

**Rincon Phase 2 Decommissioning
Island Decommissioning**

OFF-ROAD SOURCES

Source	Fuel	BHP	Number	Average Hours/Day	Emission Factors: pounds/BHP-hr ^{1,3}								Pounds/Day								Total Days	Total English Tons							
					NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O
Excavator	Diesel	310	2	8	0.00096	0.00012	0.00003	0.00003	0.00093	0.44493	0.000023	0.000011	4.76	0.60	0.15	0.15	4.61	2206.9	0.114	0.056	198	0.471	0.059	0.015	0.015	0.457	218.5	0.011	0.006
Drill rig (dewatering wells)	Diesel	175	0	0	0.00115	0.00014	0.00005	0.00005	0.00328	0.58943	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grader	Diesel	290	0	0	0.00262	0.00024	0.00009	0.00008	0.00114	0.47565	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Backhoe	Diesel	104	0	0	0.00178	0.00017	0.00008	0.00007	0.00284	0.43052	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dozer (D8)	Diesel	355	1	8	0.00321	0.00029	0.00013	0.00012	0.00172	0.49864	0.000023	0.000011	9.12	0.82	0.37	0.34	4.88	1416.1	0.065	0.032	201	0.916	0.083	0.037	0.034	0.491	142.3	0.007	0.003
Generator (pumps)	Diesel	50	0	0	0.00129	0.00011	0.00011	0.00010	0.00258	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vibratory soil compactor	Diesel	74	1	8	0.01245	0.00155	0.00089	0.00082	0.00508	0.43658	0.000023	0.000011	7.37	0.92	0.53	0.49	3.01	258.5	0.014	0.007	15	0.055	0.007	0.004	0.004	0.023	1.9	0.000	0.000
Light plant	Diesel	15	0	0	0.00183	0.00019	0.00002	0.00002	0.00254	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Air compressor (185 cfm)	Diesel	50	0	0	0.00179	0.00014	0.00002	0.00002	0.00235	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Welding machine	Diesel	20	0	0	0.00447	0.00061	0.00021	0.00019	0.00285	0.56383	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wheeled loader	Diesel	240	2	8	0.00142	0.00015	0.00005	0.00004	0.00093	0.42010	0.000023	0.000011	5.45	0.58	0.19	0.15	3.57	1613.2	0.088	0.043	217	0.592	0.062	0.021	0.017	0.387	175.0	0.010	0.005
Crane (mobile)	Diesel	350	1	8	0.00200	0.00019	0.00008	0.00008	0.00107	0.33508	0.000023	0.000011	5.60	0.53	0.22	0.22	3.00	938.2	0.064	0.032	2	0.006	0.001	0.000	0.000	0.003	0.9	0.000	0.000
Concrete pump	Diesel	250	0	0	0.00009	0.00011	0.00001	0.00001	0.00081	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
													32.30	3.44	1.46	1.35	19.07	6432.9	0.346	0.170		2.040	0.212	0.077	0.070	1.361	538.7	0.0276	0.0136

