

ATTACHMENT 5

STANDARDS/ACTION LEVELS FOR CONFIRMATORY SAMPLES COLLECTED AT CLOSURE SITE ASSESSMENTS		
No Water Encountered		
Parameter	Unsaturated Soil Standard/Action Level ¹ (mg/kg)	Standard for Reuse of Soil On-site ² (mg/kg)
Anthracene	350	350
Benzene	0.5	0.5
Benzo[a]anthracene	5.7/320	5.7/110
Benzo[a]pyrene	0.57/46	0.57/11
Benzo[b]fluoranthene	5.7/170	5.7/110
Benzo[g,h,i]perylene	180	180
Chrysene	230	230
Cumene	600/2,500	600/2,500
Dibromoethane, 1,2- (Ethylene dibromide)	0.005	0.005
Dichloroethane, 1,2-	0.5	0.5
Ethyl benzene	70	70
Fluorene	3,000/3,800	3,000/3,800
Indeno{1,2,3-cd}pyrene	5.7/28,000	5.7/110
Lead (total)	450	450
Methyl tert-butyl ether (MTBE)	2	2
Naphthalene	25	25
Phenanthrene	10,000	10,000
Pyrene	2,200	2,200
Toluene	100	100
Trimethyl benzene, 1,3,4- (trimethyl benzene, 1,2,4-)	8.4/35	8.4/35
Trimethyl benzene, 1,3,5-	2.3/9.3	2.3/9.3
Xylenes (total)	1,000	1,000

Note: Because only limited site characterization is required in localized contamination situations, conservative assumptions were used to determine the Unsaturated Soil Standards/Action Levels and the Standards for Reuse of Soil On-site. All values are based on the Chapter 250 Statewide Health Standards and assume used aquifers with Total Dissolved Solids (TDS) less than or equal to 2,500 mg/l. In cases where two numbers are shown, the lower number applies to residential sites and the higher number to non-residential sites.

¹Residential Unsaturated Soil Standards/Action Levels are the more stringent of the residential direct contact value or the highest residential soil to groundwater value. Non-residential values are the more stringent of the non-residential subsurface soil direct contact value or the highest non-residential soil to groundwater value.

²Residential Standards for Reuse of Soil On-site are the same as the Unsaturated Soil Standards/Action levels. Non-residential Standards for Reuse of Soil On-site are the more stringent of the non-residential surface soil direct contact value or the highest non-residential soil to groundwater value.

**STANDARDS/ACTION LEVELS FOR CONFIRMATORY SAMPLES
COLLECTED AT CLOSURE SITE ASSESSMENTS**

*****Water Encountered*****

Parameter	Saturated Soil Standard/Action Level¹ (mg/kg)	Unsaturated Soil Standard/Action Level² (mg/kg)	Water Standard/Action Level³ (ug/l)	Standard for Reuse of Soil On-site⁴ (mg/kg)
Anthracene	35	350	66	35
Benzene	0.5	0.5	5	0.5
Benzo[a]anthracene	2.5/32	5.7/320	0.29	2.5/32
Benzo[a]pyrene	0.57/4.6	0.57/46	0.2	0.57/4.6
Benzo[b]fluoranthene	4/17	5.7/170	0.29	4/17
Benzo[g,h,i]perylene	18	180	0.26	18
Chrysene	23	230	1.9	23
Cumene	84/350	600/2,500	840	84/350
Dibromoethane, 1,2- (Ethylene dibromide)	0.005	0.005	0.05	0.005
Dichloroethane, 1,2-	0.5	0.5	5	0.5
Ethyl benzene	70	70	700	70
Fluorene	300/380	3,000/3,800	1,500	300/380
Indeno[1,2,3-cd]pyrene	5.7/2,800	5.7/28,000	0.29	5.7/110
Lead (dissolved)			5	
Lead (total)	45	450		45
Methyl tert-butyl ether (MTBE)	2	2	20	2
Naphthalene	10	25	100	10
Phenanthrene	1,000	10,000	1,100	1,000
Pyrene	220	2,200	130	220
Toluene	100	100	1,000	100
Trimethyl benzene, 1,3,4- (Trimethyl benzene, 1,2,4-)	1.5/6.2	8.4/35	15	1.5/6.2
Trimethyl benzene, 1,3,5-	1.3/5.3	2.3/9.3	13	1.3/5.3
Xylenes (total)	1,000	1,000	10,000	1,000

Note: Because only limited site characterization is required in localized contamination situations, conservative assumptions were used to determine the Soil Standards/Action Levels and the Standards for Reuse of Soil On-site. All values are based on the Chapter 250 Statewide Health Standards and assume used aquifers with Total Dissolved Solids (TDS) less than or equal to 2,500 mg/l. In cases where two numbers are shown, the lower number applies to residential sites and the higher number to non-residential sites.

¹Residential Saturated Soil Standards/Action Levels are the more stringent of the: 1) residential direct contact value, **or** 2) the larger of the residential generic soil to groundwater value divided by 10 or the 100 times groundwater medium specific concentration (MSC) value for residential use. Non-residential Soil Standards/Actions Levels are the more stringent of the: 1) non-residential subsurface soil direct contact value, **or** 2) the larger of the non-residential generic soil to groundwater value divided by 10 or the 100 times the groundwater MSC value for non-residential use.

²Unsaturated Soil Standards/Action Levels are the same as those for sites where water is not encountered.

³Water Standards/Action Levels are the residential MSCs for used aquifers with TDS less than or equal to 2,500 mg/l.

⁴Residential Standards for Reuse of Soil On-site are the same as the residential Saturated Soil Standards/Action Levels. Non-residential Standards for Reuse of Soil On-site are the more stringent of the: 1) non-residential surface soil direct contact value, **or** 2) the larger of the non-residential generic soil to groundwater value divided by 10 or the 100 times the groundwater MSC value for non-residential use.