



<b>PROJECT NUMBER</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">170039</div>	<b>BORING NUMBER</b> <div style="border: 1px solid black; padding: 2px; text-align: center;">MW-116 (Clustered with MW-115)</div>
<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 : 04/21/2002      END: 04/21/2002      LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (%)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
					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.
						Corrected FID (ppm): <b>(Soil headspace)</b>
5	100				Gravel (parking lot)	0.0
10	100				Silt, brown, moist, (loess)	0.0
15	100				Silt, brown, moist, (loess)	0.0
20	100				Silt, brown, moist, (loess)	0.0
25	100				Sandy Clay, tan, moist, fine grained, stiff Dark yellow and light gray mottles	0.0
30	100				Color grading from tan to brownish red to dark red Increase fine grained sand with depth	0.0
35	100				Clayey Sand, dark red, fine grained, well sorted, moist, dense	10.0
					Sand, dark red, fine grained, well sorted, mois	



PROJECT NUMBER <b>170039</b>	BORING NUMBER <b>MW-116 (Clustered with MW-115)</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 : 04/21/2002 END: 04/21/2002 LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)				STANDARD PENETRATION  TEST RESULTS  6"-6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
INTERVAL (FT)					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.  Corrected FID (ppm):
RECOVERY (%)						
#/TYPE						
40	100				Clay, pink with light gray mottles, dense, moist, massive (@37 feet bgs)	0.0
					Sand, golden to light yellow, loose, fine grained, well sorted	0.0
45					Gravelly Sand, brownish yellow, loose, fine to coarse grained, poorly sorted, pebbles (<20%), <0.25 inches diameter	1371.0
50	100					126.0
55					Sand, brownish yellow, fine to medium grained, well sorted, loose	130.0
60	100					123.0
65					Gravelly Sand, brownish yellow, loose, fine to coarse grained, poorly sorted, pebbles (20-30%), <0.75 inches diameter	315.0
70	100				Sand, brownish yellow, fine grained, well sorted, loose, moist	38.0



PROJECT NUMBER <b>170039</b>	BORING NUMBER <b>MW-116</b> (Clustered with MW-115)
<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 : 04/21/2002      END: 04/21/2002      LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)			STANDARD	SOIL DESCRIPTION	COMMENTS
		RECOVERY (%)	#/TYPE	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.
				TEST RESULTS		
				6"-6"-6" (N)		
75					Gravelly Sand, brownish yellow, loose, fine to medium grained, well sorted, pebbles (<10%), <1 inch diameter, subangular	
80		100			Gravelly Sand, same as above	380.0
85					Gravelly Sand, same as above	96.0
90		100			Gravelly Sand, same as above	110.0
95						150.0
100					Gravelly Sand, same as above	Watertable @ approximately 95 feet bgs
105		100			Gravelly Sand, same as above	
110					Clay, yellowish gray to gray, dense, massive	



<b>PROJECT NUMBER</b> <b>170039</b>	<b>BORING NUMBER</b> <b>MW-116 (Clustered with MW-115)</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 : 04/21/2002      END: 04/21/2002      LOGGER : Bryan Burkingstock

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (%)	#/TYPE	STANDARD PENETRATION TEST RESULTS	SOIL DESCRIPTION	COMMENTS
				6"-6"-6"-6" (N)	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.
						Corrected FID (ppm):
115					Clay, same as above	
					Boring Terminated @ 103 feet bgs	
120						
125						
130						
135						
140						