



PROJECT NUMBER <b>170039</b>	BORING NUMBER <b>MW-121 (Clustered with MW-120)</b>
<b>SOIL BORING LOG</b>	

PROJECT : EBT Treatability Study	LOCATION : Memphis Depot
ELEVATION :	DRILLING CONTRACTOR : Boart Longyear
DRILLING METHOD AND EQUIPMENT USED : Rotasonic rig (4 inch sample casing / 6 inch outer casing)	
WATER LEVELS :	START : 04/20/2002      END: 04/20/2002      LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)				STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL (FT)			PENETRATION	SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
		RECOVERY (%)		TEST RESULTS		
		#/TYPE				
		6"-6"-6"-6" (N)				
					Gravel (parking lot)	Corrected FID (ppm): <i>(Soil headspace)</i>
					Silt, brown, moist, (loess)	0.0
						0.0
					Silt, brown, moist, (loess)	0.0
						0.0
						0.0
					Silt, brown, moist, (loess)	
					Sandy Clay, tan, dense, moist, fine grained	0.0
					Color grading from tan to brownish red to dark red Increase fine grained sand with depth	0.0
					Clayey Sand, dark red, fine grained, well sorted, moist	
						110.0
					Sand, dark red, fine grained, well sorted, mois	
					Clayey Sand, brownish red, fine grained, moist	



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RECOVERY (%)						
#/TYPE						
40		100			Clayey Sand, brownish red, fine grained, moist Sand, brown, fine grained, well sorted, pebbles (<10%), < 1 inch diameter, moist	300.0
					Clay, pink with light gray sandy clay inclusions, dense, massive, moist	240.0
45					Sand, brownish yellow, fine grained, well sorted, loose, moist Gravelly Sand, brownish yellow to light yellow, fine to coarse grained, poorly sorted, loose, moist, pebbles (10 to 20%), <0.25 inches diameter, subangular	507.0
50		100				390.0
55					Sand, brownish yellow, medium grained, well sorted, moist	157.0
60						203.0
65					Gravelly Sand, brownish yellow, fine to coarse grained, poorly sorted, pebbles (<10%) <0.25 inches diameter, subangular, mois	247.0
70		100				109.0



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		#/TYPE				
75					Same as above, Gravelly Sand	150.0
80		100			234.0	
85					126.0	
90		100			80.0	
95					Watertable @ approximately 95 feet bgs	
100						
105					Same as above, Gravelly Sand Boring Terminated @ 103 feet bgs	
110						