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Urbemis 2007 Version 9.2.0

Combined Annual Emissions Reports (Tons/Year)

File Name: I:\Projects\ENV Projects\500 Series\ENV-515 (Salinas Ag-Ind Business Park EIR)\Technical Reports and Plans\Project Specific Techni
Reports\Air Quality - URBEMIS\ENV-515 Urbemis February 2009.urb9

Project Name: Salinas Ag Project 2nd Run Feb 2009

Project Location: Monterey County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	114.07	95.86	1,285.01	4.68	1,289.69	9,106.62
2011 TOTALS (lbs/day unmitigated)	113.61	32.95	0.31	1.52	1.82	7,924.61
2012 TOTALS (lbs/day unmitigated)	113.17	30.21	0.31	1.39	1.69	7,922.70
2013 TOTALS (lbs/day unmitigated)	112.73	27.46	0.31	1.25	1.56	7,921.13
2014 TOTALS (lbs/day unmitigated)	112.32	24.79	0.31	1.11	1.42	7,919.85

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	6.00	0.15	0.00	176.63

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	121.42	1,082.30	354.43	330,202.57

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>PM10</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	127.42	1,082.45	354.43	330,379.20

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Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

	<u>ROG</u>	<u>NOx</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>CO2</u>
Time Slice 1/4/2010-1/8/2010 Number Active Days: 5	5.62	46.60	0.01	2.23	2.24	4,264.33
Demolition 01/04/2010-01/08/2010	5.62	46.60	0.01	2.23	2.24	4,264.33
Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Demo Off Road Diesel	5.54	46.44	0.00	2.22	2.22	4,132.45
Demo On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Demo Worker Trips	0.08	0.16	0.01	0.01	0.01	131.88
Time Slice 1/11/2010-3/26/2010 Number Active Days: 55	11.36	<u>95.86</u>	<u>1,285.01</u>	<u>4.68</u>	<u>1,289.69</u>	<u>9,106.62</u>
Mass Grading 01/11/2010-03/26/2010	11.36	95.86	1,285.01	4.68	1,289.69	9,106.62
Mass Grading Dust	0.00	0.00	1,285.00	0.00	1,285.00	0.00
Mass Grading Off Road Diesel	11.19	95.53	0.00	4.66	4.66	8,842.87
Mass Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Mass Grading Worker Trips	0.17	0.33	0.01	0.01	0.02	263.76
Time Slice 3/29/2010-4/30/2010 Number Active Days: 25	11.36	<u>95.86</u>	<u>1,285.01</u>	<u>4.68</u>	<u>1,289.69</u>	<u>9,106.62</u>
Fine Grading 03/29/2010-04/30/2010	11.36	95.86	1,285.01	4.68	1,289.69	9,106.62
Fine Grading Dust	0.00	0.00	1,285.00	0.00	1,285.00	0.00
Fine Grading Off Road Diesel	11.19	95.53	0.00	4.66	4.66	8,842.87
Fine Grading On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00
Fine Grading Worker Trips	0.17	0.33	0.01	0.01	0.02	263.76

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Time Slice 5/3/2010-5/28/2010 Number Active Days: 20	15.70	72.25	0.22	3.81	4.03	8,030.94
Asphalt 05/03/2010-05/28/2010	15.70	72.25	0.22	3.81	4.03	8,030.94
Paving Off-Gas	8.42	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	3.20	19.17	0.00	1.68	1.68	1,418.81
Paving On Road Diesel	4.00	52.92	0.22	2.13	2.34	6,480.24
Paving Worker Trips	0.08	0.16	0.01	0.01	0.01	131.88
Time Slice 6/1/2010-6/30/2010 Number Active Days: 22	2.13	17.82	0.01	0.88	0.89	1,820.14
Trenching 06/01/2010-06/30/2010	2.13	17.82	0.01	0.88	0.89	1,820.14
Trenching Off Road Diesel	2.06	17.69	0.00	0.88	0.88	1,714.64
Trenching Worker Trips	0.07	0.13	0.01	0.00	0.01	105.50
Time Slice 7/5/2010-9/6/2010 Number Active Days: 46	5.86	35.52	0.30	1.62	1.92	7,793.82
Building 07/05/2010-12/31/2014	5.86	35.52	0.30	1.62	1.92	7,793.82
Building Off Road Diesel	1.77	9.46	0.00	0.59	0.59	941.22
Building Vendor Trips	1.86	21.67	0.12	0.88	0.99	3,309.29
Building Worker Trips	2.23	4.39	0.18	0.15	0.33	3,543.31
Time Slice 9/7/2010-12/31/2010 Number Active Days: 84	<u>114.07</u>	35.69	0.31	1.63	1.93	7,926.94
Building 07/05/2010-12/31/2014	5.86	35.52	0.30	1.62	1.92	7,793.82
Building Off Road Diesel	1.77	9.46	0.00	0.59	0.59	941.22
Building Vendor Trips	1.86	21.67	0.12	0.88	0.99	3,309.29
Building Worker Trips	2.23	4.39	0.18	0.15	0.33	3,543.31
Coating 09/07/2010-12/05/2014	108.20	0.17	0.01	0.01	0.01	133.13
Architectural Coating	108.12	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.08	0.17	0.01	0.01	0.01	133.13

