

NYE COUNTY NUCLEAR WASTE REPOSITORY PROJECT OFFICE

CUTTINGS SAMPLE LOG

Borehole ID NC-EWDP-2DB Drill Depth From 0 To 60 <sup>(T.D. with Flooded reverse rig = 503.0')</sup> Page 1 of 8

Driller SHANNON EDWARDS/CHRIS THORNBURG Start Date/Time 01-22-00/0740 End Date/Time 1-24-00

Drilling Equip./Method AUGER 0-40', CABOT 0-503' Sampling Equip./Method 0-40' NO SAMPLE

*\* Note: FLOODED REVERSE CIRCULATION 40-503' HOLE WILL BE DEEPENED \** SAMPLE BOX

DEPTH (Feet)	Top/Bottom of Cuttings Sample Interval	Description of Lithology - Petrology	GRAPHIC LOG	Lithologic Unit	Notes
5					0-40FT AUGER RIG, NO SAMPLES TAKEN
10					
15					
20					
25					
30					
35					
40					
45	BCS 0000 5276	0-503 VALLEY FILL, SAND AND COBBLES, VOLCANIC, MOSTLY PALE BROWN (SYR 5/2) TO MODERATE BROWN (SYR 4/4). NOTE: HOLE WILL BE DEEPENED			CABOT DRILL RIG FLOODED REVERSE CIRCULATION
50	BCS 0000 5277				
55	BCS 0000 5278				
60	BCS 0000 5279				

QUALITY ASSURANCE RECORD  

FEB 14 2000

 THIS IS A RED STAMP  
 DO NOT REMOVE FROM FILE

1539

Prepared By ARTHUR J. MENDENHALL Date 01-22-00 Checked By J.S. Walker Date 01-26-00

NYE COUNTY NUCLEAR WASTE REPOSITORY PROJECT OFFICE

CUTTINGS SAMPLE LOG

CONTINUATION

Borehole ID ~~MC-EWDP-20B~~ Drill Depth From 60 To 125 Page 2 of 8

DEPTH (Feet)	Top/Bottom of Cuttings Sample Interval	Description of Lithology - Petrology	GRAPHIC LOG	LITHOLOGIC UNIT	Notes
	BCS 0000 5280	VALLEY FILL, CONT., sand, gravel, cobbles			
65	BCS 0000 5281				
70	BCS 0000 5282	BECOMING COARSER			
75	BCS 0000 5283				
80	BCS 0000 5284				
85	BCS 0000 5285				
90	BCS 0000 5286				
95	BCS 0000 5287				
100	BCS 0000 5288				DRILLING SLOWER DUE TO DOWN-HOLE BOULDERS
105	BCS 0000 5289				
110	BCS 0000 5290				
115	BCS 0000 5291				
120	BCS 0000 5292				
125					

Prepared By ARTHUR J. MENDENHALL Date 01-22+23-00 Checked By J.S. Walker Date 1-26-00

**NYE COUNTY NUCLEAR WASTE REPOSITORY PROJECT OFFICE**

**CUTTINGS SAMPLE LOG**

CONTINUATION

Borehole ID ~~NC-EWDP-0008~~ Drill Depth From 125 To 190 Page 3 of 8

DEPTH (Feet)	Top/Bottom of Cuttings Sample Interval	Description of Lithology - Petrology	GRAPHIC LOG	LITHOLOGIC UNIT	Notes
130	BCS 0000 5293	VALLEY FILL, SAND AND COBBLES, VOLCANIC, CONT.			
135	BCS 0000 5294				
140	BCS 0000 5295				
145	BCS 0000 5296				
150	BCS 0000 5297				
155	BCS 0000 5298				
160	BCS 0000 5299				
165	BCS 0000 5300				
170	BCS 0000 5301				CONTINUED SLOW DRILLING
175	BCS 0000 5302				
180	BCS 0000 5303				
185	BCS 0000 5304				
190	BCS 0000 5305				

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CUTTINGS SAMPLE LOG

CONTINUATION

Borehole ID DNC-EWDP-02AD Drill Depth From 190 To 255 Page 4 of 8

DEPTH (Feet)	Top/Bottom of Cuttings Sample Interval	Description of Lithology - Petrology	GRAPHIC LOG	LITHOLOGIC UNIT	Notes
195	BCS 0000 5306	VALLEY FILL, SAND AND COBBLES, VOLCANIC, CONT.  1-5% COBBLES, VOLCANIC, VERY LIGHT GRAY (NO), OVERALL UNITS ARE PALE RED (10R 6/2) HETEROGENEOUS LITHOLOGY, SUBROUNDED CLASTS  <			