ON-ROAD SOURCES

On Road Sources	Miles/One-way Trip	Average Daily One-way Trips	Emission Factors, grams/mile ²								Pounds/Day								Total Days	Total English Tons							
			NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O
Light-duty truck (workers)	20	24	0.15737	0.03421	0.00200	0.00184	1.78040	294.21	0.00882	0.00720	0.1665	0.0362	0.0021	0.0019	1.8840	311.3	0.0093	0.0076	231	0.019	0.004	0.000	0.000	0.218	36.0	0.001	0.001
Heavy-duty truck (structural debris to Std Industries)	23	2.48	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.1500	0.0012	0.0013	0.0013	0.0139	180.0	0.0004	0.0188	25	0.002	0.000	0.000	0.000	0.000	2.2	0.000	0.000
Heavy-duty truck (pavement to State Ready Mix)	26	3.1	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.2119	0.0017	0.0019	0.0018	0.0197	254.3	0.0005	0.0266	20	0.002	0.000	0.000	0.000	0.000	2.5	0.000	0.000
Heavy-duty truck (contaminated soil to WM)	50	10.32	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	1.3568	0.0109	0.0119	0.0114	0.1261	1627.9	0.0035	0.1702	186	0.126	0.001	0.001	0.001	0.012	151.4	0.000	0.016
Heavy-duty truck (clean soil from Grimes Rock)	41	10.32	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	1.1126	0.0089	0.0098	0.0094	0.1034	1334.9	0.0029	0.1395	186	0.103	0.001	0.001	0.001	0.010	124.1	0.000	0.013
Heavy-duty truck (contaminated water to World Oil)	95	2	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.4996	0.0040	0.0044	0.0042	0.0464	599.4	0.0013	0.0627	10	0.002	0.000	0.000	0.000	0.000	3.0	0.000	0.000
Totals =>											3.4975	0.0629	0.0314	0.0300	2.1935	4307.9	0.0179	0.4254		0.2554	0.0061	0.0023	0.0022	0.2395	319.3	0.0017	0.0305

Off-Road & On-Road Source Totals 35.799 3.507 1.492 1.383 21.266 10740.726 0.3637 0.5951 2.2955 0.2177 0.0792 0.0717 1.6002 858.0 0.0293 0.0441

Notes:

¹ Onshore equipment emission factors from OFFROAD 2021 model for Ventura County, year 2024

² On-road emission factors from EMFAC 2021 model for Ventura County, year 2024

Greenhouse Gas Emissions Summary

Metric Tons	766.1	0.026	0.039
CO2E	766.1	0.730	10.740
Total CO2E	777.5		

**Rincon Phase 2 Decommissioning
SCC Parcel Improvements**

OFF-ROAD SOURCES

Source	Fuel	BHP	Number	Average Hours/Day	Emission Factors: pounds/BHP-hr ^{1,3}								Pounds/Day								Total Days	Total English Tons							
					NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O
Excavator	Diesel	310	2	8	0.00096	0.00012	0.00003	0.00003	0.00093	0.44493	0.000023	0.000011	4.76	0.60	0.15	0.15	4.61	2206.9	0.114	0.056	20	0.048	0.006	0.001	0.001	0.046	22.1	0.001	0.001
Drill rig (dewatering wells)	Diesel	175	0	0	0.00115	0.00014	0.00005	0.00005	0.00328	0.58943	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Grader	Diesel	290	0	0	0.00262	0.00024	0.00009	0.00008	0.00114	0.47565	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Backhoe	Diesel	104	0	0	0.00178	0.00017	0.00008	0.00007	0.00284	0.43052	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dozer (D8)	Diesel	355	0	0	0.00321	0.00029	0.00013	0.00012	0.00172	0.49864	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Generator (pumps)	Diesel	50	0	0	0.00129	0.00011	0.00011	0.00010	0.00258	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vibratory soil compactor	Diesel	74	0	0	0.01245	0.00155	0.00089	0.00082	0.00508	0.43658	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Light plant	Diesel	15	0	0	0.00183	0.00019	0.00002	0.00002	0.00254	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Air compressor (185 cfm)	Diesel	50	0	0	0.00179	0.00014	0.00002	0.00002	0.00235	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Welding machine	Diesel	20	0	0	0.00447	0.00061	0.00021	0.00019	0.00285	0.56383	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wheeled loader	Diesel	240	1	8	0.00142	0.00015	0.00005	0.00004	0.00093	0.42010	0.000023	0.000011	2.73	0.29	0.10	0.08	1.79	806.6	0.044	0.022	20	0.027	0.003	0.001	0.001	0.018	8.1	0.000	0.000
Crane (mobile)	Diesel	350	1	4	0.00200	0.00019	0.00008	0.00008	0.00107	0.33508	0.000023	0.000011	2.80	0.27	0.11	0.11	1.50	469.1	0.032	0.016	2	0.003	0.000	0.000	0.000	0.001	0.5	0.000	0.000
Concrete pump	Diesel	250	0	0	0.00009	0.00011	0.00001	0.00001	0.00081	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
													10.29	1.15	0.36	0.34	7.90	3482.6	0.190	0.094		0.078	0.009	0.003	0.002	0.065	30.6	0.0016	0.0008

