

TABLE 1
Sampling Plan for Former TEP Berm

Boring ID	Sampling Location	Sample Depths	Dioxin 2,700 ppt (site specific)	HCB 1.2 mg/kg	Arsenic 1.77 mg/kg	Perchlorate 795 mg/kg	OCPs	Asbestos >5 chrysotile 1 amphibole	Comments
			EPA 8290	EPA 8270C	EPA 6020	EPA 314.0	EPA 8081A	EPA 540-R-97-028	
SSAI3-02	Surficial Asbestos	0-2" 4-6"						X Hold	The 4-6" asbestos to be analyzed if 0-2" is above comparison criteria.
	Within Berm	1-2'	0.44	<0.031	X	X	X		Bottom of berm approximately 15 feet bgs. Collect samples at 1, 5, 8, 11 and 14 feet within berm. One foot samples for dioxin and HCB already exist.
		5-6'	X	X	X	X	X		
		8-9'	X	X	X	X	X		
11-12'		X	X	X	X	X			
Below Base of Berm	14-15'	X	X	X	X	X			Adjacent area to east to be excavated to 10 feet bgs and to west to 4 feet bgs. Sample at base of berm and 4 and 10 feet below base of berm.
	15-16'	X	X						
	19-20' 25-26'	X X	X X						
SSAI3-03	Surficial Asbestos	0-2" 4-6"						X Hold	The 4-6" asbestos to be analyzed if 0-2" is above comparison criteria.
	Within Berm	1-2'	0.53	<0.031	X	X	X		Bottom of berm approximately 15 feet bgs. Collect samples at 1, 5, 8, 11 and 14 feet within berm. One foot samples for dioxin and HCB already exist.
		5-6'	X	X	X	X	X		
		8-9'	X	X	X	X	X		
11-12'		X	X	X	X	X			
Below Base of Berm	14-15'	X	X	X	X	X			Adjacent area to east to be excavated to 8 feet bgs and to west to 10 feet bgs. Sample at base of berm and 8 and 10 feet below base of berm.
	15-16'	X	X						
	23-24' 25-26'	X X	X X						
SSAI3-04	Surficial Asbestos	0-2" 4-6"						X Hold	The 4-6" asbestos to be analyzed if 0-2" is above comparison criteria.
	Within Berm	1-2'	22	0.31 J	X	X	OCPs<BCL		Bottom of berm approximately 15 feet bgs. Collect samples at 1, 5, 8, 11 and 14 feet within berm. One foot samples for dioxin and HCB already exist. OCPs exist at 1, 3, 5, 7, 9. Collect one additional sample for OCPs at 14'.
		3-4'					OCPs<BCL		
		5-6'	X	X	X	X	OCPs<BCL		
7-8'		X	X	X	X	OCPs<BCL			
9-10'						OCPs<BCL			
Below Base of Berm	11-12'	X	X	X	X			Adjacent area to east to be excavated to 8 feet bgs and to west to 10 feet bgs. Sample at base of berm and 8 and 10 feet below base of berm.	
	14-15'	X	X	X	X	X			
	15-16'	X	X						
	23-24' 25-26'	X X	X X						

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			EPA 8290	EPA 8270C	EPA 6020	EPA 314.0	EPA 8081A	EPA 540-R-97-028	
SSAJ3-02	Surficial Asbestos	0-2" 4-6"						X Hold	The 4-6" asbestos to be analyzed if 0-2" is above comparison criteria.
	Within Berm	1-2'	2.8	<0.032	3.7	1.8	X		Bottom of berm approximately 16 feet bgs. Collect samples at 1, 5, 8, 12 and 15 feet within berm. One foot samples for dioxin and HCB already exist. One foot and five foot samples for arsenic and perchlorate already exist.
		5-6'	X	X	3.7	2.2	X		
		8-9'	X	X	X	X	X		
		12-13'	X	X	X	X	X		
		15-16'	X	X	X	X	X		
Below Base of Berm	16-17' 19-20'	X X	X X					Adjacent area to east to be excavated to 8 feet bgs and to west to 10 feet bgs. Sample at base of berm and 8 and 10 feet below base of berm.	
SSAJ3-05	Surficial Asbestos	0-2" 4-6"						X Hold	The 4-6" asbestos to be analyzed if 0-2" is above comparison criteria.
	Within Berm	1-2'	X	X	X	X	X		Bottom of berm approximately 17 feet bgs. Collect samples at 1, 5, 8, 12 and 16 feet within berm. Adjacent areas to east and west require no excavation; therefore, sampling below berm not necessary.
		5-6'	X	X	X	X	X		
		8-9'	X	X	X	X	X		
		12-13'	X	X	X	X	X		
		16-17'	X	X	X	X	X		

Notes:

Existing sample results shown in blue font

X - collect and analyze soil sample from this depth

bgs - below ground surface

HCB - hexachlorobenzene

J - estimated results

mg/kg - milligrams per kilogram

OCPs - organochlorine pesticides

ppt - parts per trillion

TEP - trade effluent pond

USEPA - United States Environmental Protection Agency