






Higher Environmental Risk Oil Fields, by DOGGR Region

DOGGR Region	Risk Category	Name*	Closest Major City	Daily Emissions (metric tons CO ₂ eq./d)	Estimated Uncertainty in Emissions **	Assay Reported? Y/N	Crude Gravity	Sulfur Weight %***	Potential Air Quality Risks
District 1		Wilmington	Long Beach	22,500	--	Y	Heavy	1.56	SO ₂
		Inglewood	Santa Monica, Beverly Hills	4,180	± 560	N	Medium	2.50	SO ₂
		Long Beach	Long Beach	1,900	± 240	N	Medium	3.00	SO ₂
		Brea-Olinda	Anaheim	1,590	± 230	N	Medium	***	Insufficient SO ₂ Data
		Belmont Offshore	Seal Beach	1,130	± 130	N	Medium	0.02	
District 2		Ventura	Ventura	7,060	± 810	N	Medium	1.00	SO ₂
		Huntington Beach	Irvine, Newport Beach	3,340	± 450	N	Heavy	***	Insufficient SO ₂ Data
		Placerita	Santa Clarita	1,900	± 190	N	Heavy	1.30	SO ₂
		South Mountain	Santa Paula	700	± 80	N	Medium	***	Insufficient SO ₂ Data
District 3		San Ardo	Paso Robles	15,120	± 1,670	N	Extra Heavy	2.25	Particulates; SO ₂
		Orcutt	Santa Maria, Orcutt	1,890	± 210	N	Medium	2.17	SO ₂
		South Elwood Offshore	Santa Barbara	1,550	± 160	N	Light	***	Insufficient SO ₂ Data
		Cat Canyon	Santa Maria, Orcutt	1,410	± 190	N	Extra Heavy	5.07	Particulates; SO ₂
		Arroyo Grande	San Luis Obispo	730	± 70	N	Extra Heavy	1.30	Particulates; SO ₂
District 4		Midway Sunset	Bakersfield	58,720	TBD	Y	Heavy	1.19	SO ₂
		Kern River	Bakersfield	46,380	± 6,020	N	Extra Heavy	1.19	Particulates; SO ₂
		South Belridge	Bakersfield	40,510	--	Y	Heavy	***	Insufficient SO ₂ Data
		Cymric	Bakersfield	22,200	± 2,970	N	Heavy	0.69	SO ₂
		Elk Hills	Bakersfield	18,520	± 2,030	N	Light	***	Methane/ VOCs; Insufficient SO ₂ Data
District 5		Coalinga	Coalinga	10,670	± 1,090	N	Heavy	0.64	SO ₂
		Raisin City	Fresno	190	± 20	N	Medium	***	Insufficient SO ₂ Data

Lower Environmental Risk Oil Fields, by DOGGR Region

DOGGR Region	Risk Category	Name*	Closest Major City	Daily Emissions (metric tons CO ₂ eq./d)	Estimated Uncertainty in Emissions **	Assay Reported? Y/N	Crude Gravity	Sulfur Weight %***	Potential Air Quality Risks
District 4	Potential Regional Risk	Bellevue, West	Bakersfield	20	± 2	N	Medium	***	
District 4	Potential Risk: Enhanced Recovery Oils	White Wolf	Bakersfield	20	± 2	N	Extra Heavy	***	Particulates; Insufficient SO ₂ Data
District 4	Potential Regional Risk	Union Avenue	Bakersfield	20	± 2	N	Light	***	Insufficient SO ₂ Data
District 4	Potential Risk: Enhanced Recovery Oils	Blackwells Corner	Bakersfield	20	± 2	N	Extra Heavy	***	Particulates; Insufficient SO ₂ Data
District 5	Potential Risk: Enhanced Recovery Oils	Burrel	Fresno, Hanford	20	± 2	N	Medium	0.90	SO ₂
District 2	Potential Risk: Enhanced Recovery Oils	West Mountain	Santa Paula	20	± 2	N	Heavy	***	Insufficient SO ₂ Data
District 2	Potential Regional Risk	Castaic Hills	Santa Clarita	20	± 2	N	Light	0.51	SO ₂
District 1	Potential Risk: Enhanced Recovery Oils	Hyperion	El Segundo	20	± 2	N	Heavy	***	Insufficient SO ₂ Data
District 1	Potential Regional Risk	Mahala	Yorba Linda, Corona	10	± 2	N	Medium	***	Insufficient SO ₂ Data
District 1	Potential Regional Risk	Rosecrans, South	Gardena, Compton	10	± 1	N	Light	***	Insufficient SO ₂ Data

Risk Categories	
	High Risk: Critical Climate Oils
	Medium Risk: High GHG Oils
	Medium Risk: High Production Oils
	Potential Risk: Enhanced Recovery Oils
	Potential Regional Risk

* A complete list of active wells and associated operators for all 154 California oils modeled for this report can be found here. Data was compiled from the DOGGR Well-Finder Database.

** Measured in metric tons CO₂eq./d; Based on an analysis of the proxy assay technique used where OCI oils with known assays were estimated with proxies. Uncertainty derived by running all OCI oils through the model using available proxy assays. Uncertainty applied to PRELIM and OPEM results for California oils and aggregated to find percentage range. Values have been rounded to the nearest 10 kilograms of CO₂ equivalent.

*** Sulfur Content of oil not available.