

CATEGORY CLEANUP TABLE¹ 2008

| | Category III | Category II | Category I |
|----------------------------|---|---|-------------------------------------|
| Index Table Score | 6-21 points | 22-38 points | 39-54 points |
| Chemical of Concern | Maximum levels for NonSensitive Area/NonResidential Soils²³⁶ | | |
| Benzene ⁴ | 31 mg/kg if ≤ 330 ft. to drinking water (DW) supply 310 mg/kg if > 330 ft. to DW supply | 23 mg/kg if ≤ 330 ft. to DW supply 230 mg/kg if > 330 ft. to DW supply | 3 mg/kg |
| TPH from Condensate | 10,000 mg/kg ≤ 2 ft. deep, 20,000 mg/kg > 2 ft. deep (Total TPH) | 5,000 mg/kg ≤ 3 ft. deep, 10,000 mg/kg > 3 ft. deep | 3,000 mg/kg |
| TPH from crude oil | | 10,000 mg/kg | 5,000 mg/kg |
| Chemical of Concern | Maximum levels for Groundwater⁵ The Category I criteria for water apply to all Categories when <u>in an aquifer within 330 ft. of a drinking water well.</u> | | |
| Benzene or BTEX | 0.5 mg/l benzene | 0.05 mg/l benzene | MCLs B/T/E/X mg/l 0.005/1/0.7/10 |
| Maximum TPH | De minimis measurable free product | 25 mg/l | 5 mg/l ⁷ |

1. Alternate levels are acceptable under special circumstances, with Commission concurrence. For example, less stringent cleanup limits for soils at historic pollution sites that have stabilized and are naturally attenuating, if beneficial uses are met. However, more stringent limits may be requested if the defined category cleanup levels create nuisance or other problems.
2. For **Sensitive Areas** (homes, schools, etc.) with high soil contact uses, see Step 3 page 10.
3. If impacted soil is in contact with ground water or surface water (excepting unused perched non-aquifer zones), lower soil concentrations of TPH or benzene are appropriate.
4. No levels are set for toluene, ethylbenzene, or xylenes in soils since risk-based criteria for these compounds are above what would be present from all oils and condensates analyzed at the benzene and TPH levels listed.
5. Surface waters must meet OWRB standards. See the Oil & Gas Conservation Division's Water Quality Standards Implementation Plan (WQSIP) guidance (see glossary Appendix V).
6. 1000 mg/kg TPH is the usual limit for soil to be taken off-site to a landfill or used within the lease for berms etc.
7. For taste and odor, not health based reasons, the Commission may request a cleanup down to the EPA's drinking water SNARL (see glossary, App. VI) limit of 0.1 mg/l for petroleum/TPH from a fresh source affecting a well or other DW supply