ON-ROAD SOURCES

On Road Sources	Miles/One-way Trip	Average Daily One-way Trips	Emission Factors, grams/mile ²								Pounds/Day								Total Days	Total English Tons								
			NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	
Light-duty truck (workers)	20	12	0.15737	0.03421	0.00200	0.00184	1.78040	294.21	0.00882	0.00720	0.0833	0.0181	0.0011	0.0010	0.9420	155.7	0.0047	0.0038	20	0.001	0.000	0.000	0.000	0.009	1.6	0.000	0.000	
Heavy-duty truck (debris/soil to Gold Coast)	18	25	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	1.1833	0.0095	0.0104	0.0100	0.1100	1419.7	0.0031	0.1484	20	0.012	0.000	0.000	0.000	0.001	14.2	0.000	0.001	
Heavy-duty truck (import from Grimes Rock)	41	25.4	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	2.7384	0.0220	0.0241	0.0230	0.2545	3285.5	0.0071	0.3435	20	0.027	0.000	0.000	0.000	0.003	32.9	0.000	0.003	
Heavy-duty truck (materials transport)	15	2	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.0789	0.0006	0.0007	0.0007	0.0073	94.6	0.0002	0.0099	2	0.000	0.000	0.000	0.000	0.000	0.1	0.000	0.000	
Heavy-duty truck (concrete from State Ready Mix)	26	2	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.1367	0.0011	0.0012	0.0011	0.0127	164.1	0.0004	0.0171	1	0.000	0.000	0.000	0.000	0.000	0.1	0.000	0.000	
Heavy-duty truck (contaminated water to World Oil)	95	0	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Totals =>											4.2206	0.0513	0.0374	0.0358	1.3265	5119.6	0.0153	0.5227		0.0402	0.0005	0.0004	0.0003	0.0131	48.8	0.0001	0.0050	

Off-Road & On-Road Source Totals 14.509 1.200 0.394 0.373 9.223 8602.190 0.2058 0.6163 0.1179 0.0096 0.0029 0.0027 0.0786 79.4 0.0018 0.0058

Notes:
¹ Onshore equipment emission factors from OFFROAD 2021 model for Ventura County, year 2024
² On-road emission factors from EMFAC 2021 model for Ventura County, year 2024

