423	0.00373	0.00333	0.00299	0.00271
4190569.21	0.01080	0.00831	0.00670	0.00558	0.00477	0.00415	0.00366	0.00326	0.00294
4190469.21	0.01264	0.00925	0.00730	0.00601	0.00509	0.00442	0.00389	0.00346	0.00311
4190369.21	0.01175	0.00908	0.00733	0.00612	0.00524	0.00456	0.00402	0.00359	0.00323
4190269.21	0.01032	0.00850	0.00713	0.00608	0.00527	0.00462	0.00409	0.00367	0.00332
4190169.21	0.00926	0.00798	0.00689	0.00599	0.00526	0.00466	0.00416	0.00373	0.00337
4190069.21	0.00901	0.00780	0.00679	0.00596	0.00525	0.00467	0.00419	0.00378	0.00343
4189969.21	0.00961	0.00790	0.00677	0.00592	0.00524	0.00466	0.00418	0.00379	0.00345
4189869.21	0.00956	0.00779	0.00665	0.00583	0.00518	0.00464	0.00417	0.00378	0.00345
4189769.21	0.00890	0.00741	0.00640	0.00564	0.00504	0.00456	0.00414	0.00377	0.00345
4189669.21	0.00822	0.00702	0.00616	0.00548	0.00494	0.00449	0.00410	0.00375	0.00344
4189569.21	0.00776	0.00675	0.00597	0.00539	0.00488	0.00446	0.00408	0.00375	0.00346
4189469.21	0.00745	0.00663	0.00595	0.00538	0.00488	0.00445	0.00407	0.00375	0.00346
4189369.21	0.00781	0.00689	0.00613	0.00549	0.00496	0.00450	0.00410	0.00377	0.00347
4189269.21	0.01011	0.00790	0.00661	0.00573	0.00508	0.00457	0.00414	0.00377	0.00347
4189169.21	0.01197	0.00863	0.00693	0.00586	0.00513	0.00458	0.00413	0.00376	0.00345
4189069.21	0.01078	0.00832	0.00684	0.00582	0.00508	0.00453	0.00408	0.00371	0.00341
4188969.21	0.00975	0.00787	0.00657	0.00566	0.00496	0.00444	0.00401	0.00364	0.00334
4188869.21	0.00874	0.00726	0.00621	0.00541	0.00478	0.00428	0.00389	0.00356	0.00327
4188769.21	0.00759	0.00659	0.00580	0.00514	0.00460	0.00414	0.00377	0.00345	0.00318
4188669.21	0.00700	0.00612	0.00544	0.00490	0.00443	0.00402	0.00367	0.00337	0.00310
4188569.21	0.00688	0.00593	0.00526	0.00474	0.00428	0.00389	0.00354	0.00325	0.00300
4188469.21	0.00711	0.00601	0.00528	0.00468	0.00419	0.00377	0.00344	0.00315	0.00291
4188369.21	0.00853	0.00656	0.00541	0.00465	0.00407	0.00366	0.00331	0.00302	0.00279
4188269.21	0.00986	0.00659	0.00521	0.00438	0.00386	0.00344	0.00311	0.00285	0.00264
4188169.21	0.00688	0.00544	0.00454	0.00394	0.00350	0.00315	0.00288	0.00265	0.00246
4188069.21	0.00461	0.00422	0.00376	0.00341	0.00310	0.00285	0.00263	0.00244	0.00228
4187969.21	0.00332	0.00327	0.00312	0.00291	0.00273	0.00254	0.00238	0.00223	0.00210

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0007118, L0007119, L0007120, L0007121, L0007122, L0007123, L0007124,
L0007125, L0007126, L0007127, L0007128, L0007129, L0007130, L0007131, L0007132, L0007133, L0007134, L0007135, L0007136,
L0007137, L0007138, L0007139, L0007140, L0007141, L0007142, L0007143, L0007144, L0007145, L0007146, L0007147, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	653709.43	653809.43	653909.43	654009.43	654109.43	654209.43	654309.43	654409.43	654509.43
4187869.21	0.00256	0.00260	0.00257	0.00249	0.00239	0.00227	0.00215	0.00203	0.00193
4187769.21	0.00208	0.00214	0.00215	0.00214	0.00209	0.00202	0.00194	0.00185	0.00176
4187669.21	0.00174	0.00180	0.00184	0.00184	0.00184	0.00180	0.00175	0.00169	0.00162
4187569.21	0.00149	0.00156	0.00159	0.00161	0.00162	0.00161	0.00158	0.00154	0.00149
4187469.21	0.00130	0.00137	0.00140	0.00142	0.00144	0.00144	0.00143	0.00141	0.00137

**MODELOPTs: NonDFAULT CONC FLAT
FLGPOL FASTALL NODRYDPLT NOWETDPLT

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0007118, L0007119, L0007120, L0007121, L0007122, L0007123, L0007124,
L0007125, L0007126, L0007127, L0007128, L0007129, L0007130, L0007131, L0007132, L0007133, L0007134, L0007135, L0007136,
L0007137, L0007138, L0007139, L0007140, L0007141, L0007142, L0007143, L0007144, L0007145, L0007146, L0007147, . . . ,

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

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

Y-COORD (METERS)	654609.43
4191869.21	0.00043
4191769.21	0.00049
4191669.21	0.00058
4191569.21	0.00068
4191469.21	0.00080
4191369.21	0.00096
4191269.21	0.00114
4191169.21	0.00133
4191069.21	0.00154
4190969.21	0.00177
4190869.21	0.00200
4190769.21	0.00224
4190669.21	0.00246
4190569.21	0.00267
4190469.21	0.00282
4190369.21	0.00292
4190269.21	0.00302
4190169.21	0.00306
