

4/15/2008 09:34:48 AM

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada North Commercial 2015-2020.urb924

Project Name: Entrada North Commercial 2015-2020

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2015 TOTALS (lbs/day unmitigated)	8.77	29.47	41.75	0.04	0.19	2.09	2.28	0.07	1.91	1.98	7,310.23
2016 TOTALS (lbs/day unmitigated)	8.49	14.13	28.58	0.04	0.17	0.85	1.02	0.06	0.77	0.84	5,513.88
2017 TOTALS (lbs/day unmitigated)	8.23	13.05	27.09	0.04	0.17	0.77	0.94	0.06	0.70	0.76	5,513.65
2018 TOTALS (lbs/day unmitigated)	7.98	12.05	25.68	0.04	0.17	0.68	0.86	0.06	0.62	0.68	5,513.51
2019 TOTALS (lbs/day unmitigated)	7.78	11.13	24.42	0.04	0.17	0.60	0.78	0.06	0.55	0.61	5,513.41
2020 TOTALS (lbs/day unmitigated)	7.57	10.35	23.23	0.04	0.17	0.54	0.72	0.06	0.49	0.55	5,513.35

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 4.46

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

Phase: Building Construction 1/1/2015 - 8/31/2020 - Default Building Construction Description

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 (49 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 5/1/2015 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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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Combined Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada North Commercial 2015-2020.urb924

Project Name: Entrada North Commercial 2015-2020

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2015 TOTALS (lbs/day unmitigated)	8.77	29.47	41.75	0.04	0.19	2.09	2.28	0.07	1.91	1.98	7,310.23
2016 TOTALS (lbs/day unmitigated)	8.49	14.13	28.58	0.04	0.17	0.85	1.02	0.06	0.77	0.84	5,513.88
2017 TOTALS (lbs/day unmitigated)	8.23	13.05	27.09	0.04	0.17	0.77	0.94	0.06	0.70	0.76	5,513.65
2018 TOTALS (lbs/day unmitigated)	7.98	12.05	25.68	0.04	0.17	0.68	0.86	0.06	0.62	0.68	5,513.51
2019 TOTALS (lbs/day unmitigated)	7.78	11.13	24.42	0.04	0.17	0.60	0.78	0.06	0.55	0.61	5,513.41
2020 TOTALS (lbs/day unmitigated)	7.57	10.35	23.23	0.04	0.17	0.54	0.72	0.06	0.49	0.55	5,513.35

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 4.46

Off-Road Equipment:

- 4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day
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- 1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 1/1/2015 - 8/31/2020 - Default Building Construction Description

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 (49 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 5/1/2015 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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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Combined Annual Emissions Reports (Tons/Year)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada North Commercial 2015-2020.urb924

Project Name: Entrada North Commercial 2015-2020

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2015 TOTALS (tons/year unmitigated)	0.98	2.45	4.31	0.01	0.02	0.16	0.18	0.01	0.15	0.15	776.99
2016 TOTALS (tons/year unmitigated)	1.11	1.84	3.73	0.01	0.02	0.11	0.13	0.01	0.10	0.11	719.56
2017 TOTALS (tons/year unmitigated)	1.07	1.70	3.52	0.01	0.02	0.10	0.12	0.01	0.09	0.10	716.78
2018 TOTALS (tons/year unmitigated)	1.04	1.57	3.35	0.01	0.02	0.09	0.11	0.01	0.08	0.09	719.51
2019 TOTALS (tons/year unmitigated)	1.02	1.45	3.19	0.01	0.02	0.08	0.10	0.01	0.07	0.08	719.50
2020 TOTALS (tons/year unmitigated)	0.91	0.90	2.02	0.00	0.02	0.05	0.06	0.01	0.04	0.05	480.02

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 4.46

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

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

Phase: Building Construction 1/1/2015 - 8/31/2020 - Default Building Construction Description

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 (49 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 5/1/2015 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Entrada
Terrazo (2013-2015)

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Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada Terrazo 2013-2015.urb924

Project Name: Entrada Terrazo 2013-2015

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2013 TOTALS (lbs/day unmitigated)	27.65	74.16	166.43	0.26	1.10	4.46	5.56	0.39	4.06	4.45	29,031.33
2014 TOTALS (lbs/day unmitigated)	26.86	45.34	142.96	0.24	1.05	2.50	3.55	0.37	2.25	2.63	26,130.33
2015 TOTALS (lbs/day unmitigated)	26.14	40.66	133.54	0.24	1.05	2.31	3.36	0.37	2.08	2.45	26,129.09

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2013-3/29/2013 Active Days: 64	14.77	74.16	166.43	0.26	1.10	4.46	5.56	0.39	4.06	4.45	29,031.33
Asphalt 01/01/2013-03/29/2013	5.79	23.94	14.08	0.01	0.05	1.72	1.78	0.02	1.59	1.60	3,002.25
Paving Off-Gas	2.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.69	16.46	10.15	0.00	0.00	1.43	1.43	0.00	1.32	1.32	1,418.81
Paving On Road Diesel	0.61	7.42	2.88	0.01	0.05	0.29	0.33	0.02	0.26	0.28	1,428.02
Paving Worker Trips	0.03	0.06	1.05	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.41
Building 01/01/2013-12/31/2015	8.97	50.22	152.35	0.24	1.05	2.74	3.78	0.37	2.48	2.85	26,029.08
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.30	24.57	21.05	0.06	0.22	1.00	1.22	0.08	0.91	0.99	6,382.47
Building Worker Trips	3.49	6.61	117.96	0.18	0.82	0.48	1.30	0.30	0.40	0.70	17,387.33
Time Slice 4/1/2013-4/30/2013 Active Days: 22	8.97	50.22	152.35	0.24	1.05	2.74	3.78	0.37	2.48	2.85	26,029.08
Building 01/01/2013-12/31/2015	8.97	50.22	152.35	0.24	1.05	2.74	3.78	0.37	2.48	2.85	26,029.08
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.30	24.57	21.05	0.06	0.22	1.00	1.22	0.08	0.91	0.99	6,382.47
Building Worker Trips	3.49	6.61	117.96	0.18	0.82	0.48	1.30	0.30	0.40	0.70	17,387.33
Time Slice 5/1/2013-12/31/2013 Active Days: 175	27.65	50.26	153.04	0.24	1.05	2.74	3.79	0.37	2.48	2.85	26,131.89
Building 01/01/2013-12/31/2015	8.97	50.22	152.35	0.24	1.05	2.74	3.78	0.37	2.48	2.85	26,029.08
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.30	24.57	21.05	0.06	0.22	1.00	1.22	0.08	0.91	0.99	6,382.47
Building Worker Trips	3.49	6.61	117.96	0.18	0.82	0.48	1.30	0.30	0.40	0.70	17,387.33
Coating 05/01/2013-12/31/2015	18.67	0.04	0.70	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.81
Architectural Coating	18.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.70	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.81

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Time Slice 1/1/2014-12/31/2014 Active Days: 261	<u>26.86</u>	<u>45.34</u>	<u>142.96</u>	<u>0.24</u>	<u>1.05</u>	<u>2.50</u>	<u>3.55</u>	<u>0.37</u>	<u>2.25</u>	<u>2.63</u>	<u>26,130.33</u>
Building 01/01/2013-12/31/2015	8.19	45.31	142.32	0.24	1.05	2.50	3.54	0.37	2.25	2.62	26,027.53
Building Off Road Diesel	2.93	17.65	13.06	0.00	0.00	1.11	1.11	0.00	1.02	1.02	2,259.28
Building Vendor Trips	2.08	21.57	19.37	0.06	0.22	0.87	1.10	0.08	0.80	0.87	6,382.65
Building Worker Trips	3.18	6.08	109.88	0.18	0.82	0.52	1.34	0.30	0.44	0.73	17,385.61
Coating 05/01/2013-12/31/2015	18.67	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.80
Architectural Coating	18.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.80
Time Slice 1/1/2015-12/31/2015 Active Days: 261	<u>26.14</u>	<u>40.66</u>	<u>133.54</u>	<u>0.24</u>	<u>1.05</u>	<u>2.31</u>	<u>3.36</u>	<u>0.37</u>	<u>2.08</u>	<u>2.45</u>	<u>26,129.09</u>
Building 01/01/2013-12/31/2015	7.47	40.63	132.94	0.24	1.05	2.30	3.35	0.37	2.07	2.45	26,026.30
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	1.88	18.88	17.82	0.06	0.22	0.76	0.98	0.08	0.69	0.77	6,382.89
Building Worker Trips	2.90	5.58	102.31	0.18	0.82	0.52	1.34	0.30	0.44	0.73	17,384.12
Coating 05/01/2013-12/31/2015	18.67	0.03	0.60	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.79
Architectural Coating	18.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.60	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.79

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Phase Assumptions

Phase: Paving 1/1/2013 - 3/29/2013 - Default Paving Description

Acres to be Paved: 60.07

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 1/1/2013 - 12/31/2015 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 5/1/2013 - 12/31/2015 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada Terrazo 2013-2015.urb924

Project Name: Entrada Terrazo 2013-2015

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2013 TOTALS (lbs/day unmitigated)	27.65	74.16	166.43	0.26	1.10	4.46	5.56	0.39	4.06	4.45	29,031.33
2014 TOTALS (lbs/day unmitigated)	26.86	45.34	142.96	0.24	1.05	2.50	3.55	0.37	2.25	2.63	26,130.33
2015 TOTALS (lbs/day unmitigated)	26.14	40.66	133.54	0.24	1.05	2.31	3.36	0.37	2.08	2.45	26,129.09

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2013-3/29/2013 Active Days: 64	14.77	74.16	166.43	0.26	1.10	4.46	5.56	0.39	4.06	4.45	29,031.33
Asphalt 01/01/2013-03/29/2013	5.79	23.94	14.08	0.01	0.05	1.72	1.78	0.02	1.59	1.60	3,002.25
Paving Off-Gas	2.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.69	16.46	10.15	0.00	0.00	1.43	1.43	0.00	1.32	1.32	1,418.81
Paving On Road Diesel	0.61	7.42	2.88	0.01	0.05	0.29	0.33	0.02	0.26	0.28	1,428.02
Paving Worker Trips	0.03	0.06	1.05	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.41
Building 01/01/2013-12/31/2015	8.97	50.22	152.35	0.24	1.05	2.74	3.78	0.37	2.48	2.85	26,029.08
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.30	24.57	21.05	0.06	0.22	1.00	1.22	0.08	0.91	0.99	6,382.47
Building Worker Trips	3.49	6.61	117.96	0.18	0.82	0.48	1.30	0.30	0.40	0.70	17,387.33
Time Slice 4/1/2013-4/30/2013 Active Days: 22	8.97	50.22	152.35	0.24	1.05	2.74	3.78	0.37	2.48	2.85	26,029.08
Building 01/01/2013-12/31/2015	8.97	50.22	152.35	0.24	1.05	2.74	3.78	0.37	2.48	2.85	26,029.08
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.30	24.57	21.05	0.06	0.22	1.00	1.22	0.08	0.91	0.99	6,382.47
Building Worker Trips	3.49	6.61	117.96	0.18	0.82	0.48	1.30	0.30	0.40	0.70	17,387.33
Time Slice 5/1/2013-12/31/2013 Active Days: 175	27.65	50.26	153.04	0.24	1.05	2.74	3.79	0.37	2.48	2.85	26,131.89
Building 01/01/2013-12/31/2015	8.97	50.22	152.35	0.24	1.05	2.74	3.78	0.37	2.48	2.85	26,029.08
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.30	24.57	21.05	0.06	0.22	1.00	1.22	0.08	0.91	0.99	6,382.47
Building Worker Trips	3.49	6.61	117.96	0.18	0.82	0.48	1.30	0.30	0.40	0.70	17,387.33
Coating 05/01/2013-12/31/2015	18.67	0.04	0.70	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.81
Architectural Coating	18.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.70	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.81

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Time Slice 1/1/2014-12/31/2014 Active Days: 261	<u>26.86</u>	<u>45.34</u>	<u>142.96</u>	<u>0.24</u>	<u>1.05</u>	<u>2.50</u>	<u>3.55</u>	<u>0.37</u>	<u>2.25</u>	<u>2.63</u>	<u>26,130.33</u>
Building 01/01/2013-12/31/2015	8.19	45.31	142.32	0.24	1.05	2.50	3.54	0.37	2.25	2.62	26,027.53
Building Off Road Diesel	2.93	17.65	13.06	0.00	0.00	1.11	1.11	0.00	1.02	1.02	2,259.28
Building Vendor Trips	2.08	21.57	19.37	0.06	0.22	0.87	1.10	0.08	0.80	0.87	6,382.65
Building Worker Trips	3.18	6.08	109.88	0.18	0.82	0.52	1.34	0.30	0.44	0.73	17,385.61
Coating 05/01/2013-12/31/2015	18.67	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.80
Architectural Coating	18.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.65	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.80
Time Slice 1/1/2015-12/31/2015 Active Days: 261	<u>26.14</u>	<u>40.66</u>	<u>133.54</u>	<u>0.24</u>	<u>1.05</u>	<u>2.31</u>	<u>3.36</u>	<u>0.37</u>	<u>2.08</u>	<u>2.45</u>	<u>26,129.09</u>
Building 01/01/2013-12/31/2015	7.47	40.63	132.94	0.24	1.05	2.30	3.35	0.37	2.07	2.45	26,026.30
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	1.88	18.88	17.82	0.06	0.22	0.76	0.98	0.08	0.69	0.77	6,382.89
Building Worker Trips	2.90	5.58	102.31	0.18	0.82	0.52	1.34	0.30	0.44	0.73	17,384.12
Coating 05/01/2013-12/31/2015	18.67	0.03	0.60	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.79
Architectural Coating	18.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.03	0.60	0.00	0.00	0.00	0.01	0.00	0.00	0.00	102.79

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Phase Assumptions

Phase: Paving 1/1/2013 - 3/29/2013 - Default Paving Description

Acres to be Paved: 60.07

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 1/1/2013 - 12/31/2015 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 5/1/2013 - 12/31/2015 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada Terrazo 2013-2015.urb924

Project Name: Entrada Terrazo 2013-2015

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2013 TOTALS (tons/year unmitigated)	2.99	7.32	20.39	0.03	0.14	0.41	0.55	0.05	0.37	0.42	3,501.86
2014 TOTALS (tons/year unmitigated)	3.51	5.92	18.66	0.03	0.14	0.33	0.46	0.05	0.29	0.34	3,410.01
2015 TOTALS (tons/year unmitigated)	3.41	5.31	17.43	0.03	0.14	0.30	0.44	0.05	0.27	0.32	3,409.85

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2013 - 3/29/2013 - Default Paving Description

Acres to be Paved: 60.07

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 1/1/2013 - 12/31/2015 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 5/1/2013 - 12/31/2015 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Entrada
Terrazo (2016-2020)

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada Terrazo 2016-2020.urb924

Project Name: Entrada Terrazo 2016-2020

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2016 TOTALS (lbs/day unmitigated)	7.87	29.82	48.20	0.07	0.30	1.94	2.24	0.11	1.77	1.88	9,700.88
2017 TOTALS (lbs/day unmitigated)	5.42	16.79	36.56	0.07	0.28	0.94	1.22	0.10	0.85	0.95	8,145.72
2018 TOTALS (lbs/day unmitigated)	5.13	15.41	34.52	0.07	0.28	0.84	1.12	0.10	0.76	0.86	8,145.55
2019 TOTALS (lbs/day unmitigated)	4.89	14.17	32.66	0.07	0.28	0.75	1.03	0.10	0.68	0.78	8,145.46
2020 TOTALS (lbs/day unmitigated)	4.64	13.12	30.93	0.07	0.28	0.68	0.96	0.10	0.61	0.71	8,145.41

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2016 - 3/31/2016 - Default Paving Description

Acres to be Paved: 7.45

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 1/1/2016 - 8/31/2020 - Default Building Construction Description

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 (49 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 1/1/2016 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada Terrazo 2016-2020.urb924

Project Name: Entrada Terrazo 2016-2020

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2016 TOTALS (lbs/day unmitigated)	7.87	29.82	48.20	0.07	0.30	1.94	2.24	0.11	1.77	1.88	9,700.88
2017 TOTALS (lbs/day unmitigated)	5.42	16.79	36.56	0.07	0.28	0.94	1.22	0.10	0.85	0.95	8,145.72
2018 TOTALS (lbs/day unmitigated)	5.13	15.41	34.52	0.07	0.28	0.84	1.12	0.10	0.76	0.86	8,145.55
2019 TOTALS (lbs/day unmitigated)	4.89	14.17	32.66	0.07	0.28	0.75	1.03	0.10	0.68	0.78	8,145.46
2020 TOTALS (lbs/day unmitigated)	4.64	13.12	30.93	0.07	0.28	0.68	0.96	0.10	0.61	0.71	8,145.41

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2016 - 3/31/2016 - Default Paving Description

Acres to be Paved: 7.45

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 1/1/2016 - 8/31/2020 - Default Building Construction Description

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 (49 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 1/1/2016 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Entrada (5)\Entrada Terrazo 2016-2020.urb924

Project Name: Entrada Terrazo 2016-2020

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2016 TOTALS (tons/year unmitigated)	0.82	2.76	5.36	0.01	0.04	0.16	0.20	0.01	0.15	0.16	1,113.59
2017 TOTALS (tons/year unmitigated)	0.70	2.18	4.75	0.01	0.04	0.12	0.16	0.01	0.11	0.12	1,058.94
2018 TOTALS (tons/year unmitigated)	0.67	2.01	4.50	0.01	0.04	0.11	0.15	0.01	0.10	0.11	1,062.99
2019 TOTALS (tons/year unmitigated)	0.64	1.85	4.26	0.01	0.04	0.10	0.13	0.01	0.09	0.10	1,062.98
2020 TOTALS (tons/year unmitigated)	0.50	1.14	2.69	0.01	0.02	0.06	0.08	0.01	0.05	0.06	709.22

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2016 - 3/31/2016 - Default Paving Description

Acres to be Paved: 7.45

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 1/1/2016 - 8/31/2020 - Default Building Construction Description

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 (49 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 1/1/2016 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Valencia Commerce Center

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\VCC (2)\Valencia Commerce Center 2012-2014.urb924

Project Name: Valencia Commerce Center 2012-2014

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2012 TOTALS (lbs/day unmitigated)	162.54	94.08	286.64	0.42	1.82	5.58	7.40	0.65	5.06	5.71	44,717.80
2013 TOTALS (lbs/day unmitigated)	161.35	61.11	254.45	0.41	1.77	3.36	5.13	0.63	3.01	3.64	41,796.56
2014 TOTALS (lbs/day unmitigated)	160.26	55.10	237.42	0.41	1.77	3.12	4.89	0.63	2.79	3.43	41,793.72

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 4/2/2012-5/31/2012 Active Days: 44	19.82	94.08	286.64	0.42	1.82	5.58	7.40	0.65	5.06	5.71	44,717.80
Asphalt 04/02/2012-05/31/2012	6.32	26.59	14.92	0.02	0.06	1.90	1.96	0.02	1.75	1.77	3,134.07
Paving Off-Gas	2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.86	17.34	10.24	0.00	0.00	1.53	1.53	0.00	1.41	1.41	1,418.81
Paving On Road Diesel	0.74	9.19	3.55	0.01	0.05	0.36	0.41	0.02	0.33	0.35	1,559.83
Paving Worker Trips	0.03	0.06	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.43
Building 04/02/2012-05/30/2014	13.50	67.49	271.72	0.41	1.76	3.68	5.44	0.63	3.31	3.94	41,583.73
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.13	34.03	29.84	0.08	0.28	1.40	1.69	0.10	1.28	1.38	8,051.30
Building Worker Trips	6.89	13.03	228.26	0.33	1.48	0.85	2.33	0.53	0.72	1.25	31,273.15
Time Slice 6/1/2012-7/31/2012 Active Days: 43	13.50	67.49	271.72	0.41	1.76	3.68	5.44	0.63	3.31	3.94	41,583.73
Building 04/02/2012-05/30/2014	13.50	67.49	271.72	0.41	1.76	3.68	5.44	0.63	3.31	3.94	41,583.73
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.13	34.03	29.84	0.08	0.28	1.40	1.69	0.10	1.28	1.38	8,051.30
Building Worker Trips	6.89	13.03	228.26	0.33	1.48	0.85	2.33	0.53	0.72	1.25	31,273.15
Time Slice 8/1/2012-12/31/2012 Active Days: 109	162.54	67.58	273.29	0.41	1.77	3.68	5.46	0.63	3.32	3.95	41,799.94
Building 04/02/2012-05/30/2014	13.50	67.49	271.72	0.41	1.76	3.68	5.44	0.63	3.31	3.94	41,583.73
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.13	34.03	29.84	0.08	0.28	1.40	1.69	0.10	1.28	1.38	8,051.30
Building Worker Trips	6.89	13.03	228.26	0.33	1.48	0.85	2.33	0.53	0.72	1.25	31,273.15
Coating 08/01/2012-09/30/2014	149.04	0.09	1.58	0.00	0.01	0.01	0.02	0.00	0.00	0.01	216.21
Architectural Coating	148.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.05	0.09	1.58	0.00	0.01	0.01	0.02	0.00	0.00	0.01	216.21

