Client : GPC c/o SNOC PROJECT: Vogtle Units 3 & 4 COL Project Project number: 6141-06-0286

Boring no.	Sample no.	Depth (ft.)	Material description	Lab no.	% moisture	% fines	Liquid limit	Plastic limit	Maximum density
	SS-14	48.5/169.95 Ft.	SAND, clayey (SC)	6817		26.0			
	SS-16	58.5/159.95	SAND, with clay (SP-SC)	7760		11.3			
	SS-17	63.5/154.95 Ft.	SAND, clayey (SC)	6818	31.5	18.6			
	SS-19	73.5/144.95 Ft.	SAND, silty (SM)	6819	24.2	16.5			
	SS-22	88.5/129.95 Ft.	SAND, with silt (SW-SM)	6820	24.0	8.2			
	SS-24	98.5-100 Ft.		6821	46.2		95	50	
	SS-25	103.5/114.95	SILT, (MH)	7761	50.7	94.3	97	50	
	SS-28	118.5/99.95 Ft.	SILT, sandy (ML)	6822	38.2		56.8	31.6	
	SS-31	133.5-135 Ft.	Gray Clayey	6823	34.3		65.9	32.7	
	SS-34	148.5/69.95	CLAY, with sand (CL)	7762	31.0	73.7	49	25	
B-4005									
	SS-5	8.5/212.63	SAND, silty (SM)	7763		13.3			
	SS-8	18.5/202.63	SAND, clayey (SC)	7764		31.9			
	SS-12	38.5/182.63	SAND, clayey (SC)	7765		36.9			
	SS-24	98.5/122.63	SILT (MH)	7766	52.2	96.9	92	45	
	SS-26	113.5/107.63	SILT, sandy (MH)	7767	31.6	64.9	63	34	
	SS-29	128.5/92.63	SILT (MH)	7768	45.1	87.9	68	33	
	SS-32	143.5/77.63	CLAY, with sand (CL)	7769	21.3	71.5	41	23	
B-4006									
	SS-6	11.0/209.98	SAND, clayey (SC)	7770		24.5			
	SS-9	23.5/197.48	SAND, clayey (SC)	7771		18.5			
	SS-15	53.5/167.48	SAND, silty (SM)	7772		19.3			
	SS-29	123.5/97.48	SILT, with sand (MH)	7773	45.2	82.2	73	35	
	SS-33	143.5/77.48	CLAY, sandy (CH)	7774	17.7	64.7	53	23	
B-4007									
	SS-3	3.5/214.40	SAND, clayey (SC)	7775		19.0			
	SS-10	28.5/189.40	SAND, clayey (SC)	7776		15.6			
	SS-16	58.5/159.40	SAND, clayey (SC)	7777		12.5			
	UD-1	98.5/119.40	SILT (MH)	7568		59.3	95	52	
	SS-25	108.5/109.40	SILT, with sand (MH)	7778	40.3	74.0	87	48	
	UD-2	118.5/99.40	CLAY sandy (CH)	7569		51.1	53	27	
	SS-28	128.5/89.40	SILT, with sand (MH)	7779	38.3	75.5	66	34	
B-4008									
	SS-4	6.0/212.08	SAND, clayey (SC)	7780		26.8			
	SS-7	13.5/204.58	SAND, silty (SM)	7781		18.0			
	SS-12	38.5/179.58	SAND, silty (SM)	7782	45.9	34.6	81	53	
	SS-24	108.5/109.58	SILT, with sand (MH)	7783	46.4	79.3	96	43	

Client : GPC c/o SNOC PROJECT: Vogtle Units 3 & 4 COL Project Project number: 6141-06-0286

Boring no.	Sample no.	Depth (ft.)	Material description	Lab no.	% moisture	% fines	Liquid limit	Plastic limit	Maximum density
	UD-3	123.5/94.58	CLAY (CH)	7573		94.6	76	35	
	SS-31	153.5/64.58	CLAY, sandy (CL)	7784	26.6	67.7	47	23	
B-4009									
	SS-5	8.5/209.41	SAND, silty (SM)	7785		19.9			
	SS-8	18.5199.41	SAND, silty, clayey (SC-SM)	7786		17.9			
	SS-12	38.5/179.41	SAND, silty (SM)	7787	47.0	42.2	45	27	
	SS-17	63.5/154.41	SAND, with silt (SP-SM)	7788		9.8			
	SS-24	98.5/119.41	SILT, (MH)	7789	45.4	93.3	109	62	
	UD-1	108.0/109.91	SILT, (MH)	7575		89.1	89	48	
	SS-28	123.5/94.41	SILT, with sand (MH)	7790	31.0	79.1	62	32	
	SS-34	158.5/59.41	CLAY, sandy (CH)	7791	26.5	69.9	60	26	
B-4010									
	SS-5	8.5/210.59 ft.	SAND, silty (SM)	7792		19.1			
	SS-10	28.5/190.59 ft.	SAND, silty,clayey (SC-SM)	7793		21.4			
	SS-14	48.5/170.59 ft.	SAND, silty,clayey (SC-SM)	7794		23.7			
	SS-25	108.5/110.59 ft.	SILT, with sand (MH)	7795	38.2	82.1	67	39	
	SS-29	143.5/75.59 ft.	CLAY, sandy (CH)	7796	31.1	69.9	56	26	
B-4011									
	SS-5	8.5/210.58 ft.	SAND, silty (SM)	7797		23.9			
	SS-9	23.5/195.58 ft.	SAND, silty, clayey (SC-SM)	7798		18.4			
	SS-15	53.5/165.58 ft.	SAND, with silt (SP-SM)	7799		10.2			
	SS-23	93.5/125.58 ft.	SILT, with sand (MH)	7800	30.8	76.0	71	46	
	SS-26	108.5/110.58 ft.	SILT, with sand (MH)	7801	37.2	84.1	65	36	
B-4013									
	SS-4	6.0/216.24 ft.	SAND, silty (SM)	7802		12.4			
	SS-10	21.0/201.24 ft.	SAND, Clayey (SC)	7803		31.1			
	SS-16	36.0/186.24 ft.	CLAY, sandy (CL)	7804		56.6			
	SS-22	51.0/171.24 ft.	SAND, clayey (SC)	7805		13.1			
B-4014									
	SS-2	1.5/219.24 Ft.	SAND, with silt (SP-SM)	7300		9.2			
	SS-4	6.0/214.74 Ft	SAND, (SP)	7301		4.5			
	SS-6	11.0/209.74 Ft.	SAND, clayey (SC)	7302		25.7			
	SS-8	18.5/202.24 Ft.	SAND, silty, clayey (SC-	7303		25.5	51	19	

Client : GPC c/o SNOC PROJECT: Vogtle Units 3 & 4 COL Project Project number: 6141-06-0286