Greenhouse Gas Emissions Summary

Metric Tons	70.9	0.002	0.005
CO2E	70.9	0.044	1.406
Total CO2E			72.3

**Rincon Phase 2 Decommissioning
Onshore Pipeline Connections**

OFF-ROAD SOURCES

Source	Fuel	BHP	Number	Average Hours/Day	Emission Factors: pounds/BHP-hr ^{1,3}								Pounds/Day								Total Days	Total English Tons									
					NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		
Excavator	Diesel	310	1	8	0.00096	0.00012	0.00003	0.00003	0.00093	0.44493	0.000023	0.000011	2.38	0.30	0.07	0.07	2.31	1103.4	0.057	0.028	10	0.012	0.001	0.000	0.000	0.012	5.5	0.000	0.000		
Drill rig (dewatering wells)	Diesel	175	0	0	0.00115	0.00014	0.00005	0.00005	0.00328	0.58943	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Grader	Diesel	290	0	0	0.00262	0.00024	0.00009	0.00008	0.00114	0.47565	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Backhoe	Diesel	104	0	0	0.00178	0.00017	0.00008	0.00007	0.00284	0.43052	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Dozer (D8)	Diesel	355	0	0	0.00321	0.00029	0.00013	0.00012	0.00172	0.49864	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Generator (pumps)	Diesel	50	0	0	0.00129	0.00011	0.00011	0.00010	0.00258	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Vibratory soil compactor	Diesel	74	0	0	0.01245	0.00155	0.00089	0.00082	0.00508	0.43658	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Light plant	Diesel	15	0	0	0.00183	0.00019	0.00002	0.00002	0.00254	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Air compressor (185 cfm)	Diesel	50	1	8	0.00179	0.00014	0.00002	0.00002	0.00235	0.35591	0.000023	0.000011	0.72	0.06	0.01	0.01	0.94	142.4	0.009	0.005	5	0.002	0.000	0.000	0.000	0.002	0.4	0.000	0.000		
Welding machine	Diesel	20	1	8	0.00447	0.00061	0.00021	0.00019	0.00285	0.56383	0.000023	0.000011	0.72	0.10	0.03	0.03	0.46	90.2	0.004	0.002	10	0.004	0.000	0.000	0.000	0.002	0.5	0.000	0.000		
Wheeled loader	Diesel	240	1	8	0.00142	0.00015	0.00005	0.00004	0.00093	0.42010	0.000023	0.000011	2.73	0.29	0.10	0.08	1.79	806.6	0.044	0.022	20	0.027	0.003	0.001	0.001	0.018	8.1	0.000	0.000		
Crane (mobile)	Diesel	350	0	0	0.00200	0.00019	0.00008	0.00008	0.00107	0.33508	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000			
Water pump	Diesel	20	1	8	0.00178	0.00010	0.00004	0.00004	0.00221	0.35591	0.000023	0.000011	0.28	0.02	0.01	0.01	0.35	56.9	0.004	0.002	5	0.001	0.000	0.000	0.000	0.001	0.1	0.000	0.000		
Concrete pump	Diesel	250	1	8	0.00009	0.00011	0.00001	0.00001	0.00081	0.35591	0.000023	0.000011	0.18	0.22	0.02	0.02	1.62	711.8	0.046	0.023	5	0.000	0.001	0.000	0.000	0.004	1.8	0.000	0.000		
													7.00	0.98	0.24	0.22	7.46	2911.4	0.164	0.080				0.046	0.006	0.002	0.001	0.039	16.3	0.0009	0.0004

ON-ROAD SOURCES

On Road Sources	Miles/One-way Trip	Average Daily One-way Trips	Emission Factors, grams/mile ²								Pounds/Day								Total Days	Total English Tons									
			NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		
Light-duty truck (workers)	20	20	0.15737	0.03421	0.00200	0.00184	1.78040	294.21	0.00882	0.00720	0.1388	0.0302	0.0018	0.0016	1.5700	259.4	0.0078	0.0063	20	0.001	0.000	0.000	0.000	0.016	2.6	0.000	0.000		
Heavy-duty truck (structural debris to Std Industries)	23	2	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.1210	0.0010	0.0011	0.0010	0.0112	145.1	0.0003	0.0152	4	0.000	0.000	0.000	0.000	0.000	0.3	0.000	0.000		
Heavy-duty truck (concrete from State Ready Mix)	26	2	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.1367	0.0011	0.0012	0.0011	0.0127	164.1	0.0004	0.0171	2	0.000	0.000	0.000	0.000	0.000	0.2	0.000	0.000		
Heavy-duty truck (contaminated soil to WM)	50	0	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0.000	0.000	0.000	0.000	0.000	0.0	0.000	0.000		
Heavy-duty truck (clean soil from Grimes Rock)	41	0	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0	0.000	0.000	0.000	0.000	0.000	0.0	0.000	0.000		
Heavy-duty truck (contaminated water to World Oil)	95	2	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.4996	0.0040	0.0044	0.0042	0.0464	599.4	0.0013	0.0627	2	0.000	0.000	0.000	0.000	0.000	0.6	0.000	0.000		
Totals =>											0.8961	0.0362	0.0084	0.0080	1.6404	1168.1	0.0097	0.1013				0.0023	0.0003	0.0000	0.0000	0.0158	3.6	0.0001	0.0002

