



PROJECT NUMBER:

338884.FL

BORING NUMBER:

MW7S

SHEET 1 OF 2

SOIL BORING LOG

PROJECT : Progress Energy Florida - COLA Investigation, Levy County Site LOCATION : (1724926.0 N, 458463.7 E)

ELEVATION : 44.2 ft MSL (NGVD83)

DRILLING CONTRACTOR : Prosonic, Ocala, FL; Driller: N. Gamache

DRILLING EQUIPMENT AND METHOD : Rotasonic S/N SR116, sonic, 4"x6"

ORIENTATION : Vertical

WATER LEVELS : ---

START : 2/1/07 07:48

END : 2/1/07 08:45

LOGGER : J. Burkard, M. Faurote

DEPTH BELOW EXISTING GRADE (ft)		INTERVAL (ft)		STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION		SYMBOLIC LOG		COMMENTS	
		RECOVERY (in)									
		#TYPE		6"-6"-6" (N)							
44.2	0.0						Poorly Graded Sand (SP) 0.0-1.9' - pale brown, (5 YR 5/2), very fine to fine grained, silica sand			Roots to 1.2' bgs.	
		72.0	R1-SN				Poorly Graded Sand With Silt (SP-SM) 1.9-3.3' - dusky brown, mottled grayish brown grades to tan, (5 YR 2/2, mottled 5YR 3/2), silica sand				
							Poorly Graded Sand With Silt (SP-SM) 3.3-4.1' - dark yellowish orange, (10 YR 6/6), low plasticity fines, silica sand, subangular to subrounded				
5							Poorly Graded Sand With Silt (SP-SM) 4.1-7.0' - dark yellowish orange, mottled yellowish gray, (10 YR 6/6, mottled 5Y 7/2), low plasticity fines, silica sand, fat clay (CH), medium bluish gray (5B 5/1), lens at 5.9-6.0'				
39.2	6.0										
							Silty Sand With Limestone (SM) 7.0-10.4' - grayish yellow, (5Y 8/4), mild to moderate HCl reaction, very fine to fine sand sized carbonate materials, nonplastic carbonate fines, fine to coarse gravel sized limestone fragments to 4"				
10							Limestone 10.4-11.8' - grayish orange, (10 YR 7/4), mild HCl reaction, partially recrystallized carbonate rock, voids and cavities				
34.2		120.0	R2-SN				Silty Sand And Limestone (SM) 11.8-16.2' - dark yellowish orange, (10 YR 6/6), moist, carbonate silts and sands, and gravel sized limestone, mild reaction to HCl				
15											
29.2											
		16.0					Silt And Limestone (ML) 16.2-17.4' - dark yellowish orange, (10 YR 6/6), mild HCl reaction, nonplastic carbonate silt and gravel sized limestone				
							Silty Sand And Limestone (SM) 17.4-22.1' - Same as 11.8-16.2'				
20											



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WATER LEVELS : --- START : 2/1/07 07:48 END : 2/1/07 08:45 LOGGER : J. Burkard, M. Faurote

WATER LEVELS:		START: 2/1/07 08:45		END: 2/1/07 08:45		LOGGERS: S. Bakula, M. Fagan		
DEPTH BELOW EXISTING GRADE (ft)	INTERVAL (ft)		STANDARD PENETRATION TEST RESULTS	SOIL DESCRIPTION		SYMBOLIC LOG	COMMENTS	
	RECOVERY (in)	#TYPE		SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY			DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION	
24.2		120.0	R3-SN					
					Silt (ML) 22.1-24.0' - dark yellowish orange, (10 YR 6/6), mild HCl reaction, carbonate derived material			
25					Limestone And Silty Sand (SM) 24.0-30.0' - dark yellowish orange, (10 YR 6/6), mild HCl reaction, all grains are carbonate derived, limestone fragments from 1/4" to 4"x3" thick			
19.2	26.0							
		48.0	R4-SN					
30	30.0							
14.2					Bottom of Boring at 30.0 ft bgs on 2/1/07 08:45			