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Time Slice 1/1/2013-12/31/2013 Active Days: 261	<u>161.35</u>	<u>61.11</u>	<u>254.45</u>	<u>0.41</u>	<u>1.77</u>	<u>3.36</u>	<u>5.13</u>	<u>0.63</u>	<u>3.01</u>	<u>3.64</u>	<u>41,796.56</u>
Building 04/02/2012-05/30/2014	12.31	61.03	252.99	0.41	1.76	3.35	5.12	0.63	3.01	3.64	41,580.37
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.85	30.10	27.51	0.08	0.28	1.23	1.51	0.10	1.12	1.22	8,051.67
Building Worker Trips	6.27	11.89	212.14	0.33	1.48	0.86	2.34	0.53	0.72	1.25	31,269.42
Coating 08/01/2012-09/30/2014	149.03	0.08	1.47	0.00	0.01	0.01	0.02	0.00	0.00	0.01	216.19
Architectural Coating	148.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.08	1.47	0.00	0.01	0.01	0.02	0.00	0.00	0.01	216.19
Time Slice 1/1/2014-5/30/2014 Active Days: 108	<u>160.26</u>	<u>55.10</u>	<u>237.42</u>	<u>0.41</u>	<u>1.77</u>	<u>3.12</u>	<u>4.89</u>	<u>0.63</u>	<u>2.79</u>	<u>3.43</u>	<u>41,793.72</u>
Building 04/02/2012-05/30/2014	11.23	55.02	236.05	0.41	1.76	3.11	4.88	0.63	2.79	3.42	41,577.55
Building Off Road Diesel	2.93	17.65	13.06	0.00	0.00	1.11	1.11	0.00	1.02	1.02	2,259.28
Building Vendor Trips	2.58	26.43	25.37	0.08	0.28	1.08	1.36	0.10	0.99	1.08	8,051.94
Building Worker Trips	5.72	10.94	197.62	0.33	1.48	0.93	2.41	0.53	0.78	1.32	31,266.33
Coating 08/01/2012-09/30/2014	149.03	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17
Architectural Coating	148.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17
Time Slice 6/2/2014-9/30/2014 Active Days: 87	149.03	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17
Coating 08/01/2012-09/30/2014	149.03	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17
Architectural Coating	148.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17

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Phase Assumptions

Phase: Paving 4/2/2012 - 5/31/2012 - Default Paving Description

Acres to be Paved: 45.11

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 4/2/2012 - 5/30/2014 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 8/1/2012 - 9/30/2014 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\VCC (2)\Valencia Commerce Center 2012-2014.urb924

Project Name: Valencia Commerce Center 2012-2014

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2012 TOTALS (lbs/day unmitigated)	162.54	94.08	286.64	0.42	1.82	5.58	7.40	0.65	5.06	5.71	44,717.80
2013 TOTALS (lbs/day unmitigated)	161.35	61.11	254.45	0.41	1.77	3.36	5.13	0.63	3.01	3.64	41,796.56
2014 TOTALS (lbs/day unmitigated)	160.26	55.10	237.42	0.41	1.77	3.12	4.89	0.63	2.79	3.43	41,793.72

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 4/2/2012-5/31/2012 Active Days: 44	19.82	94.08	286.64	0.42	1.82	5.58	7.40	0.65	5.06	5.71	44,717.80
Asphalt 04/02/2012-05/31/2012	6.32	26.59	14.92	0.02	0.06	1.90	1.96	0.02	1.75	1.77	3,134.07
Paving Off-Gas	2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.86	17.34	10.24	0.00	0.00	1.53	1.53	0.00	1.41	1.41	1,418.81
Paving On Road Diesel	0.74	9.19	3.55	0.01	0.05	0.36	0.41	0.02	0.33	0.35	1,559.83
Paving Worker Trips	0.03	0.06	1.13	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.43
Building 04/02/2012-05/30/2014	13.50	67.49	271.72	0.41	1.76	3.68	5.44	0.63	3.31	3.94	41,583.73
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.13	34.03	29.84	0.08	0.28	1.40	1.69	0.10	1.28	1.38	8,051.30
Building Worker Trips	6.89	13.03	228.26	0.33	1.48	0.85	2.33	0.53	0.72	1.25	31,273.15
Time Slice 6/1/2012-7/31/2012 Active Days: 43	13.50	67.49	271.72	0.41	1.76	3.68	5.44	0.63	3.31	3.94	41,583.73
Building 04/02/2012-05/30/2014	13.50	67.49	271.72	0.41	1.76	3.68	5.44	0.63	3.31	3.94	41,583.73
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.13	34.03	29.84	0.08	0.28	1.40	1.69	0.10	1.28	1.38	8,051.30
Building Worker Trips	6.89	13.03	228.26	0.33	1.48	0.85	2.33	0.53	0.72	1.25	31,273.15
Time Slice 8/1/2012-12/31/2012 Active Days: 109	162.54	67.58	273.29	0.41	1.77	3.68	5.46	0.63	3.32	3.95	41,799.94
Building 04/02/2012-05/30/2014	13.50	67.49	271.72	0.41	1.76	3.68	5.44	0.63	3.31	3.94	41,583.73
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.13	34.03	29.84	0.08	0.28	1.40	1.69	0.10	1.28	1.38	8,051.30
Building Worker Trips	6.89	13.03	228.26	0.33	1.48	0.85	2.33	0.53	0.72	1.25	31,273.15
Coating 08/01/2012-09/30/2014	149.04	0.09	1.58	0.00	0.01	0.01	0.02	0.00	0.00	0.01	216.21
Architectural Coating	148.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.05	0.09	1.58	0.00	0.01	0.01	0.02	0.00	0.00	0.01	216.21

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Time Slice 1/1/2013-12/31/2013 Active Days: 261	<u>161.35</u>	<u>61.11</u>	<u>254.45</u>	<u>0.41</u>	<u>1.77</u>	<u>3.36</u>	<u>5.13</u>	<u>0.63</u>	<u>3.01</u>	<u>3.64</u>	<u>41,796.56</u>
Building 04/02/2012-05/30/2014	12.31	61.03	252.99	0.41	1.76	3.35	5.12	0.63	3.01	3.64	41,580.37
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.85	30.10	27.51	0.08	0.28	1.23	1.51	0.10	1.12	1.22	8,051.67
Building Worker Trips	6.27	11.89	212.14	0.33	1.48	0.86	2.34	0.53	0.72	1.25	31,269.42
Coating 08/01/2012-09/30/2014	149.03	0.08	1.47	0.00	0.01	0.01	0.02	0.00	0.00	0.01	216.19
Architectural Coating	148.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.08	1.47	0.00	0.01	0.01	0.02	0.00	0.00	0.01	216.19
Time Slice 1/1/2014-5/30/2014 Active Days: 108	<u>160.26</u>	<u>55.10</u>	<u>237.42</u>	<u>0.41</u>	<u>1.77</u>	<u>3.12</u>	<u>4.89</u>	<u>0.63</u>	<u>2.79</u>	<u>3.43</u>	<u>41,793.72</u>
Building 04/02/2012-05/30/2014	11.23	55.02	236.05	0.41	1.76	3.11	4.88	0.63	2.79	3.42	41,577.55
Building Off Road Diesel	2.93	17.65	13.06	0.00	0.00	1.11	1.11	0.00	1.02	1.02	2,259.28
Building Vendor Trips	2.58	26.43	25.37	0.08	0.28	1.08	1.36	0.10	0.99	1.08	8,051.94
Building Worker Trips	5.72	10.94	197.62	0.33	1.48	0.93	2.41	0.53	0.78	1.32	31,266.33
Coating 08/01/2012-09/30/2014	149.03	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17
Architectural Coating	148.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17
Time Slice 6/2/2014-9/30/2014 Active Days: 87	149.03	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17
Coating 08/01/2012-09/30/2014	149.03	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17
Architectural Coating	148.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.04	0.08	1.37	0.00	0.01	0.01	0.02	0.00	0.01	0.01	216.17

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Phase Assumptions

Phase: Paving 4/2/2012 - 5/31/2012 - Default Paving Description

Acres to be Paved: 45.11

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 4/2/2012 - 5/30/2014 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 8/1/2012 - 9/30/2014 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\VCC (2)\Valencia Commerce Center 2012-2014.urb924

Project Name: Valencia Commerce Center 2012-2014

Project Location: South Coast AQMD

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2012 TOTALS (tons/year unmitigated)	9.58	7.20	27.04	0.04	0.17	0.40	0.58	0.06	0.36	0.43	4,155.94
2013 TOTALS (tons/year unmitigated)	21.06	7.97	33.21	0.05	0.23	0.44	0.67	0.08	0.39	0.48	5,454.45
2014 TOTALS (tons/year unmitigated)	15.14	2.98	12.88	0.02	0.10	0.17	0.26	0.03	0.15	0.19	2,266.26

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 4/2/2012 - 5/31/2012 - Default Paving Description

Acres to be Paved: 45.11

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 4/2/2012 - 5/30/2014 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 8/1/2012 - 9/30/2014 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Landmark Village

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Landmark (1)\Landmark 2010-2014.urb924

Project Name: Landmark Village Construction 2010-2014

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	50.16	117.21	314.66	0.39	1.69	6.69	8.39	0.60	6.10	6.70	42,263.84
2011 TOTALS (lbs/day unmitigated)	48.81	79.91	279.63	0.38	1.64	4.24	5.88	0.59	3.84	4.42	39,355.04
2012 TOTALS (lbs/day unmitigated)	47.51	72.74	261.01	0.38	1.64	3.87	5.52	0.59	3.50	4.09	39,350.06
2013 TOTALS (lbs/day unmitigated)	46.32	65.81	243.35	0.38	1.64	3.52	5.16	0.59	3.17	3.76	39,346.64
2014 TOTALS (lbs/day unmitigated)	33.75	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.49

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2010-3/31/2010 Active Days: 64	22.96	117.21	314.66	0.39	1.69	6.69	8.39	0.60	6.10	6.70	42,263.84
Asphalt 01/01/2010-03/31/2010	6.56	29.92	16.14	0.01	0.05	2.14	2.19	0.02	1.97	1.98	2,998.46
Paving Off-Gas	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	3.20	19.17	10.47	0.00	0.00	1.68	1.68	0.00	1.55	1.55	1,418.81
Paving On Road Diesel	0.86	10.67	4.30	0.01	0.05	0.45	0.50	0.02	0.42	0.43	1,424.21
Paving Worker Trips	0.04	0.08	1.36	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.43
Building 01/01/2010-11/29/2013	16.40	87.29	298.52	0.38	1.64	4.55	6.19	0.58	4.13	4.71	39,265.38
Building Off Road Diesel	4.08	23.31	14.31	0.00	0.00	1.67	1.67	0.00	1.54	1.54	2,259.28
Building Vendor Trips	4.48	49.40	39.42	0.09	0.32	2.13	2.44	0.11	1.95	2.06	9,014.03
Building Worker Trips	7.85	14.58	244.79	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,992.07
Time Slice 4/1/2010-4/30/2010 Active Days: 22	16.40	87.29	298.52	0.38	1.64	4.55	6.19	0.58	4.13	4.71	39,265.38
Building 01/01/2010-11/29/2013	16.40	87.29	298.52	0.38	1.64	4.55	6.19	0.58	4.13	4.71	39,265.38
Building Off Road Diesel	4.08	23.31	14.31	0.00	0.00	1.67	1.67	0.00	1.54	1.54	2,259.28
Building Vendor Trips	4.48	49.40	39.42	0.09	0.32	2.13	2.44	0.11	1.95	2.06	9,014.03
Building Worker Trips	7.85	14.58	244.79	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,992.07
Time Slice 5/3/2010-12/31/2010 Active Days: 175	50.16	87.34	299.36	0.38	1.64	4.56	6.20	0.59	4.13	4.72	39,360.93
Building 01/01/2010-11/29/2013	16.40	87.29	298.52	0.38	1.64	4.55	6.19	0.58	4.13	4.71	39,265.38
Building Off Road Diesel	4.08	23.31	14.31	0.00	0.00	1.67	1.67	0.00	1.54	1.54	2,259.28
Building Vendor Trips	4.48	49.40	39.42	0.09	0.32	2.13	2.44	0.11	1.95	2.06	9,014.03
Building Worker Trips	7.85	14.58	244.79	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,992.07
Coating 05/03/2010-03/31/2014	33.75	0.05	0.84	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.55
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.03	0.05	0.84	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.55

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Time Slice 1/3/2011-12/30/2011 Active Days: 260	<u>48.81</u>	<u>79.91</u>	<u>279.63</u>	<u>0.38</u>	<u>1.64</u>	<u>4.24</u>	<u>5.88</u>	<u>0.59</u>	<u>3.84</u>	<u>4.42</u>	<u>39,355.04</u>
Building 01/01/2010-11/29/2013	15.06	79.86	278.85	0.38	1.64	4.24	5.88	0.58	3.83	4.42	39,259.51
Building Off Road Diesel	3.77	21.85	13.95	0.00	0.00	1.57	1.57	0.00	1.45	1.45	2,259.28
Building Vendor Trips	4.13	44.66	36.57	0.09	0.32	1.90	2.22	0.11	1.74	1.85	9,014.17
Building Worker Trips	7.16	13.36	228.33	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,986.06
Coating 05/03/2010-03/31/2014	33.75	0.05	0.78	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.53
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.05	0.78	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.53
Time Slice 1/2/2012-12/31/2012 Active Days: 261	<u>47.51</u>	<u>72.74</u>	<u>261.01</u>	<u>0.38</u>	<u>1.64</u>	<u>3.87</u>	<u>5.52</u>	<u>0.59</u>	<u>3.50</u>	<u>4.09</u>	<u>39,350.06</u>
Building 01/01/2010-11/29/2013	13.76	72.69	260.28	0.38	1.64	3.87	5.51	0.58	3.50	4.08	39,254.55
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.79	40.00	33.88	0.09	0.32	1.69	2.00	0.11	1.55	1.65	9,014.16
Building Worker Trips	6.49	12.27	212.78	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,981.11
Coating 05/03/2010-03/31/2014	33.75	0.04	0.73	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.51
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.73	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.51
Time Slice 1/1/2013-11/29/2013 Active Days: 239	<u>46.32</u>	<u>65.81</u>	<u>243.35</u>	<u>0.38</u>	<u>1.64</u>	<u>3.52</u>	<u>5.16</u>	<u>0.59</u>	<u>3.17</u>	<u>3.76</u>	<u>39,346.64</u>
Building 01/01/2010-11/29/2013	12.57	65.78	242.68	0.38	1.64	3.51	5.15	0.58	3.17	3.75	39,251.14
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	3.45	35.49	31.24	0.09	0.32	1.49	1.80	0.11	1.36	1.47	9,014.33
Building Worker Trips	5.93	11.25	198.10	0.29	1.32	0.76	2.09	0.48	0.64	1.12	27,977.53
Coating 05/03/2010-03/31/2014	33.75	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Time Slice 12/2/2013-12/31/2013 Active Days: 22	33.75	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Coating 05/03/2010-03/31/2014	33.75	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Time Slice 1/1/2014-3/31/2014 Active Days: 64	<u>33.75</u>	<u>0.04</u>	<u>0.63</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.01</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>95.49</u>
Coating 05/03/2010-03/31/2014	33.75	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.49
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.49

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Phase Assumptions

Phase: Paving 1/1/2010 - 3/31/2010 - Default Paving Description

Acres to be Paved: 59.91

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 1/1/2010 - 11/29/2013 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 5/3/2010 - 3/31/2014 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Landmark (1)\Landmark 2010-2014.urb924

Project Name: Landmark Village Construction 2010-2014

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2010 TOTALS (lbs/day unmitigated)	50.16	117.21	314.66	0.39	1.69	6.69	8.39	0.60	6.10	6.70	42,263.84
2011 TOTALS (lbs/day unmitigated)	48.81	79.91	279.63	0.38	1.64	4.24	5.88	0.59	3.84	4.42	39,355.04
2012 TOTALS (lbs/day unmitigated)	47.51	72.74	261.01	0.38	1.64	3.87	5.52	0.59	3.50	4.09	39,350.06
2013 TOTALS (lbs/day unmitigated)	46.32	65.81	243.35	0.38	1.64	3.52	5.16	0.59	3.17	3.76	39,346.64
2014 TOTALS (lbs/day unmitigated)	33.75	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.49

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2010-3/31/2010 Active Days: 64	22.96	117.21	314.66	0.39	1.69	6.69	8.39	0.60	6.10	6.70	42,263.84
Asphalt 01/01/2010-03/31/2010	6.56	29.92	16.14	0.01	0.05	2.14	2.19	0.02	1.97	1.98	2,998.46
Paving Off-Gas	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	3.20	19.17	10.47	0.00	0.00	1.68	1.68	0.00	1.55	1.55	1,418.81
Paving On Road Diesel	0.86	10.67	4.30	0.01	0.05	0.45	0.50	0.02	0.42	0.43	1,424.21
Paving Worker Trips	0.04	0.08	1.36	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.43
Building 01/01/2010-11/29/2013	16.40	87.29	298.52	0.38	1.64	4.55	6.19	0.58	4.13	4.71	39,265.38
Building Off Road Diesel	4.08	23.31	14.31	0.00	0.00	1.67	1.67	0.00	1.54	1.54	2,259.28
Building Vendor Trips	4.48	49.40	39.42	0.09	0.32	2.13	2.44	0.11	1.95	2.06	9,014.03
Building Worker Trips	7.85	14.58	244.79	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,992.07
Time Slice 4/1/2010-4/30/2010 Active Days: 22	16.40	87.29	298.52	0.38	1.64	4.55	6.19	0.58	4.13	4.71	39,265.38
Building 01/01/2010-11/29/2013	16.40	87.29	298.52	0.38	1.64	4.55	6.19	0.58	4.13	4.71	39,265.38
Building Off Road Diesel	4.08	23.31	14.31	0.00	0.00	1.67	1.67	0.00	1.54	1.54	2,259.28
Building Vendor Trips	4.48	49.40	39.42	0.09	0.32	2.13	2.44	0.11	1.95	2.06	9,014.03
Building Worker Trips	7.85	14.58	244.79	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,992.07
Time Slice 5/3/2010-12/31/2010 Active Days: 175	50.16	87.34	299.36	0.38	1.64	4.56	6.20	0.59	4.13	4.72	39,360.93
Building 01/01/2010-11/29/2013	16.40	87.29	298.52	0.38	1.64	4.55	6.19	0.58	4.13	4.71	39,265.38
Building Off Road Diesel	4.08	23.31	14.31	0.00	0.00	1.67	1.67	0.00	1.54	1.54	2,259.28
Building Vendor Trips	4.48	49.40	39.42	0.09	0.32	2.13	2.44	0.11	1.95	2.06	9,014.03
Building Worker Trips	7.85	14.58	244.79	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,992.07
Coating 05/03/2010-03/31/2014	33.75	0.05	0.84	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.55
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.03	0.05	0.84	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.55