Boring no.	Sample no.	Depth (ft.)	Material description	Lab no.	% moisture	% fines	Liquid limit	Plastic limit	Maximum density
			SM)						
	SS-10	28.5/192.24 Ft.	SAND, silty, clayey (SC-SM)	7304		35.5			
	SS-12	38.5/182.24 Ft.	SILT, sandy (MH)	7305		67.4	95	49	
	SS-14	48.5/172.24 Ft.	SAND,clayey (SC)	7306		13.1			
	SS-16	58.5/162.24 Ft.	SAND, clayey (SC)	7307		12.8			
	SS-25	103.5/117.24 ft.	Silt, sandy (MH)	7806	29.9	67.8	56	35	
B-4015									
	SS-3	3.5/216.61 ft.	SAND, silty (SM)	7807		14.9			
	SS-16	58.5/161.61 ft.	SAND with silt (SP-SM)	7808		6.8			
	SS-22	88.5/131.61 ft.	SILT, (MH)	7809	41.1	81.6	83	49	
	SS-25	103.5/116.61 ft.	CLAY, with sand (CH)	7810	34.8	82.1	86	37	
	SS-32	138.5/81.61	CLAY, with sand (CL)	7811	21.0	75.0	44	21	
B-4016									
	SS-24	98.5/122.73 ft.	SILT, with sand (MH)	7812	44.3	79.7	88	45	
B-4017									
	SS-4	6.0/214.94 ft.	SAND, clayey (SC)	7813		27.1			
	SS-9	23.5/197.44	SAND, clayey (SC)	7814		17.0			
	SS-30	138.5/82.44 ft.	CLAY, with sand (CL)	7815	34.7	74.7	40	24	
B-4018									
	UD-4	128.5/91.80	CLAY (CL)	7584		81.8	35	23	
B-4022									
	SS-6	11.0/209.71 ft	SAND, clayey (SC)	7816		24.8			
	SS-15	53.5/167.21	SAND, with clay (SP-SC)	7817		11.4			
B-4023									
	SS-3	3.5/217.21 ft.	SAND, clayey (SC)	7818		30.4			
	SS-9	23.5/197.21 ft.	SAND, clayey (SC)	7819		19.3			
B-4026									
	SS-4	6.0/215.54 ft.	SAND, silty with gravel	7820		11.0			
	SS-7	13.5/208.04 ft.	SAND, silty, clayey (SC-SM)	7821		28.4			
	SS-11	33.5/188.04	SAND, silty (SM)	7822		22.8			
	SS-15	53.5/168.04	SAND, silty, clayey (SC-SM)	7823		23.8			
B-4030									
	UD-1	13.5/208.85	SAND with silt (SP-SM)	7824		10.7			

Client : GPC c/o SNOC PROJECT: Vogtle Units 3 & 4 COL Project Project number: 6141-06-0286

Boring no.	Sample no.	Depth (ft.)	Material description	Lab no.	% moisture	% fines	Liquid limit	Plastic limit	Maximum density
	UD-2	28.5/193.85	SAND with silt (SP-SM)	7605	12.5	8.5			
	UD-3	33.5/188.85	SAND with silt (SP-SM)	7606		9.6			
B-4031									
	UD-1	28.5/193.63	SAND, silty (SM)	7610		17.6			
B-4032									
	UD-1	28.5/191.74	SAND, silty (SM)	7613		22.9			
	UD-2	33.5/186.74	SAND, silty (SM)	7614		11.1			
	UD-3	38.5/181.72	SAND (SP)	7615		3.3			
B-4033									
	UD-1	28.5/191.43	SAND with silt (SP-SM)	7616		11.1			
	UD-2	33.5/186.43	SAND, silty clayey (SC-SM)	7617	22.8	36.6			
B-4034									
	UD-1	28.5/194.29	SAND, silty (SM)	7619	18.0	13.4			
	UD-3	38.5/184.29	SAND, with clay (SP-SC)	7621			NV	NP	
	UD-5	113.5/109.29	SILT, gravel with sand (MH)	7623		56.2	53	31	
	UD-6	143.5/79.29	CLAY, sandy (CL)	7624		61.9	47	26	
B-4035									
	UD-2	103.5/117.02	SILT (MH)	7587		83.8	86	50	
	UD-3	148.5/72.02	CLAY, sandy (CL)	7588	24.3	66.4	43	22	
B-6020									
	SS-2	1.5/219.98	SAND, clayey (SC)	7826		29.1	53	27	
	SS-4	6/215.48	SAND with silt (SP-SM)	7827		9.9	NV	NP	
	SS-6	11/210.48	SAND, silty, clayey (SC-SM)	7828		23.4	47	25	
	SS-14	48.5/172.98	SAND, silty (SM)	7829	44.3	41.6	111	60	
	SS-16	58.5/162.98	SAND, silty (SM)	7830	46.1	34.3	139	78	
B-6021									
	SS-4	6/203.8	SAND, clayey (SC)	7831		26.7	41	22	
	SS-7	13.5/196.30	SAND,silty (SM)	7832		33.6	47	28	
B-6022									
	SS-12	38.5/177.73	SAND, silty (SM)	7833	41.8	47.3	82	41	
	SS-14	48.5/167.73	SAND, clayey (SC)	7834	27.4	18.1	68	29	
B-6023									
	SS-5	8.5/194.27	SAND, clayey (SC)	7835		17.0	36	17	
B-6027									
	SS-3	7.5/89.15	SAND with silt (SP-SM)	7431	21.2	7.6			

Client : GPC c/o SNOC PROJECT: Vogtle Units 3 & 4 COL Project Project number: 6141-06-0286

Boring no.	Sample no.	Depth (ft.)	Material description	Lab no.	% moisture	% fines	Liquid limit	Plastic limit	Maximum density
	SS-5	12.5/84.15	SAND, with silt and gravel (SP-SM)	7432	16.3	9.9			
	SS-7	20/76.65	SAND, silty (SM)	7433	24.3	47.8			
	SS-8	23.5/73.15	SAND,silty (SM)	7434	22.9	46.5			
	SS-10	33.5/63.15	SAND, silty (SM)	7435	17.3	21.8			
	SS-11	38.5/58.15	SAND. with silt (SP-SM)	7436	23.8	6.7			
	SS-13	48.5/48.15	SAND, with silt (SP-SM)	7437	29.5	8.7			
	SS-14	53.5/43.15	SAND, silty (SM)	7438	23.8	22.5	46	29	
	SS-15	58.5/38.15	SAND, silty (SM)	7439	32.4	21.2	45	29	
	SS-16	63.5/33.15	SAND, with silt (SW-SM)	7440	24.8	8.8			
B-6028									
	SS-3	3.5/92.20	SAND, with silt (SP-SM)	7441	9.5	10.8			
	SS-5	8.5/87.20	SAND, with silt (SP-SM)	7442	8.1	11.6			
	SS-6	11/84.70	SAND, with silt (SP-SM)	7443	14.4	9.0			
	SS-8	18.5/77.20	SILT (ML)	7444	33.0	97.4	49	28	
	SS-10	28.5/67.20	SAND (SP)	7445	25.6	2.4			
	SS-12	38.5/57.20	SAND (SP)	7446	19.8	1.6			
	SS-14	48.5/47.20	SAND, with silt (SW-SM)	7447	19.6	6.8			
B-6029									
	SS-3	3.5/81.91	SAND, clayey (SC)	7448	33.2	42.9	43	20	
	SS-5	8.5/76.91	CLAY, sandy (CL)	7449	37.1	55.8	42	20	
	SS-6	11/74.41	SAND, silty (SM)	7450	32.7	45.8			
	SS-8	18.5/66.91	CLAY, sandy (CH)	7451	46.2	69.8	76	26	
	SS-12	38.5/46.91	SAND, with silt (SP-SM)	7452	23.4	10.9			
B-6030									
	SS-2	1.5/86.87	CLAY, sandy (CL)	7453	31.4	70.0	42	23	
	SS-4	6/82.37	SAND. clayey (SC)	7454	26.4	29.1	69	22	
	SS-6	11/77.37	SAND, silty (SM)	7455	31.1	33.0			
	SS-8	18.5/69.87	SAND, silty (SM)	7456	47.7	49.3	NV	NP	
	SS-9	23.5/64.87	SAND, silty (SM)	7457A	42.5	46.9	42	28	
	SS-12	38.5/49.87	SAND, with silt (SP-SM)	7458	23.1	7.9			
	SS-13	43.5/44.87	CLAY, sandy (CH)	7459	35.9	55.5	54	22	
TP-B-1108									
	B1	8.5/255.64 Ft.	SAND, silty (SM)	7351	14.8	24.9			120.0
TP-B-1117									
	B1	6/263.50 Ft.	SAND, with silt (SP-SM)	7348	5.1	7.8			111.3
TP-B-1121									