Prepared By ARTHUR J. MENDENHALL Date 01-23-00 Checked By BENT E. AARST Date 01-25-00

NYE COUNTY NUCLEAR WASTE REPOSITORY PROJECT OFFICE

CUTTINGS SAMPLE LOG

CONTINUATION

Borehole ID DNC-ENDP-02DB    Drill Depth From 255 To 320    Page 5 of 8

DEPTH (Feet)	Top/Bottom of Cuttings Sample Interval	Description of Lithology - Petrology	GRAPHIC LOG	LITHOLOGIC UNIT	Notes
260	BCS 0000 5319	VALLEY FILL SAND & GRAVEL OVERALL UNITS ARE PALE RED (10R 6/2)			
265	BCS 0000 5320				
270	BCS 0000 5321				
275	BCS 0000 5322	PEBBLES OF CALCITE FILLED VISICULAR BASALT COMMON GRAYISH BLACK (N2)			
280	BCS 0000 5323	275 - 300' MEDIUM TO COARSE PEBBLES WITH SILT & CLAY, PALE ORANGE (10YR 7/2)			
285	BCS 0000 5324				
290	BCS 0000 5325				
295	BCS 0000 5326				
300	BCS 0000 5327				
305	BCS 0000 5328	300 - 315' COARSE PEBBLES & COBBLES MIXED VOLCANIC CLASTS OVERALL UNIT IS LIGHT BROWNISH GRAY TO MODERATE BROWNISH GRAY (5YR 6/1 TO 5YR 5/1)			VERY ROUGH DRILLING IN COBBLES
310	BCS 0000 5329				
315	BCS 0000 5330				
320	BCS 0000 5331	315 - 333' CLAY RICH SAND & GRAVEL YELLOWISH BROWN (10YR 5/2)			

Prepared By BENT E. AARQUIST Date 01-25-00    Checked By ARTHUR J. MENDENHALL Date 01-25-00

## CONTINUATION

REV. 1

NYE COUNTY NUCLEAR WASTE REPOSITORY PROJECT OFFICE

CUTTINGS SAMPLE LOG

CONTINUATION

Borehole ID ENC-EWDP-0008 Drill Depth From 385 To 450 Page 7 of 8

DEPTH (Feet)	Top/Bottom of Cuttings Sample Interval	Description of Lithology - Petrology	GRAPHIC LOG	LITHOLOGIC UNIT	Notes
390	BCS 0000 5345	VALLEY FILL AS ABOVE, sand, clay, cobbles OVERALL UNITS LIGHT GRAY (N7)			
395	BCS 0000 5346				
400	BCS 0000 5347				
405	BCS 0000 5348				
410	BCS 0000 5349				
415	BCS 0000 5350				
420	BCS 0000 5351				
425	BCS 0000 5352				
430	BCS 0000 5353				
435	BCS 0000 5354				
440	BCS 0000 5355				
445	BCS 0000 5356				↓ SMOOTH DRILLING
450	BCS 0000 5357				

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NYE COUNTY NUCLEAR WASTE REPOSITORY PROJECT OFFICE

CUTTINGS SAMPLE LOG

CONTINUATION

Borehole ID ENC-EN/DP-02.008 Drill Depth From 450 To 515 Page 8 of 8

DEPTH (Feet)	Top/Bottom of Cuttings Sample Interval	Description of Lithology - Petrology	GRAPHIC LOG	LITHOLOGIC UNIT	Notes
455	BCS 0000 5358	VALLEY FILL, CLAY/SILT, SAND AND CORRALES, CONT OVERALL UNIT COLOR VARIED FROM LIGHT GRAY (N7) TO LIGHT BROWNISH GRAY (5YR 6/1)			
460	BCS 0000 5359				
465	BCS 0000 5360				
470	BCS 0000 5361				
475	BCS 0000 5362				
480	BCS 0000 5363				ROUGH DRILLING 475-485
485	BCS 0000 5364				
490	BCS 0000 5365				SMOOTH DRILLING
495	BCS 0000 5366				
500	BCS 0000 5367				
505	BCS 0000 5368	HOLE WILL BE DEEPEMED			LAYNE'S CABOT DRILL RIG T.D AT 503 FT. ON 01-24-00 Hole returned to 26" to 503. Hole cased w/ 16" 1/4 wall steel to 503.9'-cemented
510					
515					

Prepared By ARTHUR J. MENDEMHALL Date 01-25-00 Checked By J.S. Walker Date 1-26-00