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

Borehole ID: **NC-EWDP- 22PB** (Phase 3 Driller/Drilling Company: Larry Renolds & Brian Mikelson/Eklund Drilling Co Drilling Method: Reverse Circulaton Air Rotary Alluvium Depth (ft bgs): 1120 to 1200 Start Date: 2/27/2002 End Date: 2/27/2002

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)	
03/08/02	kdd	04/16/02	bw	BCS00010491	1120.00	1125.00	0.0	0.7	39.0		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010492	1125.00	1130.00	0.0	0.7	26.2		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010493	1130.00	1135.00	0.0	0.7	25.6		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010494	1135.00	1140.00	0.0	0.7	30.9		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010495	1140.00	1145.00	0.0	0.8	39.9		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010496	1145.00	1150.00	0.0	0.8	25.7		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010497	1150.00	1155.00	0.0	0.8	17.7		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010498	1155.00	1160.00	0.0	0.8	43.9		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010499	1160.00	1165.00	0.0	1.0	59.9		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010500	1165.00	1170.00	0.0	1.0	53.8		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010501	1170.00	1175.00	0.0	1.0	80.4		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010502	1175.00	1180.00	0.0	1.0	81.0		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010503	1180.00	1185.00	0.0	0.7	54.2		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010504	1185.00	1190.00	0.0	0.7	32.5		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010505	1190.00	1195.00	0.0	0.7	32.4		8.5				5YR 4/3
03/08/02	kdd	04/16/02	bw	BCS00010506	1195.00	1200.00	0.0	0.7	33.7		8.5				5YR 4/3

Sample	Moisture Content				HCL Re-action			Rock Unit: Tuff: Depo-sition			Welding				Alteration					Sedimentary						Car-bon-ate			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	Other	Fresh	Slight	Moderate	High	Decomposed	None Observed	Stratified	Laminated	Fractured	Other	Dense/Non-porous	Open/Porous	Other
BCS00010491				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010492				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010493				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010494				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010495				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010496				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010497				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010498				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010499				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010500				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010501				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010502				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010503				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010504				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010505				✓			✓		✓			✓					✓							✓					✓					✓						✓	
BCS00010506				✓			✓		✓			✓					✓							✓					✓					✓						✓	

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)
BCS00010491	0	N/A	0	0	N/A	0	0	N/A	0	2	N6	3	0	N/A	0
BCS00010492	0	N/A	0	0	N/A	0	0	N/A	0	2	N6	3	0	N/A	0
BCS00010493	0	N/A	0	0	N/A	0	0	N/A	0	5	N6	3	0	N/A	0
BCS00010494	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00010495	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00010496	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00010497	0	N/A	0	5	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00010498	0	N/A	0	2	COLORLESS	1	0	N/A	0	0	N/A	0	10	MULTI	3
BCS00010499	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	5	MULTI	2
BCS00010500	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0
BCS00010501	0	N/A	0	5	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00010502	0	N/A	0	2	COLORLESS	1	0	N/A	0	0	N/A	0	0	N/A	0
BCS00010503	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	10	MULTI	3
BCS00010504	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	10	MULTI	3
BCS00010505	0	N/A	0	0	N/A	0	0	N/A	0	5	N6	6	0	N/A	0
BCS00010506	0	N/A	0	0	N/A	0	0	N/A	0	5	N6	6	0	N/A	0