Client : GPC c/o SNOC PROJECT: Vogtle Units 3 & 4 COL Project Project number: 6141-06-0286

Boring no.	Sample no.	Depth (ft.)	Material description	Lab no.	% moisture	% fines	Liquid limit	Plastic limit	Maximum density
TP-B-1125	B1	6/235.17 Ft.	SAND, silty (SM)	7347	13.7	12.3	NV	NP	116.3
TP-B-1185	B1	6/234.61 Ft.	SAND, with silt (SP-SM)	7349	7.3	5.0	NV	NP	107.1
TP-B-1194	B1	6/219.17 Ft.	SILT, with sand (MH)	7354	63.3	73.3	91	46	
						28.1			
TP-B-1197	B1	5/197.73 Ft.	SAND, with silt (SP-SM)	7352	5.4	8.4			112.8
	B2	8/194.73 Ft.	SAND, silty, clayey (SC-SM)	7353	15.1	28.1	37	22	120.7
B-1195	B1	5/240.94 Ft.	SAND, with silt (SP-SM)	7350	6.6	10.1	NV	NP	113.2
B-1197	SS-2	1.5/197.85	SAND, with silt (SP-SM)	7033	5.4	7.1	NV	NP	
	SS-4	6/193.35	SAND, with silt (SP-SM)	7034	7.2	6.8	NV	NP	
	SS-6	11/188.35	SAND, clayey (SC)	7035	14.5	18.4			
	SS-8	18.5/180.85	SAND, clayey (SC)	7036	13,5	22.8			
	SS-10	28.5/170.85	SAND, clayey (SC)	7037	19.7	19.3			
	SS-12	38.5/160.85	SAND, clayey (SC)	7038	33.1	25.2			
	SS-14	48.5/150.85	SAND, clayey (SC)	7039	39.8	35.6			
B-4032A	SS-2	1.5/219.10	SAND, with silt (SP-SM)	7047	5.6	9.9	NV	NP	
	SS-4	6/214.60	SAND, silty (SM)	7048	14.2	12.3			
	SS-6	11/209.60	SAND, silty (SM)	7049	11.9	13.8	NV	NP	
	SS-8	18.5/202.10	SAND, with silt (SP-SM)	7050	13.5	8.4			
	SS-10	28.5/192.10	SAND, with silt (SP-SM)	7051	17.1	10.5			
	SS-12	38.5/182.10	SAND, with silt (SP-SM)	7052	5.9	8.1			
	SS-14	48.5/172.10	SAND, silty (SM)	7053	48.5	43.3			
	UD-1	38.5/181.72	SAND (SP)	7615	19.2	3.3			
						total=486			

MACTEC

SPECIFIC GRAVITY TEST

ASTM D854 - 06

Record No. **489**

Project No. 6141-06-0286 | Tested By EH | Reviewed By HJ

Project Name Vogtle Col Unit 3 & 4 | Test Date 1/07-07/07 | Review Date 7/30/2007

Boring No.	Sample No. or Depth Ft.	Pan No.	Lab No.	Flask no.	Temperature (^{0}C)	Weight, WF (grams)	Weight, WFS (grams)	Weight of Soil (grams)	Weight, CWF (grams)	Weight, DS (grams)	Specific Gravity (at test temp.)	Specific Gravity (at 20^{0}C)
B-1155	SS-3 (3.5-5.0)	57	6824	27	22.6	201.75	239.74	37.99	363.85	387.51	2.651	2.649
B-1155	SS-6(11-12.5)	11	6825	8	22.7	183.66	201.65	17.99	346.80	358.20	2.730	2.727
B-1155	SS-14 (48.5-50	5	6828	7	22.6	172.83	225.84	53.01	347.15	380.81	2.740	2.737
B-1156	SS-4 (6-7.5)	17	6835	27	22.6	293.15	321.94	28.79	363.42	381.79	2.763	2.761
B-1156	SS-6 (11-12.5)	31	6836	SB7	22.7	182.93	212.86	29.93	366.27	384.98	2.668	2.665
B-1157	SS-3 (3.5-5.0)	38	6848	SP5	22.5	199.30	246.84	47.54	364.48	394.14	2.659	2.656
B-1157	SS-6 (11-12.5)	22	6849	3	22.6	163.76	193.63	29.87	338.40	357.01	2.653	2.650
B-1157	SS-8 (18.5-20)	42	6850	4	22.6	161.82	185.81	23.99	341.27	355.89	2.560	2.558
B-1159	SS-6	V-77	6859	2184	24.0	252.28	287.01	34.73	364.40	385.67	2.580	2.579
B-1159	SS-8	R-28	6860	2054	24.0	190.69	224.79	34.10	338.35	359.27	2.587	2.586
B-1159	SS-3	V-31	6858	2192	23.0	241.24	275.56	34.32	366.20	388.17	2.78	2.777
B-1161	SS-10	V-81	6867	2057	23.5	189.26	243.83	54.57	341.25	375.63	2.703	2.701
B-1161	SS-12	R-6	6869	2193	23.0	244.76	279.43	34.67	366.00	387.29	2.591	2.590
B-1162	55.0	V-75	7626	2184	22.5	237.79	271.96	34.17	363.73	385.14	2.678	2.676
B-1162	SS-6	R-2	6874	2197	24.0	201.07	235.65	34.58	346.70	368.76	2.762	2.760
B-3001	115.5	WB-14	7495	2192	23.5	207.56	247.22	39.66	366.20	390.94	2.658	2.657
B-3001	135.5	WB-5	7496	2192	24.2	206.67	265.57	58.90	366.43	402.82	2.617	2.614
B-3001	210.5	V-25	7500	2184	23.5	249.90	304.36	54.46	363.65	398.56	2.786	2.783
B-3013	99.7	V-72	7515	2055	21.0	180.72	213.47	32.75	341.40	361.82	2.656	2.654
B-3017	95.0	R-79	7522	2057	21.0	176.31	212.14	35.83	341.43	363.63	2.629	2.627
B-3030	UD-2	V-16	7590	2197	24.3	201.44	235.72	34.28	346.70	368.40	2.725	2.723
B-3033	UD-1	C-13	7595	2053	24.0	197.60	253.55	55.95	339.45	374.60	2.690	2.688
B-3033	UD-4	R-19	7598	2193	23.5	244.29	299.66	55.37	366.00	401.00	2.718	2.716
B-4001	310.5	E-1	7558	2184	25.0	229.41	262.81	33.40	363.55	384.51	2.685	2.683