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Time Slice 1/3/2011-12/30/2011 Number Active Days: 260	<u>113.61</u>	<u>32.95</u>	<u>0.31</u>	<u>1.52</u>	<u>1.82</u>	<u>7,924.61</u>
Building 07/05/2010-12/31/2014	5.41	32.80	0.30	1.51	1.81	7,791.57
Building Off Road Diesel	1.64	8.92	0.00	0.57	0.57	941.22
Building Vendor Trips	1.74	19.84	0.12	0.79	0.91	3,309.38
Building Worker Trips	2.04	4.04	0.18	0.15	0.33	3,540.97
Coating 09/07/2010-12/05/2014	108.20	0.15	0.01	0.01	0.01	133.04
Architectural Coating	108.12	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.08	0.15	0.01	0.01	0.01	133.04
Time Slice 1/2/2012-12/31/2012 Number Active Days: 261	<u>113.17</u>	<u>30.21</u>	<u>0.31</u>	<u>1.39</u>	<u>1.69</u>	<u>7,922.70</u>
Building 07/05/2010-12/31/2014	4.98	30.07	0.30	1.38	1.68	7,789.73
Building Off Road Diesel	1.52	8.41	0.00	0.52	0.52	941.22
Building Vendor Trips	1.60	17.96	0.12	0.71	0.83	3,309.45
Building Worker Trips	1.85	3.71	0.18	0.15	0.33	3,539.06
Coating 09/07/2010-12/05/2014	108.19	0.14	0.01	0.01	0.01	132.97
Architectural Coating	108.12	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.07	0.14	0.01	0.01	0.01	132.97

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Time Slice 1/1/2013-12/31/2013 Number Active Days: 261	<u>112.73</u>	<u>27.46</u>	<u>0.31</u>	<u>1.25</u>	<u>1.56</u>	<u>7,921.13</u>
Building 07/05/2010-12/31/2014	4.55	27.33	0.30	1.24	1.54	7,788.22
Building Off Road Diesel	1.40	7.87	0.00	0.46	0.46	941.22
Building Vendor Trips	1.47	16.06	0.12	0.63	0.75	3,309.52
Building Worker Trips	1.68	3.40	0.18	0.15	0.33	3,537.49
Coating 09/07/2010-12/05/2014	108.18	0.13	0.01	0.01	0.01	132.91
Architectural Coating	108.12	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.06	0.13	0.01	0.01	0.01	132.91
Time Slice 1/1/2014-12/5/2014 Number Active Days: 243	<u>112.32</u>	<u>24.79</u>	<u>0.31</u>	<u>1.11</u>	<u>1.42</u>	<u>7,919.85</u>
Building 07/05/2010-12/31/2014	4.14	24.68	0.30	1.11	1.41	7,786.99
Building Off Road Diesel	1.29	7.31	0.00	0.41	0.41	941.22
Building Vendor Trips	1.33	14.26	0.12	0.56	0.67	3,309.57
Building Worker Trips	1.52	3.10	0.18	0.15	0.33	3,536.20
Coating 09/07/2010-12/05/2014	108.18	0.12	0.01	0.01	0.01	132.86
Architectural Coating	108.12	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.06	0.12	0.01	0.01	0.01	132.86
Time Slice 12/8/2014-12/31/2014 Number Active Days: 18	4.14	24.68	0.30	1.11	1.41	7,786.99
Building 07/05/2010-12/31/2014	4.14	24.68	0.30	1.11	1.41	7,786.99
Building Off Road Diesel	1.29	7.31	0.00	0.41	0.41	941.22
Building Vendor Trips	1.33	14.26	0.12	0.56	0.67	3,309.57
Building Worker Trips	1.52	3.10	0.18	0.15	0.33	3,536.20

