

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

File Name:

Project Name: Ind Spr

Project Location: California State-wide

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, Unmitigated)

	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exhaust	PM10 Total	PM2.5 Dust	PM2.5 Exhaust	PM2.5 Total	CO2
2010	0.07	0.57	0.31	0.00	0.08	0.03	0.11	0.02	0.03	0.05	54.05
Fine Grading 04/15/2010-05/31/2010	0.05	0.41	0.22	0.00	0.08	0.02	0.10	0.02	0.02	0.04	38.77
Fine Grading Dust	0.00	0.00	0.00	0.00	0.08	0.00	0.08	0.02	0.00	0.02	0.00
Fine Grading Off Road Diesel	0.05	0.41	0.21	0.00	0.00	0.02	0.02	0.00	0.02	0.02	37.08
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	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69
Building 05/15/2010-06/30/2010	0.02	0.15	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	15.28
Building Off Road Diesel	0.02	0.15	0.08	0.00	0.00	0.01	0.01	0.00	0.01	0.01	14.74
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
Building Worker Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43

Phase Assumptions

Phase: Fine Grading 4/15/2010 - 5/31/2010 - Default Fine Site Grading Description

Total Acres Disturbed: 1

Maximum Daily Acreage Disturbed: 0.25

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

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- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day
- 1 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: Building Construction 5/15/2010 - 6/30/2010 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

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Urbemis 2007 Version 9.2.4

Detail Report for Summer Construction Unmitigated Emissions (Pounds/Day)

File Name:

Project Name: Ind Spr

Project Location: California State-wide

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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## CONSTRUCTION EMISSION ESTIMATES (Summer Pounds Per Day, Unmitigated)

	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10 Total</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5 Total</u>	<u>CO2</u>
Time Slice 4/15/2010-5/14/2010 Active Days: 22	3.04	25.05	13.56	0.00	5.00	1.25	6.26	1.05	1.15	2.20	2,349.48
Fine Grading 04/15/2010- 05/31/2010	3.04	25.05	13.56	0.00	5.00	1.25	6.26	1.05	1.15	2.20	2,349.48
Fine Grading Dust	0.00	0.00	0.00	0.00	5.00	0.00	5.00	1.04	0.00	1.04	0.00
Fine Grading Off Road Diesel	3.00	24.99	12.46	0.00	0.00	1.25	1.25	0.00	1.15	1.15	2,247.32
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	0.04	0.06	1.10	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.16
Time Slice 5/17/2010-5/31/2010 Active Days: 11	<b>4.26</b>	<b>34.26</b>	<b>18.68</b>	<b>0.00</b>	<b>5.01</b>	<b>1.83</b>	<b>6.84</b>	<b>1.05</b>	<b>1.68</b>	<b>2.73</b>	<b>3,275.47</b>
Building 05/15/2010-06/30/2010	1.22	9.21	5.12	0.00	0.00	0.58	0.58	0.00	0.53	0.53	926.00
Building Off Road Diesel	1.21	9.16	4.81	0.00	0.00	0.58	0.58	0.00	0.53	0.53	893.39
Building Vendor Trips	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.46
Building Worker Trips	0.01	0.02	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.15
Fine Grading 04/15/2010- 05/31/2010	3.04	25.05	13.56	0.00	5.00	1.25	6.26	1.05	1.15	2.20	2,349.48
Fine Grading Dust	0.00	0.00	0.00	0.00	5.00	0.00	5.00	1.04	0.00	1.04	0.00
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Fine Grading Worker Trips	0.04	0.06	1.10	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.16
Time Slice 6/1/2010-6/30/2010 Active Days: 22	1.22	9.21	5.12	0.00	0.00	0.58	0.58	0.00	0.53	0.53	926.00
Building 05/15/2010-06/30/2010	1.22	9.21	5.12	0.00	0.00	0.58	0.58	0.00	0.53	0.53	926.00
Building Off Road Diesel	1.21	9.16	4.81	0.00	0.00	0.58	0.58	0.00	0.53	0.53	893.39
Building Vendor Trips	0.00	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.46
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Phase Assumptions

Phase: Fine Grading 4/15/2010 - 5/31/2010 - Default Fine Site Grading Description

Total Acres Disturbed: 1

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Maximum Daily Acreage Disturbed: 0.25

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 0

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 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: Building Construction 5/15/2010 - 6/30/2010 - Default Building Construction Description

Off-Road Equipment:

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

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

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

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Urbemis 2007 Version 9.2.4

Detail Report for Winter Construction Unmitigated Emissions (Pounds/Day)

File Name:

Project Name: Ind Spr

Project Location: California State-wide

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES (Winter Pounds Per Day, Unmitigated)

	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10 Total</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5 Total</u>	<u>CO2</u>
Time Slice 4/15/2010-5/14/2010 Active Days: 22	3.04	25.05	13.56	0.00	5.00	1.25	6.26	1.05	1.15	2.20	2,349.48
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Fine Grading Worker Trips	0.04	0.06	1.10	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.16
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