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Time Slice 1/3/2011-12/30/2011 Active Days: 260	<u>48.81</u>	<u>79.91</u>	<u>279.63</u>	<u>0.38</u>	<u>1.64</u>	<u>4.24</u>	<u>5.88</u>	<u>0.59</u>	<u>3.84</u>	<u>4.42</u>	<u>39,355.04</u>
Building 01/01/2010-11/29/2013	15.06	79.86	278.85	0.38	1.64	4.24	5.88	0.58	3.83	4.42	39,259.51
Building Off Road Diesel	3.77	21.85	13.95	0.00	0.00	1.57	1.57	0.00	1.45	1.45	2,259.28
Building Vendor Trips	4.13	44.66	36.57	0.09	0.32	1.90	2.22	0.11	1.74	1.85	9,014.17
Building Worker Trips	7.16	13.36	228.33	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,986.06
Coating 05/03/2010-03/31/2014	33.75	0.05	0.78	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.53
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.05	0.78	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.53
Time Slice 1/2/2012-12/31/2012 Active Days: 261	<u>47.51</u>	<u>72.74</u>	<u>261.01</u>	<u>0.38</u>	<u>1.64</u>	<u>3.87</u>	<u>5.52</u>	<u>0.59</u>	<u>3.50</u>	<u>4.09</u>	<u>39,350.06</u>
Building 01/01/2010-11/29/2013	13.76	72.69	260.28	0.38	1.64	3.87	5.51	0.58	3.50	4.08	39,254.55
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.79	40.00	33.88	0.09	0.32	1.69	2.00	0.11	1.55	1.65	9,014.16
Building Worker Trips	6.49	12.27	212.78	0.29	1.32	0.76	2.08	0.48	0.64	1.12	27,981.11
Coating 05/03/2010-03/31/2014	33.75	0.04	0.73	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.51
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.73	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.51
Time Slice 1/1/2013-11/29/2013 Active Days: 239	<u>46.32</u>	<u>65.81</u>	<u>243.35</u>	<u>0.38</u>	<u>1.64</u>	<u>3.52</u>	<u>5.16</u>	<u>0.59</u>	<u>3.17</u>	<u>3.76</u>	<u>39,346.64</u>
Building 01/01/2010-11/29/2013	12.57	65.78	242.68	0.38	1.64	3.51	5.15	0.58	3.17	3.75	39,251.14
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	3.45	35.49	31.24	0.09	0.32	1.49	1.80	0.11	1.36	1.47	9,014.33
Building Worker Trips	5.93	11.25	198.10	0.29	1.32	0.76	2.09	0.48	0.64	1.12	27,977.53
Coating 05/03/2010-03/31/2014	33.75	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Time Slice 12/2/2013-12/31/2013 Active Days: 22	33.75	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Coating 05/03/2010-03/31/2014	33.75	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.68	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.50
Time Slice 1/1/2014-3/31/2014 Active Days: 64	<u>33.75</u>	<u>0.04</u>	<u>0.63</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.01</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>95.49</u>
Coating 05/03/2010-03/31/2014	33.75	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.49
Architectural Coating	33.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coating Worker Trips	0.02	0.04	0.63	0.00	0.00	0.00	0.01	0.00	0.00	0.00	95.49

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Phase Assumptions

Phase: Paving 1/1/2010 - 3/31/2010 - Default Paving Description

Acres to be Paved: 59.91

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 1/1/2010 - 11/29/2013 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 5/3/2010 - 3/31/2014 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Combined Annual Emissions Reports (Tons/Year)

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

CONSTRUCTION EMISSION ESTIMATES

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CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2010 - 3/31/2010 - Default Paving Description

Acres to be Paved: 59.91

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 1/1/2010 - 11/29/2013 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 5/3/2010 - 3/31/2014 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Mission Village
2011-2015

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2011-2015.urb924

Project Name: Mission Village 2011-2015

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2011 TOTALS (lbs/day unmitigated)	25.01	89.40	198.10	0.26	1.10	5.41	6.52	0.39	4.94	5.33	29,125.28
2012 TOTALS (lbs/day unmitigated)	24.03	60.68	172.93	0.25	1.08	3.27	4.35	0.38	2.97	3.35	26,930.10
2013 TOTALS (lbs/day unmitigated)	23.12	54.98	161.40	0.25	1.08	2.95	4.03	0.38	2.67	3.05	26,928.01
2014 TOTALS (lbs/day unmitigated)	22.28	49.59	150.98	0.25	1.08	2.66	3.73	0.38	2.40	2.79	26,926.22
2015 TOTALS (lbs/day unmitigated)	21.52	44.44	141.18	0.25	1.08	2.44	3.52	0.38	2.20	2.59	26,924.88

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

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Time Slice 1/2/2012-12/31/2012 Active Days: 261	<u>24.03</u>	<u>60.68</u>	<u>172.93</u>	<u>0.25</u>	<u>1.08</u>	<u>3.27</u>	<u>4.35</u>	<u>0.38</u>	<u>2.97</u>	<u>3.35</u>	<u>26,930.10</u>
Building 01/03/2011-12/31/2015	10.58	60.66	172.55	0.25	1.07	3.27	4.34	0.38	2.97	3.35	26,879.99
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.09	32.65	27.40	0.07	0.26	1.38	1.63	0.09	1.26	1.35	7,324.87
Building Worker Trips	4.01	7.58	131.53	0.18	0.82	0.47	1.29	0.29	0.40	0.69	17,295.84
Coating 05/02/2011-12/31/2015	13.45	0.02	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.11
Architectural Coating	13.44	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	0.02	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.11
Time Slice 1/1/2013-12/31/2013 Active Days: 261	<u>23.12</u>	<u>54.98</u>	<u>161.40</u>	<u>0.25</u>	<u>1.08</u>	<u>2.95</u>	<u>4.03</u>	<u>0.38</u>	<u>2.67</u>	<u>3.05</u>	<u>26,928.01</u>
Building 01/03/2011-12/31/2015	9.67	54.96	161.05	0.25	1.07	2.95	4.02	0.38	2.67	3.05	26,877.90
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.81	28.97	25.26	0.07	0.26	1.21	1.47	0.09	1.11	1.20	7,325.00
Building Worker Trips	3.67	6.95	122.45	0.18	0.82	0.47	1.29	0.29	0.40	0.69	17,293.63
Coating 05/02/2011-12/31/2015	13.45	0.02	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10
Architectural Coating	13.44	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	0.02	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10
Time Slice 1/1/2014-12/31/2014 Active Days: 261	<u>22.28</u>	<u>49.59</u>	<u>150.98</u>	<u>0.25</u>	<u>1.08</u>	<u>2.66</u>	<u>3.73</u>	<u>0.38</u>	<u>2.40</u>	<u>2.79</u>	<u>26,926.22</u>
Building 01/03/2011-12/31/2015	8.84	49.57	150.65	0.25	1.07	2.66	3.73	0.38	2.40	2.78	26,876.13
Building Off Road Diesel	2.93	17.65	13.06	0.00	0.00	1.11	1.11	0.00	1.02	1.02	2,259.28
Building Vendor Trips	2.55	25.51	23.27	0.07	0.26	1.06	1.31	0.09	0.97	1.05	7,325.06
Building Worker Trips	3.36	6.41	114.32	0.18	0.82	0.49	1.31	0.29	0.42	0.71	17,291.79
Coating 05/02/2011-12/31/2015	13.45	0.02	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10
Architectural Coating	13.44	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	0.02	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10
Time Slice 1/1/2015-12/31/2015 Active Days: 261	<u>21.52</u>	<u>44.44</u>	<u>141.18</u>	<u>0.25</u>	<u>1.08</u>	<u>2.44</u>	<u>3.52</u>	<u>0.38</u>	<u>2.20</u>	<u>2.59</u>	<u>26,924.88</u>
Building 01/03/2011-12/31/2015	8.07	44.42	140.87	0.25	1.07	2.44	3.51	0.38	2.20	2.58	26,874.79
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	2.30	22.35	21.42	0.07	0.26	0.92	1.18	0.09	0.84	0.93	7,325.23
Building Worker Trips	3.08	5.90	106.65	0.18	0.82	0.49	1.31	0.29	0.42	0.71	17,290.27
Coating 05/02/2011-12/31/2015	13.45	0.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.09
Architectural Coating	13.44	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	0.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.09

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Phase Assumptions

Phase: Paving 1/3/2011 - 3/31/2011 - Default Paving Description

Acres to be Paved: 28.1

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 1/3/2011 - 12/31/2015 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 5/2/2011 - 12/31/2015 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2011-2015.urb924

Project Name: Mission Village 2011-2015

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2011 TOTALS (lbs/day unmitigated)	25.01	89.40	198.10	0.26	1.10	5.41	6.52	0.39	4.94	5.33	29,125.28
2012 TOTALS (lbs/day unmitigated)	24.03	60.68	172.93	0.25	1.08	3.27	4.35	0.38	2.97	3.35	26,930.10
2013 TOTALS (lbs/day unmitigated)	23.12	54.98	161.40	0.25	1.08	2.95	4.03	0.38	2.67	3.05	26,928.01
2014 TOTALS (lbs/day unmitigated)	22.28	49.59	150.98	0.25	1.08	2.66	3.73	0.38	2.40	2.79	26,926.22
2015 TOTALS (lbs/day unmitigated)	21.52	44.44	141.18	0.25	1.08	2.44	3.52	0.38	2.20	2.59	26,924.88

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

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Time Slice 1/2/2012-12/31/2012 Active Days: 261	<u>24.03</u>	<u>60.68</u>	<u>172.93</u>	<u>0.25</u>	<u>1.08</u>	<u>3.27</u>	<u>4.35</u>	<u>0.38</u>	<u>2.97</u>	<u>3.35</u>	<u>26,930.10</u>
Building 01/03/2011-12/31/2015	10.58	60.66	172.55	0.25	1.07	3.27	4.34	0.38	2.97	3.35	26,879.99
Building Off Road Diesel	3.48	20.42	13.62	0.00	0.00	1.42	1.42	0.00	1.31	1.31	2,259.28
Building Vendor Trips	3.09	32.65	27.40	0.07	0.26	1.38	1.63	0.09	1.26	1.35	7,324.87
Building Worker Trips	4.01	7.58	131.53	0.18	0.82	0.47	1.29	0.29	0.40	0.69	17,295.84
Coating 05/02/2011-12/31/2015	13.45	0.02	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.1
Architectural Coating	13.44	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	0.02	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.11
Time Slice 1/1/2013-12/31/2013 Active Days: 261	<u>23.12</u>	<u>54.98</u>	<u>161.40</u>	<u>0.25</u>	<u>1.08</u>	<u>2.95</u>	<u>4.03</u>	<u>0.38</u>	<u>2.67</u>	<u>3.05</u>	<u>26,928.01</u>
Building 01/03/2011-12/31/2015	9.67	54.96	161.05	0.25	1.07	2.95	4.02	0.38	2.67	3.05	26,877.90
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	2.81	28.97	25.26	0.07	0.26	1.21	1.47	0.09	1.11	1.20	7,325.00
Building Worker Trips	3.67	6.95	122.45	0.18	0.82	0.47	1.29	0.29	0.40	0.69	17,293.63
Coating 05/02/2011-12/31/2015	13.45	0.02	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10
Architectural Coating	13.44	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	0.02	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10
Time Slice 1/1/2014-12/31/2014 Active Days: 261	<u>22.28</u>	<u>49.59</u>	<u>150.98</u>	<u>0.25</u>	<u>1.08</u>	<u>2.66</u>	<u>3.73</u>	<u>0.38</u>	<u>2.40</u>	<u>2.79</u>	<u>26,926.22</u>
Building 01/03/2011-12/31/2015	8.84	49.57	150.65	0.25	1.07	2.66	3.73	0.38	2.40	2.78	26,876.13
Building Off Road Diesel	2.93	17.65	13.06	0.00	0.00	1.11	1.11	0.00	1.02	1.02	2,259.28
Building Vendor Trips	2.55	25.51	23.27	0.07	0.26	1.06	1.31	0.09	0.97	1.05	7,325.06
Building Worker Trips	3.36	6.41	114.32	0.18	0.82	0.49	1.31	0.29	0.42	0.71	17,291.79
Coating 05/02/2011-12/31/2015	13.45	0.02	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10
Architectural Coating	13.44	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	0.02	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.10
Time Slice 1/1/2015-12/31/2015 Active Days: 261	<u>21.52</u>	<u>44.44</u>	<u>141.18</u>	<u>0.25</u>	<u>1.08</u>	<u>2.44</u>	<u>3.52</u>	<u>0.38</u>	<u>2.20</u>	<u>2.59</u>	<u>26,924.88</u>
Building 01/03/2011-12/31/2015	8.07	44.42	140.87	0.25	1.07	2.44	3.51	0.38	2.20	2.58	26,874.79
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	2.30	22.35	21.42	0.07	0.26	0.92	1.18	0.09	0.84	0.93	7,325.23
Building Worker Trips	3.08	5.90	106.65	0.18	0.82	0.49	1.31	0.29	0.42	0.71	17,290.27
Coating 05/02/2011-12/31/2015	13.45	0.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.09
Architectural Coating	13.44	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	0.02	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.09

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Phase Assumptions

Phase: Paving 1/3/2011 - 3/31/2011 - Default Paving Description

Acres to be Paved: 28.1

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 1/3/2011 - 12/31/2015 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 5/2/2011 - 12/31/2015 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2011-2015.urb924

Project Name: Mission Village 2011-2015

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2011 TOTALS (tons/year unmitigated)	2.83	9.38	24.47	0.03	0.14	0.53	0.67	0.05	0.48	0.53	3,570.93
2012 TOTALS (tons/year unmitigated)	3.14	7.92	22.57	0.03	0.14	0.43	0.57	0.05	0.39	0.44	3,514.38
2013 TOTALS (tons/year unmitigated)	3.02	7.17	21.06	0.03	0.14	0.38	0.53	0.05	0.35	0.40	3,514.10
2014 TOTALS (tons/year unmitigated)	2.91	6.47	19.70	0.03	0.14	0.35	0.49	0.05	0.31	0.36	3,513.87
2015 TOTALS (tons/year unmitigated)	2.81	5.80	18.42	0.03	0.14	0.32	0.46	0.05	0.29	0.34	3,513.70

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/3/2011 - 3/31/2011 - Default Paving Description

Acres to be Paved: 28.1

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 1/3/2011 - 12/31/2015 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 5/2/2011 - 12/31/2015 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Mission Village
2016-2020

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2016-2020.urb924

Project Name: Mission Village 2016-2020

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2016 TOTALS (lbs/day unmitigated)	34.56	77.42	239.30	0.46	1.96	4.54	6.50	0.70	4.09	4.79	48,878.83
2017 TOTALS (lbs/day unmitigated)	28.64	53.27	212.29	0.45	1.91	2.95	4.86	0.68	2.63	3.31	45,972.35
2018 TOTALS (lbs/day unmitigated)	27.80	48.40	199.00	0.45	1.91	2.73	4.64	0.68	2.43	3.11	45,971.08
2019 TOTALS (lbs/day unmitigated)	27.07	44.13	186.71	0.45	1.91	2.52	4.43	0.68	2.23	2.91	45,970.29
2020 TOTALS (lbs/day unmitigated)	26.36	40.48	174.96	0.45	1.91	2.36	4.27	0.68	2.09	2.77	45,969.80

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2016-3/31/2016 Active Days: 65	<u>34.56</u>	<u>77.42</u>	<u>239.30</u>	<u>0.46</u>	<u>1.96</u>	<u>4.54</u>	<u>6.50</u>	<u>0.70</u>	<u>4.09</u>	<u>4.79</u>	<u>48,878.83</u>
Asphalt 01/01/2016-03/31/2016	4.99	18.60	12.78	0.01	0.05	1.33	1.38	0.02	1.22	1.24	2,904.32
Paving Off-Gas	2.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.22	13.72	9.91	0.00	0.00	1.14	1.14	0.00	1.05	1.05	1,418.81
Paving On Road Diesel	0.45	4.83	1.98	0.01	0.04	0.18	0.23	0.01	0.17	0.18	1,330.21
Paving Worker Trips	0.03	0.05	0.90	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.30
Building 01/01/2016-12/31/2020	11.13	58.79	226.05	0.45	1.91	3.21	5.12	0.68	2.87	3.55	45,893.51
Building Off Road Diesel	2.47	14.84	12.61	0.00	0.00	0.88	0.88	0.00	0.81	0.81	2,259.28
Building Vendor Trips	3.60	34.14	34.12	0.12	0.44	1.41	1.85	0.15	1.29	1.44	12,589.35
Building Worker Trips	5.07	9.82	179.32	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,044.87
Coating 01/01/2016-12/31/2020	18.44	0.03	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00	81.00
Architectural Coating	18.42	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	0.03	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00	81.00
Time Slice 4/1/2016-12/30/2016 Active Days: 196	29.57	58.82	226.52	0.45	1.91	3.21	5.12	0.68	2.87	3.55	45,974.51
Building 01/01/2016-12/31/2020	11.13	58.79	226.05	0.45	1.91	3.21	5.12	0.68	2.87	3.55	45,893.51
Building Off Road Diesel	2.47	14.84	12.61	0.00	0.00	0.88	0.88	0.00	0.81	0.81	2,259.28
Building Vendor Trips	3.60	34.14	34.12	0.12	0.44	1.41	1.85	0.15	1.29	1.44	12,589.35
Building Worker Trips	5.07	9.82	179.32	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,044.87
Coating 01/01/2016-12/31/2020	18.44	0.03	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00	81.00
Architectural Coating	18.42	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	0.03	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00	81.00

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Time Slice 1/2/2017-12/29/2017 Active Days: 260	<u>28.64</u>	<u>53.27</u>	<u>212.29</u>	<u>0.45</u>	<u>1.91</u>	<u>2.95</u>	<u>4.86</u>	<u>0.68</u>	<u>2.63</u>	<u>3.31</u>	<u>45,972.35</u>
Building 01/01/2016-12/31/2020	10.20	53.25	211.86	0.45	1.91	2.95	4.86	0.68	2.63	3.31	45,891.36
Building Off Road Diesel	2.25	13.62	12.45	0.00	0.00	0.77	0.77	0.00	0.71	0.71	2,259.28
Building Vendor Trips	3.31	30.56	31.80	0.12	0.44	1.25	1.69	0.15	1.14	1.29	12,589.69
Building Worker Trips	4.65	9.07	167.61	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,042.39
Coating 01/01/2016-12/31/2020	18.44	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.99
Architectural Coating	18.42	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	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.99
Time Slice 1/1/2018-12/31/2018 Active Days: 261	<u>27.80</u>	<u>48.40</u>	<u>199.00</u>	<u>0.45</u>	<u>1.91</u>	<u>2.73</u>	<u>4.64</u>	<u>0.68</u>	<u>2.43</u>	<u>3.11</u>	<u>45,971.08</u>
Building 01/01/2016-12/31/2020	9.37	48.38	198.59	0.45	1.91	2.72	4.63	0.68	2.43	3.10	45,890.09
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	3.05	27.56	29.73	0.12	0.44	1.13	1.57	0.15	1.03	1.18	12,590.13
Building Worker Trips	4.28	8.37	156.60	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,040.68
Coating 01/01/2016-12/31/2020	18.44	0.02	0.41	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.99
Architectural Coating	18.42	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	0.02	0.41	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.99
Time Slice 1/1/2019-12/31/2019 Active Days: 261	<u>27.07</u>	<u>44.13</u>	<u>186.71</u>	<u>0.45</u>	<u>1.91</u>	<u>2.52</u>	<u>4.43</u>	<u>0.68</u>	<u>2.23</u>	<u>2.91</u>	<u>45,970.29</u>
Building 01/01/2016-12/31/2020	8.64	44.11	186.33	0.45	1.91	2.51	4.42	0.68	2.23	2.91	45,889.30
Building Off Road Diesel	1.88	11.39	12.14	0.00	0.00	0.57	0.57	0.00	0.52	0.52	2,259.28
Building Vendor Trips	2.82	25.00	27.86	0.12	0.44	1.02	1.46	0.15	0.93	1.08	12,590.64
Building Worker Trips	3.93	7.71	146.33	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,039.38
Coating 01/01/2016-12/31/2020	18.43	0.02	0.38	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.98
Architectural Coating	18.42	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	0.02	0.38	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.98
Time Slice 1/1/2020-12/31/2020 Active Days: 262	<u>26.36</u>	<u>40.48</u>	<u>174.96</u>	<u>0.45</u>	<u>1.91</u>	<u>2.36</u>	<u>4.27</u>	<u>0.68</u>	<u>2.09</u>	<u>2.77</u>	<u>45,969.80</u>
Building 01/01/2016-12/31/2020	7.93	40.46	174.61	0.45	1.91	2.36	4.27	0.68	2.09	2.77	45,888.82
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.63	22.83	26.18	0.12	0.44	0.94	1.38	0.15	0.85	1.00	12,591.17
Building Worker Trips	3.59	7.13	136.40	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,038.37
Coating 01/01/2016-12/31/2020	18.43	0.02	0.36	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.98
Architectural Coating	18.42	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	0.02	0.36	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.98