MACTEC

SPECIFIC GRAVITY TEST

ASTM D854 - 06

Record No. **489**

Project No. 6141-06-0286 | Tested By EH | Reviewed By HJ

Project Name Vogtle Col Unit 3 & 4 | Test Date 1/07-07/07 | Review Date 7/30/2007

Boring No.	Sample No. or Depth Ft.	Pan No.	Lab No.	Flask no.	Temperature (^{0}C)	Weight, WF (grams)	Weight, WFS (grams)	Weight of Soil (grams)	Weight, CWF (grams)	Weight, DS (grams)	Specific Gravity (at test temp.)	Specific Gravity (at 20^{0}C)
B-4002	125.5	WB-14	7561	2053	25.0	169.71	215.71	46.00	339.25	367.93	2.656	2.653
B-4004	SS-5	R-43	6814	2055	24.0	198.59	233.41	34.82	341.15	363.30	2.748	2.746
B-4004	SS-8	V-61	6815	2053	24.2	193.31	249.82	56.51	339.40	374.92	2.692	2.692
B-4007	100.5	C-31	7568	2057	23.8	190.72	225.16	34.44	341.15	362.87	2.708	2.707
B-4007	UD-1	C-31	7568	2057	23.8	190.72	225.16	34.44	341.15	362.87	2.708	2.705
B-4008	125.5	V-32	7573	2052	24.0	204.49	239.01	34.52	343.00	364.28	2.607	2.605
B-4008	UD-3	V-32	7573	2052	24.0	204.49	239.01	34.52	343.00	364.28	2.607	2.605
B-4030	UD-1	V-65	7604	2055	23.8	198.30	255.10	56.80	341.20	377.10	2.718	2.715
B-4030	UD-5	R-11	7608	2052	24.0	197.54	232.19	34.65	343.00	364.74	2.684	2.681
B-4034	146.0	C-21	7624	2197	24.5	182.93	224.20	41.27	346.70	372.91	2.740	2.738

WF= Water and Flask WFS= Water, Flask and Soil CWF = Calibration Water and Flask DS = Deaired Sample, Water and Flask

COMPACTION TEST REPORT

Project No.: 6141-06-0286 **Date:** 4/10/07
Project: Vogtle Units 3 & 4 COL Project

Location: TP-B-1125
Elev./Depth: 6/234.61 Ft. **Sample No.** B1
Remarks: Tested by: CS Reviewed by: HJ

MATERIAL DESCRIPTION

Description: SAND, with silt (SP-SM)

Classifications - **USCS:** SP-SM **AASHTO:** A-3
Nat. Moist. = 7.3 % **Sp.G. =** 2.7
Liquid Limit = NV **Plasticity Index =**
% > No.4 = 0.0 % **% < No.200 =** 5.0 %

TEST RESULTS
Maximum dry density = 107.1 pcf
Optimum moisture = 8.5 %

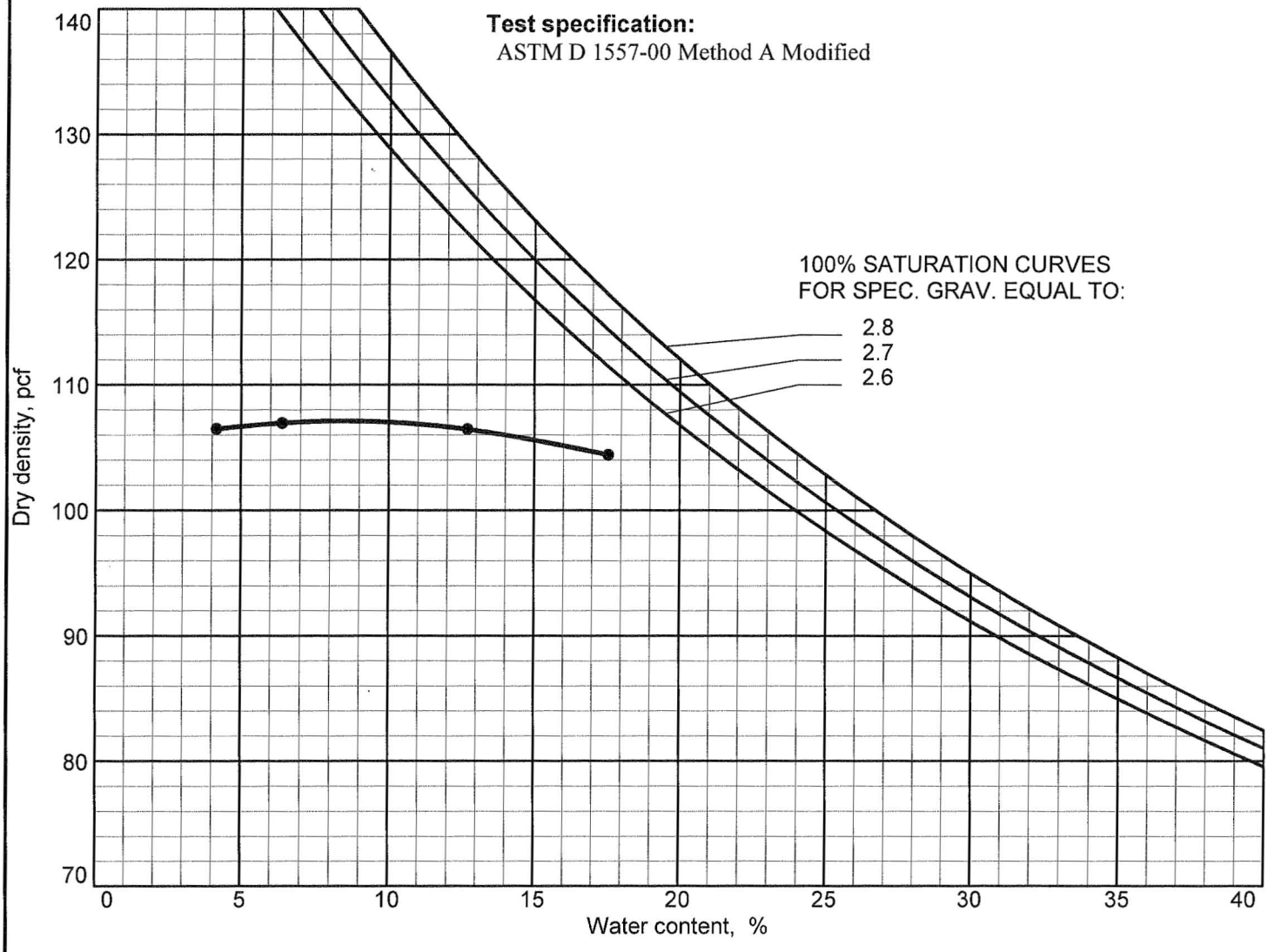


Figure 7349

COMPACTION TEST REPORT

Project No.: 6141-06-0286 **Date:** 4/12/07

Project: Vogtle Units 3 & 4 COL Project

Location: TP-B-1121

Elev./Depth: 6/235.17 Ft. **Sample No.** B1

Remarks: Tested by: CS Reviewed by: HJ

MATERIAL DESCRIPTION

Description: SAND, silty (SM)