4190069.21	0.00313
4189969.21	0.00315
4189869.21	0.00317
4189769.21	0.00318
4189669.21	0.00317

```
 4189569.21 |       0.00318
 4189469.21 |       0.00320
 4189369.21 |       0.00321
 4189269.21 |       0.00320
 4189169.21 |       0.00318
 4189069.21 |       0.00314
 4188969.21 |       0.00309
 4188869.21 |       0.00302
 4188769.21 |       0.00294
 4188669.21 |       0.00286
 4188569.21 |       0.00278
 4188469.21 |       0.00269
 4188369.21 |       0.00258
 4188269.21 |       0.00245
 4188169.21 |       0.00230
 4188069.21 |       0.00214
 4187969.21 |       0.00198
 *** AERMOD - VERSION 09292 ***    *** Master Plan Build Out - 2024                                    ***        07/21/10
                                   *** Period Average DPM Concnetrations                               ***        22:54:59
                                                                                                               PAGE  70
**MODELOPTs:  NonDFAULT CONC                              FLAT
    FLGPOL                         FASTALL                NODRYDPLT NOWETDPLT

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):      L0007118, L0007119, L0007120, L0007121, L0007122, L0007123, L0007124,
        L0007125, L0007126, L0007127, L0007128, L0007129, L0007130, L0007131, L0007132, L0007133, L0007134, L0007135, L0007136,
        L0007137, L0007138, L0007139, L0007140, L0007141, L0007142, L0007143, L0007144, L0007145, L0007146, L0007147,  . . . ,

                                     *** NETWORK ID: UCART1   ;  NETWORK TYPE: GRIDCART ***

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

   Y-COORD  |                                                 X-COORD (METERS)
   (METERS) |     654609.43
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 4187869.21 |       0.00184
 4187769.21 |       0.00169
 4187669.21 |       0.00156
 4187569.21 |       0.00143
 4187469.21 |       0.00132
 *** AERMOD - VERSION 09292 ***    *** Master Plan Build Out - 2024                                    ***        07/21/10
                                   *** Period Average DPM Concnetrations                               ***        22:54:59
                                                                                                               PAGE  71
**MODELOPTs:  NonDFAULT CONC                              FLAT
    FLGPOL                         FASTALL                NODRYDPLT NOWETDPLT

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ALL      ***
                                    INCLUDING SOURCE(S):      L0007118, L0007119, L0007120, L0007121, L0007122, L0007123, L0007124,
        L0007125, L0007126, L0007127, L0007128, L0007129, L0007130, L0007131, L0007132, L0007133, L0007134, L0007135, L0007136,
        L0007137, L0007138, L0007139, L0007140, L0007141, L0007142, L0007143, L0007144, L0007145, L0007146, L0007147,  . . . ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)   Y-COORD (M)        CONC
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
       653704.08    4188059.62        0.00446                    653739.04    4187982.72        0.00345
       653773.99    4187973.98        0.00335                    653808.95    4187979.23        0.00335
       653716.32    4188105.07        0.00524                    653814.19    4188038.65        0.00389
       653845.65    4188094.58        0.00430                    653913.81    4187966.99        0.00310
       653857.88    4187979.23        0.00327                    653684.86    4188140.02        0.00633
       653723.31    4188183.71        0.00702                    653782.73    4187900.58        0.00279
       653787.97    4187849.89        0.00250                    653784.48    4187807.95        0.00229
       653740.78    4187793.97        0.00220                    653693.60    4187793.97        0.00217
       653611.45    4187907.57        0.00266                    653548.53    4187912.81        0.00253
       653611.45    4187849.89        0.00230                    653459.40    4187916.31        0.00231
       653391.24    4187914.56        0.00211                    653614.95    4187785.23        0.00201
