

APPENDIX 2A

ATTACHMENT 1

BORING LOGS

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7D DOCKETED USNRC
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 RULEMAKINGS AND
 ADJUDICATIONS STAFF

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Boring C-4	2		

Site: Private Fuel Storage Facility, Skull Valley, UT

Client: Private Fuel Storage, L.L.C.

Coordinates: N 7318603.98 E 1284062.70

Groundwater Depth: N/A ft

Contractor: Earthcore, Inc.

Logged by: R. Gillespie

Date Start - Finish: 10/18/96 - 10/18/96

Ground Elevation: 4487.5 ft

Total Depth Drilled: 31.5 ft

Rig Type: Acker Soil Sentry

Depth to Bedrock: N/A ft

Driller: Strickland

Methods:

Drilling Soil: 3 1/4" I.D. Hollow Stem Augers

Sampling Soil: 2" O.D. Split Spoon, 140# hammer.

Drilling Rock:

Casing Used:

Comments: No groundwater or bedrock encountered

Elev (ft)	Depth (ft)	Sample		Blows or Recovery RQD	SPT N Value	USC Symbol	Sample Description
		Type	No.				
4487.5	0	S	1	2-4-5 (9' 0")	9	ML	Clayey SILT, slightly plastic, compact, dry, light brown with white mottling and roots.
4485	5	S	2	8-11-12 (12.0")	23	SP	SAND, uniform, fine, <3% nonplastic fines, very dense, dry, light brown.
4480	10	S	3	7-8-12 (11' 0")	20	SP	SAND, uniform, fine, 3-5% nonplastic fines, dense, dry, light brown.
4475	15	S	4	7-7-10 (15.0")	17	ML,CL	Interlayered SILT and CLAY, slightly plastic, trace fine sand, very stiff, damp, yellow-gray and yellow-brown.
4470	20	S	5	6-9-10 (18' 0")	19	CL	Silty CLAY, slightly plastic, very stiff, damp, yellow-gray, very thinly layered, trace white mottling.

Legend/Notes

- Datum is MSL - NGVD29.
-  indicates groundwater level.
-  indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:

- S = 2" OD Split Spoon
- U = 3" OD Thin-Walled Tube

Approved

R. Thodean

Date

08/31/99

Site: Private Fuel Storage Facility, Skull Valley, UT
Client: Private Fuel Storage, L.L.C.
Coordinates: N 7318592.99 E 1286161.25
Groundwater Depth: N/A ft
Contractor: Earthcore, Inc.

Logged by: R. Gillespie
Date Start - Finish: 10/18/96 - 10/18/96
Ground Elevation: 4494.9 ft
Total Depth Drilled: 31.5 ft
Rig Type: Acker Soil Sentry

Methods: Drilling Soil: 3 1/4" I.D. Hollow Stem Augers
Sampling Soil: 2.0" O.D. Split Spoon, SPT
Drilling Rock:
Casing Used:

Comments: No groundwater or bedrock encountered

Elev (ft)	Depth (ft)	Sample		Blows or Recovery RQD	SPT N Value	USC Symbol	Sample Description
		Type	No.				
*****	0	S	1	2-2-4 (8.0")	6	ML	SILT, non to slightly plastic, compact, damp, light brown, trace roots.
4490	5	S	2	4-10-12 (14.0")	22	SP	SAND, uniform, fine, trace silt, very dense, slightly damp, light brown with orange streaks
4485	10	S	3	7-8-10 (15.0")	18	SP	SAND, similar to S-2.
4480	15	S	4	9-9-14 (14.0")	23	ML	Sandy SILT, nonplastic, fine sand, dense, dry, red-brown, trace of clay in pockets and seams, moderately plastic, gray.
4475	20	S	5	17-20-30 (13.0")	50	SP	SAND, uniform, fine, 5-8% nonplastic silt, very dense, dry, light brown.

Legend/Notes

- Datum is MSL - NGVD29.
- ▽ indicates groundwater level.
- ■ indicates location of samples.
- Blows = number of blows required to drive 2" O.D. sample spoon 6" or distance shown using 140 pound hammer falling 30".
- () = inches of sample recovery.
- Recovery = % rock core recovery.
- RQD = Rock Quality Designation.
- SPT N = Standard Penetration Test resistance to driving, blows/ft.
- USC = Unified Soil Classification system.
- * indicates use of 300 pound hammer.

• Sample Type:

- S = 2" OD Split Spoon
- U = 3" OD Thin-Walled Tube

Approved
P. Trudeau

Date
08/31/99

Site: Private Fuel Storage Facility, Skull Valley, UT

Logged by: R. Gillespie

Elev (ft)	depth (ft)	Sample		Blows or Recovery RQD	SPT N V a l u e	USC Symbol	Sample Description
		Type	No.				
4470	25	S	6	11-14-11 (16 0")	25	ML	SILT, nonplastic, dense, light gray with orange motting Occasional thin layer of silty clay, slightly plastic, light gray, dry to slightly damp.
4465	30	S	7	2-10-12 (18 0")	22	CL	Silty CLAY, slightly to moderately plastic, very stiff, damp, light gray, very thinly layered, some orange-brown stained layers, trace of perched water. BOTTOM OF BORING AT 31.5 FEET
4460	35						
4455	40						
4450	45						
4445	50						
4440	55						
4435	60						

Note: See Sheet 1 for Boring Summary and Legend Information

Approved

R. Trudeau

Date

08/31/99

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