



MWH Americas, Inc.  
335 Phoenixville Pike  
Malvern, Pennsylvania 19355

**Boring ID: PR05** *Ec13-105*

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KCT

<b>Project Name:</b> from URS gINT DB pr-series 2006	<b>Boring Location:</b> Near Eastern Boundary
<b>Location:</b> Delaware City, DE	<b>Drilling Company:</b> Walton Drilling (Gary Truver)
<b>Project Number:</b>	<b>Ground Elevation (ft/msl):</b> 22.9
<b>Date Started:</b> 7/11/2006	<b>Total Depth (ft):</b> 41.0'
<b>Date Finished:</b> 7/11/2006	<b>Boring Diameter (in):</b> 8"
<b>Drilling Method:</b> Auger	<b>Water Level During Drilling (ft/bgs):</b>
<b>Sampling Method:</b>	<b>Weather Conditions:</b>
<b>State Permit Number:</b> NA	<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								0' - 1' TOPSOIL		
								1' - 2.35' SILT, some SAND, very fine, little CLAY; brown.		
								2.35' - 2.5' CLAY, some SILT; brown.		
								2.5' - 4' no split-spoon sample		
5								4' - 4.25' CLAY, some SILT; orange/brown.		
								4.25' - 5' SAND, some SILT, little CLAY; brown orange.		
								5' - 5.5' SAND, some SILT; brown orange.		
								5.5' - 9' no split-spoon sample		
10								9' - 9.185' SILT, little SAND (pockets of SAND in core); brown.		Columbia Formation Absent
								9.185' - 10.5' SILT, some CLAY, little SAND, dense; orange brown (red color at approximately 9.75).		
								10.5' - 11' no split-spoon sample		
								11' - 12.5' SILT, some CLAY, little SAND fine, micaceous		
								12.5' - 13' no split-spoon sample		
15								13' - 15' SILT, little SAND, fine, little CLAY, trace GRAVEL, fine, very micaceous; orange brown mottled with light gray, red and dark gray.		
								15' - 16' SILT, some SAND, fine, micaceous; red to gray.		
								16' - 18' SILT, some SAND, fine, micaceous; red mottled with little green/gray.		Holocene-Merchartville Contact (18.0')
20								18' - 19' SAND, fine, some SILT, little CLAY, micaceous; dark gray		
								19' - 19.5' SAND, fine, some SILT, wet, micaceous; dark gray.		
								19.5' - 19.8' SAND, fine, some SILT, little CLAY, micaceous; dark gray.		
								19.8' - 21' SAND, fine, some SILT, trace to no CLAY, micaceous; dark gray.		
25								21' - 24' no split-spoon sample		
								24' - 26' SAND, fine, little to trace SILT micaceous, wet; dark gray.		
								26' - 29' no split-spoon sample		
30								29' - 36' SAND, fine, little to trace SILT,		



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30								micaceous, wet; dark gray.		
35										
40								36' - 41' SILT, some SAND, fine, micaceous; dark gray.		
45										
50										
55										
60										
65										