

Mississippi Cleanup Standards for Hydrocarbon Contaminated Groundwater

Underground Storage Tank Typical Cleanup Levels

The following BTEX cleanup levels are typically used if there are no sensitive environmental receptors such as public water wells, geologic areas, vapors in a home, etc. However, the PAH cleanup levels are based on distances to a sensitive receptor.

Substance in Tank	Media	Typical Cleanup Levels
Gasoline	Water	18 ppm* total BTEX**
Diesel, waste oil, or kerosene	Water	PAH*** See table below

*ppm= parts per million

**BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes (EPA 8021B or 8260B)

***PAH = Polynuclear Aromatic Hydrocarbons (EPA 8100, 8270C, or 8310)

Cleanup Levels for Polynuclear Aromatic Hydrocarbons

Constituent	Groundwater level ppm*		
	0 ft	50 ft	100 ft.
Acenaphthene	2.2	>3.9	>3.9
Acenaphthylene	0.15	>3.9	>3.9
Anthracene	>0.045	>0.045	>0.045
Benzo (a) anthracene	0.00012	>0.0057	>0.0057
Benzo (a) pyrene	0.000012	>0.0016	>0.0016
Benzo (b) fluoranthene	0.00012	>0.015	>0.015
Benzo(g, h, l) perylene	>0.0007	>0.0007	>0.007
Benzo (k) fluoranthene	0.0012	>0.0043	>0.0043
Chrysene	0.000074	>0.0018	>0.0018

Dibenzo (a,h) anthracene	0.000012	>0.0005	>0.0005
Fluoranthene	>0.21	>0.21	>0.21
Fluorene	1.5	>1.7	>1.7
Indeno (1,2,3-cd) pyrene	0.00012	>0.062	>0.062
Naphthalene	0.73	6.3	>31
Phenanthrene	1.1	>1.6	>1.6
Pyrene	>0.16	>0.16	>0.16

The distances (0 ft., 50 ft., 100 ft.) represent distance from the sample point to a sensitive receptor

Contact: Martha Martin, Mississippi Underground Storage Tank Division, 601-961-5171

Mississippi Cleanup Standards for Hydrocarbon Contaminated Soil

Underground Storage Tank Typical Cleanup Levels		
The following BTEX cleanup levels are typically used if there are no sensitive environmental receptors such as public water wells, geologic areas, vapors in a home, etc. However, the PAH cleanup levels are based on distances to a sensitive receptor.		
Substance in Tank	Media	Typical Cleanup Levels
Gasoline	Soil	100 ppm* total BTEX**
Diesel, waste oil, or kerosene	Soil	PAH*** See table below
*ppm= parts per million		
**BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes (EPA 8021B or 8260B)		
***PAH = Polynuclear Aromatic Hydrocarbons (EPA 8100, 8270C, or 8310)		
Cleanup Levels for Polynuclear Aromatic Hydrocarbons		
	Soil level ppm*	
Constituent	0 ft	50 ft
Acenaphthene	>28	>28
Acenaphthylene	9.5	>40
Anthracene	>0.66	>0.66
Benzo (a) anthracene	1.0	>7.9
Benzo (a) pyrene	0.077	>1.7
Benzo (b) fluoranthene	0.42	>8.1
Benzo(g, h, l) perylene	>1.1	>1.1
Benzo (k) fluoranthene	>2.4	>2.4
Chrysene	0.096	>0.36
Dibenzo (a,h) anthracene	0.056	>0.37
Fluoranthene	>7.9	>7.9
Fluorene	>12	>12
Indeno (1,2,3-cd) pyrene	26	>2100
Naphthalene	9.8	>64
Phenanthrene	>23	>23
Pyrene	>6.1	>6.1

The distances (0ft and 50 ft) represent distance from the sample point to a sensitive receptor

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