

**Arkansas Department of Environmental Quality – Hazardous Waste Division
Guidance Screening Levels for Total Petroleum Hydrocarbons**

Arkansas Department of Environmental Quality–Hazardous Waste Division (ADEQ-HWD) has developed risk-based screening levels for total petroleum hydrocarbons (TPH) using default exposure factors. Because of the complex nature of TPH, it is emphasized that these are screening levels. If TPH-GRO is suspected or has been determined to be present at a facility, then BTEX (benzene, toluene, ethylbenzene, toluene) should be evaluated in addition to TPH. If TPH-DRO is suspected or has been determined to be present at a facility, then BTEX and the polynuclear aromatic hydrocarbons (PAHs) should be evaluated in addition to TPH. The ADEQ-HWD TPH screening levels are presented in the following table:

TPH Screening Values

Petroleum Product	Recommended Screen	
	Soil (mg/kg)	Water (ug/L)
Gasoline (GRO)	440	200
Diesel (DRO)	2300	400
Residual (RRO)	4500	700

mg/kg – milligrams per kilogram

ug/L – micrograms per liter