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

Borehole ID: **NC-EWDP-22SA** (Phase 3) Driller/Drilling Company: Brian Mikelson/Eklund Drilling Co. Drilling Method: Reverse Circulation Air Rotary Alluvium Depth (ft bgs): 1110 to 1200 Start Date: 8/1/2001 End Date: 8/1/2001

Logged		Checked		Sample	Depth Interval (feet/bgs)		Drilling/Coring Data				Sample Density Data				Munsell Color Symbol
							Liquid Drilling Fluid Injection Rate (gpm)	Drilling/Coring Rate (feet/min)	Water Production (gpm)	Sample Recovery (gallons)	Borehole Diameter (inches)	Tare Weight (kg)	Sample Plus Tare Weight (kg)	Sample Weight (kg)	
08/01/01	KDD	09/07/01	jsw	BCS00010735	1110.00	1115.00	2.0	1.7	35.0		5.4				5YR 4/4
08/01/01	KDD	09/07/01	jsw	BCS00010736	1115.00	1120.00	2.0	1.7	35.0		5.4				5YR 4/4
08/01/01	KDD	09/07/01	jsw	BCS00010737	1120.00	1125.00	2.0	2.0	40.0		5.4				5YR 4/4
08/01/01	KDD	09/07/01	jsw	BCS00010738	1125.00	1130.00	2.0	2.0	50.0		5.4				5YR 4/4
08/01/01	KDD	09/07/01	jsw	BCS00010739	1130.00	1135.00	2.0	2.0	50.0		5.4				10R 4/2
08/01/01	KDD	09/07/01	jsw	BCS00010740	1135.00	1140.00	2.0	2.0	50.0		5.4				10R 4/2
08/01/01	KDD	09/07/01	jsw	BCS00010741	1140.00	1145.00	2.0	1.3	40.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010742	1145.00	1150.00	2.0	1.3	40.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010743	1150.00	1155.00	2.0	1.3	40.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010744	1155.00	1160.00	2.0	2.5	70.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010745	1160.00	1165.00	2.0	1.7	60.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010746	1165.00	1170.00	2.0	1.7	60.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010747	1170.00	1175.00	2.0	2.0	80.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010748	1175.00	1180.00	2.0	2.0	80.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010749	1180.00	1185.00	2.0	2.0	80.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010750	1185.00	1190.00	2.0	2.0	90.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010751	1190.00	1195.00	2.0	1.7	90.0		5.4				10YR 3/4
08/01/01	KDD	09/07/01	jsw	BCS00010752	1195.00	1200.00	2.0	1.7	90.0		5.4				10YR 3/4

Sample	Moisture Content				HCL Re-action			Rock Unit: Tuff – Deposition			Welding				Alteration					Sedimentary						Car-bon-ate		Other	Weathering					Structure					Matrix		
	Not Applicable	Dry	Moist	Wet	None	Weak	Strong	Ash Fall	Ash Flow	Reworked	Dense	Moderate	Weak	None	Vitric	Devitrified	Matrix	Vapor Phase	Spherulitic	Claystone	Mudstone	Siltstone	Sandstone	Conglomerate	Chert	Limestone	Dolomite		Fresh	Slight	Moderate	High	Decomposed	None Observed	Stratified	Laminated	Fractured	Other	Dense/Non-porous	Open/Porous	Other
BCS00010735				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010736				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010737				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010738				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010739				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010740				✓			✓		✓		✓													✓					✓					✓					✓		
BCS00010741				✓			✓		✓		✓													✓					✓					✓					✓		
BCS00010742				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010743				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010744				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010745				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010746				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010747				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010748				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010749				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010750				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010751				✓		✓			✓		✓													✓					✓					✓					✓		
BCS00010752				✓		✓			✓		✓													✓					✓					✓					✓		

Sample	Phenocrysts: Mafics			Quartz			Feldspar			Clasts: Pumice			Lithics		
	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)
BCS00010735	2	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	2
BCS00010736	5	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	2
BCS00010737	2	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010738	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010739	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010740	2	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010741	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010742	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010743	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010744	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010745	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010746	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010747	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010748	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010749	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010750	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010751	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1
BCS00010752	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	1