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Phase Assumptions

Phase: Paving 1/1/2016 - 3/31/2016 - Default Paving Description

Acres to be Paved: 56.83

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 1/1/2016 - 12/31/2020 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/1/2016 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2016-2020.urb924

Project Name: Mission Village 2016-2020

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2016 TOTALS (lbs/day unmitigated)	34.56	77.42	239.30	0.46	1.96	4.54	6.50	0.70	4.09	4.79	48,878.83
2017 TOTALS (lbs/day unmitigated)	28.64	53.27	212.29	0.45	1.91	2.95	4.86	0.68	2.63	3.31	45,972.35
2018 TOTALS (lbs/day unmitigated)	27.80	48.40	199.00	0.45	1.91	2.73	4.64	0.68	2.43	3.11	45,971.08
2019 TOTALS (lbs/day unmitigated)	27.07	44.13	186.71	0.45	1.91	2.52	4.43	0.68	2.23	2.91	45,970.29
2020 TOTALS (lbs/day unmitigated)	26.36	40.48	174.96	0.45	1.91	2.36	4.27	0.68	2.09	2.77	45,969.80

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2016-3/31/2016 Active Days: 65	<u>34.56</u>	<u>77.42</u>	<u>239.30</u>	<u>0.46</u>	<u>1.96</u>	<u>4.54</u>	<u>6.50</u>	<u>0.70</u>	<u>4.09</u>	<u>4.79</u>	<u>48,878.83</u>
Asphalt 01/01/2016-03/31/2016	4.99	18.60	12.78	0.01	0.05	1.33	1.38	0.02	1.22	1.24	2,904.32
Paving Off-Gas	2.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.22	13.72	9.91	0.00	0.00	1.14	1.14	0.00	1.05	1.05	1,418.81
Paving On Road Diesel	0.45	4.83	1.98	0.01	0.04	0.18	0.23	0.01	0.17	0.18	1,330.21
Paving Worker Trips	0.03	0.05	0.90	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.30
Building 01/01/2016-12/31/2020	11.13	58.79	226.05	0.45	1.91	3.21	5.12	0.68	2.87	3.55	45,893.51
Building Off Road Diesel	2.47	14.84	12.61	0.00	0.00	0.88	0.88	0.00	0.81	0.81	2,259.28
Building Vendor Trips	3.60	34.14	34.12	0.12	0.44	1.41	1.85	0.15	1.29	1.44	12,589.35
Building Worker Trips	5.07	9.82	179.32	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,044.87
Coating 01/01/2016-12/31/2020	18.44	0.03	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00	81.00
Architectural Coating	18.42	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	0.03	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00	81.00
Time Slice 4/1/2016-12/30/2016 Active Days: 196	29.57	58.82	226.52	0.45	1.91	3.21	5.12	0.68	2.87	3.55	45,974.51
Building 01/01/2016-12/31/2020	11.13	58.79	226.05	0.45	1.91	3.21	5.12	0.68	2.87	3.55	45,893.51
Building Off Road Diesel	2.47	14.84	12.61	0.00	0.00	0.88	0.88	0.00	0.81	0.81	2,259.28
Building Vendor Trips	3.60	34.14	34.12	0.12	0.44	1.41	1.85	0.15	1.29	1.44	12,589.35
Building Worker Trips	5.07	9.82	179.32	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,044.87
Coating 01/01/2016-12/31/2020	18.44	0.03	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00	81.00
Architectural Coating	18.42	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	0.03	0.47	0.00	0.00	0.00	0.01	0.00	0.00	0.00	81.00

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Time Slice 1/2/2017-12/29/2017 Active Days: 260	<u>28.64</u>	<u>53.27</u>	<u>212.29</u>	<u>0.45</u>	<u>1.91</u>	<u>2.95</u>	<u>4.86</u>	<u>0.68</u>	<u>2.63</u>	<u>3.31</u>	<u>45,972.35</u>
Building 01/01/2016-12/31/2020	10.20	53.25	211.86	0.45	1.91	2.95	4.86	0.68	2.63	3.31	45,891.36
Building Off Road Diesel	2.25	13.62	12.45	0.00	0.00	0.77	0.77	0.00	0.71	0.71	2,259.28
Building Vendor Trips	3.31	30.56	31.80	0.12	0.44	1.25	1.69	0.15	1.14	1.29	12,589.69
Building Worker Trips	4.65	9.07	167.61	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,042.39
Coating 01/01/2016-12/31/2020	18.44	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.99
Architectural Coating	18.42	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	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.99
Time Slice 1/1/2018-12/31/2018 Active Days: 261	<u>27.80</u>	<u>48.40</u>	<u>199.00</u>	<u>0.45</u>	<u>1.91</u>	<u>2.73</u>	<u>4.64</u>	<u>0.68</u>	<u>2.43</u>	<u>3.11</u>	<u>45,971.08</u>
Building 01/01/2016-12/31/2020	9.37	48.38	198.59	0.45	1.91	2.72	4.63	0.68	2.43	3.10	45,890.09
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	3.05	27.56	29.73	0.12	0.44	1.13	1.57	0.15	1.03	1.18	12,590.13
Building Worker Trips	4.28	8.37	156.60	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,040.68
Coating 01/01/2016-12/31/2020	18.44	0.02	0.41	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.99
Architectural Coating	18.42	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	0.02	0.41	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.99
Time Slice 1/1/2019-12/31/2019 Active Days: 261	<u>27.07</u>	<u>44.13</u>	<u>186.71</u>	<u>0.45</u>	<u>1.91</u>	<u>2.52</u>	<u>4.43</u>	<u>0.68</u>	<u>2.23</u>	<u>2.91</u>	<u>45,970.29</u>
Building 01/01/2016-12/31/2020	8.64	44.11	186.33	0.45	1.91	2.51	4.42	0.68	2.23	2.91	45,889.30
Building Off Road Diesel	1.88	11.39	12.14	0.00	0.00	0.57	0.57	0.00	0.52	0.52	2,259.28
Building Vendor Trips	2.82	25.00	27.86	0.12	0.44	1.02	1.46	0.15	0.93	1.08	12,590.64
Building Worker Trips	3.93	7.71	146.33	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,039.38
Coating 01/01/2016-12/31/2020	18.43	0.02	0.38	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.98
Architectural Coating	18.42	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	0.02	0.38	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.98
Time Slice 1/1/2020-12/31/2020 Active Days: 262	<u>26.36</u>	<u>40.48</u>	<u>174.96</u>	<u>0.45</u>	<u>1.91</u>	<u>2.36</u>	<u>4.27</u>	<u>0.68</u>	<u>2.09</u>	<u>2.77</u>	<u>45,969.80</u>
Building 01/01/2016-12/31/2020	7.93	40.46	174.61	0.45	1.91	2.36	4.27	0.68	2.09	2.77	45,888.82
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.63	22.83	26.18	0.12	0.44	0.94	1.38	0.15	0.85	1.00	12,591.17
Building Worker Trips	3.59	7.13	136.40	0.33	1.47	0.92	2.39	0.53	0.78	1.31	31,038.37
Coating 01/01/2016-12/31/2020	18.43	0.02	0.36	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.98
Architectural Coating	18.42	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	0.02	0.36	0.00	0.00	0.00	0.01	0.00	0.00	0.00	80.98

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Phase Assumptions

Phase: Paving 1/1/2016 - 3/31/2016 - Default Paving Description

Acres to be Paved: 56.83

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 1/1/2016 - 12/31/2020 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 1/1/2016 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2016-2020.urb924

Project Name: Mission Village 2016-2020

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2016 TOTALS (tons/year unmitigated)	4.02	8.28	29.98	0.06	0.25	0.46	0.71	0.09	0.41	0.50	6,094.06
2017 TOTALS (tons/year unmitigated)	3.72	6.93	27.60	0.06	0.25	0.38	0.63	0.09	0.34	0.43	5,976.41
2018 TOTALS (tons/year unmitigated)	3.63	6.32	25.97	0.06	0.25	0.36	0.61	0.09	0.32	0.41	5,999.23
2019 TOTALS (tons/year unmitigated)	3.53	5.76	24.37	0.06	0.25	0.33	0.58	0.09	0.29	0.38	5,999.12
2020 TOTALS (tons/year unmitigated)	3.45	5.30	22.92	0.06	0.25	0.31	0.56	0.09	0.27	0.36	6,022.04

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2016 - 3/31/2016 - Default Paving Description

Acres to be Paved: 56.83

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 1/1/2016 - 12/31/2020 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/1/2016 - 12/31/2020 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Mission Village
2021-2026

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2021-2026.urb924

Project Name: Mission Village 2021-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2021 TOTALS (lbs/day unmitigated)	24.79	36.04	96.41	0.29	1.23	2.38	3.61	0.44	2.14	2.58	32,094.54
2022 TOTALS (lbs/day unmitigated)	21.23	23.80	85.57	0.28	1.19	1.50	2.70	0.42	1.33	1.76	29,549.12
2023 TOTALS (lbs/day unmitigated)	21.23	23.80	85.57	0.28	1.19	1.50	2.70	0.42	1.33	1.76	29,549.12
2024 TOTALS (lbs/day unmitigated)	21.23	23.80	85.57	0.28	1.19	1.50	2.70	0.42	1.33	1.76	29,549.12
2025 TOTALS (lbs/day unmitigated)	21.23	23.80	85.57	0.28	1.19	1.50	2.70	0.42	1.33	1.76	29,549.12
2026 TOTALS (lbs/day unmitigated)	20.56	21.40	70.00	0.28	1.19	1.44	2.64	0.42	1.28	1.70	29,551.37

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2021 - 3/31/2021 - Type Your Description Here

Acres to be Paved: 40.86

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 1/1/2021 - 2/27/2026 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 1/1/2021 - 6/30/2026 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2021-2026.urb924

Project Name: Mission Village 2021-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2021 TOTALS (lbs/day unmitigated)	24.79	36.04	96.41	0.29	1.23	2.38	3.61	0.44	2.14	2.58	32,094.54
2022 TOTALS (lbs/day unmitigated)	21.23	23.80	85.57	0.28	1.19	1.50	2.70	0.42	1.33	1.76	29,549.12
2023 TOTALS (lbs/day unmitigated)	21.23	23.80	85.57	0.28	1.19	1.50	2.70	0.42	1.33	1.76	29,549.12
2024 TOTALS (lbs/day unmitigated)	21.23	23.80	85.57	0.28	1.19	1.50	2.70	0.42	1.33	1.76	29,549.12
2025 TOTALS (lbs/day unmitigated)	21.23	23.80	85.57	0.28	1.19	1.50	2.70	0.42	1.33	1.76	29,549.12
2026 TOTALS (lbs/day unmitigated)	20.56	21.40	70.00	0.28	1.19	1.44	2.64	0.42	1.28	1.70	29,551.37

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2021 - 3/31/2021 - Type Your Description Here

Acres to be Paved: 40.86

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 1/1/2021 - 2/27/2026 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/1/2021 - 6/30/2026 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Mission (3)\MISSION\Mission Village 2021-2026.urb924

Project Name: Mission Village 2021-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2021 TOTALS (tons/year unmitigated)	2.88	3.50	11.51	0.04	0.16	0.22	0.38	0.06	0.20	0.26	3,937.61
2022 TOTALS (tons/year unmitigated)	2.76	3.09	11.12	0.04	0.16	0.20	0.35	0.06	0.17	0.23	3,841.39
2023 TOTALS (tons/year unmitigated)	2.76	3.09	11.12	0.04	0.16	0.20	0.35	0.06	0.17	0.23	3,841.39
2024 TOTALS (tons/year unmitigated)	2.78	3.12	11.21	0.04	0.16	0.20	0.35	0.06	0.17	0.23	3,870.93
2025 TOTALS (tons/year unmitigated)	2.77	3.11	11.17	0.04	0.16	0.20	0.35	0.06	0.17	0.23	3,856.16
2026 TOTALS (tons/year unmitigated)	1.16	0.45	1.48	0.01	0.03	0.03	0.06	0.01	0.03	0.04	622.92

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2021 - 3/31/2021 - Type Your Description Here

Acres to be Paved: 40.86

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 1/1/2021 - 2/27/2026 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 1/1/2021 - 6/30/2026 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Homestead
2013-2017

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2013-2017.urb924

Project Name: Homestead 2013-2017

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2013 TOTALS (lbs/day unmitigated)	23.94	88.01	218.86	0.34	1.44	5.12	6.56	0.51	4.66	5.17	36,897.43
2014 TOTALS (lbs/day unmitigated)	22.95	57.95	191.80	0.33	1.39	3.07	4.46	0.50	2.77	3.27	34,055.67
2015 TOTALS (lbs/day unmitigated)	22.04	51.86	179.18	0.33	1.39	2.82	4.21	0.50	2.54	3.04	34,053.89
2016 TOTALS (lbs/day unmitigated)	21.22	46.82	168.18	0.33	1.39	2.57	3.96	0.50	2.31	2.80	34,051.39
2017 TOTALS (lbs/day unmitigated)	20.48	42.45	157.79	0.33	1.39	2.36	3.75	0.50	2.11	2.60	34,049.82

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2013-3/29/2013 Active Days: 64	17.13	88.01	218.86	0.34	1.44	5.12	6.56	0.51	4.66	5.17	36,897.43
Asphalt 01/01/2013-03/29/2013	5.63	23.66	14.15	0.01	0.05	1.72	1.78	0.02	1.59	1.60	2,908.04
Paving Off-Gas	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.69	16.46	10.15	0.00	0.00	1.43	1.43	0.00	1.32	1.32	1,418.81
Paving On Road Diesel	0.62	7.14	2.89	0.01	0.04	0.29	0.33	0.01	0.26	0.28	1,333.88
Paving Worker Trips	0.03	0.06	1.10	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.35
Building 01/01/2013-12/29/2017	11.49	64.35	204.72	0.32	1.39	3.40	4.78	0.49	3.07	3.56	33,989.39
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	3.52	36.23	31.41	0.09	0.32	1.51	1.83	0.11	1.39	1.50	9,137.43
Building Worker Trips	4.79	9.08	159.97	0.24	1.07	0.62	1.69	0.39	0.52	0.90	22,592.68
Time Slice 4/1/2013-4/30/2013 Active Days: 22	11.49	64.35	204.72	0.32	1.39	3.40	4.78	0.49	3.07	3.56	33,989.39
Building 01/01/2013-12/29/2017	11.49	64.35	204.72	0.32	1.39	3.40	4.78	0.49	3.07	3.56	33,989.39
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	3.52	36.23	31.41	0.09	0.32	1.51	1.83	0.11	1.39	1.50	9,137.43
Building Worker Trips	4.79	9.08	159.97	0.24	1.07	0.62	1.69	0.39	0.52	0.90	22,592.68
Time Slice 5/1/2013-12/31/2013 Active Days: 175	23.94	64.38	205.20	0.33	1.39	3.40	4.79	0.50	3.07	3.57	34,058.00
Building 01/01/2013-12/29/2017	11.49	64.35	204.72	0.32	1.39	3.40	4.78	0.49	3.07	3.56	33,989.39
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	3.52	36.23	31.41	0.09	0.32	1.51	1.83	0.11	1.39	1.50	9,137.43
Building Worker Trips	4.79	9.08	159.97	0.24	1.07	0.62	1.69	0.39	0.52	0.90	22,592.68
Coating 05/01/2013-12/29/2017	12.45	0.03	0.49	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.61
Architectural Coating	12.44	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	0.03	0.49	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.61

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Time Slice 1/1/2014-12/31/2014 Active Days: 261	<u>22.95</u>	<u>57.95</u>	<u>191.80</u>	<u>0.33</u>	<u>1.39</u>	<u>3.07</u>	<u>4.46</u>	<u>0.50</u>	<u>2.77</u>	<u>3.27</u>	<u>34,055.67</u>
Building 01/01/2013-12/29/2017	10.50	57.93	191.34	0.32	1.39	3.07	4.46	0.49	2.77	3.26	33,987.06
Building Off Road Diesel	2.93	17.65	13.06	0.00	0.00	1.11	1.11	0.00	1.02	1.02	2,259.28
Building Vendor Trips	3.19	31.91	28.93	0.09	0.32	1.32	1.64	0.11	1.21	1.32	9,137.50
Building Worker Trips	4.39	8.37	149.35	0.24	1.07	0.64	1.71	0.39	0.54	0.93	22,590.28
Coating 05/01/2013-12/29/2017	12.45	0.03	0.45	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.60
Architectural Coating	12.44	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	0.03	0.45	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.60
Time Slice 1/1/2015-12/31/2015 Active Days: 261	<u>22.04</u>	<u>51.86</u>	<u>179.18</u>	<u>0.33</u>	<u>1.39</u>	<u>2.82</u>	<u>4.21</u>	<u>0.50</u>	<u>2.54</u>	<u>3.04</u>	<u>34,053.89</u>
Building 01/01/2013-12/29/2017	9.59	51.84	178.75	0.32	1.39	2.82	4.21	0.49	2.54	3.03	33,985.30
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	2.87	27.95	26.62	0.09	0.32	1.15	1.47	0.11	1.05	1.16	9,137.72
Building Worker Trips	4.03	7.71	139.33	0.24	1.07	0.64	1.71	0.39	0.54	0.93	22,588.30
Coating 05/01/2013-12/29/2017	12.45	0.02	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.60
Architectural Coating	12.44	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	0.02	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.60
Time Slice 1/1/2016-12/30/2016 Active Days: 261	<u>21.22</u>	<u>46.82</u>	<u>168.18</u>	<u>0.33</u>	<u>1.39</u>	<u>2.57</u>	<u>3.96</u>	<u>0.50</u>	<u>2.31</u>	<u>2.80</u>	<u>34,051.39</u>
Building 01/01/2013-12/29/2017	8.77	46.79	167.78	0.32	1.39	2.57	3.96	0.49	2.31	2.80	33,982.80
Building Off Road Diesel	2.47	14.84	12.61	0.00	0.00	0.88	0.88	0.00	0.81	0.81	2,259.28
Building Vendor Trips	2.61	24.81	24.72	0.09	0.32	1.02	1.34	0.11	0.93	1.04	9,137.85
Building Worker Trips	3.69	7.14	130.46	0.24	1.07	0.67	1.74	0.39	0.57	0.95	22,585.67
Coating 05/01/2013-12/29/2017	12.45	0.02	0.40	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.59
Architectural Coating	12.44	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	0.02	0.40	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.59
Time Slice 1/2/2017-12/29/2017 Active Days: 260	<u>20.48</u>	<u>42.45</u>	<u>157.79</u>	<u>0.33</u>	<u>1.39</u>	<u>2.36</u>	<u>3.75</u>	<u>0.50</u>	<u>2.11</u>	<u>2.60</u>	<u>34,049.82</u>
Building 01/01/2013-12/29/2017	8.03	42.43	157.42	0.32	1.39	2.35	3.74	0.49	2.11	2.60	33,981.23
Building Off Road Diesel	2.25	13.62	12.45	0.00	0.00	0.77	0.77	0.00	0.71	0.71	2,259.28
Building Vendor Trips	2.40	22.21	23.03	0.09	0.32	0.91	1.23	0.11	0.83	0.94	9,138.09
Building Worker Trips	3.38	6.60	121.94	0.24	1.07	0.67	1.74	0.39	0.57	0.95	22,583.87
Coating 05/01/2013-12/29/2017	12.45	0.02	0.37	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.58
Architectural Coating	12.44	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	0.02	0.37	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.58

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Phase Assumptions

Phase: Paving 1/1/2013 - 3/29/2013 - Default Paving Description

Acres to be Paved: 56.11

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 1/1/2013 - 12/29/2017 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 5/1/2013 - 12/29/2017 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2013-2017.urb924