Classifications - **USCS:** SM **AASHTO:** A-2-4(0)

Nat. Moist. = 13.7 % **Sp.G. =** 2.7

Liquid Limit = NV **Plasticity Index =** NP

% > No.4 = 0.1 % **% < No.200 =** 12.3 %

TEST RESULTS
Maximum dry density = 116.3 pcf
Optimum moisture = 6.7 %

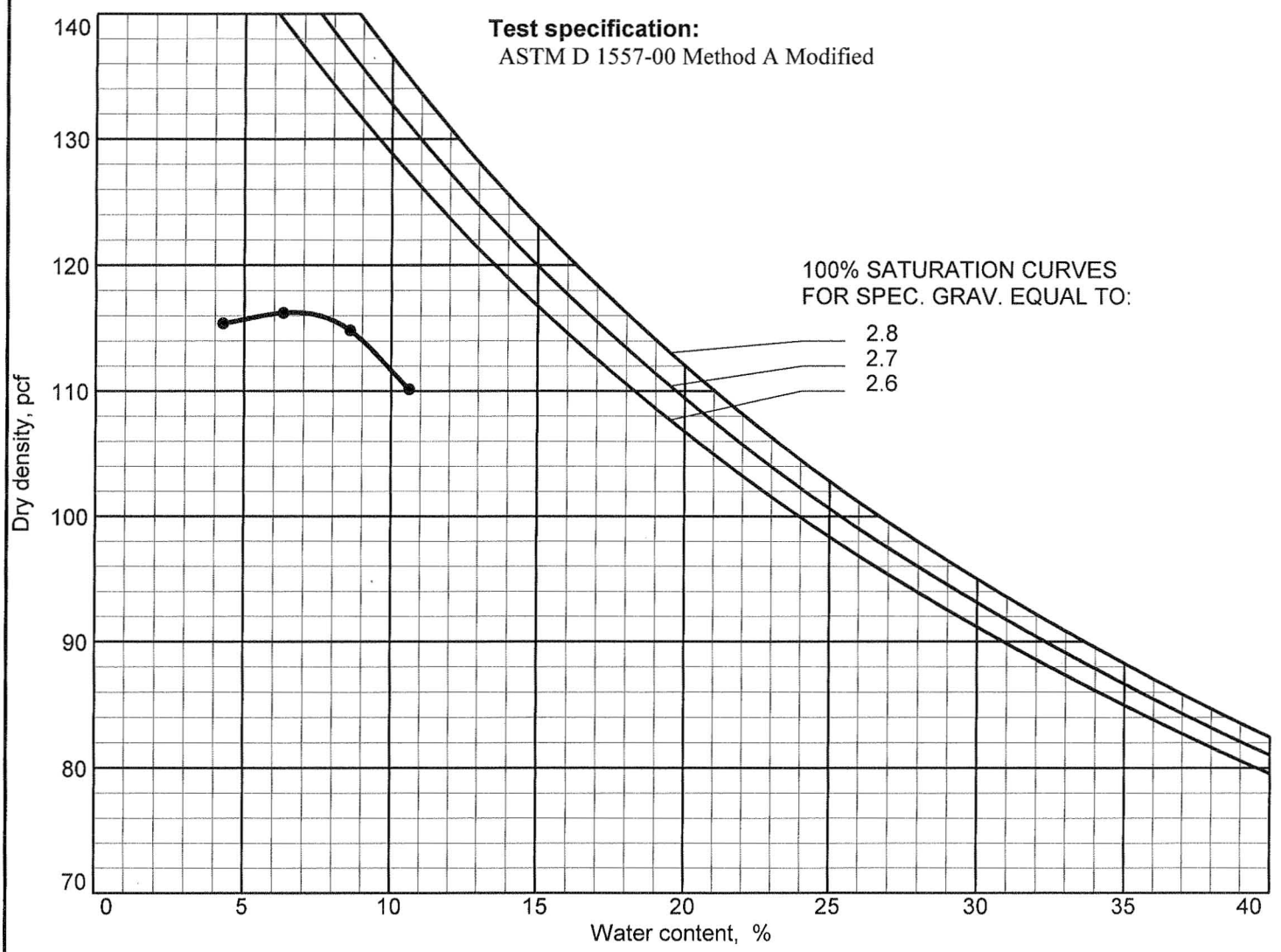


Figure 7347

COMPACTION TEST REPORT

Project No.: 6141-06-0286 **Date:** 4/10/07

Project: Vogtle Units 3 & 4 COL Project

Location: TP-B-1117

Elev./Depth: 6/263.50 Ft. **Sample No.** B1

Remarks: Tested by: CS Reviewed by; HJ

MATERIAL DESCRIPTION

Description: SAND, with silt (SP-SM)