       653691.85    4188389.95        0.00842                    653681.36    4188468.60        0.00770
       653672.62    4188533.26        0.00748                    653658.64    4188639.87        0.00763
       653642.91    4189129.24        0.01541                    653646.41    4189377.42        0.00855
       653639.42    4189527.73        0.00839                    653620.19    4189735.71        0.01063
       653604.46    4190029.33        0.01137                    653629.19    4190985.62        0.00492
       653634.43    4191226.81        0.00236                    653538.30    4191464.51        0.00103
       653833.41    4187890.51        0.00272                    653873.29    4187905.46        0.00278
       653913.18    4187900.48        0.00273
 *** AERMOD - VERSION 09292 ***    *** Master Plan Build Out - 2024                                    ***        07/21/10
                                   *** Period Average DPM Concnetrations                               ***        22:54:59
                                                                                                               PAGE  72
**MODELOPTs:  NonDFAULT CONC                              FLAT
    FLGPOL                         FASTALL                NODRYDPLT NOWETDPLT

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

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

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

ALL      1ST HIGHEST VALUE IS       0.01541 AT (  653642.91,  4189129.24,     8.00,     8.00,    1.50)  DC
         2ND HIGHEST VALUE IS       0.01264 AT (  653709.43,  4190469.21,     8.00,     8.00,    1.50)  GC  UCART1
         3RD HIGHEST VALUE IS       0.01197 AT (  653709.43,  4189169.21,     8.00,     8.00,    1.50)  GC  UCART1
         4TH HIGHEST VALUE IS       0.01175 AT (  653709.43,  4190369.21,     8.00,     8.00,    1.50)  GC  UCART1
         5TH HIGHEST VALUE IS       0.01137 AT (  653604.46,  4190029.33,     8.00,     8.00,    1.50)  DC
         6TH HIGHEST VALUE IS       0.01080 AT (  653709.43,  4190569.21,     8.00,     8.00,    1.50)  GC  UCART1
         7TH HIGHEST VALUE IS       0.01078 AT (  653709.43,  4189069.21,     8.00,     8.00,    1.50)  GC  UCART1
         8TH HIGHEST VALUE IS       0.01063 AT (  653620.19,  4189735.71,     8.00,     8.00,    1.50)  DC
         9TH HIGHEST VALUE IS       0.01032 AT (  653709.43,  4190269.21,     8.00,     8.00,    1.50)  GC  UCART1
        10TH HIGHEST VALUE IS       0.01011 AT (  653709.43,  4189269.21,     8.00,     8.00,    1.50)  GC  UCART1


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
```

```
                    DC = DISCCART
                    DP = DISCPOLR
 *** AERMOD - VERSION 09292 ***    *** Master Plan Build Out - 2024                                  ***        07/21/10
                                *** Period Average DPM Concnetrations                              ***        22:54:59
                                                                                                              PAGE  73

**MODELOPTs:  NonDFAULT CONC                                    FLAT
    FLGPOL                      FASTALL                         NODRYDPLT NOWETDPLT

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

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

A Total of            0 Fatal Error Message(s)
A Total of           37 Warning Message(s)
A Total of         8775 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of         7723 Calm Hours Identified

A Total of         1052 Missing Hours Identified (  2.40 Percent)


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


