

NYE COUNTY NUCLEAR WASTE REPOSITORY PROJECT OFFICE

CUTTINGS SAMPLE LOG

Borehole ID NC-EWDP-075 Drill Depth From 0.0 To 53.2 Page 1 of 1

Driller RICHARD SHULER Start Date/Time 2/23/00 1100 End Date/Time 2/26/00 0940

Drilling Equip./Method TH 75 / REVERSE CIRCULATION (AIR) Sampling Equip./Method CYCLONE - SAMPLE SPLITTER

DEPTH (Feet)	Top/Bottom of Cuttings Sample Interval	Description of Lithology - Petrology	GRAPHIC LOG	Lithologic Unit	Notes
	BCS 0000 4651	SPRING DEPOSIT, WHITE (N9) CALICHE & GRAYISH ORANGE PINK (5YR 7/2) SAND. BOTH REACT STRONGLY WITH ACID.			DRILLED WITH AIR ONLY
10	BCS 0000 4652	5-20' MOSTLY SILT SIZE MATERIAL, YELLOWISH GRAY (5Y 8/1). REACTS STRONGLY WITH ACID. MINOR FRAGMENTS OF MIXED VARIETY OF VOLCANIC TUFFS			
	BCS 0000 4653				
20	BCS 0000 4654				
	BCS 0000 4655	20-30' FRAGMENTS OF MEDIUM GRAY (N5) MASSIVE TUFF WITH GRAYISH ORANGE (10YR 7/4) SILT. SILT REACTS STRONGLY WITH ACID			
30	BCS 0000 4656				AT 26' RETURN WAS DAMP. WATER PRESENT IN RETURN AT 34' STOPPED HOLE AT 35' TO SAMPLE FIRST WATER. STATIC WATER LEVEL WAS AT 21.94'
	BCS 0000 4657	30-35' SILT & SAND, GRAYISH ORANGE (10YR 7/4) REACTS STRONGLY WITH ACID. INTERVAL WAS WET.			
	BCS 0000 4658	35-40' SILT & SAND, PALE YELLOWISH BROWN (10YR 6/2) REACTS STRONGLY WITH ACID. INTERVAL WAS WET WITH WATER IN THE RETURN.			
	BCS 0000 4659	40-45' SAND & GRAVEL, LIGHT OLIVE GRAY (5Y 6/1) CLASTS OF LIGHT GRAY (N7) TO MEDIUM DARK GRAY (N4) OF VOLCANIC TUFF. REACTS STRONGLY WITH ACID. RETURN WAS DRY BELOW 41.			
	BCS 0000 4660	45-50' SIMILAR TO MATERIAL AT 5-20'			
50	BCS 0000 4661	50-53.2' GRAVEL VERY PALE ORANGE (10YR 8/2) WITH MODERATE REDDISH BROWN (10R 4/6) CLAY. RETURN BECAME MOIST BELOW 52'. REACTS STRONGLY WITH ACID.			
53.2	T.D.	T.D. = 53.2' HOLE WAS STOPPED AT 53.2' TO SET 45' OF 16" CASING. WHEN CASING BECAME STUCK AT 24.75' IT WAS DECIDED TO MAKE THIS A PIEZOMETER HOLE, AND START ANOTHER HOLE TO GO DEEPER.			

QUALITY ASSURANCE RECORD
MAR 23 2000
THIS IS A RED STAMP
DO NOT REMOVE
1824

Prepared By BENT AAQUIST Date 2-29-00 Checked By W. Stock Date 2/29/00