Alluvium Core Logging Form - Nye County Nuclear Waste Repository Project Office

Key for Sample Number: SC = Sonic core; SCA = Sonic core duplicate interval; C = Drive core. Key for Sample Type: L = Logging; D = Density; F = Fill; LC = Lost core; R = Entire run; X = End of run (overlaps with next run).

Borehole ID: **NC-EWDP-29P** (Phase 4) Driller/Drilling Company Greg Secrist/Eklund Drilling Co. Drilling Method: Reverse Circulation Air Rotary & Select Drive Core Alluvium Depth (ft bgs): 0 to 320 Start Date: 6/26/2003 End Date: 6/28/2003

Date Logged	Logged By (Initials)	Date Checked	Checked By (Initials)	Core Run Number	Sample Type	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Coring Data: Coring Rate (feet/min)	Coring Data: Sample Recovery (feet)	Coring Data: Core Diameter (inches)	Sample Density Data: Tare Weight (kg)	Sample Density Data: Sample Plus Tare Weight (kg)	Sample Density Data: Sample Weight (kg)	Munsell Color Symbol	Moisture Content: Dry	Moisture Content: Moist	Moisture Content: Wet	Particle Size Distribution (%): Gravel	Particle Size Distribution (%): Sand	Particle Size Distribution (%): Silt	Particle Size Distribution (%): Clay	Particle Size Distribution (%): Fines (Silt plus Clay)	Grading: Well Graded	Grading: Poorly Graded	Grading: Not Applicable	Estimated Plasticity: None	Estimated Plasticity: Low	Estimated Plasticity: Moderate	Estimated Plasticity: High	USCS Group Symbol	Gravel/Sand GrainShape: Angular	Gravel/Sand GrainShape: Subangular	Gravel/Sand GrainShape: Subrounded	Gravel/Sand GrainShape: Rounded	Cementation: None	Cementation: Weak	Cementation: Moderate	Cementation: Strong	HCL Reaction: None	HCL Reaction: Weak	HCL Reaction: Strong	Major Rock Type (%): Volcanics	Major Rock Type (%): Carbonates	Major Rock Type (%): Other
6/26/2003	BW	5/5/2005		1	L	29P-100.00-100.25-C	100.00	100.25							5YR 5/6	☐	☑	☐						☑	☐	☐	☐	☑	☐	☐		☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	100		
6/26/2003	BW	5/5/2005		1	RD	29P-100.00-102.27-C	100.00	102.27	0.2	2.3	4.0	29.75	41.05	11.30		☐	☑	☐						■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■			
6/26/2003	BW	5/5/2005		1	L	29P-100.25-100.50-C	100.25	100.50							5YR 5/6	☐	☑	☐						☑	☐	☐	☐	☑	☐	☐		☐	☐	☑	☐	☑	☐	☐	☐	☑	☐	☐	100		
6/26/2003	BW	5/5/2005		1	L	29P-100.50-101.00-C	100.50	101.00							5YR 5/6	☐	☑	☐						☑	☐	☐	☐	☑	☐	☐		☐	☐	☑	☐	☑	☐	☐	☐	☑	☐	☐	100		
6/26/2003	BW	5/5/2005		1	L	29P-101.00-101.50-C	101.00	101.50							5YR 5/6	☐	☑	☐						☑	☐	☐	☐	☑	☐	☐		☐	☐	☑	☐	☑	☐	☐	☐	☑	☐	☐	100		
6/26/2003	BW	5/5/2005		1	L	29P-101.50-102.00-C	101.50	102.00							5YR 5/6	☑	☐	☐						☑	☐	☐	☐	☑	☐	☐		☐	☐	☑	☐	☑	☐	☐	☐	☑	☐	☐	100		
6/26/2003	BW	5/5/2005		1	L	29P-102.00-102.27-C	102.00	102.27							5YR 5/6	☑	☐	☐						■	■	■	☐	☑	☐	☐		☐	☐	☑	☐	☑	☐	☐	☐	☑	☐	☐	100		
6/27/2003	BW	5/5/2005		2	F	29P-178.86-180.00-F	178.86	180.00								■	■	■						■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■			
6/27/2003	BW	5/5/2005		2	L	29P-180.00-180.36-C	180.00	180.36							5YR 5/2	☐	☑	☐						☑	☐	☐	☑	☐	☐	☐		☐	☐	☑	☐	☑	☐	☐	☐	☑	☐	☐	100		
6/27/2003	BW	5/5/2005		2	RD	29P-180.00-181.13-C	180.00	181.13	0.6	1.1	4.0	29.75	40.95	11.20		■	■	■						■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■			
6/27/2003	BW	5/5/2005		2	L	29P-180.36-180.86-C	180.36	180.86							5YR 5/2	☐	☑	☐						☑	☐	☐	☑	☐	☐	☐		☐	☐	☑	☐	☑	☐	☐	☐	☑	☐	☐	100		
6/27/2003	BW	5/5/2005		2	L	29P-180.86-181.13-C	180.86	181.13							5YR 5/2	☐	☑	☐						☑	☐	☐	☐	☑	☐	☐		☐	☐	☑	☐	☐	☑	☐	☐	☑	☐	☐	100		
6/28/2003	BW	5/5/2005		3	L	29P-279.98-280.09-C	279.98	280.09							5YR 5/2	☐	☑	☐						☑	☐	☐	■	■	■	☐		☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	100		
6/28/2003	BW	5/5/2005		3	RD	29P-279.98-282.11-C	279.98	282.11	1.1	2.1	4.0	29.70	41.25	11.55		■	■	■						■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■			
6/28/2003	BW	5/5/2005		3	L	29P-280.09-280.34-C	280.09	280.34							5YR 5/2	☐	☑	☐						☑	☐	☐	■	■	■	■		☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	100		
6/28/2003	BW	5/5/2005		3	L	29P-280.34-280.84-C	280.34	280.84							5YR 5/2	☐	☑	☐						☑	☐	☐	■	■	■	■		☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	100		
6/28/2003	BW	5/5/2005		3	L	29P-280.84-281.34-C	280.84	281.34							5YR 5/2	☐	☑	☐						■	■	■	■	■	■	■		☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	100		
6/28/2003	BW	5/5/2005		3	L	29P-281.34-281.84-C	281.34	281.84							5YR 5/6	☐	☑	☐						■	■	■	■	■	■	■		☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	100		
6/28/2003	BW	5/5/2005		3	L	29P-281.84-282.11-C	281.84	282.11							5YR 5/2	☐	☑	☐						■	■	■	■	■	■	■		☐	☑	☐	☐	☐	☑	☐	☐	☑	☐	☐	100		