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Phase Assumptions

Phase: Demolition 1/4/2010 - 1/8/2010 - Demo of existing buildings

Building Volume Total (cubic feet): 0

Building Volume Daily (cubic feet): 0

On Road Truck Travel (VMT): 0

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 3/29/2010 - 4/30/2010 - Fine Site Grading

Total Acres Disturbed: 257

Maximum Daily Acreage Disturbed: 64.25

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 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: Mass Grading 1/11/2010 - 3/26/2010 - Grade site

Total Acres Disturbed: 257

Maximum Daily Acreage Disturbed: 64.25

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

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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 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 6/1/2010 - 6/30/2010 - Trenching

Off-Road Equipment:

- 2 Excavators (168 hp) operating at a 0.57 load factor for 8 hours per day
- 1 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 0 hours per day

Phase: Paving 5/3/2010 - 5/28/2010 - Asphalt

Acres to be Paved: 64.25

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

Phase: Building Construction 7/5/2010 - 12/31/2014 - Building Construction

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 5 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 3 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 3 hours per day
- 1 Welders (45 hp) operating at a 0.45 load factor for 2 hours per day

Phase: Architectural Coating 9/7/2010 - 12/5/2014 - Architectural Coating

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Rule: Residential Interior Coatings begins 1/1/2005 ends 12/31/2040 specifies a VOC of 100

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

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 9.2.0

Combined Summer Emissions Reports (Pounds/Day)

File Name: I:\Projects\ENV Projects\500 Series\ENV-515 (Salinas Ag-Ind Business Park EIR)\Technical Reports and Plans\Project Specific Techni
Reports\Air Quality - URBEMIS\ENV-515 Urbemis February 2009.urb9

Project Name: Salinas Ag Project 2nd Run Feb 2009

Project Location: Monterey County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>
2010 TOTALS (lbs/day unmitigated)	114.07	95.86	76.61	0.06	1,285.01	4.68	1,289.69	268.36
2011 TOTALS (lbs/day unmitigated)	113.61	32.95	71.29	0.06	0.31	1.52	1.82	0.11
2012 TOTALS (lbs/day unmitigated)	113.17	30.21	66.17	0.06	0.31	1.39	1.69	0.11
2013 TOTALS (lbs/day unmitigated)	112.73	27.46	61.20	0.06	0.31	1.25	1.56	0.11
2014 TOTALS (lbs/day unmitigated)	112.32	24.79	56.45	0.06	0.31	1.11	1.42	0.11

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	32.94	0.83	2.23	0.00	0.01	0.01	969.25

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	640.16	5,765.10	5,984.05	16.65	1,942.08	522.37	1,812,039.59

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	673.10	5,765.93	5,986.28	16.65	1,942.09	522.38	1,813,008.84

<u>PM2.5</u> <u>Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
4.30	272.66	9,106.62
1.38	1.49	7,924.61
1.26	1.37	7,922.70
1.13	1.24	7,921.13
1.01	1.12	7,919.85

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.06	0.81	0.68	0.00	0.00	0.00	966.44
Hearth - No Summer Emissions							
Landscape	0.12	0.02	1.55	0.00	0.01	0.01	2.81
Consumer Products	0.00						
Architectural Coatings	32.76						
TOTALS (lbs/day, unmitigated)	32.94	0.83	2.23	0.00	0.01	0.01	969.25

Area Source Changes to Defaults

Percentage of residences with wood stoves changed from 35% to 0%

Percentage of residences with wood fireplaces changed from 10% to 0%

Percentage of residences with natural gas fireplaces changed from 55% to 0%

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Industrial park	640.16	5,765.10	5,984.05	16.65	1,942.08	522.37	1,812,039.59
TOTALS (lbs/day, unmitigated)	640.16	5,765.10	5,984.05	16.65	1,942.08	522.37	1,812,039.59

Operational Settings:

Does not include correction for passby trips

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Does not include double counting adjustment for internal trips

Analysis Year: 2015 Temperature (F): 70 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acres	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Industrial park		63.11	acres	257.00	16,219.27	998,636.68
					16,219.27	998,636.68