   ********   WARNING MESSAGES   ********
SO W320  2391 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2392 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2393 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2394 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2395 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2396 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2397 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2398 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2399 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2400 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2401 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2402 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2403 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2404 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2405 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2406 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  2407 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3239 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3240 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3241 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3242 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3243 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3244 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3245 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3246 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3247 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3248 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3249 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3250 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3251 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3252 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3253 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3254 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3255 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3256 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3257 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS
SO W320  3283 PPARM :Input Parameter May Be Out-of-Range for Parameter       VS

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

C.3 - Fuel Consumption Data

Diesel Fuel Consumption Calculations
Northwest Airport Way Master Plan

Prepared by Michael Brandman Associates
28-Jul

Phase	Start Date	End Date	# of days	# work days
Phase 1				
Demolition	1/2/12	1/12/12	10	7
Grading	1/13/12	4/13/12	91	65
Trenching	6/3/13	6/28/13	25	18
Paving	5/1/13	5/31/13	30	21
Building	4/16/12	5/31/13	410	293
Phase 2				
Demolition	1/2/18	1/15/18	13	9
Grading	1/2/18	2/28/18	57	41
Paving	12/3/18	12/14/18	11	8
Building	3/1/18	12/14/18	288	206
Phase 3				
Grading	1/2/23	1/31/23	29	21
Paving	6/19/23	6/30/23	11	8
Building	2/1/23	6/30/23	149	106

Total Fuel Consumption (gallons)	
Phase 1	5,148,674
Phase 2	1,488,240
Phase 3	478,781
Total	**7,115,695**

Diesel Fuel Consumption Calculations
Phase 1 of Construction
Northwest Airport Way Master Plan
Prepared by Michael Brandman Associates
26-Jul

Formula:

$$LPMH = (K \times GHP \times LF) \div KPL$$

Constants:

Desc	Symbol	Quantity	Units		
fuel consumption	K =	0.17	kg/brake hp-hour	1 Liter =	0.264172 gallons
weight	KPL =	0.84	kg/liter		

Phase / Type	GHP	LF	LPMH	GPH	Quantity	hrs/day	Total Days	Total Fuel (gals)
Demolition								
Excavator	168	0.57	19.38	73.36	3	8	7	12,576
Rubber tired dozers	357	0.59	42.63	161.36	2	8	7	18,441
							Subtotal	**31,018**
Grading								
Excavator	168	0.57	19.38	73.36	1	8	65	38,148
Grader	174	0.61	21.48	81.31	2	8	65	84,566
Rubber tired dozers	357	0.59	42.63	161.36	1	8	65	83,909
Scraper	313	0.72	45.61	172.65	3	8	65	269,330
Tractor/loader/backhoe	108	0.55	12.02	45.51	3	8	65	70,989
Water truck	189	0.50	19.13	72.40	1	8	65	37,646
							Subtotal	**584,587**
Trenching								
Excavator	168	0.57	19.38	73.36	2	8	18	20,960
Other general industrial	238	0.51	24.57	92.99	2	8	18	26,568
Tractor/loader/backhoe	108	0.55	12.02	45.51	1	8	18	6,501
Trencher	63	0.75	9.56	36.20	1	8	18	5,171
							Subtotal	**59,201**
Paving								
Paver	100	0.62	12.55	47.50	1	8	21	8,142
Paving equipment	104	0.53	11.16	42.23	2	8	21	14,478
Roller	95	0.56	10.77	40.76	2	6	21	10,480
							Subtotal	**33,101**
Building								
Cranes	399	0.43	34.72	131.44	4	7	293	1,077,799
Forklifts	145	0.30	8.80	33.33	5	8	293	390,380
Generator sets	400	0.74	59.90	226.76	5	8	293	2,656,381
Tractor/loader/backhoe	108	0.55	12.02	45.51	3	7	293	279,862