Project Name: Homestead 2013-2017

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2013 TOTALS (lbs/day unmitigated)	23.94	88.01	218.86	0.34	1.44	5.12	6.56	0.51	4.66	5.17	36,897.43
2014 TOTALS (lbs/day unmitigated)	22.95	57.95	191.80	0.33	1.39	3.07	4.46	0.50	2.77	3.27	34,055.67
2015 TOTALS (lbs/day unmitigated)	22.04	51.86	179.18	0.33	1.39	2.82	4.21	0.50	2.54	3.04	34,053.89
2016 TOTALS (lbs/day unmitigated)	21.22	46.82	168.18	0.33	1.39	2.57	3.96	0.50	2.31	2.80	34,051.39
2017 TOTALS (lbs/day unmitigated)	20.48	42.45	157.79	0.33	1.39	2.36	3.75	0.50	2.11	2.60	34,049.82

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2013-3/29/2013 Active Days: 64	17.13	<u>88.01</u>	<u>218.86</u>	<u>0.34</u>	<u>1.44</u>	<u>5.12</u>	<u>6.56</u>	<u>0.51</u>	<u>4.66</u>	<u>5.17</u>	<u>36,897.43</u>
Asphalt 01/01/2013-03/29/2013	5.63	23.66	14.15	0.01	0.05	1.72	1.78	0.02	1.59	1.60	2,908.04
Paving Off-Gas	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.69	16.46	10.15	0.00	0.00	1.43	1.43	0.00	1.32	1.32	1,418.81
Paving On Road Diesel	0.62	7.14	2.89	0.01	0.04	0.29	0.33	0.01	0.26	0.28	1,333.88
Paving Worker Trips	0.03	0.06	1.10	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.35
Building 01/01/2013-12/29/2017	11.49	64.35	204.72	0.32	1.39	3.40	4.78	0.49	3.07	3.56	33,989.39
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	3.52	36.23	31.41	0.09	0.32	1.51	1.83	0.11	1.39	1.50	9,137.43
Building Worker Trips	4.79	9.08	159.97	0.24	1.07	0.62	1.69	0.39	0.52	0.90	22,592.68
Time Slice 4/1/2013-4/30/2013 Active Days: 22	11.49	64.35	204.72	0.32	1.39	3.40	4.78	0.49	3.07	3.56	33,989.39
Building 01/01/2013-12/29/2017	11.49	64.35	204.72	0.32	1.39	3.40	4.78	0.49	3.07	3.56	33,989.39
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	3.52	36.23	31.41	0.09	0.32	1.51	1.83	0.11	1.39	1.50	9,137.43
Building Worker Trips	4.79	9.08	159.97	0.24	1.07	0.62	1.69	0.39	0.52	0.90	22,592.68
Time Slice 5/1/2013-12/31/2013 Active Days: 175	<u>23.94</u>	64.38	205.20	0.33	1.39	3.40	4.79	0.50	3.07	3.57	34,058.00
Building 01/01/2013-12/29/2017	11.49	64.35	204.72	0.32	1.39	3.40	4.78	0.49	3.07	3.56	33,989.39
Building Off Road Diesel	3.19	19.04	13.34	0.00	0.00	1.26	1.26	0.00	1.16	1.16	2,259.28
Building Vendor Trips	3.52	36.23	31.41	0.09	0.32	1.51	1.83	0.11	1.39	1.50	9,137.43
Building Worker Trips	4.79	9.08	159.97	0.24	1.07	0.62	1.69	0.39	0.52	0.90	22,592.68
Coating 05/01/2013-12/29/2017	12.45	0.03	0.49	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.61
Architectural Coating	12.44	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	0.03	0.49	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.61

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Time Slice 1/1/2014-12/31/2014 Active Days: 261	<u>22.95</u>	<u>57.95</u>	<u>191.80</u>	<u>0.33</u>	<u>1.39</u>	<u>3.07</u>	<u>4.46</u>	<u>0.50</u>	<u>2.77</u>	<u>3.27</u>	<u>34,055.67</u>
Building 01/01/2013-12/29/2017	10.50	57.93	191.34	0.32	1.39	3.07	4.46	0.49	2.77	3.26	33,987.06
Building Off Road Diesel	2.93	17.65	13.06	0.00	0.00	1.11	1.11	0.00	1.02	1.02	2,259.28
Building Vendor Trips	3.19	31.91	28.93	0.09	0.32	1.32	1.64	0.11	1.21	1.32	9,137.50
Building Worker Trips	4.39	8.37	149.35	0.24	1.07	0.64	1.71	0.39	0.54	0.93	22,590.28
Coating 05/01/2013-12/29/2017	12.45	0.03	0.45	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.60
Architectural Coating	12.44	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	0.03	0.45	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.60
Time Slice 1/1/2015-12/31/2015 Active Days: 261	<u>22.04</u>	<u>51.86</u>	<u>179.18</u>	<u>0.33</u>	<u>1.39</u>	<u>2.82</u>	<u>4.21</u>	<u>0.50</u>	<u>2.54</u>	<u>3.04</u>	<u>34,053.89</u>
Building 01/01/2013-12/29/2017	9.59	51.84	178.75	0.32	1.39	2.82	4.21	0.49	2.54	3.03	33,985.30
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	2.87	27.95	26.62	0.09	0.32	1.15	1.47	0.11	1.05	1.16	9,137.72
Building Worker Trips	4.03	7.71	139.33	0.24	1.07	0.64	1.71	0.39	0.54	0.93	22,588.30
Coating 05/01/2013-12/29/2017	12.45	0.02	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.60
Architectural Coating	12.44	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	0.02	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.60
Time Slice 1/1/2016-12/30/2016 Active Days: 261	<u>21.22</u>	<u>46.82</u>	<u>168.18</u>	<u>0.33</u>	<u>1.39</u>	<u>2.57</u>	<u>3.96</u>	<u>0.50</u>	<u>2.31</u>	<u>2.80</u>	<u>34,051.39</u>
Building 01/01/2013-12/29/2017	8.77	46.79	167.78	0.32	1.39	2.57	3.96	0.49	2.31	2.80	33,982.80
Building Off Road Diesel	2.47	14.84	12.61	0.00	0.00	0.88	0.88	0.00	0.81	0.81	2,259.28
Building Vendor Trips	2.61	24.81	24.72	0.09	0.32	1.02	1.34	0.11	0.93	1.04	9,137.85
Building Worker Trips	3.69	7.14	130.46	0.24	1.07	0.67	1.74	0.39	0.57	0.95	22,585.67
Coating 05/01/2013-12/29/2017	12.45	0.02	0.40	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.59
Architectural Coating	12.44	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	0.02	0.40	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.59
Time Slice 1/2/2017-12/29/2017 Active Days: 260	<u>20.48</u>	<u>42.45</u>	<u>157.79</u>	<u>0.33</u>	<u>1.39</u>	<u>2.36</u>	<u>3.75</u>	<u>0.50</u>	<u>2.11</u>	<u>2.60</u>	<u>34,049.82</u>
Building 01/01/2013-12/29/2017	8.03	42.43	157.42	0.32	1.39	2.35	3.74	0.49	2.11	2.60	33,981.23
Building Off Road Diesel	2.25	13.62	12.45	0.00	0.00	0.77	0.77	0.00	0.71	0.71	2,259.28
Building Vendor Trips	2.40	22.21	23.03	0.09	0.32	0.91	1.23	0.11	0.83	0.94	9,138.09
Building Worker Trips	3.38	6.60	121.94	0.24	1.07	0.67	1.74	0.39	0.57	0.95	22,583.87
Coating 05/01/2013-12/29/2017	12.45	0.02	0.37	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.58
Architectural Coating	12.44	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	0.02	0.37	0.00	0.00	0.00	0.01	0.00	0.00	0.00	68.58

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Phase Assumptions

Phase: Paving 1/1/2013 - 3/29/2013 - Default Paving Description

Acres to be Paved: 56.11

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 1/1/2013 - 12/29/2017 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 5/1/2013 - 12/29/2017 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2013-2017.urb924

Project Name: Homestead 2013-2017

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2013 TOTALS (tons/year unmitigated)	2.77	9.16	27.21	0.04	0.18	0.50	0.68	0.07	0.45	0.52	4,534.68
2014 TOTALS (tons/year unmitigated)	3.00	7.56	25.03	0.04	0.18	0.40	0.58	0.06	0.36	0.43	4,444.26
2015 TOTALS (tons/year unmitigated)	2.88	6.77	23.38	0.04	0.18	0.37	0.55	0.06	0.33	0.40	4,444.03
2016 TOTALS (tons/year unmitigated)	2.77	6.11	21.95	0.04	0.18	0.34	0.52	0.06	0.30	0.37	4,443.71
2017 TOTALS (tons/year unmitigated)	2.66	5.52	20.51	0.04	0.18	0.31	0.49	0.06	0.27	0.34	4,426.48

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2013 - 3/29/2013 - Default Paving Description

Acres to be Paved: 56.11

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 1/1/2013 - 12/29/2017 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 5/1/2013 - 12/29/2017 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Homestead
2018-2022

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2018-2022.urb924

Project Name: Homestead 2018-2022

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2018 TOTALS (lbs/day unmitigated)	33.34	65.75	229.61	0.50	2.14	3.95	6.10	0.76	3.55	4.31	52,649.51
2019 TOTALS (lbs/day unmitigated)	26.73	43.84	203.26	0.48	2.07	2.58	4.65	0.74	2.28	3.02	49,152.97
2020 TOTALS (lbs/day unmitigated)	25.99	40.23	190.38	0.48	2.07	2.43	4.50	0.74	2.14	2.88	49,152.34
2021 TOTALS (lbs/day unmitigated)	23.97	31.51	140.87	0.48	2.07	2.18	4.25	0.74	1.92	2.66	49,154.48
2022 TOTALS (lbs/day unmitigated)	23.97	31.51	140.87	0.48	2.07	2.18	4.25	0.74	1.92	2.66	49,154.48

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2018-3/30/2018 Active Days: 65	<u>33.34</u>	<u>65.75</u>	<u>229.61</u>	<u>0.50</u>	<u>2.14</u>	<u>3.95</u>	<u>6.10</u>	<u>0.76</u>	<u>3.55</u>	<u>4.31</u>	<u>52,649.51</u>
Asphalt 01/01/2018-03/30/2018	5.85	17.68	12.89	0.02	0.07	1.17	1.24	0.02	1.07	1.10	3,495.56
Paving Off-Gas	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.97	12.02	9.79	0.00	0.00	0.96	0.96	0.00	0.89	0.89	1,418.81
Paving On Road Diesel	0.55	5.61	2.31	0.02	0.06	0.20	0.26	0.02	0.18	0.20	1,921.47
Paving Worker Trips	0.02	0.04	0.78	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.28
Building 01/01/2018-12/30/2022	9.74	48.05	216.28	0.48	2.07	2.78	4.85	0.74	2.47	3.21	49,066.80
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	2.90	26.20	28.22	0.11	0.42	1.07	1.49	0.14	0.98	1.12	11,961.83
Building Worker Trips	4.81	9.40	175.80	0.37	1.65	1.04	2.69	0.59	0.87	1.47	34,845.68
Coating 01/01/2018-12/30/2022	17.75	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.16
Architectural Coating	17.74	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	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.16
Time Slice 4/2/2018-12/31/2018 Active Days: 196	27.49	48.07	216.72	0.48	2.07	2.78	4.86	0.74	2.47	3.21	49,153.95
Building 01/01/2018-12/30/2022	9.74	48.05	216.28	0.48	2.07	2.78	4.85	0.74	2.47	3.21	49,066.80
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	2.90	26.20	28.22	0.11	0.42	1.07	1.49	0.14	0.98	1.12	11,961.83
Building Worker Trips	4.81	9.40	175.80	0.37	1.65	1.04	2.69	0.59	0.87	1.47	34,845.68
Coating 01/01/2018-12/30/2022	17.75	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.16
Architectural Coating	17.74	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	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.16

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Time Slice 1/1/2019-12/31/2019 Active Days: 261	<u>26.73</u>	<u>43.84</u>	<u>203.26</u>	<u>0.48</u>	<u>2.07</u>	<u>2.58</u>	<u>4.65</u>	<u>0.74</u>	<u>2.28</u>	<u>3.02</u>	<u>49,152.97</u>
Building 01/01/2018-12/30/2022	8.98	43.82	202.85	0.48	2.07	2.58	4.64	0.74	2.28	3.02	49,065.82
Building Off Road Diesel	1.88	11.39	12.14	0.00	0.00	0.57	0.57	0.00	0.52	0.52	2,259.28
Building Vendor Trips	2.68	23.77	26.45	0.11	0.42	0.97	1.39	0.14	0.89	1.03	11,962.31
Building Worker Trips	4.42	8.66	164.26	0.37	1.65	1.04	2.69	0.59	0.87	1.47	34,844.23
Coating 01/01/2018-12/30/2022	17.75	0.02	0.41	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Architectural Coating	17.74	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	0.02	0.41	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Time Slice 1/1/2020-12/31/2020 Active Days: 262	<u>25.99</u>	<u>40.23</u>	<u>190.38</u>	<u>0.48</u>	<u>2.07</u>	<u>2.43</u>	<u>4.50</u>	<u>0.74</u>	<u>2.14</u>	<u>2.88</u>	<u>49,152.34</u>
Building 01/01/2018-12/30/2022	8.24	40.21	189.99	0.48	2.07	2.42	4.49	0.74	2.14	2.88	49,065.19
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.50	21.71	24.85	0.11	0.42	0.89	1.31	0.14	0.81	0.95	11,962.82
Building Worker Trips	4.03	8.01	153.12	0.37	1.65	1.04	2.69	0.59	0.87	1.47	34,843.09
Coating 01/01/2018-12/30/2022	17.75	0.02	0.38	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Architectural Coating	17.74	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	0.02	0.38	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Time Slice 1/1/2021-12/31/2021 Active Days: 261	<u>23.97</u>	<u>31.51</u>	<u>140.87</u>	<u>0.48</u>	<u>2.07</u>	<u>2.18</u>	<u>4.25</u>	<u>0.74</u>	<u>1.92</u>	<u>2.66</u>	<u>49,154.48</u>
Building 01/01/2018-12/30/2022	6.23	31.49	140.59	0.48	2.07	2.18	4.25	0.74	1.92	2.65	49,067.33
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.89	15.51	19.11	0.11	0.42	0.65	1.07	0.14	0.59	0.73	11,965.42
Building Worker Trips	2.64	5.48	109.46	0.37	1.65	1.03	2.68	0.59	0.87	1.47	34,842.62
Coating 01/01/2018-12/30/2022	17.74	0.01	0.27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Architectural Coating	17.74	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	0.27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Time Slice 1/3/2022-12/30/2022 Active Days: 260	<u>23.97</u>	<u>31.51</u>	<u>140.87</u>	<u>0.48</u>	<u>2.07</u>	<u>2.18</u>	<u>4.25</u>	<u>0.74</u>	<u>1.92</u>	<u>2.66</u>	<u>49,154.48</u>
Building 01/01/2018-12/30/2022	6.23	31.49	140.59	0.48	2.07	2.18	4.25	0.74	1.92	2.65	49,067.33
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.89	15.51	19.11	0.11	0.42	0.65	1.07	0.14	0.59	0.73	11,965.42
Building Worker Trips	2.64	5.48	109.46	0.37	1.65	1.03	2.68	0.59	0.87	1.47	34,842.62
Coating 01/01/2018-12/30/2022	17.74	0.01	0.27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Architectural Coating	17.74	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	0.27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15

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Phase Assumptions

Phase: Paving 1/1/2018 - 3/30/2018 - Default Paving Description

Acres to be Paved: 82.09

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 1/1/2018 - 12/30/2022 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 1/1/2018 - 12/30/2022 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2018-2022.urb924

Project Name: Homestead 2018-2022

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2018 TOTALS (lbs/day unmitigated)	33.34	65.75	229.61	0.50	2.14	3.95	6.10	0.76	3.55	4.31	52,649.51
2019 TOTALS (lbs/day unmitigated)	26.73	43.84	203.26	0.48	2.07	2.58	4.65	0.74	2.28	3.02	49,152.97
2020 TOTALS (lbs/day unmitigated)	25.99	40.23	190.38	0.48	2.07	2.43	4.50	0.74	2.14	2.88	49,152.34
2021 TOTALS (lbs/day unmitigated)	23.97	31.51	140.87	0.48	2.07	2.18	4.25	0.74	1.92	2.66	49,154.48
2022 TOTALS (lbs/day unmitigated)	23.97	31.51	140.87	0.48	2.07	2.18	4.25	0.74	1.92	2.66	49,154.48

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2018-3/30/2018 Active Days: 65	33.34	65.75	229.61	0.50	2.14	3.95	6.10	0.76	3.55	4.31	52,649.51
Asphalt 01/01/2018-03/30/2018	5.85	17.68	12.89	0.02	0.07	1.17	1.24	0.02	1.07	1.10	3,495.56
Paving Off-Gas	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.97	12.02	9.79	0.00	0.00	0.96	0.96	0.00	0.89	0.89	1,418.81
Paving On Road Diesel	0.55	5.61	2.31	0.02	0.06	0.20	0.26	0.02	0.18	0.20	1,921.47
Paving Worker Trips	0.02	0.04	0.78	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.28
Building 01/01/2018-12/30/2022	9.74	48.05	216.28	0.48	2.07	2.78	4.85	0.74	2.47	3.21	49,066.80
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	2.90	26.20	28.22	0.11	0.42	1.07	1.49	0.14	0.98	1.12	11,961.83
Building Worker Trips	4.81	9.40	175.80	0.37	1.65	1.04	2.69	0.59	0.87	1.47	34,845.68
Coating 01/01/2018-12/30/2022	17.75	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.16
Architectural Coating	17.74	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	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.16
Time Slice 4/2/2018-12/31/2018 Active Days: 196	27.49	48.07	216.72	0.48	2.07	2.78	4.86	0.74	2.47	3.21	49,153.95
Building 01/01/2018-12/30/2022	9.74	48.05	216.28	0.48	2.07	2.78	4.85	0.74	2.47	3.21	49,066.80
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	2.90	26.20	28.22	0.11	0.42	1.07	1.49	0.14	0.98	1.12	11,961.83
Building Worker Trips	4.81	9.40	175.80	0.37	1.65	1.04	2.69	0.59	0.87	1.47	34,845.68
Coating 01/01/2018-12/30/2022	17.75	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.16
Architectural Coating	17.74	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	0.02	0.44	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.16

