



Project Name: Constellation Generation Group COLA Project
 Calvert Cliffs Nuclear Power Plant (CCNPP)
 Calvert County, Maryland

Project Number: 06120048.00

SUMMARY OF SOIL LABORATORY TEST RESULTS¹

Boring / Test Pit No.	Sample Top Depth (ft.)	Sample Type ²	USCS Sample Class. (D 2487) ³	Sieve Results (D 422)		Atterberg Limits ⁴ (D 4318)				Organic Content (%)	Natural Moisture (%) (D 2216)	Moist Unit Weight (PCF)	Specific Gravity (D 854)	Moisture-Density Relationship (D 1557)		Bearing Ratio (D 1883)		Specimen		Shear Strength					Consolidation (D 2435)				
				Percent Passing No. 200	Percent Retained No. 4	LL	PL	PI	Oven Dried LL					Dry Unit Wt. (PCF)	Optimum Moisture (%)	Dry	Soaked	Intact	Compacted	Test Type ⁵	Total		Effective		Failure Criterion ⁶	Cer	Cec	eo	Pp' tsf
																					f deg.	C psi	f' deg.	C' psi					
B-423	103.5	UD	SP-SC	9.7	14.4	24	18	6		23.1	120	2.74					X	-	CIU-bar	14.1	32.5	27	11.4	PSR					
B-423	108.5	SPT	SP-SC							30.8							X	-	DS	Test Not Performed									
B-423	118.5	SPT	SM	19.6	13.9	NP	NP	NP		26.2																			
B-423	123.5	SPT	SM							33.9																			
B-423	128.5	SPT	SM	21.4	0.0					31.9																			
B-423	133.5	SPT	ML							37.1																			
B-423	138.5	SPT	SM	43.2	0.0					45.1																			
B-423	143.5	SPT	SM							38.9																			
B-423	148.5	SPT	SM	32.9	4.6					32.8																			
B-423	153.5	SPT	CL							44.9																			
B-423	158.5	UD	OH	87.6	0.0	74	18	56	49	1.3	44.9	108	2.70				X	-	UU	NA	16.6	NA	NA	Dev	0.010	0.310	1.46	11.5	
B-423	163.5	SPT	MH							59.7																			
B-423	168.5	SPT	ML							41.0																			
B-423	173.5	SPT	SM							49.7																			
B-423	178.5	UD	SM	46.4	0.0	64	34	30		41.5	112	2.36					X	-	UU	NA	2.63	NA	NA	Dev	0.030	0.310	1.71	7	
B-423	183.5	SPT	SM							73.3																			
B-423	188.5	UD	MH	90.6	0.0	111	70	41		72.4	96	2.50					X	-	DS	NA	NA	18.5	23.0	NA					
B-423	193.5	SPT	MH							71.0																			
B-423	200.0	SPT	CL							45.3																			
B-425	0.0	SPT	SP-SM							13.7																			
B-425	3.5	SPT	SP-SM	7.9	0.0					7.3																			
B-425	5.0	SPT	SP-SM							2.5																			
B-425	8.5	SPT	SP-SM							0.8																			
B-425	12.0	SPT	SP-SM							14.2																			
B-425	13.5	SPT	SP-SM	6.5	0.4					16.4																			
B-425	20.0	SPT	SP-SM							11.1																			
B-425	25.0	SPT	SP-SM							11.6																			
B-425	30.0	SPT	SP-SM	11.3	0.2					15.2																			
B-425	35.0	SPT	SP-SM							12.0																			
B-425	40.0	SPT	SP-SM	7.4	0.9					14.9																			
B-425	45.0	SPT	SW-SM							13.7																			
B-425	50.0	SPT	SW-SM	10.1	10.9	28	17	11		12.1																			
B-425	55.0	SPT	CL			46	19	27		28.2																			
B-425	57.0	UD	CH	81.8	0.0	55	25	30		31.2	119.69	2.71																	
B-425	60.0	SPT	CH			63	21	42		35.1																			
B-425	65.0	UD	CH	89.6	0.0	69	28	41		39.5	114.52	2.72																	