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

Borehole ID: **NC-EWDP-19IM2A** (Phase 3) Driller/Drilling Company: Brian Mikelson/Eklund Drilling Co. Drilling Method: Reverse Circulation Air Rotary Alluvium Depth (ft bgs): 825 to 900 Start Date: 7/17/2001 End Date: 7/17/2001

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)	
07/17/01	KDD	08/11/01	GH	BCS00008678	825.00	830.00	0.0	2.5	60.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008679	830.00	835.00	0.0	1.7	60.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008680	835.00	840.00	0.0	1.7	60.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008681	840.00	845.00	0.0	2.0	60.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008682	845.00	850.00	0.0	2.0	60.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008683	850.00	855.00	0.0	2.0	60.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008684	855.00	860.00	0.0	1.7	80.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008685	860.00	865.00	0.0	2.5	80.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008686	865.00	870.00	0.0	2.5	80.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008687	870.00	875.00	0.0	1.7	80.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008688	875.00	880.00	0.0	1.7	80.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008689	880.00	885.00	0.0	2.5	80.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008690	885.00	890.00	0.0	1.3	80.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008691	890.00	895.00	0.0	2.5	80.0		5.4				5Y 6/4
07/17/01	KDD	08/11/01	GH	BCS00008692	895.00	900.00	0.0	1.7	80.0		5.4				5Y 6/4

Sample	Moisture Content				HCL Re-action			Rock Unit: Tuff – Depo-sition			Welding				Alteration					Sedimentary						Car-bon-ate		Other
	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	
BCS00008678				✓	✓				✓				✓				✓											
BCS00008679				✓	✓				✓				✓				✓											
BCS00008680				✓	✓				✓				✓				✓											
BCS00008681				✓	✓				✓				✓				✓											
BCS00008682				✓	✓				✓				✓				✓											
BCS00008683				✓	✓				✓				✓				✓											
BCS00008684				✓	✓				✓				✓				✓											
BCS00008685				✓	✓				✓				✓				✓											
BCS00008686				✓	✓				✓				✓				✓											
BCS00008687				✓	✓				✓				✓				✓											
BCS00008688				✓	✓				✓				✓				✓											
BCS00008689				✓	✓				✓				✓				✓											
BCS00008690				✓	✓				✓				✓				✓											
BCS00008691				✓	✓				✓				✓				✓											
BCS00008692				✓	✓				✓				✓				✓											

Sample	Weathering					Structure					Matrix		
	Fresh	Slight	Moderate	High	Decomposed	None Observed	Stratified	Laminated	Fractured	Other	Dense/Non-porous	Open/Porous	Other
BCS00008678	✓					✓						✓	
BCS00008679	✓					✓						✓	
BCS00008680	✓					✓						✓	
BCS00008681	✓					✓						✓	
BCS00008682	✓					✓						✓	
BCS00008683	✓					✓						✓	
BCS00008684	✓					✓						✓	
BCS00008685	✓					✓						✓	
BCS00008686	✓					✓						✓	
BCS00008687	✓					✓						✓	
BCS00008688	✓					✓						✓	
BCS00008689	✓					✓						✓	
BCS00008690	✓					✓						✓	
BCS00008691	✓					✓						✓	
BCS00008692	✓					✓						✓	

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)
BCS00008678	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008679	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008680	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	2	N1	2
BCS00008681	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008682	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N1	0.5
BCS00008683	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	2	N1	3
BCS00008684	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008685	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008686	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008687	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008688	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008689	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008690	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008691	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00008692	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0