

 <b>MWH</b> MWH Americas, Inc. 335 Phoenixville Pike Malvern, Pennsylvania 19355	<b>Boring ID: PW-E107C</b> Page 1 of 4	
	<b>Project Name:</b> from URS gINT database urs_excel_3_19_06.gpj <b>Location:</b> Delaware City, DE <b>Project Number:</b> <b>Date Started:</b> 11/28/2005 <b>Date Finished:</b> 12/1/2005 <b>Drilling Method:</b> Mud Rotary <b>Sampling Method:</b> <b>State Permit Number:</b> NA	<b>Boring Location:</b> South of Tank 1 Crude Tank Farm <b>Drilling Company:</b> B. L. Myers Bros. (Paul Flynn) <b>Ground Elevation (ft/msl):</b> 33.3 <b>Total Depth (ft):</b> 130.0' <b>Boring Diameter (in):</b> 4.875" <b>Water Level During Drilling (ft/bgs):</b> <b>Weather Conditions:</b> <b>Logged By:</b> Nick Garner

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
0							TOPSOIL	0' - 0.75' Top soil		Estimated Coordinates pulled from URS map: Motiva Site Map from URS 3-13-06.dwg
0.75						SW	0.75' - 5' brown gravelly f-m SAND			
5						SW	5' - 15' brown f-m SAND			
15						SW	15' - 25' orange/brown fine gravelly f-m SAND			
25						SW	25' - 35' gravelly f-c SAND w/ some quartz and dark clast			
30										



EC13-45

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
30										
35						SW		35' - 40' f-c SAND w/ quartz gravel and dark clast		
40						SW		40' - 45' tan mica rich f-m SAND		
45						SW		45' - 55' mica rich f-m SAND w/ trace coarse sand		
50										
55						SW		55' - 80' quartz rich m-c SAND w/ some fine gravel		
60										
65										



Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
70										
75										
80						SW		80' - 85' quartz rich m-c SAND w/ some fine gravel and red clay		
85						SW		85' - 95' tan to orange m-c SAND w/ red oxidized zones and fine quartz gravel		
90										
95						SP		95' - 100' orange/brown gravely m-c SAND w/ some red oxidized zones		
100						SW		100' - 109' light tan to orange/brown m-c SAND		



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EC15-45

Depth (feet)	Blow Counts	Recovery (inches)	PID (ppm)	Sample ID	Sample Interval	USCS	Lithology	Lithologic Description	Well Diagram	Remarks
105										
110						SW		109' - 111' (MWH) Yellowish tan medium sand, little coarse sand and fine sand, trace silt, trace rounded pebbles		
						SW-SM		111' - 114' tan/brown f-m SAND w/ trace silt		
115						SW		114' - 116' (MWH) Yellowish tan medium sand, little coarse sand and fine sand, trace silt, trace rounded pebbles		
						SW-SM		116' - 119' tan/brown f-m SAND w/ trace silt		
120						SW SM		119' - 121' (MWH) Yellowish tan medium sand, little coarse sand and fine sand, trace silt, trace rounded pebbles		
								120' - 125' light orange/brown fine gravely silty f-m SAND		
125						SP-SM		125' - 129' light orange/brown gravely SAND w/ some silt		
130						CL		129' - 130' light gray CLAY w/ red zones, very plastic (MWH) 129' to 131'		
								Light gray clay, little silt, trace subangular fine gravel, definitely Potomac Clay		
135										

Qc1

129'

Kp1