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Time Slice 1/1/2019-12/31/2019 Active Days: 261	<u>26.73</u>	<u>43.84</u>	<u>203.26</u>	<u>0.48</u>	<u>2.07</u>	<u>2.58</u>	<u>4.65</u>	<u>0.74</u>	<u>2.28</u>	<u>3.02</u>	<u>49,152.97</u>
Building 01/01/2018-12/30/2022	8.98	43.82	202.85	0.48	2.07	2.58	4.64	0.74	2.28	3.02	49,065.82
Building Off Road Diesel	1.88	11.39	12.14	0.00	0.00	0.57	0.57	0.00	0.52	0.52	2,259.28
Building Vendor Trips	2.68	23.77	26.45	0.11	0.42	0.97	1.39	0.14	0.89	1.03	11,962.31
Building Worker Trips	4.42	8.66	164.26	0.37	1.65	1.04	2.69	0.59	0.87	1.47	34,844.23
Coating 01/01/2018-12/30/2022	17.75	0.02	0.41	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Architectural Coating	17.74	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	0.02	0.41	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Time Slice 1/1/2020-12/31/2020 Active Days: 262	<u>25.99</u>	<u>40.23</u>	<u>190.38</u>	<u>0.48</u>	<u>2.07</u>	<u>2.43</u>	<u>4.50</u>	<u>0.74</u>	<u>2.14</u>	<u>2.88</u>	<u>49,152.34</u>
Building 01/01/2018-12/30/2022	8.24	40.21	189.99	0.48	2.07	2.42	4.49	0.74	2.14	2.88	49,065.19
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.50	21.71	24.85	0.11	0.42	0.89	1.31	0.14	0.81	0.95	11,962.82
Building Worker Trips	4.03	8.01	153.12	0.37	1.65	1.04	2.69	0.59	0.87	1.47	34,843.09
Coating 01/01/2018-12/30/2022	17.75	0.02	0.38	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Architectural Coating	17.74	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	0.02	0.38	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Time Slice 1/1/2021-12/31/2021 Active Days: 261	<u>23.97</u>	<u>31.51</u>	<u>140.87</u>	<u>0.48</u>	<u>2.07</u>	<u>2.18</u>	<u>4.25</u>	<u>0.74</u>	<u>1.92</u>	<u>2.66</u>	<u>49,154.48</u>
Building 01/01/2018-12/30/2022	6.23	31.49	140.59	0.48	2.07	2.18	4.25	0.74	1.92	2.65	49,067.33
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.89	15.51	19.11	0.11	0.42	0.65	1.07	0.14	0.59	0.73	11,965.42
Building Worker Trips	2.64	5.48	109.46	0.37	1.65	1.03	2.68	0.59	0.87	1.47	34,842.62
Coating 01/01/2018-12/30/2022	17.74	0.01	0.27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Architectural Coating	17.74	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	0.27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Time Slice 1/3/2022-12/30/2022 Active Days: 260	<u>23.97</u>	<u>31.51</u>	<u>140.87</u>	<u>0.48</u>	<u>2.07</u>	<u>2.18</u>	<u>4.25</u>	<u>0.74</u>	<u>1.92</u>	<u>2.66</u>	<u>49,154.48</u>
Building 01/01/2018-12/30/2022	6.23	31.49	140.59	0.48	2.07	2.18	4.25	0.74	1.92	2.65	49,067.33
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.89	15.51	19.11	0.11	0.42	0.65	1.07	0.14	0.59	0.73	11,965.42
Building Worker Trips	2.64	5.48	109.46	0.37	1.65	1.03	2.68	0.59	0.87	1.47	34,842.62
Coating 01/01/2018-12/30/2022	17.74	0.01	0.27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15
Architectural Coating	17.74	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	0.27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	87.15

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Phase Assumptions

Phase: Paving 1/1/2018 - 3/30/2018 - Default Paving Description

Acres to be Paved: 82.09

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 1/1/2018 - 12/30/2022 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 1/1/2018 - 12/30/2022 - Default Architectural Coating Description

- Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100
- Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50
- Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250
- Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100
- 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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2018-2022.urb924

Project Name: Homestead 2018-2022

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2018 TOTALS (tons/year unmitigated)	3.78	6.85	28.70	0.06	0.27	0.40	0.67	0.10	0.36	0.45	6,528.20
2019 TOTALS (tons/year unmitigated)	3.49	5.72	26.53	0.06	0.27	0.34	0.61	0.10	0.30	0.39	6,414.46
2020 TOTALS (tons/year unmitigated)	3.40	5.27	24.94	0.06	0.27	0.32	0.59	0.10	0.28	0.38	6,438.96
2021 TOTALS (tons/year unmitigated)	3.13	4.11	18.38	0.06	0.27	0.28	0.55	0.10	0.25	0.35	6,414.66
2022 TOTALS (tons/year unmitigated)	3.12	4.10	18.31	0.06	0.27	0.28	0.55	0.10	0.25	0.35	6,390.08

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2018 - 3/30/2018 - Default Paving Description

Acres to be Paved: 82.09

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 1/1/2018 - 12/30/2022 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/1/2018 - 12/30/2022 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Homestead
2023-2026

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2023-2026.urb924

Project Name: Homestead 2023-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2023 TOTALS (lbs/day unmitigated)	34.84	36.15	101.45	0.31	1.31	2.42	3.73	0.46	2.18	2.64	33,629.28
2024 TOTALS (lbs/day unmitigated)	31.45	24.07	90.68	0.30	1.27	1.55	2.82	0.45	1.37	1.83	31,174.17
2025 TOTALS (lbs/day unmitigated)	31.45	24.07	90.68	0.30	1.27	1.55	2.82	0.45	1.37	1.83	31,174.17
2026 TOTALS (lbs/day unmitigated)	30.74	21.60	73.96	0.30	1.27	1.49	2.76	0.45	1.32	1.77	31,176.52

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/2/2023-3/31/2023 Active Days: 65	<u>34.84</u>	<u>36.15</u>	<u>101.45</u>	<u>0.31</u>	<u>1.31</u>	<u>2.42</u>	<u>3.73</u>	<u>0.46</u>	<u>2.18</u>	<u>2.64</u>	<u>33,629.28</u>
Asphalt 01/02/2023-03/31/2023	3.39	12.08	10.78	0.01	0.04	0.87	0.91	0.01	0.80	0.81	2,455.11
Paving Off-Gas	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.70	10.53	9.66	0.00	0.00	0.82	0.82	0.00	0.75	0.75	1,418.81
Paving On Road Diesel	0.16	1.52	0.63	0.01	0.03	0.05	0.08	0.01	0.04	0.05	881.03
Paving Worker Trips	0.01	0.02	0.49	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.27
Building 01/02/2023-12/31/2026	4.54	24.06	90.44	0.29	1.27	1.55	2.82	0.45	1.37	1.82	31,099.76
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.25	10.28	12.85	0.08	0.28	0.43	0.71	0.09	0.39	0.49	7,970.99
Building Worker Trips	1.58	3.28	65.56	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,869.49
Coating 01/02/2023-12/31/2026	26.91	0.01	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Architectural Coating	26.90	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	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Time Slice 4/3/2023-12/29/2023 Active Days: 195	31.45	24.07	90.68	0.30	1.27	1.55	2.82	0.45	1.37	1.83	31,174.17
Building 01/02/2023-12/31/2026	4.54	24.06	90.44	0.29	1.27	1.55	2.82	0.45	1.37	1.82	31,099.76
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.25	10.28	12.85	0.08	0.28	0.43	0.71	0.09	0.39	0.49	7,970.99
Building Worker Trips	1.58	3.28	65.56	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,869.49
Coating 01/02/2023-12/31/2026	26.91	0.01	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Architectural Coating	26.90	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	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40

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Time Slice 1/1/2024-12/31/2024 Active Days: 262	<u>31.45</u>	<u>24.07</u>	<u>90.68</u>	<u>0.30</u>	<u>1.27</u>	<u>1.55</u>	<u>2.82</u>	<u>0.45</u>	<u>1.37</u>	<u>1.83</u>	<u>31,174.17</u>
Building 01/02/2023-12/31/2026	4.54	24.06	90.44	0.29	1.27	1.55	2.82	0.45	1.37	1.82	31,099.76
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.25	10.28	12.85	0.08	0.28	0.43	0.71	0.09	0.39	0.49	7,970.99
Building Worker Trips	1.58	3.28	65.56	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,869.49
Coating 01/02/2023-12/31/2026	26.91	0.01	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Architectural Coating	26.90	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	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Time Slice 1/1/2025-12/31/2025 Active Days: 261	<u>31.45</u>	<u>24.07</u>	<u>90.68</u>	<u>0.30</u>	<u>1.27</u>	<u>1.55</u>	<u>2.82</u>	<u>0.45</u>	<u>1.37</u>	<u>1.83</u>	<u>31,174.17</u>
Building 01/02/2023-12/31/2026	4.54	24.06	90.44	0.29	1.27	1.55	2.82	0.45	1.37	1.82	31,099.76
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.25	10.28	12.85	0.08	0.28	0.43	0.71	0.09	0.39	0.49	7,970.99
Building Worker Trips	1.58	3.28	65.56	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,869.49
Coating 01/02/2023-12/31/2026	26.91	0.01	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Architectural Coating	26.90	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	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Time Slice 1/1/2026-12/31/2026 Active Days: 261	<u>30.74</u>	<u>21.60</u>	<u>73.96</u>	<u>0.30</u>	<u>1.27</u>	<u>1.49</u>	<u>2.76</u>	<u>0.45</u>	<u>1.32</u>	<u>1.77</u>	<u>31,176.52</u>
Building 01/02/2023-12/31/2026	3.83	21.59	73.78	0.29	1.27	1.49	2.76	0.45	1.32	1.77	31,102.12
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.07	8.69	10.87	0.08	0.28	0.37	0.65	0.09	0.34	0.43	7,972.24
Building Worker Trips	1.05	2.40	50.89	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,870.60
Coating 01/02/2023-12/31/2026	26.91	0.01	0.18	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.41
Architectural Coating	26.90	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	0.01	0.18	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.41

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Phase Assumptions

Phase: Paving 1/2/2023 - 3/31/2023 - Default Paving Description

Acres to be Paved: 37.64

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 1/2/2023 - 12/31/2026 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/2/2023 - 12/31/2026 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2023-2026.urb924

Project Name: Homestead 2023-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2023 TOTALS (lbs/day unmitigated)	34.84	36.15	101.45	0.31	1.31	2.42	3.73	0.46	2.18	2.64	33,629.28
2024 TOTALS (lbs/day unmitigated)	31.45	24.07	90.68	0.30	1.27	1.55	2.82	0.45	1.37	1.83	31,174.17
2025 TOTALS (lbs/day unmitigated)	31.45	24.07	90.68	0.30	1.27	1.55	2.82	0.45	1.37	1.83	31,174.17
2026 TOTALS (lbs/day unmitigated)	30.74	21.60	73.96	0.30	1.27	1.49	2.76	0.45	1.32	1.77	31,176.52

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/2/2023-3/31/2023 Active Days: 65	<u>34.84</u>	<u>36.15</u>	<u>101.45</u>	<u>0.31</u>	<u>1.31</u>	<u>2.42</u>	<u>3.73</u>	<u>0.46</u>	<u>2.18</u>	<u>2.64</u>	<u>33,629.28</u>
Asphalt 01/02/2023-03/31/2023	3.39	12.08	10.78	0.01	0.04	0.87	0.91	0.01	0.80	0.81	2,455.11
Paving Off-Gas	1.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.70	10.53	9.66	0.00	0.00	0.82	0.82	0.00	0.75	0.75	1,418.81
Paving On Road Diesel	0.16	1.52	0.63	0.01	0.03	0.05	0.08	0.01	0.04	0.05	881.03
Paving Worker Trips	0.01	0.02	0.49	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.27
Building 01/02/2023-12/31/2026	4.54	24.06	90.44	0.29	1.27	1.55	2.82	0.45	1.37	1.82	31,099.76
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.25	10.28	12.85	0.08	0.28	0.43	0.71	0.09	0.39	0.49	7,970.99
Building Worker Trips	1.58	3.28	65.56	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,869.49
Coating 01/02/2023-12/31/2026	26.91	0.01	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Architectural Coating	26.90	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	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Time Slice 4/3/2023-12/29/2023 Active Days: 195	31.45	24.07	90.68	0.30	1.27	1.55	2.82	0.45	1.37	1.83	31,174.17
Building 01/02/2023-12/31/2026	4.54	24.06	90.44	0.29	1.27	1.55	2.82	0.45	1.37	1.82	31,099.76
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.25	10.28	12.85	0.08	0.28	0.43	0.71	0.09	0.39	0.49	7,970.99
Building Worker Trips	1.58	3.28	65.56	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,869.49
Coating 01/02/2023-12/31/2026	26.91	0.01	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Architectural Coating	26.90	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	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40

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Time Slice 1/1/2024-12/31/2024 Active Days: 262	<u>31.45</u>	<u>24.07</u>	<u>90.68</u>	<u>0.30</u>	<u>1.27</u>	<u>1.55</u>	<u>2.82</u>	<u>0.45</u>	<u>1.37</u>	<u>1.83</u>	<u>31,174.17</u>
Building 01/02/2023-12/31/2026	4.54	24.06	90.44	0.29	1.27	1.55	2.82	0.45	1.37	1.82	31,099.76
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.25	10.28	12.85	0.08	0.28	0.43	0.71	0.09	0.39	0.49	7,970.99
Building Worker Trips	1.58	3.28	65.56	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,869.49
Coating 01/02/2023-12/31/2026	26.91	0.01	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Architectural Coating	26.90	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	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Time Slice 1/1/2025-12/31/2025 Active Days: 261	<u>31.45</u>	<u>24.07</u>	<u>90.68</u>	<u>0.30</u>	<u>1.27</u>	<u>1.55</u>	<u>2.82</u>	<u>0.45</u>	<u>1.37</u>	<u>1.83</u>	<u>31,174.17</u>
Building 01/02/2023-12/31/2026	4.54	24.06	90.44	0.29	1.27	1.55	2.82	0.45	1.37	1.82	31,099.76
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.25	10.28	12.85	0.08	0.28	0.43	0.71	0.09	0.39	0.49	7,970.99
Building Worker Trips	1.58	3.28	65.56	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,869.49
Coating 01/02/2023-12/31/2026	26.91	0.01	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Architectural Coating	26.90	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	0.23	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.40
Time Slice 1/1/2026-12/31/2026 Active Days: 261	<u>30.74</u>	<u>21.60</u>	<u>73.96</u>	<u>0.30</u>	<u>1.27</u>	<u>1.49</u>	<u>2.76</u>	<u>0.45</u>	<u>1.32</u>	<u>1.77</u>	<u>31,176.52</u>
Building 01/02/2023-12/31/2026	3.83	21.59	73.78	0.29	1.27	1.49	2.76	0.45	1.32	1.77	31,102.12
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.07	8.69	10.87	0.08	0.28	0.37	0.65	0.09	0.34	0.43	7,972.24
Building Worker Trips	1.05	2.40	50.89	0.22	0.99	0.62	1.61	0.36	0.52	0.88	20,870.60
Coating 01/02/2023-12/31/2026	26.91	0.01	0.18	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.41
Architectural Coating	26.90	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	0.01	0.18	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.41

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Phase Assumptions

Phase: Paving 1/2/2023 - 3/31/2023 - Default Paving Description

Acres to be Paved: 37.64

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 1/2/2023 - 12/31/2026 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/2/2023 - 12/31/2026 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: Z:\Glu\aq\Newhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2023-2026.urb924

Project Name: Homestead 2023-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2023 TOTALS (tons/year unmitigated)	4.20	3.52	12.14	0.04	0.17	0.23	0.40	0.06	0.20	0.26	4,132.43
2024 TOTALS (tons/year unmitigated)	4.12	3.15	11.88	0.04	0.17	0.20	0.37	0.06	0.18	0.24	4,083.82
2025 TOTALS (tons/year unmitigated)	4.10	3.14	11.83	0.04	0.17	0.20	0.37	0.06	0.18	0.24	4,068.23
2026 TOTALS (tons/year unmitigated)	4.01	2.82	9.65	0.04	0.17	0.19	0.36	0.06	0.17	0.23	4,068.54

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Page: 1

4/15/2008 09:08:25 AM

Phase Assumptions

Phase: Paving 1/2/2023 - 3/31/2023 - Default Paving Description

Acres to be Paved: 37.64

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 1/2/2023 - 12/31/2026 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/2/2023 - 12/31/2026 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Homestead
2027-2030

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aq\Newhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2027-2030.urb924

Project Name: Homestead 2027-2030

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2027 TOTALS (lbs/day unmitigated)	16.42	19.07	31.06	0.07	0.30	1.25	1.55	0.11	1.14	1.25	9,438.63
2028 TOTALS (lbs/day unmitigated)	14.71	10.30	22.69	0.06	0.28	0.60	0.88	0.10	0.54	0.64	7,887.83
2029 TOTALS (lbs/day unmitigated)	14.71	10.30	22.69	0.06	0.28	0.60	0.88	0.10	0.54	0.64	7,887.83
2030 TOTALS (lbs/day unmitigated)	14.71	10.30	22.69	0.06	0.28	0.60	0.88	0.10	0.54	0.64	7,887.83

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2027 - 3/31/2027 - Default Paving Description

Acres to be Paved: 7.17

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 1/1/2027 - 8/30/2030 - Default Building Construction Description

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 (49 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 1/1/2027 - 12/31/2030 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2027-2030.urb924

Project Name: Homestead 2027-2030

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2027 TOTALS (lbs/day unmitigated)	16.42	19.07	31.06	0.07	0.30	1.25	1.55	0.11	1.14	1.25	9,438.63
2028 TOTALS (lbs/day unmitigated)	14.71	10.30	22.69	0.06	0.28	0.60	0.88	0.10	0.54	0.64	7,887.83
2029 TOTALS (lbs/day unmitigated)	14.71	10.30	22.69	0.06	0.28	0.60	0.88	0.10	0.54	0.64	7,887.83
2030 TOTALS (lbs/day unmitigated)	14.71	10.30	22.69	0.06	0.28	0.60	0.88	0.10	0.54	0.64	7,887.83

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2027 - 3/31/2027 - Default Paving Description

Acres to be Paved: 7.17

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 1/1/2027 - 8/30/2030 - Default Building Construction Description

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 (49 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 1/1/2027 - 12/31/2030 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aq\Newhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Homestead (4)\Homestead 2027-2030.urb924

Project Name: Homestead 2027-2030

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2027 TOTALS (tons/year unmitigated)	1.97	1.63	3.23	0.01	0.04	0.10	0.14	0.01	0.09	0.10	1,078.99
2028 TOTALS (tons/year unmitigated)	1.91	1.34	2.95	0.01	0.04	0.08	0.11	0.01	0.07	0.08	1,025.42
2029 TOTALS (tons/year unmitigated)	1.92	1.34	2.96	0.01	0.04	0.08	0.12	0.01	0.07	0.08	1,029.36
2030 TOTALS (tons/year unmitigated)	1.84	0.90	1.98	0.01	0.02	0.05	0.08	0.01	0.05	0.06	687.05

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2027 - 3/31/2027 - Default Paving Description

Acres to be Paved: 7.17

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 1/1/2027 - 8/30/2030 - Default Building Construction Description

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 (49 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 1/1/2027 - 12/31/2030 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Potrero Village
2015-2017

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aq\Newhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2015-2017.urb924

Project Name: Potrero Village 2015-2017

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2015 TOTALS (lbs/day unmitigated)	19.41	52.86	115.52	0.18	0.79	3.35	4.14	0.28	3.05	3.33	21,790.52
2016 TOTALS (lbs/day unmitigated)	18.87	30.39	97.10	0.17	0.75	1.73	2.48	0.27	1.56	1.82	19,150.72
2017 TOTALS (lbs/day unmitigated)	18.38	27.66	91.39	0.17	0.75	1.57	2.32	0.27	1.41	1.68	19,149.82

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2015-3/31/2015 Active Days: 64	11.07	<u>52.86</u>	<u>115.52</u>	<u>0.18</u>	<u>0.79</u>	<u>3.35</u>	<u>4.14</u>	<u>0.28</u>	<u>3.05</u>	<u>3.33</u>	<u>21,790.52</u>
Asphalt 01/01/2015-03/31/2015	4.80	19.38	12.84	0.01	0.05	1.43	1.47	0.02	1.31	1.33	2,713.31
Paving Off-Gas	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.38	14.65	9.98	0.00	0.00	1.25	1.25	0.00	1.15	1.15	1,418.81
Paving On Road Diesel	0.43	4.67	1.91	0.01	0.04	0.18	0.22	0.01	0.16	0.18	1,139.18
Paving Worker Trips	0.03	0.05	0.96	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.32
Building 01/01/2015-12/29/2017	6.27	33.48	102.68	0.17	0.74	1.92	2.66	0.26	1.74	2.00	19,077.21
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	1.34	13.02	12.40	0.04	0.15	0.54	0.69	0.05	0.49	0.54	4,256.38
Building Worker Trips	2.24	4.29	77.48	0.13	0.59	0.36	0.95	0.21	0.30	0.52	12,561.54
Time Slice 4/1/2015-4/30/2015 Active Days: 22	6.27	33.48	102.68	0.17	0.74	1.92	2.66	0.26	1.74	2.00	19,077.21
Building 01/01/2015-12/29/2017	6.27	33.48	102.68	0.17	0.74	1.92	2.66	0.26	1.74	2.00	19,077.21
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	1.34	13.02	12.40	0.04	0.15	0.54	0.69	0.05	0.49	0.54	4,256.38
Building Worker Trips	2.24	4.29	77.48	0.13	0.59	0.36	0.95	0.21	0.30	0.52	12,561.54
Time Slice 5/1/2015-12/31/2015 Active Days: 175	<u>19.41</u>	33.51	103.14	0.17	0.75	1.92	2.67	0.27	1.74	2.00	19,152.12
Building 01/01/2015-12/29/2017	6.27	33.48	102.68	0.17	0.74	1.92	2.66	0.26	1.74	2.00	19,077.21
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	1.34	13.02	12.40	0.04	0.15	0.54	0.69	0.05	0.49	0.54	4,256.38
Building Worker Trips	2.24	4.29	77.48	0.13	0.59	0.36	0.95	0.21	0.30	0.52	12,561.54
Coating 05/01/2015-12/29/2017	13.14	0.03	0.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.92
Architectural Coating	13.12	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	0.03	0.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.92

