

**Table 4.3.2 Current Oil Field Operations Toxic Pollutant Emissions (lbs/year)**

Pollutant Description	2005 – 2006 Operations	Drilling <sup>1</sup>	Total	Inventory Threshold for Reporting <sup>2</sup>
1,1,2,2-Tetrachloroethane	0.03	0	0.03	1
1,1,2-Trichloroethane { Vinyl trichloride }	0.02	0	0.02	50
1,2,4-Trimethylbenzene	14.0	15.0	29.0	5
1,2-Dichloropropane { Propylene dichloride }	0.02	0	0.02	20
1,3-Dichloropropene	0.02	0	0.02	10
Acetaldehyde	7.8	208.1	215.9	20
Acrolein	4.4	10.31	14.7	0.05
Ammonia	244.3	0	244.3	200
Arsenic and Compounds (inorganic)	0.0007	0.60	0.60	0.01
Benzene	284.3	56.6	341.0	2
Butadiene [1,3]	0.44	5.4	5.8	0.1
Cadmium	0.0007	4.8	4.8	0.01
Carbon tetrachloride	0.03	0	0.025379	1
Chloroform	0.02	0	0.01968	10
Chlorine	0	41.6	41.6	None
Chromium, hexavalent (and compounds)	0.00004	0	0.000044	0.0001
Copper	0.0018	3.02	3.02	0.1
Diesel exhaust particulates	15.2	1311.6	1326.9	10
Ethyl benzene	179.9	8.6	188.6	200
Ethylene dibromide { 1,2-Dibromoethane }	0.03	0	0.03	0.5
Ethylene dichloride { 1,2-Dichloroethane }	0.02	0	0.02	2
Formaldehyde	131.4	416.5	548.0	5
Hexane	242.9	4.4	247.4	200
Hydrochloric acid	0.08	0	0.08	20
Hydrogen selenide	0.0010	1.2	1.2	0.5
Hydrogen sulfide	0.27	0	0.27	5
Lead compounds (inorganic)	0.0037	5.1	5.1	0.5
Manganese	0.0014	4.8	4.8	0.1
Mercury	0.0009	3.6	3.6	1
Methyl ethyl ketone { 2-Butanone }	0	41.8	41.8	None
Methanol	1.04	0.85	1.9	200
Methyl tert-butyl ether	65.7	0	65.7	200
Methylene chloride { Dichloromethane }	0.06	0	0.06	50
Nickel	0	15.3	15.3	0.1
Phosphorus	0.0017	2.30	2.3	None
Polycyclic Aromatic Hydrocarbons	3.5	13.4	16.9	0.2
Styrene	0.02	1.6	1.7	100
Toluene	196.1	41.7	237.8	200
Vinyl chloride	0.01	0	0.01	0.5
Xylene	106.1	29.5	135.5	200

Source: 2005-2006 Operations from SCAQMD AER (based on fiscal year),

1. Drilling emissions are calculated from 2005/2006 drilling activities and includes well drilling, workovers and well pad grading.
2. Thresholds from the SCAQMD Protocol for the development of toxic emission inventories, 2004. Each facility emitting a toxic air contaminant greater than or equal to the annual thresholds listed in this table is assessed an annual emissions fee as specified in SCAQMD Rule 301.