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	64.0	0.2	99.6	0.2
Light Truck < 3750 lbs	0.0	3.7	90.8	5.5
Light Truck 3751-5750 lbs	0.0	0.9	98.6	0.5
Med Truck 5751-8500 lbs	0.0	1.1	98.9	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.0	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	0.0	0.0	50.0	50.0
Med-Heavy Truck 14,001-33,000 lbs	14.4	0.0	23.1	76.9
Heavy-Heavy Truck 33,001-60,000 lbs	21.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	100.0
Motorcycle	0.0	77.1	22.9	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	10.0	80.0	10.0

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.8	8.3	7.1	11.8	152.0	152.0
Rural Trip Length (miles)	11.8	8.3	7.1	11.8	4.4	4.4
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Industrial park				64.5	17.8	17.8

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Urbemis 2007 Version 9.2.0

Combined Winter Emissions Reports (Pounds/Day)

File Name: I:\Projects\ENV Projects\500 Series\ENV-515 (Salinas Ag-Ind Business Park EIR)\Technical Reports and Plans\Project Specific Techni
Reports\Air Quality - URBEMIS\ENV-515 Urbemis February 2009.urb9

Project Name: Salinas Ag Project 2nd Run Feb 2009

Project Location: Monterey County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>
2010 TOTALS (lbs/day unmitigated)	114.07	95.86	76.61	0.06	1,285.01	4.68	1,289.69	268.36
2011 TOTALS (lbs/day unmitigated)	113.61	32.95	71.29	0.06	0.31	1.52	1.82	0.11
2012 TOTALS (lbs/day unmitigated)	113.17	30.21	66.17	0.06	0.31	1.39	1.69	0.11
2013 TOTALS (lbs/day unmitigated)	112.73	27.46	61.20	0.06	0.31	1.25	1.56	0.11
2014 TOTALS (lbs/day unmitigated)	112.32	24.79	56.45	0.06	0.31	1.11	1.42	0.11

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	32.82	0.81	0.68	0.00	0.00	0.00	966.44

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	715.61	6,261.11	6,034.23	16.66	1,942.08	522.37	1,803,908.22

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	748.43	6,261.92	6,034.91	16.66	1,942.08	522.37	1,804,874.66

<u>PM2.5</u> <u>Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
4.30	272.66	9,106.62
1.38	1.49	7,924.61
1.26	1.37	7,922.70
1.13	1.24	7,921.13
1.01	1.12	7,919.85

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.06	0.81	0.68	0.00	0.00	0.00	966.44
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	32.76						
TOTALS (lbs/day, unmitigated)	32.82	0.81	0.68	0.00	0.00	0.00	966.44

Area Source Changes to Defaults

- Percentage of residences with wood stoves changed from 35% to 0%
- Percentage of residences with wood fireplaces changed from 10% to 0%
- Percentage of residences with natural gas fireplaces changed from 55% to 0%

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
Industrial park	715.61	6,261.11	6,034.23	16.66	1,942.08	522.37	1,803,908.22
TOTALS (lbs/day, unmitigated)	715.61	6,261.11	6,034.23	16.66	1,942.08	522.37	1,803,908.22

Operational Settings:

Does not include correction for passby trips

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Does not include double counting adjustment for internal trips

Analysis Year: 2015 Temperature (F): 50 Season: Winter

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
Industrial park		63.11	acres	257.00	16,219.27	998,636.68
					16,219.27	998,636.68

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	64.0	0.2	99.6	0.2
Light Truck < 3750 lbs	0.0	3.7	90.8	5.5
Light Truck 3751-5750 lbs	0.0	0.9	98.6	0.5
Med Truck 5751-8500 lbs	0.0	1.1	98.9	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.0	0.0	75.0	25.0
Lite-Heavy Truck 10,001-14,000 lbs	0.0	0.0	50.0	50.0
Med-Heavy Truck 14,001-33,000 lbs	14.4	0.0	23.1	76.9
Heavy-Heavy Truck 33,001-60,000 lbs	21.6	0.0	0.0	100.0
Other Bus	0.0	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	100.0
Motorcycle	0.0	77.1	22.9	0.0
School Bus	0.0	0.0	0.0	100.0
Motor Home	0.0	10.0	80.0	10.0

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Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	11.8	8.3	7.1	11.8	152.0	152.0
Rural Trip Length (miles)	11.8	8.3	7.1	11.8	4.4	4.4
Trip speeds (mph)	30.0	30.0	30.0	30.0	30.0	30.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
Industrial park				64.5	17.8	17.8

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