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Time Slice 1/1/2016-12/30/2016 Active Days: 261	<u>18.87</u>	<u>30.39</u>	<u>97.10</u>	<u>0.17</u>	<u>0.75</u>	<u>1.73</u>	<u>2.48</u>	<u>0.27</u>	<u>1.56</u>	<u>1.82</u>	<u>19,150.72</u>
Building 01/01/2015-12/29/2017	5.74	30.37	96.67	0.17	0.74	1.73	2.47	0.26	1.56	1.82	19,075.81
Building Off Road Diesel	2.47	14.84	12.61	0.00	0.00	0.88	0.88	0.00	0.81	0.81	2,259.28
Building Vendor Trips	1.22	11.56	11.51	0.04	0.15	0.48	0.63	0.05	0.44	0.49	4,256.44
Building Worker Trips	2.05	3.97	72.55	0.13	0.59	0.37	0.97	0.21	0.31	0.53	12,560.08
Coating 05/01/2015-12/29/2017	13.14	0.02	0.43	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.91
Architectural Coating	13.12	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	0.02	0.43	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.91
Time Slice 1/2/2017-12/29/2017 Active Days: 260	<u>18.38</u>	<u>27.66</u>	<u>91.39</u>	<u>0.17</u>	<u>0.75</u>	<u>1.57</u>	<u>2.32</u>	<u>0.27</u>	<u>1.41</u>	<u>1.68</u>	<u>19,149.82</u>
Building 01/01/2015-12/29/2017	5.25	27.64	90.98	0.17	0.74	1.57	2.31	0.26	1.41	1.68	19,074.92
Building Off Road Diesel	2.25	13.62	12.45	0.00	0.00	0.77	0.77	0.00	0.71	0.71	2,259.28
Building Vendor Trips	1.12	10.35	10.73	0.04	0.15	0.42	0.57	0.05	0.39	0.44	4,256.56
Building Worker Trips	1.88	3.67	67.81	0.13	0.59	0.37	0.97	0.21	0.31	0.53	12,559.08
Coating 05/01/2015-12/29/2017	13.14	0.02	0.40	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.90
Architectural Coating	13.12	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	0.02	0.40	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.90

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Phase Assumptions

Phase: Paving 1/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 47.92

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 1/1/2015 - 12/29/2017 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 5/1/2015 - 12/29/2017 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2015-2017.urb924

Project Name: Potrero Village 2015-2017

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2015 TOTALS (lbs/day unmitigated)	19.41	52.86	115.52	0.18	0.79	3.35	4.14	0.28	3.05	3.33	21,790.52
2016 TOTALS (lbs/day unmitigated)	18.87	30.39	97.10	0.17	0.75	1.73	2.48	0.27	1.56	1.82	19,150.72
2017 TOTALS (lbs/day unmitigated)	18.38	27.66	91.39	0.17	0.75	1.57	2.32	0.27	1.41	1.68	19,149.82

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2015-3/31/2015 Active Days: 64	11.07	<u>52.86</u>	<u>115.52</u>	<u>0.18</u>	<u>0.79</u>	<u>3.35</u>	<u>4.14</u>	<u>0.28</u>	<u>3.05</u>	<u>3.33</u>	<u>21,790.52</u>
Asphalt 01/01/2015-03/31/2015	4.80	19.38	12.84	0.01	0.05	1.43	1.47	0.02	1.31	1.33	2,713.31
Paving Off-Gas	1.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	2.38	14.65	9.98	0.00	0.00	1.25	1.25	0.00	1.15	1.15	1,418.81
Paving On Road Diesel	0.43	4.67	1.91	0.01	0.04	0.18	0.22	0.01	0.16	0.18	1,139.18
Paving Worker Trips	0.03	0.05	0.96	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.32
Building 01/01/2015-12/29/2017	6.27	33.48	102.68	0.17	0.74	1.92	2.66	0.26	1.74	2.00	19,077.21
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	1.34	13.02	12.40	0.04	0.15	0.54	0.69	0.05	0.49	0.54	4,256.38
Building Worker Trips	2.24	4.29	77.48	0.13	0.59	0.36	0.95	0.21	0.30	0.52	12,561.54
Time Slice 4/1/2015-4/30/2015 Active Days: 22	6.27	33.48	102.68	0.17	0.74	1.92	2.66	0.26	1.74	2.00	19,077.21
Building 01/01/2015-12/29/2017	6.27	33.48	102.68	0.17	0.74	1.92	2.66	0.26	1.74	2.00	19,077.21
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	1.34	13.02	12.40	0.04	0.15	0.54	0.69	0.05	0.49	0.54	4,256.38
Building Worker Trips	2.24	4.29	77.48	0.13	0.59	0.36	0.95	0.21	0.30	0.52	12,561.54
Time Slice 5/1/2015-12/31/2015 Active Days: 175	<u>19.41</u>	33.51	103.14	0.17	0.75	1.92	2.67	0.27	1.74	2.00	19,152.12
Building 01/01/2015-12/29/2017	6.27	33.48	102.68	0.17	0.74	1.92	2.66	0.26	1.74	2.00	19,077.21
Building Off Road Diesel	2.69	16.17	12.80	0.00	0.00	1.03	1.03	0.00	0.94	0.94	2,259.28
Building Vendor Trips	1.34	13.02	12.40	0.04	0.15	0.54	0.69	0.05	0.49	0.54	4,256.38
Building Worker Trips	2.24	4.29	77.48	0.13	0.59	0.36	0.95	0.21	0.30	0.52	12,561.54
Coating 05/01/2015-12/29/2017	13.14	0.03	0.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.92
Architectural Coating	13.12	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	0.03	0.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.92

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Time Slice 1/1/2016-12/30/2016 Active Days: 261	<u>18.87</u>	<u>30.39</u>	<u>97.10</u>	<u>0.17</u>	<u>0.75</u>	<u>1.73</u>	<u>2.48</u>	<u>0.27</u>	<u>1.56</u>	<u>1.82</u>	<u>19,150.72</u>
Building 01/01/2015-12/29/2017	5.74	30.37	96.67	0.17	0.74	1.73	2.47	0.26	1.56	1.82	19,075.81
Building Off Road Diesel	2.47	14.84	12.61	0.00	0.00	0.88	0.88	0.00	0.81	0.81	2,259.28
Building Vendor Trips	1.22	11.56	11.51	0.04	0.15	0.48	0.63	0.05	0.44	0.49	4,256.44
Building Worker Trips	2.05	3.97	72.55	0.13	0.59	0.37	0.97	0.21	0.31	0.53	12,560.08
Coating 05/01/2015-12/29/2017	13.14	0.02	0.43	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.91
Architectural Coating	13.12	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	0.02	0.43	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.91
Time Slice 1/2/2017-12/29/2017 Active Days: 260	<u>18.38</u>	<u>27.66</u>	<u>91.39</u>	<u>0.17</u>	<u>0.75</u>	<u>1.57</u>	<u>2.32</u>	<u>0.27</u>	<u>1.41</u>	<u>1.68</u>	<u>19,149.82</u>
Building 01/01/2015-12/29/2017	5.25	27.64	90.98	0.17	0.74	1.57	2.31	0.26	1.41	1.68	19,074.92
Building Off Road Diesel	2.25	13.62	12.45	0.00	0.00	0.77	0.77	0.00	0.71	0.71	2,259.28
Building Vendor Trips	1.12	10.35	10.73	0.04	0.15	0.42	0.57	0.05	0.39	0.44	4,256.56
Building Worker Trips	1.88	3.67	67.81	0.13	0.59	0.37	0.97	0.21	0.31	0.53	12,559.08
Coating 05/01/2015-12/29/2017	13.14	0.02	0.40	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.90
Architectural Coating	13.12	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	0.02	0.40	0.00	0.00	0.00	0.01	0.00	0.00	0.00	74.90

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Phase Assumptions

Phase: Paving 1/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 47.92

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 1/1/2015 - 12/29/2017 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 5/1/2015 - 12/29/2017 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2015-2017.urb924

Project Name: Potrero Village 2015-2017

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2015 TOTALS (tons/year unmitigated)	2.12	4.99	13.85	0.02	0.10	0.30	0.40	0.04	0.27	0.30	2,582.96
2016 TOTALS (tons/year unmitigated)	2.46	3.97	12.67	0.02	0.10	0.23	0.32	0.03	0.20	0.24	2,499.17
2017 TOTALS (tons/year unmitigated)	2.39	3.60	11.88	0.02	0.10	0.20	0.30	0.03	0.18	0.22	2,489.48

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2015 - 3/31/2015 - Default Paving Description

Acres to be Paved: 47.92

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 1/1/2015 - 12/29/2017 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 5/1/2015 - 12/29/2017 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Potrero Village
2018-2021

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2018-2021.urb924

Project Name: Potrero Village 2018-2021

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2018 TOTALS (lbs/day unmitigated)	43.73	70.21	340.46	0.73	3.18	4.55	7.72	1.13	4.04	5.18	74,262.27
2019 TOTALS (lbs/day unmitigated)	35.47	46.10	306.03	0.70	3.08	3.11	6.20	1.10	2.73	3.83	70,055.49
2020 TOTALS (lbs/day unmitigated)	34.51	42.36	286.15	0.70	3.08	2.97	6.05	1.10	2.59	3.70	70,054.05
2021 TOTALS (lbs/day unmitigated)	31.67	32.87	209.15	0.70	3.08	2.76	5.84	1.10	2.40	3.51	70,055.54

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2018-3/30/2018 Active Days: 65	<u>43.73</u>	<u>70.21</u>	<u>340.46</u>	<u>0.73</u>	<u>3.18</u>	<u>4.55</u>	<u>7.72</u>	<u>1.13</u>	<u>4.04</u>	<u>5.18</u>	<u>74,262.27</u>
Asphalt 01/01/2018-03/30/2018	7.27	19.75	13.74	0.03	0.09	1.24	1.34	0.03	1.14	1.17	4,204.79
Paving Off-Gas	4.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.97	12.02	9.79	0.00	0.00	0.96	0.96	0.00	0.89	0.89	1,418.81
Paving On Road Diesel	0.75	7.68	3.17	0.02	0.09	0.27	0.36	0.03	0.25	0.28	2,630.69
Paving Worker Trips	0.02	0.04	0.78	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.28
Building 01/01/2018-12/31/2021	12.45	50.44	326.20	0.70	3.08	3.30	6.38	1.10	2.90	4.00	69,953.27
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	2.49	22.50	24.31	0.10	0.36	0.92	1.28	0.12	0.84	0.96	10,285.64
Building Worker Trips	7.92	15.48	289.62	0.60	2.71	1.71	4.42	0.98	1.44	2.42	57,408.35
Coating 01/01/2018-12/31/2021	24.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Architectural Coating	24.00	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	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Time Slice 4/2/2018-12/31/2018 Active Days: 196	36.46	50.47	326.72	0.70	3.08	3.31	6.39	1.10	2.90	4.00	70,057.48
Building 01/01/2018-12/31/2021	12.45	50.44	326.20	0.70	3.08	3.30	6.38	1.10	2.90	4.00	69,953.27
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	2.49	22.50	24.31	0.10	0.36	0.92	1.28	0.12	0.84	0.96	10,285.64
Building Worker Trips	7.92	15.48	289.62	0.60	2.71	1.71	4.42	0.98	1.44	2.42	57,408.35
Coating 01/01/2018-12/31/2021	24.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Architectural Coating	24.00	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	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21

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Time Slice 1/1/2019-12/31/2019 Active Days: 261	<u>35.47</u>	<u>46.10</u>	<u>306.03</u>	<u>0.70</u>	<u>3.08</u>	<u>3.11</u>	<u>6.20</u>	<u>1.10</u>	<u>2.73</u>	<u>3.83</u>	<u>70,055.49</u>
Building 01/01/2018-12/31/2021	11.46	46.07	305.54	0.70	3.08	3.11	6.19	1.10	2.72	3.82	69,951.29
Building Off Road Diesel	1.88	11.39	12.14	0.00	0.00	0.57	0.57	0.00	0.52	0.52	2,259.28
Building Vendor Trips	2.31	20.41	22.78	0.10	0.36	0.84	1.20	0.12	0.76	0.88	10,286.06
Building Worker Trips	7.27	14.27	270.62	0.60	2.71	1.71	4.42	0.98	1.44	2.42	57,405.94
Coating 01/01/2018-12/31/2021	24.01	0.03	0.49	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Architectural Coating	24.00	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	0.03	0.49	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Time Slice 1/1/2020-12/31/2020 Active Days: 262	<u>34.51</u>	<u>42.36</u>	<u>286.15</u>	<u>0.70</u>	<u>3.08</u>	<u>2.97</u>	<u>6.05</u>	<u>1.10</u>	<u>2.59</u>	<u>3.70</u>	<u>70,054.05</u>
Building 01/01/2018-12/31/2021	10.50	42.33	285.70	0.70	3.08	2.97	6.05	1.10	2.59	3.69	69,949.85
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.15	18.64	21.41	0.10	0.36	0.76	1.12	0.12	0.70	0.82	10,286.50
Building Worker Trips	6.65	13.19	252.26	0.60	2.71	1.71	4.42	0.98	1.44	2.42	57,404.07
Coating 01/01/2018-12/31/2021	24.01	0.02	0.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.20
Architectural Coating	24.00	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	0.02	0.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.20
Time Slice 1/1/2021-12/31/2021 Active Days: 261	<u>31.67</u>	<u>32.87</u>	<u>209.15</u>	<u>0.70</u>	<u>3.08</u>	<u>2.76</u>	<u>5.84</u>	<u>1.10</u>	<u>2.40</u>	<u>3.51</u>	<u>70,055.54</u>
Building 01/01/2018-12/31/2021	7.67	32.85	208.83	0.70	3.08	2.76	5.83	1.10	2.40	3.50	69,951.34
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.62	13.32	16.46	0.10	0.36	0.56	0.92	0.12	0.51	0.63	10,288.75
Building Worker Trips	4.34	9.03	180.34	0.60	2.71	1.70	4.42	0.98	1.44	2.42	57,403.30
Coating 01/01/2018-12/31/2021	24.00	0.02	0.33	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.20
Architectural Coating	24.00	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	0.02	0.33	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.20

Page: 1

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Phase Assumptions

Phase: Paving 1/1/2018 - 3/30/2018 - Type Your Description Here

Acres to be Paved: 112.39

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 1/1/2018 - 12/31/2021 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/1/2018 - 12/31/2021 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2018-2021.urb924

Project Name: Potrero Village 2018-2021

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2018 TOTALS (lbs/day unmitigated)	43.73	70.21	340.46	0.73	3.18	4.55	7.72	1.13	4.04	5.18	74,262.27
2019 TOTALS (lbs/day unmitigated)	35.47	46.10	306.03	0.70	3.08	3.11	6.20	1.10	2.73	3.83	70,055.49
2020 TOTALS (lbs/day unmitigated)	34.51	42.36	286.15	0.70	3.08	2.97	6.05	1.10	2.59	3.70	70,054.05
2021 TOTALS (lbs/day unmitigated)	31.67	32.87	209.15	0.70	3.08	2.76	5.84	1.10	2.40	3.51	70,055.54

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2018-3/30/2018 Active Days: 65	<u>43.73</u>	<u>70.21</u>	<u>340.46</u>	<u>0.73</u>	<u>3.18</u>	<u>4.55</u>	<u>7.72</u>	<u>1.13</u>	<u>4.04</u>	<u>5.18</u>	<u>74,262.27</u>
Asphalt 01/01/2018-03/30/2018	7.27	19.75	13.74	0.03	0.09	1.24	1.34	0.03	1.14	1.17	4,204.79
Paving Off-Gas	4.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.97	12.02	9.79	0.00	0.00	0.96	0.96	0.00	0.89	0.89	1,418.81
Paving On Road Diesel	0.75	7.68	3.17	0.02	0.09	0.27	0.36	0.03	0.25	0.28	2,630.69
Paving Worker Trips	0.02	0.04	0.78	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.28
Building 01/01/2018-12/31/2021	12.45	50.44	326.20	0.70	3.08	3.30	6.38	1.10	2.90	4.00	69,953.27
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	2.49	22.50	24.31	0.10	0.36	0.92	1.28	0.12	0.84	0.96	10,285.64
Building Worker Trips	7.92	15.48	289.62	0.60	2.71	1.71	4.42	0.98	1.44	2.42	57,408.35
Coating 01/01/2018-12/31/2021	24.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Architectural Coating	24.00	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	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Time Slice 4/2/2018-12/31/2018 Active Days: 196	36.46	50.47	326.72	0.70	3.08	3.31	6.39	1.10	2.90	4.00	70,057.48
Building 01/01/2018-12/31/2021	12.45	50.44	326.20	0.70	3.08	3.30	6.38	1.10	2.90	4.00	69,953.27
Building Off Road Diesel	2.03	12.45	12.26	0.00	0.00	0.67	0.67	0.00	0.62	0.62	2,259.28
Building Vendor Trips	2.49	22.50	24.31	0.10	0.36	0.92	1.28	0.12	0.84	0.96	10,285.64
Building Worker Trips	7.92	15.48	289.62	0.60	2.71	1.71	4.42	0.98	1.44	2.42	57,408.35
Coating 01/01/2018-12/31/2021	24.01	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Architectural Coating	24.00	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	0.03	0.53	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21

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Time Slice 1/1/2019-12/31/2019 Active Days: 261	<u>35.47</u>	<u>46.10</u>	<u>306.03</u>	<u>0.70</u>	<u>3.08</u>	<u>3.11</u>	<u>6.20</u>	<u>1.10</u>	<u>2.73</u>	<u>3.83</u>	<u>70,055.49</u>
Building 01/01/2018-12/31/2021	11.46	46.07	305.54	0.70	3.08	3.11	6.19	1.10	2.72	3.82	69,951.29
Building Off Road Diesel	1.88	11.39	12.14	0.00	0.00	0.57	0.57	0.00	0.52	0.52	2,259.28
Building Vendor Trips	2.31	20.41	22.78	0.10	0.36	0.84	1.20	0.12	0.76	0.88	10,286.06
Building Worker Trips	7.27	14.27	270.62	0.60	2.71	1.71	4.42	0.98	1.44	2.42	57,405.94
Coating 01/01/2018-12/31/2021	24.01	0.03	0.49	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Architectural Coating	24.00	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	0.03	0.49	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.21
Time Slice 1/1/2020-12/31/2020 Active Days: 262	<u>34.51</u>	<u>42.36</u>	<u>286.15</u>	<u>0.70</u>	<u>3.08</u>	<u>2.97</u>	<u>6.05</u>	<u>1.10</u>	<u>2.59</u>	<u>3.70</u>	<u>70,054.05</u>
Building 01/01/2018-12/31/2021	10.50	42.33	285.70	0.70	3.08	2.97	6.05	1.10	2.59	3.69	69,949.85
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.15	18.64	21.41	0.10	0.36	0.76	1.12	0.12	0.70	0.82	10,286.50
Building Worker Trips	6.65	13.19	252.26	0.60	2.71	1.71	4.42	0.98	1.44	2.42	57,404.07
Coating 01/01/2018-12/31/2021	24.01	0.02	0.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.20
Architectural Coating	24.00	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	0.02	0.46	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.20
Time Slice 1/1/2021-12/31/2021 Active Days: 261	<u>31.67</u>	<u>32.87</u>	<u>209.15</u>	<u>0.70</u>	<u>3.08</u>	<u>2.76</u>	<u>5.84</u>	<u>1.10</u>	<u>2.40</u>	<u>3.51</u>	<u>70,055.54</u>
Building 01/01/2018-12/31/2021	7.67	32.85	208.83	0.70	3.08	2.76	5.83	1.10	2.40	3.50	69,951.34
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.62	13.32	16.46	0.10	0.36	0.56	0.92	0.12	0.51	0.63	10,288.75
Building Worker Trips	4.34	9.03	180.34	0.60	2.71	1.70	4.42	0.98	1.44	2.42	57,403.30
Coating 01/01/2018-12/31/2021	24.00	0.02	0.33	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.20
Architectural Coating	24.00	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	0.02	0.33	0.00	0.00	0.00	0.01	0.00	0.00	0.00	104.20