Classifications - **USCS:** **AASHTO:** A-3

Nat. Moist. = 5.1 % **Sp.G. =** 2.7

Liquid Limit = **Plasticity Index =**

% > No.4 = 0.0 % **% < No.200 =** 7.8 %

TEST RESULTS
Maximum dry density = 111.3 pcf
Optimum moisture = 12.4 %

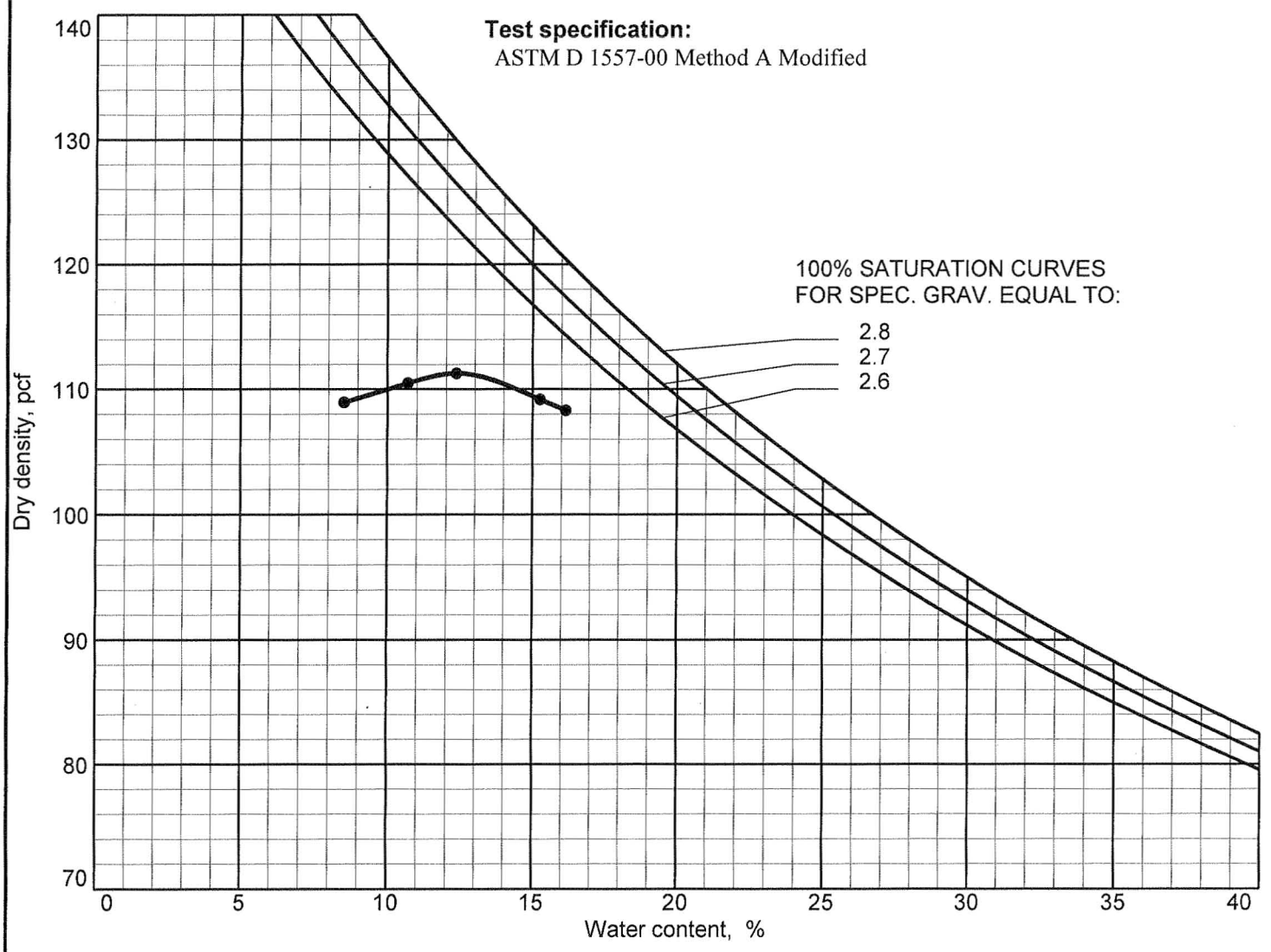


Figure 7348

COMPACTION TEST REPORT

Project No.: 6141-06-0286 **Date:** 4/12/07
Project: Vogtle Units 3 & 4 COL Project

Location: TP-B-1197
Elev./Depth: 5/240.94 Ft. **Sample No.** B1
Remarks: Tested by: CS Reviewed by: HJ

MATERIAL DESCRIPTION

Description: SAND, with silt (SP-SM)

Classifications - **USCS:** SP-SM **AASHTO:** A-3
Nat. Moist. = 6.6 % **Sp.G. =** 2.7
Liquid Limit = NV **Plasticity Index =** NP
% > No.4 = 0.0 % **% < No.200 =** 10.1 %

TEST RESULTS
Maximum dry density = 113.2 pcf
Optimum moisture = 10.7 %

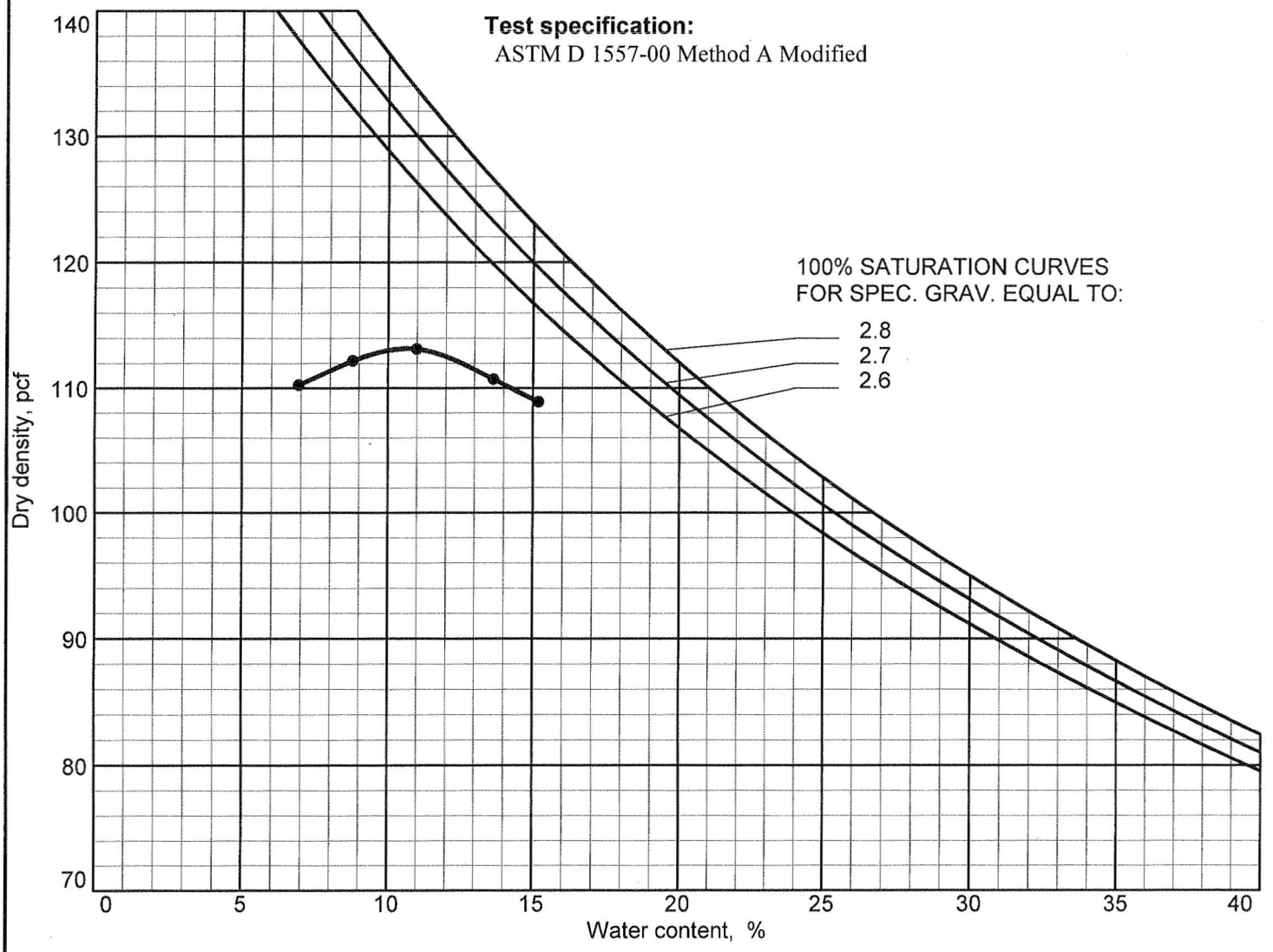


Figure 7350

COMPACTION TEST REPORT

Project No.: 6141-06-0286 **Date:** 4/12/07
Project: Vogtle Units 3 & 4 COL Project

Location: TP-B-1108
Elev./Depth: 8.5/255.64 Ft. **Sample No.** B1
Remarks: Tested by: CS Reviewed by: HJ

MATERIAL DESCRIPTION

Description: SAND, silty (SM)

Classifications - **USCS:** SM **AASHTO:** A-2-4(0)
Nat. Moist. = 14.8 % **Sp.G. =** 2.7
Liquid Limit = **Plasticity Index =**
% > No.4 = 0.0 % **% < No.200 =** 24.9 %