Off-Road & On-Road Source Totals **7.899** **1.011** **0.247** **0.224** **9.102** **4079.425** **0.1735** **0.1818** **0.0480** **0.0059** **0.0016** **0.0014** **0.0547** **20.0** **0.0010** **0.0006**

Notes:

- ¹ Onshore equipment emission factors from OFFROAD 2021 model for Ventura County, year 2024
- ² On-road emission factors from EMFAC 2021 model for Ventura County, year 2024

Greenhouse Gas Emissions Summary

Metric Tons	17.8	0.001	0.001
CO2E	17.8	0.024	0.149
Total CO2E			18.0

**Rincon Phase 2 Decommissioning
Onshore Facility Remediation**

OFF-ROAD SOURCES

Source	Fuel	BHP	Number	Average Hours/Day	Emission Factors: pounds/BHP-hr ^{1,3}								Pounds/Day								Total Days	Total English Tons							
					NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O
Excavator	Diesel	310	1	8	0.00096	0.00012	0.00003	0.00003	0.00093	0.44493	0.000023	0.000011	2.38	0.30	0.07	0.07	2.31	1103.4	0.057	0.028	31	0.037	0.005	0.001	0.001	0.036	17.1	0.001	0.000
Drill rig (dewatering wells)	Diesel	175	1	8	0.00115	0.00014	0.00005	0.00005	0.00328	0.58943	0.000023	0.000011	1.61	0.20	0.07	0.07	4.59	825.2	0.032	0.015	2	0.002	0.000	0.000	0.000	0.005	0.8	0.000	0.000
Grader	Diesel	290	0	0	0.00262	0.00024	0.00009	0.00008	0.00114	0.47565	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.0	0.000	0.000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Backhoe	Diesel	104	0	0	0.00178	0.00017	0.00008	0.00007	0.00284	0.43052	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.0	0.000	0.000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Dozer (D8)	Diesel	355	1	8	0.00321	0.00029	0.00013	0.00012	0.00172	0.49864	0.000023	0.000011	9.12	0.82	0.37	0.34	4.88	1416.1	0.065	0.032	15	0.068	0.006	0.003	0.003	0.037	10.6	0.000	0.000
Generator (pumps)	Diesel	50	1	24	0.00129	0.00011	0.00011	0.00010	0.00258	0.35591	0.000023	0.000011	1.55	0.13	0.13	0.12	3.10	427.1	0.028	0.013	45	0.035	0.003	0.003	0.003	0.070	9.6	0.001	0.000
Vibratory soil compactor	Diesel	74	1	8	0.01245	0.00155	0.00089	0.00082	0.00508	0.43658	0.000023	0.000011	7.37	0.92	0.53	0.49	3.01	258.5	0.014	0.007	15	0.055	0.007	0.004	0.004	0.023	1.9	0.000	0.000
Light plant	Diesel	15	0	0	0.00183	0.00019	0.00002	0.00002	0.00254	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.0	0.000	0.000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Air compressor (185 cfm)	Diesel	50	0	0	0.00179	0.00014	0.00002	0.00002	0.00235	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.0	0.000	0.000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Welding machine	Diesel	20	0	0	0.00447	0.00061	0.00021	0.00019	0.00285	0.56383	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.0	0.000	0.000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Wheeled loader	Diesel	240	2	8	0.00142	0.00015	0.00005	0.00004	0.00093	0.42010	0.000023	0.000011	5.45	0.58	0.19	0.15	3.57	1613.2	0.088	0.043	46	0.125	0.013	0.004	0.004	0.082	37.1	0.002	0.001
Crane (mobile)	Diesel	350	0	0	0.00200	0.00019	0.00008	0.00008	0.00107	0.33508	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.0	0.000	0.000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Water pump	Diesel	20	0	0	0.00178	0.00010	0.00004	0.00004	0.00221	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.0	0.000	0.000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Concrete pump	Diesel	250	0	0	0.00009	0.00011	0.00001	0.00001	0.00081	0.35591	0.000023	0.000011	0.00	0.00	0.00	0.00	0.00	0.0	0.000	0.000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
													27.48	2.94	1.36	1.24	21.46	5643.5	0.284	0.139		0.322	0.034	0.015	0.014	0.251	77.2	0.0042	0.0020