Welder	45	0.45	4.10	15.51	1	8	293	36,346
							Subtotal	**4,440,768**
							Phase 1 Diesel Fuel Consumption	***5,148,674***

Diesel Fuel Consumption Calculations
Phase 2 of Construction
Northwest Airport Way Master Plan
Prepared by Michael Brandman Associates
26-Jul

Formula:

$$LPMH = (K \times GHP \times LF) \div KPL$$

Constants:

Desc	Symbol	Quantity	Units		
fuel consumption	K =	0.17	kg/brake hp-hour	1 Liter =	0.264172 gallons
weight	KPL =	0.84	kg/liter		

Phase / Type	GHP	LF	LPMH	GPH	Quantity	hrs/day	Total Days	Total Fuel (gals)
Demolition								
Excavator	168	0.57	19.38	73.36	3	8	9	16,349
Rubber tired dozers	357	0.59	42.63	161.36	2	8	9	23,974
							Subtotal	**40,323**
Grading								
Excavator	168	0.57	19.38	73.36	1	8	41	23,895
Grader	174	0.61	21.48	81.31	1	8	41	26,485
Rubber tired dozers	357	0.59	42.63	161.36	1	8	41	52,558
Scraper	313	0.72	45.61	172.65	2	8	41	112,467
Tractor/loader/backhoe	108	0.55	12.02	45.51	3	7	41	38,908
Water truck	189	0.50	19.13	72.40	1	8	41	23,580
							Subtotal	**253,998**
Paving								
Paver	100	0.62	12.55	47.50	1	8	8	2,986
Paving equipment	104	0.53	11.16	42.23	2	6	8	3,981
Roller	95	0.56	10.77	40.76	2	6	8	3,843
							Subtotal	**10,810**
Building								
Cranes	399	0.43	34.72	131.44	1	7	206	189,272
Forklifts	145	0.30	8.80	33.33	2	7	206	95,976
Generator sets	400	0.74	59.90	226.76	2	8	206	746,378
Tractor/loader/backhoe	108	0.55	12.02	45.51	1	8	206	74,890
Welder	45	0.45	4.10	15.51	3	8	206	76,592
							Subtotal	**1,183,109**
							Phase 2 Diesel Fuel Consumption	***1,488,240***

Diesel Fuel Consumption Calculations
Phase 3 of Construction
Northwest Airport Way Master Plan
Prepared by Michael Brandman Associates
26-Jul

Formula:

$$LPMH = (K \times GHP \times LF) \div KPL$$

Constants:

Desc	Symbol	Quantity	Units		
fuel consumption	K =	0.17	kg/brake hp-hour	1 Liter =	0.264172 gallons
weight	KPL =	0.84	kg/liter		

Phase / Type	GHP	LF	LPMH	GPH	Quantity	hrs/day	Total Days	Total Fuel (gals)
Grading								
Excavator	168	0.57	19.38	73.36	1	8	21	12,157
Grader	174	0.61	21.48	81.31	1	8	21	13,475
Rubber tired dozers	357	0.59	42.63	161.36	1	8	21	26,740
Tractor/loader/backhoe	108	0.55	12.02	45.51	3	7	21	19,795
Water truck	189	0.50	19.13	72.40	1	8	21	11,997
							Subtotal	**72,007**
Paving								
Cement and mortar mixer	10	0.56	1.13	4.29	4	6	8	809
Paver	100	0.62	12.55	47.50	1	7	8	2,612
Paving equipment	104	0.53	11.16	42.23	2	6	8	3,981
Roller	95	0.56	10.77	40.76	1	7	8	2,242
							Subtotal	**8,835**
Building								
Cranes	399	0.43	34.72	131.44	1	6	106	83,933
Forklifts	145	0.30	8.80	33.33	2	6	106	42,561
Generator sets	400	0.74	59.90	226.76	1	8	106	193,074
Tractor/loader/backhoe	108	0.55	12.02	45.51	1	8	106	38,745
Welder	45	0.45	4.10	15.51	3	8	106	39,626
							Subtotal	**397,939**
							Phase 3 Diesel Fuel Consumption	***478,781***

The fuel consumption rate for a piece of equipment depends on the engine size, load factor, the condition of the equipment, operator's habit, environmental conditions, and the basic design of equipment.

To determine the hourly fuel cost, the total fuel cost is divided by the productive time of the equipment. If fuel consumption records are not available, the following formula can be used to estimate liters of fuel used per machine hour,

$$LMPH = \frac{K \times GHP \times LF}{KPL}$$

where:

- LMPH is the liters used per machine hour,
- K is the kg of fuel used per brake hp/hour,
- GHP is the gross engine horsepower at governed engine rpm,
- LF is the load factor in percent, and
- KPL is the weight of fuel in kg/liter.

Typical values are given in Table 3.3. The load factor is the ratio of the average horsepower used to gross horsepower available at the flywheel.

TABLE 3.3. Weights, fuel consumption rates, and load factors for diesel and gasoline engines.

Engine	Weight (KPL) kg/liter	Fuel Consumption (K) kg/brake hp-hour	Load Factor (LF)		
			Low	Med	High
Gasoline	0.72	0.21	0.38	0.54	0.7
Diesel	0.84	0.17	0.38	0.54	0.7

Source:

Cost Control in Forest Harvesting and Road Construction. Food and Agriculture Organization of the United Nations. Rome, 1992