Phase Assumptions

Phase: Paving 1/1/2018 - 3/30/2018 - Type Your Description Here

Acres to be Paved: 112.39

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 1/1/2018 - 12/31/2021 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 1/1/2018 - 12/31/2021 - Default Architectural Coating Description

- Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100
- Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50
- Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250
- Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100
- 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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2018-2021.urb924

Project Name: Potrero Village 2018-2021

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2018 TOTALS (tons/year unmitigated)	4.99	7.23	43.08	0.09	0.41	0.47	0.88	0.15	0.42	0.56	9,279.16
2019 TOTALS (tons/year unmitigated)	4.63	6.02	39.94	0.09	0.40	0.41	0.81	0.14	0.36	0.50	9,142.24
2020 TOTALS (tons/year unmitigated)	4.52	5.55	37.49	0.09	0.40	0.39	0.79	0.14	0.34	0.48	9,177.08
2021 TOTALS (tons/year unmitigated)	4.13	4.29	27.29	0.09	0.40	0.36	0.76	0.14	0.31	0.46	9,142.25

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2018 - 3/30/2018 - Type Your Description Here

Acres to be Paved: 112.39

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 1/1/2018 - 12/31/2021 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 1/1/2018 - 12/31/2021 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Potrero Village
2022-2026

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2022-2026.urb924

Project Name: Potrero Village 2022-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2022 TOTALS (lbs/day unmitigated)	46.28	56.77	217.13	0.75	3.20	3.97	7.17	1.14	3.53	4.66	76,633.20
2023 TOTALS (lbs/day unmitigated)	38.96	41.14	204.87	0.72	3.09	2.99	6.09	1.10	2.62	3.73	72,118.93
2024 TOTALS (lbs/day unmitigated)	38.96	41.14	204.87	0.72	3.09	2.99	6.09	1.10	2.62	3.73	72,118.93
2025 TOTALS (lbs/day unmitigated)	38.96	41.14	204.87	0.72	3.09	2.99	6.09	1.10	2.62	3.73	72,118.93
2026 TOTALS (lbs/day unmitigated)	37.23	35.47	163.63	0.72	3.09	2.86	5.95	1.10	2.50	3.61	72,124.36

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/3/2022-3/31/2022 Active Days: 64	46.28	56.77	217.13	0.75	3.20	3.97	7.17	1.14	3.53	4.66	76,633.20
Asphalt 01/03/2022-03/31/2022	7.32	15.63	12.26	0.03	0.11	0.98	1.09	0.03	0.90	0.94	4,514.27
Paving Off-Gas	5.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.70	10.53	9.66	0.00	0.00	0.82	0.82	0.00	0.75	0.75	1,418.81
Paving On Road Diesel	0.55	5.07	2.12	0.03	0.10	0.16	0.25	0.03	0.14	0.18	2,940.19
Paving Worker Trips	0.01	0.02	0.49	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.27
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Time Slice 4/1/2022-12/30/2022 Active Days: 196	38.96	41.14	204.87	0.72	3.09	2.99	6.09	1.10	2.62	3.73	72,118.93
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22

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Time Slice 1/2/2023-12/29/2023 Active Days: 260	<u>38.96</u>	<u>41.14</u>	<u>204.87</u>	<u>0.72</u>	<u>3.09</u>	<u>2.99</u>	<u>6.09</u>	<u>1.10</u>	<u>2.62</u>	<u>3.73</u>	<u>72,118.93</u>
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Time Slice 1/1/2024-12/31/2024 Active Days: 262	<u>38.96</u>	<u>41.14</u>	<u>204.87</u>	<u>0.72</u>	<u>3.09</u>	<u>2.99</u>	<u>6.09</u>	<u>1.10</u>	<u>2.62</u>	<u>3.73</u>	<u>72,118.93</u>
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Time Slice 1/1/2025-12/31/2025 Active Days: 261	<u>38.96</u>	<u>41.14</u>	<u>204.87</u>	<u>0.72</u>	<u>3.09</u>	<u>2.99</u>	<u>6.09</u>	<u>1.10</u>	<u>2.62</u>	<u>3.73</u>	<u>72,118.93</u>
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Time Slice 1/1/2026-12/31/2026 Active Days: 261	<u>37.23</u>	<u>35.47</u>	<u>163.63</u>	<u>0.72</u>	<u>3.09</u>	<u>2.86</u>	<u>5.95</u>	<u>1.10</u>	<u>2.50</u>	<u>3.61</u>	<u>72,124.36</u>
Building 01/03/2022-12/31/2026	6.67	35.46	163.31	0.71	3.09	2.86	5.94	1.10	2.50	3.60	71,993.13
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.33	18.92	23.38	0.16	0.61	0.80	1.41	0.21	0.73	0.93	17,274.49
Building Worker Trips	2.64	6.04	127.90	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,459.36
Coating 01/03/2022-12/31/2026	30.56	0.02	0.32	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.23
Architectural Coating	30.55	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	0.02	0.32	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.23

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Phase Assumptions

Phase: Paving 1/3/2022 - 3/31/2022 - Default Paving Description

Acres to be Paved: 123.68

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 1/3/2022 - 12/31/2026 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/3/2022 - 12/31/2026 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aq\Newhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2022-2026.urb924

Project Name: Potrero Village 2022-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2022 TOTALS (lbs/day unmitigated)	46.28	56.77	217.13	0.75	3.20	3.97	7.17	1.14	3.53	4.66	76,633.20
2023 TOTALS (lbs/day unmitigated)	38.96	41.14	204.87	0.72	3.09	2.99	6.09	1.10	2.62	3.73	72,118.93
2024 TOTALS (lbs/day unmitigated)	38.96	41.14	204.87	0.72	3.09	2.99	6.09	1.10	2.62	3.73	72,118.93
2025 TOTALS (lbs/day unmitigated)	38.96	41.14	204.87	0.72	3.09	2.99	6.09	1.10	2.62	3.73	72,118.93
2026 TOTALS (lbs/day unmitigated)	37.23	35.47	163.63	0.72	3.09	2.86	5.95	1.10	2.50	3.61	72,124.36

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/3/2022-3/31/2022 Active Days: 64	<u>46.28</u>	<u>56.77</u>	<u>217.13</u>	<u>0.75</u>	<u>3.20</u>	<u>3.97</u>	<u>7.17</u>	<u>1.14</u>	<u>3.53</u>	<u>4.66</u>	<u>76,633.20</u>
Asphalt 01/03/2022-03/31/2022	7.32	15.63	12.26	0.03	0.11	0.98	1.09	0.03	0.90	0.94	4,514.27
Paving Off-Gas	5.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.70	10.53	9.66	0.00	0.00	0.82	0.82	0.00	0.75	0.75	1,418.81
Paving On Road Diesel	0.55	5.07	2.12	0.03	0.10	0.16	0.25	0.03	0.14	0.18	2,940.19
Paving Worker Trips	0.01	0.02	0.49	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.27
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Time Slice 4/1/2022-12/30/2022 Active Days: 196	38.96	41.14	204.87	0.72	3.09	2.99	6.09	1.10	2.62	3.73	72,118.93
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22

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Time Slice 1/2/2023-12/29/2023 Active Days: 260	<u>38.96</u>	<u>41.14</u>	<u>204.87</u>	<u>0.72</u>	<u>3.09</u>	<u>2.99</u>	<u>6.09</u>	<u>1.10</u>	<u>2.62</u>	<u>3.73</u>	<u>72,118.93</u>
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Time Slice 1/1/2024-12/31/2024 Active Days: 262	<u>38.96</u>	<u>41.14</u>	<u>204.87</u>	<u>0.72</u>	<u>3.09</u>	<u>2.99</u>	<u>6.09</u>	<u>1.10</u>	<u>2.62</u>	<u>3.73</u>	<u>72,118.93</u>
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
Building Worker Trips	3.97	8.25	164.80	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,456.57
Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Architectural Coating	30.55	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	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Time Slice 1/1/2025-12/31/2025 Active Days: 261	<u>38.96</u>	<u>41.14</u>	<u>204.87</u>	<u>0.72</u>	<u>3.09</u>	<u>2.99</u>	<u>6.09</u>	<u>1.10</u>	<u>2.62</u>	<u>3.73</u>	<u>72,118.93</u>
Building 01/03/2022-12/31/2026	8.40	41.12	204.46	0.71	3.09	2.99	6.08	1.10	2.62	3.72	71,987.71
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.72	22.37	27.63	0.16	0.61	0.94	1.54	0.21	0.85	1.05	17,271.86
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Coating 01/03/2022-12/31/2026	30.56	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
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Coating Worker Trips	0.01	0.02	0.41	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.22
Time Slice 1/1/2026-12/31/2026 Active Days: 261	<u>37.23</u>	<u>35.47</u>	<u>163.63</u>	<u>0.72</u>	<u>3.09</u>	<u>2.86</u>	<u>5.95</u>	<u>1.10</u>	<u>2.50</u>	<u>3.61</u>	<u>72,124.36</u>
Building 01/03/2022-12/31/2026	6.67	35.46	163.31	0.71	3.09	2.86	5.94	1.10	2.50	3.60	71,993.13
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	2.33	18.92	23.38	0.16	0.61	0.80	1.41	0.21	0.73	0.93	17,274.49
Building Worker Trips	2.64	6.04	127.90	0.55	2.48	1.56	4.04	0.90	1.32	2.21	52,459.36
Coating 01/03/2022-12/31/2026	30.56	0.02	0.32	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.23
Architectural Coating	30.55	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	0.02	0.32	0.00	0.01	0.00	0.01	0.00	0.00	0.01	131.23

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Phase Assumptions

Phase: Paving 1/3/2022 - 3/31/2022 - Default Paving Description

Acres to be Paved: 123.68

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 1/3/2022 - 12/31/2026 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 7 hours per day
- 3 Forklifts (145 hp) operating at a 0.3 load factor for 8 hours per day
- 1 Generator Sets (49 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 1/3/2022 - 12/31/2026 - Default Architectural Coating Description

- Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100
- Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50
- Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250
- Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100
- 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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2022-2026.urb924

Project Name: Potrero Village 2022-2026

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2022 TOTALS (tons/year unmitigated)	5.30	5.85	27.03	0.09	0.41	0.42	0.83	0.14	0.37	0.51	9,519.92
2023 TOTALS (tons/year unmitigated)	5.06	5.35	26.63	0.09	0.40	0.39	0.79	0.14	0.34	0.48	9,375.46
2024 TOTALS (tons/year unmitigated)	5.10	5.39	26.84	0.09	0.41	0.39	0.80	0.14	0.34	0.49	9,447.58
2025 TOTALS (tons/year unmitigated)	5.08	5.37	26.74	0.09	0.40	0.39	0.79	0.14	0.34	0.49	9,411.52
2026 TOTALS (tons/year unmitigated)	4.86	4.63	21.35	0.09	0.40	0.37	0.78	0.14	0.33	0.47	9,412.23

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/3/2022 - 3/31/2022 - Default Paving Description

Acres to be Paved: 123.68

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 1/3/2022 - 12/31/2026 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/3/2022 - 12/31/2026 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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

Construction Emissions
URBEMIS2007 Building Construction Emissions
Potrero Village
2027-2030

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2027-2030.urb924

Project Name: Potrero Village 2027-2030

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2027 TOTALS (lbs/day unmitigated)	27.61	36.43	89.81	0.34	1.43	2.50	3.93	0.51	2.24	2.75	36,988.64
2028 TOTALS (lbs/day unmitigated)	24.25	24.59	79.24	0.33	1.40	1.63	3.03	0.50	1.45	1.94	34,538.05
2029 TOTALS (lbs/day unmitigated)	24.25	24.59	79.24	0.33	1.40	1.63	3.03	0.50	1.45	1.94	34,538.05
2030 TOTALS (lbs/day unmitigated)	24.25	24.59	79.24	0.33	1.40	1.63	3.03	0.50	1.45	1.94	34,538.05

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2027-3/31/2027 Active Days: 64	<u>27.61</u>	<u>36.43</u>	<u>89.81</u>	<u>0.34</u>	<u>1.43</u>	<u>2.50</u>	<u>3.93</u>	<u>0.51</u>	<u>2.24</u>	<u>2.75</u>	<u>36,988.64</u>
Asphalt 01/01/2027-03/31/2027	3.36	11.84	10.57	0.01	0.04	0.86	0.90	0.01	0.79	0.80	2,450.58
Paving Off-Gas	1.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.70	10.53	9.66	0.00	0.00	0.82	0.82	0.00	0.75	0.75	1,418.81
Paving On Road Diesel	0.14	1.29	0.54	0.01	0.03	0.04	0.07	0.01	0.03	0.04	876.49
Paving Worker Trips	0.01	0.02	0.38	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.27
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Time Slice 4/1/2027-12/31/2027 Active Days: 197	24.25	24.59	79.24	0.33	1.40	1.63	3.03	0.50	1.45	1.94	34,538.05
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33

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Time Slice 1/3/2028-12/29/2028 Active Days: 260	<u>24.25</u>	<u>24.59</u>	<u>79.24</u>	<u>0.33</u>	<u>1.40</u>	<u>1.63</u>	<u>3.03</u>	<u>0.50</u>	<u>1.45</u>	<u>1.94</u>	<u>34,538.05</u>
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Time Slice 1/1/2029-12/31/2029 Active Days: 261	<u>24.25</u>	<u>24.59</u>	<u>79.24</u>	<u>0.33</u>	<u>1.40</u>	<u>1.63</u>	<u>3.03</u>	<u>0.50</u>	<u>1.45</u>	<u>1.94</u>	<u>34,538.05</u>
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Time Slice 1/1/2030-8/30/2030 Active Days: 174	<u>24.25</u>	<u>24.59</u>	<u>79.24</u>	<u>0.33</u>	<u>1.40</u>	<u>1.63</u>	<u>3.03</u>	<u>0.50</u>	<u>1.45</u>	<u>1.94</u>	<u>34,538.05</u>
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Time Slice 9/2/2030-12/31/2030 Active Days: 87	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33

Phase Assumptions

Phase: Paving 1/1/2027 - 3/31/2027 - Default Paving Description

Acres to be Paved: 36.87

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 1/1/2027 - 8/30/2030 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/1/2027 - 12/31/2030 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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 Winter Emissions Reports (Pounds/Day)

File Name: Z:\Glu\aq\Newhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2027-2030.urb924

Project Name: Potrero Village 2027-2030

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2027 TOTALS (lbs/day unmitigated)	27.61	36.43	89.81	0.34	1.43	2.50	3.93	0.51	2.24	2.75	36,988.64
2028 TOTALS (lbs/day unmitigated)	24.25	24.59	79.24	0.33	1.40	1.63	3.03	0.50	1.45	1.94	34,538.05
2029 TOTALS (lbs/day unmitigated)	24.25	24.59	79.24	0.33	1.40	1.63	3.03	0.50	1.45	1.94	34,538.05
2030 TOTALS (lbs/day unmitigated)	24.25	24.59	79.24	0.33	1.40	1.63	3.03	0.50	1.45	1.94	34,538.05

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Construction Unmitigated Detail Report:

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</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
Time Slice 1/1/2027-3/31/2027 Active Days: 64	<u>27.61</u>	<u>36.43</u>	<u>89.81</u>	<u>0.34</u>	<u>1.43</u>	<u>2.50</u>	<u>3.93</u>	<u>0.51</u>	<u>2.24</u>	<u>2.75</u>	<u>36,988.64</u>
Asphalt 01/01/2027-03/31/2027	3.36	11.84	10.57	0.01	0.04	0.86	0.90	0.01	0.79	0.80	2,450.58
Paving Off-Gas	1.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.70	10.53	9.66	0.00	0.00	0.82	0.82	0.00	0.75	0.75	1,418.81
Paving On Road Diesel	0.14	1.29	0.54	0.01	0.03	0.04	0.07	0.01	0.03	0.04	876.49
Paving Worker Trips	0.01	0.02	0.38	0.00	0.01	0.00	0.01	0.00	0.00	0.01	155.27
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Time Slice 4/1/2027-12/31/2027 Active Days: 197	24.25	24.59	79.24	0.33	1.40	1.63	3.03	0.50	1.45	1.94	34,538.05
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33

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Time Slice 1/3/2028-12/29/2028 Active Days: 260	<u>24.25</u>	<u>24.59</u>	<u>79.24</u>	<u>0.33</u>	<u>1.40</u>	<u>1.63</u>	<u>3.03</u>	<u>0.50</u>	<u>1.45</u>	<u>1.94</u>	<u>34,538.05</u>
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Time Slice 1/1/2029-12/31/2029 Active Days: 261	<u>24.25</u>	<u>24.59</u>	<u>79.24</u>	<u>0.33</u>	<u>1.40</u>	<u>1.63</u>	<u>3.03</u>	<u>0.50</u>	<u>1.45</u>	<u>1.94</u>	<u>34,538.05</u>
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Time Slice 1/1/2030-8/30/2030 Active Days: 174	<u>24.25</u>	<u>24.59</u>	<u>79.24</u>	<u>0.33</u>	<u>1.40</u>	<u>1.63</u>	<u>3.03</u>	<u>0.50</u>	<u>1.45</u>	<u>1.94</u>	<u>34,538.05</u>
Building 01/01/2027-08/30/2030	4.22	24.58	79.04	0.33	1.39	1.63	3.02	0.49	1.45	1.94	34,455.72
Building Off Road Diesel	1.71	10.50	12.03	0.00	0.00	0.50	0.50	0.00	0.46	0.46	2,259.28
Building Vendor Trips	1.43	11.59	14.32	0.10	0.37	0.49	0.86	0.13	0.45	0.57	10,586.69
Building Worker Trips	1.09	2.49	52.69	0.23	1.02	0.64	1.66	0.37	0.54	0.91	21,609.75
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Time Slice 9/2/2030-12/31/2030 Active Days: 87	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Coating 01/01/2027-12/31/2030	20.03	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33
Architectural Coating	20.03	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	0.01	0.20	0.00	0.00	0.00	0.01	0.00	0.00	0.00	82.33

Phase Assumptions

Phase: Paving 1/1/2027 - 3/31/2027 - Default Paving Description

Acres to be Paved: 36.87

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 1/1/2027 - 8/30/2030 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/1/2027 - 12/31/2030 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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: Z:\Glu\aqNewhall\January 08R (New Construction)\08R URBEMIS2007 Construction\Potrero (4)\Potrero Village 2027-2030.urb924

Project Name: Potrero Village 2027-2030

Project Location: Los Angeles County

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

Off-Road Vehicle Emissions Based on: OFFROAD2007

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>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2027 TOTALS (tons/year unmitigated)	3.27	3.59	10.68	0.04	0.18	0.24	0.42	0.07	0.21	0.28	4,585.63
2028 TOTALS (tons/year unmitigated)	3.15	3.20	10.30	0.04	0.18	0.21	0.39	0.06	0.19	0.25	4,489.95
2029 TOTALS (tons/year unmitigated)	3.17	3.21	10.34	0.04	0.18	0.21	0.40	0.06	0.19	0.25	4,507.22
2030 TOTALS (tons/year unmitigated)	2.98	2.14	6.90	0.03	0.12	0.14	0.26	0.04	0.13	0.17	3,008.39

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

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Phase Assumptions

Phase: Paving 1/1/2027 - 3/31/2027 - Default Paving Description

Acres to be Paved: 36.87

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 1/1/2027 - 8/30/2030 - Default Building Construction Description

Off-Road Equipment:

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

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

1 Generator Sets (49 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 1/1/2027 - 12/31/2030 - Default Architectural Coating Description

Rule: Residential Interior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 100

Rule: Residential Interior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 50

Rule: Residential Exterior Coatings begins 1/1/2005 ends 6/30/2008 specifies a VOC of 250

Rule: Residential Exterior Coatings begins 7/1/2008 ends 12/31/2040 specifies a VOC of 100

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