ON-ROAD SOURCES

On Road Sources	Miles/One-way Trip	Average Daily One-way Trips	Emission Factors, grams/mile ²								Pounds/Day								Total Days	Total English Tons							
			NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O		NO _x	ROG	PM10	PM2.5	CO	CO2	CH4	N2O
Light-duty truck (workers)	20	28	0.15737	0.03421	0.00200	0.00184	1.78040	294.21	0.00882	0.00720	0.1943	0.0422	0.0025	0.0023	2.1980	363.2	0.0109	0.0089	370	0.036	0.008	0.000	0.000	0.407	67.2	0.002	0.002
Heavy-duty truck (structural debris to Std Industries)	23	0	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000	0.0000	0	0.000	0.000	0.000	0.000	0.000	0.0	0.000	0.000
Heavy-duty truck (asphalt to State Ready Mix)	26	2.53	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.1730	0.0014	0.0015	0.0015	0.0161	207.5	0.0004	0.0217	370	0.032	0.000	0.000	0.000	0.003	38.4	0.000	0.004
Heavy-duty truck (contaminated soil to WM)	50	2.03	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.2669	0.0021	0.0023	0.0022	0.0248	320.2	0.0007	0.0335	370	0.049	0.000	0.000	0.000	0.005	59.2	0.000	0.006
Heavy-duty truck (clean soil from Grimes Rock)	41	0	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000	0.0000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Heavy-duty truck (contaminated water to World Oil)	95	0	1.19277	0.00956	0.01048	0.01003	0.11083	1431.08	0.00308	0.14960	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000	0.0000	0	0.000	0.000	0.000	0.000	0.0	0.000	0.000	
Totals =>											0.6342	0.0458	0.0063	0.0060	2.2389	891.0	0.0120	0.0641		0.1173	0.0085	0.0012	0.0011	0.4142	164.8	0.0022	0.0119

Off-Road & On-Road Source Totals 28.113 2.989 1.371 1.250 23.697 6534.476 0.2961 0.2027 0.4397 0.0426 0.0165 0.0148 0.6655 242.0 0.0064 0.0139

Notes:

- ¹ Onshore equipment emission factors from OFFROAD 2021 model for Ventura County, year 2024
- ² On-road emission factors from EMFAC 2021 model for Ventura County, year 2024

Greenhouse Gas Emissions Summary

Metric Tons	216.1	0.006	0.012
CO2E	216.1	0.159	3.385
Total CO2E	219.6		

**Rincon Phase 2 Decommissioning
Air Pollutant and Greenhouse Gas Emissions Totals**

Task	Average Pounds/Day					Total English Tons					Metric Tons			
	NOx	ROG	PM10	PM2.5	CO	NOx	ROG	PM10	PM2.5	CO	CO2	CH4	N2O	CO2E
Island Decommissioning	35.80	3.51	1.49	1.38	21.27	2.295	0.218	0.079	0.072	1.600	766.1	0.026	0.039	777.5
SCC Parcel Improvements	14.51	1.20	0.39	0.37	9.22	0.118	0.010	0.003	0.003	0.079	70.9	0.002	0.005	72.3
Onshore Pipeline Connections	7.90	1.01	0.25	0.22	9.10	0.048	0.006	0.002	0.001	0.055	17.8	0.001	0.001	18.0
Onshore Facility Remediation	28.11	2.99	1.37	1.25	23.70	0.440	0.043	0.017	0.015	0.666	216.1	0.006	0.012	219.6
Total						2.90	0.28	0.10	0.09	2.40	1070.9	0.034	0.057	1087.5

Peak Day	NOx	ROG	PM10	PM2.5	CO
Island Decommissioning	35.80	3.51	1.49	1.38	21.27

Peak 12-month Period
777.5