Alluvium Drill Cuttings Logging Form Comments - Nye County Nuclear Waste Repository Project Office

Borehole ID: **NC-EWDP-13P** (Phase 5)

Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
6/16/2005	13P-0.0-2.5-D	0.00	2.50	Samples 1 and 2 are not representative, not useful for geotechnical data, no sample taken for archive.
6/16/2005	13P-2.5-5.0-D	2.50	5.00	0-62.5 ft - Drilled/sampled/logged in high wind.
6/16/2005	13P-5.0-7.5-D	5.00	7.50	
6/16/2005	13P-7.5-10.0-D	7.50	10.00	
6/16/2005	13P-10.0-12.5-D	10.00	12.50	
6/16/2005	13P-12.5-15.0-D	12.50	15.00	
6/16/2005	13P-15.0-17.5-D	15.00	17.50	
6/16/2005	13P-17.5-20.0-D	17.50	20.00	
6/16/2005	13P-20.0-22.5-D	20.00	22.50	
6/16/2005	13P-22.5-25.0-D	22.50	25.00	
6/16/2005	13P-25.0-27.5-D	25.00	27.50	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
6/16/2005	13P-27.5-30.0-D	27.50	30.00	
6/16/2005	13P-30.0-32.5-D	30.00	32.50	
6/16/2005	13P-32.5-35.0-D	32.50	35.00	
6/16/2005	13P-35.0-37.5-D	35.00	37.50	
6/16/2005	13P-37.5-40.0-D	37.50	40.00	
6/16/2005	13P-40.0-42.5-D	40.00	42.50	
6/16/2005	13P-42.5-45.0-D	42.50	45.00	
6/16/2005	13P-45.0-47.5-D	45.00	47.50	
6/16/2005	13P-47.5-50.0-D	47.50	50.00	
6/16/2005	13P-50.0-52.5-D	50.00	52.50	
6/16/2005	13P-52.5-55.0-D	52.50	55.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
6/16/2005	13P-55.0-57.5-D	55.00	57.50	
6/16/2005	13P-57.5-60.0-D	57.50	60.00	Small sample: no split/sample for SMF/DOE.
6/16/2005	13P-60.0-62.5-D	60.00	62.50	
6/17/2005	13P-62.5-65.0-D	62.50	65.00	Sample slightly contaminated - sample wet with bentonite and foam from reaming.
6/17/2005	13P-65.0-67.5-D	65.00	67.50	Sample is large - contaminated by/with cleanout material.
6/17/2005	13P-67.5-70.0-D	67.50	70.00	Clay is probably bentonite contamination.
6/17/2005	13P-70.0-72.5-D	70.00	72.50	Clay is probably bentonite contamination.
6/17/2005	13P-72.5-75.0-D	72.50	75.00	
6/17/2005	13P-75.0-77.5-D	75.00	77.50	
6/17/2005	13P-77.5-80.0-D	77.50	80.00	
6/17/2005	13P-80.0-82.5-D	80.00	82.50	Note basalt in gravel component.

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
6/17/2005	13P-82.5-85.0-D	82.50	85.00	
6/17/2005	13P-85.0-87.5-D	85.00	87.50	87 ft - Top, basalt flow. 87 ft - 132.5 ft logged on Non-Alluvium Logging Form.
6/19/2005	13P-132.5-135.0-D	132.50	135.00	132.5 ft - 135 ft: Void, pass into alluvium at 135 ft, with no recovery until 162.5 ft.
6/19/2005	13P-135.0-137.5-D	135.00	137.50	
6/19/2005	13P-137.5-140.0-D	137.50	140.00	
6/19/2005	13P-140.0-142.5-D	140.00	142.50	
6/19/2005	13P-142.5-145.0-D	142.50	145.00	
6/19/2005	13P-145.0-147.5-D	145.00	147.50	
6/19/2005	13P-147.5-150.0-D	147.50	150.00	
6/19/2005	13P-150.0-152.5-D	150.00	152.50	No recovery from 132.5 ft - 162.5 ft.
6/19/2005	13P-152.5-155.0-D	152.50	155.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
6/19/2005	13P-155.0-157.5-D	155.00	157.50	
6/19/2005	13P-157.5-160.0-D	157.50	160.00	
6/19/2005	13P-160.0-162.5-D	160.00	162.50	
6/19/2005	13P-162.5-165.0-D	162.50	165.00	The "gravel" consists of rounded chunks of weakly-cemented reactive sandstone (rounded by travel up the drill string?).
6/19/2005	13P-165.0-167.5-D	165.00	167.50	
6/19/2005	13P-167.5-170.0-D	167.50	170.00	
6/19/2005	13P-170.0-172.5-D	170.00	172.50	
6/19/2005	13P-172.5-175.0-D	172.50	175.00	
6/19/2005	13P-175.0-177.5-D	175.00	177.50	
6/19/2005	13P-177.5-180.0-D	177.50	180.00	Logging subsample data not taken: these are estimates from the subsample.
6/19/2005	13P-180.0-182.5-D	180.00	182.50	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
6/19/2005	13P-182.5-185.0-D	182.50	185.00	No sample to lab/archive. "Tare" is total weight of logging sample.
6/19/2005	13P-185.0-187.5-D	185.00	187.50	No sample to lab/archive. "Tare" is total weight of logging sample.
6/19/2005	13P-187.5-190.0-D	187.50	190.00	No sample recovered at all.
6/19/2005	13P-190.0-192.5-D	190.00	192.50	
6/19/2005	13P-192.5-195.0-D	192.50	195.00	
6/19/2005	13P-195.0-197.5-D	195.00	197.50	
6/19/2005	13P-197.5-200.0-D	197.50	200.00	
6/19/2005	13P-200.0-202.5-D	200.00	202.50	
6/19/2005	13P-202.5-205.0-D	202.50	205.00	
6/19/2005	13P-205.0-207.5-D	205.00	207.50	
6/19/2005	13P-207.5-210.0-D	207.50	210.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
6/19/2005	13P-210.0-212.5-D	210.00	212.50	
6/19/2005	13P-212.5-215.0-D	212.50	215.00	
6/19/2005	13P-215.0-217.5-D	215.00	217.50	
6/19/2005	13P-217.5-220.0-D	217.50	220.00	
6/19/2005	13P-220.0-222.5-D	220.00	222.50	
6/19/2005	13P-222.5-225.0-D	222.50	225.00	
6/19/2005	13P-225.0-227.5-D	225.00	227.50	
6/19/2005	13P-227.5-230.0-D	227.50	230.00	
6/19/2005	13P-230.0-232.5-D	230.00	232.50	
6/19/2005	13P-232.5-235.0-D	232.50	235.00	
6/19/2005	13P-235.0-237.5-D	235.00	237.50	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
6/19/2005	13P-237.5-240.0-D	237.50	240.00	
6/19/2005	13P-240.0-242.5-D	240.00	242.50	
6/19/2005	13P-242.5-245.0-D	242.50	245.00	
6/19/2005	13P-245.0-247.5-D	245.00	247.50	
6/19/2005	13P-247.5-250.0-D	247.50	250.00	
6/19/2005	13P-250.0-252.5-D	250.00	252.50	"Gravel" component looks like sandstone…
6/19/2005	13P-252.5-255.0-D	252.50	255.00	
6/19/2005	13P-255.0-257.5-D	255.00	257.50	
6/19/2005	13P-257.5-260.0-D	257.50	260.00	260 ft - 290 ft - lab samples sent at 2.5 ft intervals (for moisture only). 260 ft to TD is logged on Non Alluvium Logging Form.