

APPENDIX 2A

ATTACHMENT 1

BORING LOGS

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Stone & Webster Engineering Corporation		BORING LOG		Boring AR-1 J.O. 05996.01 Sheet 1 of 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 Depth to Bedrock: N/A ft Contractor: Earthcore, Inc. Driller: Strickland				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		
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 Type No.	Blows or Recovery RQD	SPT N Val u _c	USC Symbol	Sample Description
***** 4485	0	S 1	2-4-5 (9 0")	9	ML	Clayey SILT, slightly plastic, compact, dry, light brown with white mottling and roots.
4480	5	S 2	8-11-12 (12.0")	23	SP	SAND, uniform, fine, <3% nonplastic fines, very dense, dry, light brown.
4475	10	S 3	7-8-12 (11 0")	20	SP	SAND, uniform, fine, 3-5% nonplastic fines, dense, dry, light brown.
4470	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.
	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 <div style="display: flex; justify-content: space-between;"> <div> <ul style="list-style-type: none"> • 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. </div> <div> Sample Type: S = 2" OD Split Spoon U = 3" OD Thin-Walled Tube </div> </div>						
					Approved 	Date 08/31/99

Stone & Webster Engineering Corporation				BORING LOG		Boring AR-1 J.O. 05996.01 Sheet 2 of 2	
Site: Private Fuel Storage Facility, Skull Valley, UT						Logged by: R. Gillespie	
Elev (ft)	depth (ft)	Sample		Blows or Recovery RQD	SPT N Value	USC Symbol	Sample Description
		Type	No.				
4465	25	S	6	10-15-14 (16 0")	29	CL ML	Top 12": Silty CLAY, moderately to slightly plastic, very stiff, damp, yellow-gray and yellow-brown. Bottom 4": SILT, nonplastic, trace fine sand, dense, slightly damp, light gray.
4460	30	S	7	17-27-24 (16 0")	51	ML	SILT and Clayey SILT, interlayered, non to slightly plastic, very dense, slightly damp, some fine sand, light yellow-gray. BOTTOM OF BORING AT 31.5 FEET
4455	35						
4450	40						
4445	45						
4440	50						
4435	55						
4430	60						

Note: See Sheet 1 for Boring Summary and Legend Information

Approved

[Signature]

Date

08/31/99

**Stone & Webster
Engineering Corporation**

BORING LOG

Boring AR-2
J.O. 05996.01
Sheet 1 of 2

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

Depth to Bedrock: N/A ft

Total Depth Drilled: 31.5 ft

Driller: Strickland

Rig Type: Acker Soil Sentry

Methods:

Casing Used:

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



Sampling Soil: 2.0" O.D. Split Spoon, SPT

Drilling Rock:

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. J. Trudeau

Date

08/31/99

Stone & Webster
Engineering Corporation

BORING LOG

Boring AR-2
J.O. 05996.01
Sheet 2 of 2

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 mottling 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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