TEST RESULTS
Maximum dry density = 120.0 pcf
Optimum moisture = 12.2 %

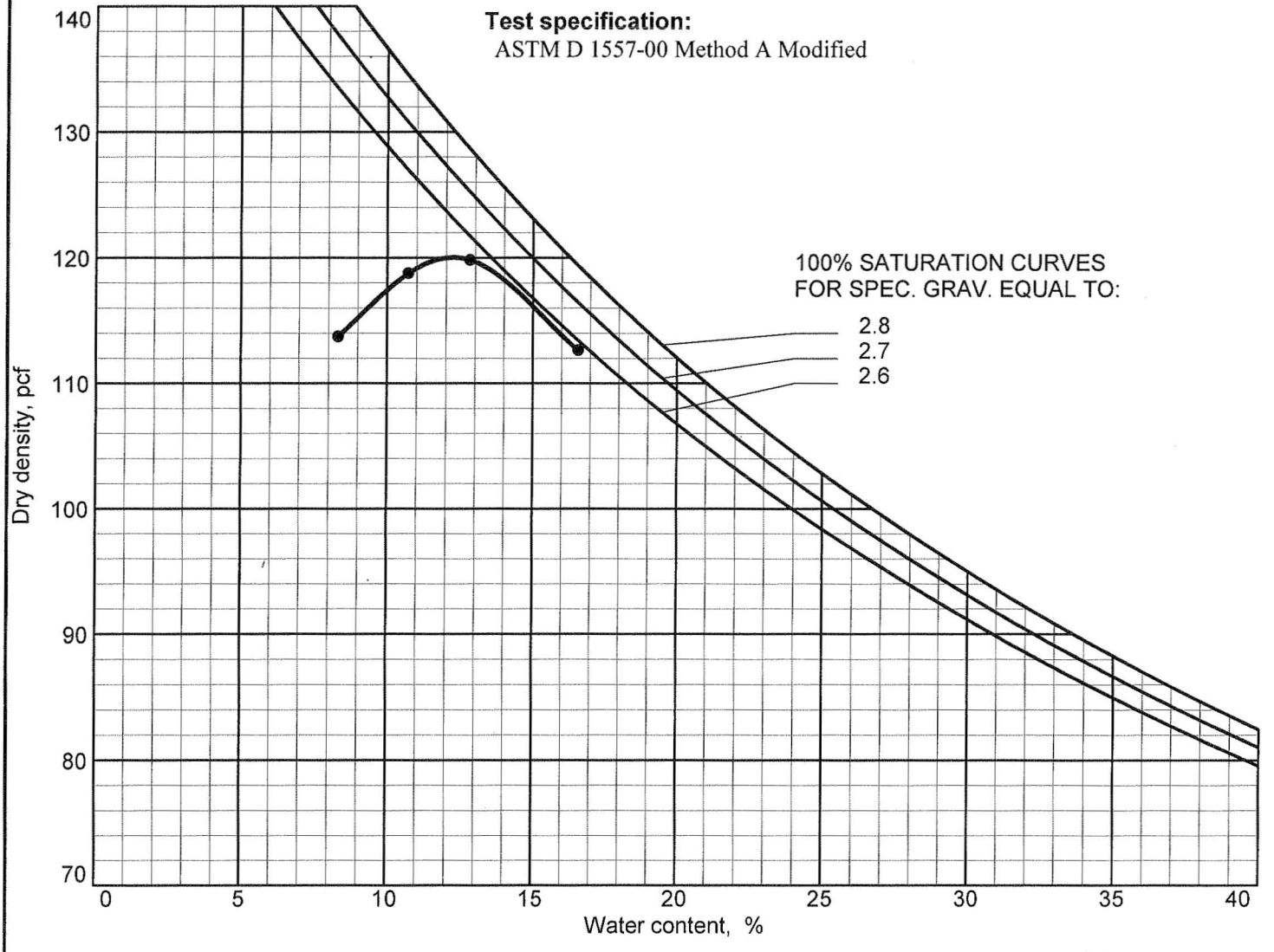


Figure 7351

COMPACTION TEST REPORT

Project No.: 6141-06-0286 **Date:** 4/12/07

Project: Vogtle Units 3 & 4 COL Project

Location: TP-B-1194

Elev./Depth: 5/197.73 Ft. **Sample No.** B1

Remarks: Tested by: CS Reviewed by: HJ

MATERIAL DESCRIPTION

Description: SAND, with silt (SP-SM)

Classifications - **USCS:** **AASHTO:** A-3

Nat. Moist. = 5.4 % **Sp.G. =** 2.7

Liquid Limit = **Plasticity Index =**

% > No.4 = 0.0 % **% < No.200 =** 8.4 %

TEST RESULTS
Maximum dry density = 112.8 pcf
Optimum moisture = 11.6 %

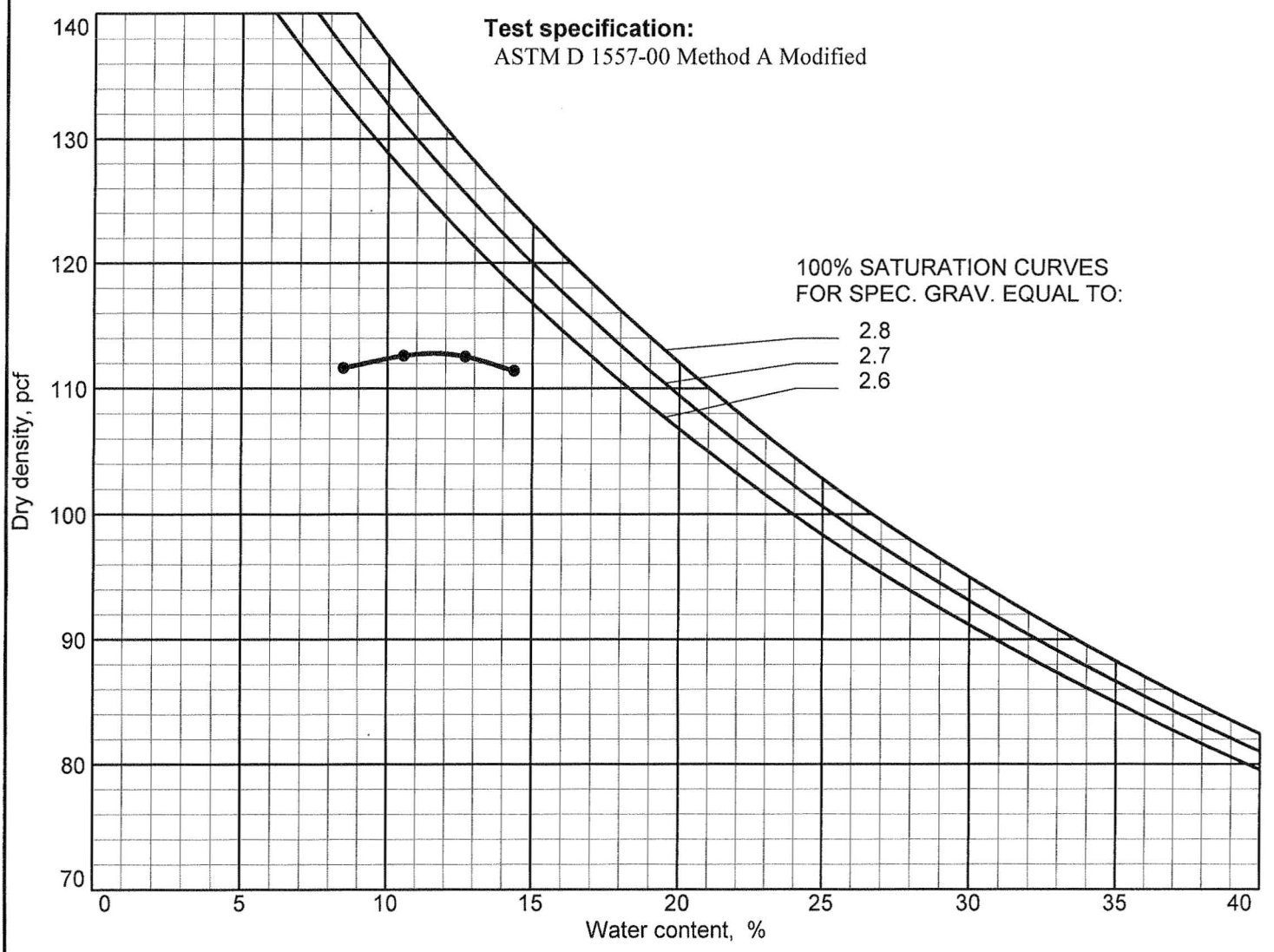


Figure 7352

COMPACTION TEST REPORT

Project No.: 6141-06-0286 **Date:** 4/12/07

Project: Vogtle Units 3 & 4 COL Project

Location: TP-B-1194

Elev./Depth: 8/194.73 Ft. **Sample No.** B2

Remarks: Tested by: CS Reviewed by: HJ

MATERIAL DESCRIPTION

Description: SAND, clayey (SC)

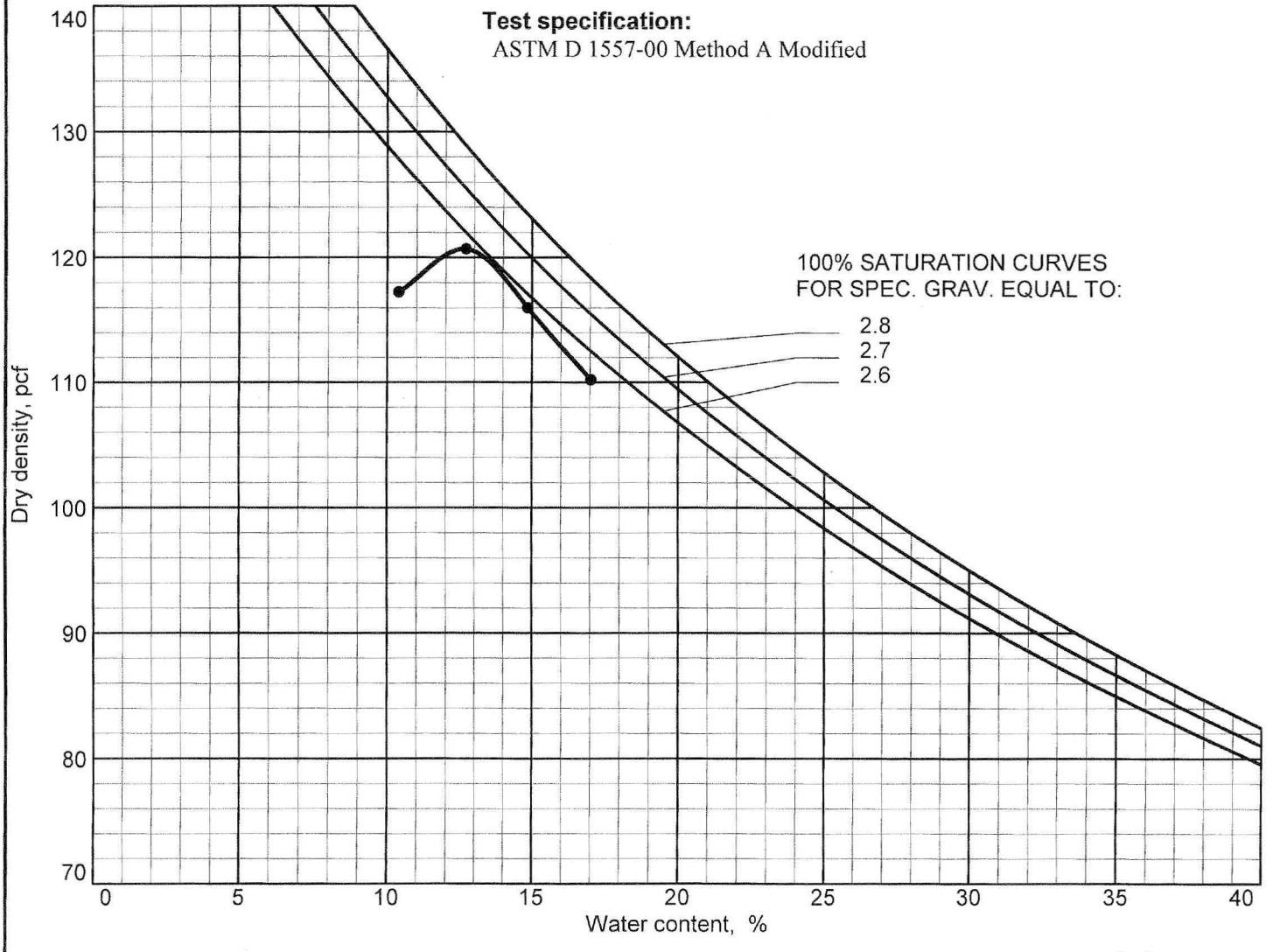
Classifications - **USCS:** SC **AASHTO:** A-2-4(0)

Nat. Moist. = 15.1 % **Sp.G. =** 2.7

Liquid Limit = 37 **Plasticity Index =** 15

% > No.4 = 0.0 % **% < No.200 =** 28.1 %

TEST RESULTS
Maximum dry density = 120.7 pcf
Optimum moisture = 12.6 %



Lab 7353

MACTEC

UNIT WEIGHT OF SAMPLE

Project No.:	6141-06-0286	Boring No.:	B-3030
Lab No:	7590	Depth:	35/186.99
Project Name:	Vogtle COL	Sample ID:	Ud-2
Tested By:	EH	Reviewed By:	HJ
Date:	07/25/07	Date:	07/30/07

Total Sample Height, *inches*		Inside Diameter of Cut Tube, *inches*		Moisture Content		
1	5.349			Tare No.	SS-52	
2	5.441	Top	2.815	Tare Weight	144.43	*grams*
3	5.381	Bottom	2.859	Wet Weight + Tare	825.05	*grams*
Average	5.39	Average	2.837	Dry Weight + Tare	702.15	*grams*
				Moisture Content	22.0	*%*

Total Weight of Soil + Tube Section	993.23	*grams*
Weight of Clean, Dry Tube Section	0.00	*grams*
Wet Weight of Soil	2.19	*lbs*
Volume of Sample	0.020	ft^3

RESULT SUMMARY

Moisture Content	**22.0**	*%*
Wet Density	**111.0**	*pcf*
Dry Density	**91.0**	*pcf*

Remarks: