

RECORD OF SOIL EXPLORATION

Sheet 1 of 4 TRP
50.7'

KIDDE CONSULTANTS, INC.

Pe54-04

Project Name Southern Solid Waste Facility Boring # MOW 11
 Location Moore Property Job # 0182138B2

Pe54-04

SAMPLER

Datum MSL Hammer Wt. n/a Lbs. Hole Diameter 8 3/4" Foreman E. Kelley
 Surf. Elev. 50.7 Ft. Hammer Drop n/a In. Rock Core Dia. n/a Inspector Garrison
 Date Started 8/8/83 Pipe Size n/a In. Boring Method MD Date Completed 8/8/83

ELEV.	SOIL DESCRIPTION <small>Color, Moisture, Density, Plasticity, Size, Reporters</small>	STRA DEPTH	DEPTH SCALE	WELL CONSTRUCTION	BORING & SAMPLING NOTES
50.7	<u>SURFACE</u> Yellow to gray brown Sandy CLAY	0.0		A	Grout plug from 0 to 3 ft.
40	Buff to tan Silty fine SAND	8.0	10		Bentonite plug from 10 to 12 ft. Gravel pack from 12 to 15 ft.
30	Buff to tan fine to coarse SAND, trace of silt	17.0	20		Screen from 15 to 25 ft.
20			30		
10			40		
0	Buff to gray fine to coarse SAND	45.0	50		
-10			60		
-20	Buff to gray Silty fine to medium SAND, trace of coarse sand	60.0	70		
-30			80		

SAMPLER TYPE **SAMPLE CONDITIONS** **GROUND WATER Elev.** **BORING METHOD**

OS - DRIVEN SPLIT SPOON DISINTEGRATED at completion
 PT - PRESSED SHELBY TUBE CONTACT
 CA - CONTINUOUS FLIGHT AUGER UNDISTURBED
 RC - ROCK CORE LOST
 HSA - HOLLOW STEM AUGERS
 CFA - CONTINUOUS FLIGHT AUGERS
 CC - DRIVING CASING
 MD - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" O.D. SAMPLER 1" WITH 140# HAMMER FALLING 30"; COUNT MADE AT 5" INTERVALS

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Sheet 2 of 4 50.7'
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Date Started 8/8/83 Pipe Size n/a In. Boring Method MD Date Completed 8/8/83

ELEV.	SOIL DESCRIPTION <small>Color, Moisture, Density, Plasticity, Size, Proportions</small>	STR. DEPTH	DEPTH SCALE	WELL CONSTRUCTION	BORING & SAMPLING NOTES
	SURFACE	0.0			
-40	Buff to gray Silty fine to medium SAND, trace of coarse sand		90		Top of Chesapeake Group
-50	Buff to gray fine to coarse SAND, trace of silt	97.0	100		
-60	Multicolored coarse SAND and fine GRAVEL	105.0	110		Bentonite plug from 110 to 115 ft.
-70	Buff to gray fine to medium GRAVEL, some coarse sand	120.0	120		Gravel pack from 115 to 120 ft.
-80			130		Screen from 120 to 130 ft.
-90	Buff to gray coarse SAND, trace of silt	140.0	140		Aquiclude 142 to 148 ft. with seams to 162 ft.
-100			150		
-110	Buff to gray fine to medium GRAVEL, some coarse sand	150.0			

SAMPLER TYPE _____ SAMPLE CONDITIONS _____ GROUND WATER Elev. _____ BORING METHOD CD
 OS - DRIVEN SPLIT SPOON DI - DISINTEGRATED at completion n/a HSA - HOLLOW STEM AUGERS
 ST - PRESSED SHELBY TUBE SI - INTACT CFA - CONTINUOUS FLIGHT AUGERS
 CA - CONTINUOUS FLIGHT AUGER SU - UNDISTURBED DC - DRIVING CASING
 RC - ROCK CORE LL - LOST 8/11/83 43.11 MD - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" OD SAMPLER 1" WITH 140# HAMMER FALLING 30"; COUNT MADE AT 5" INTERVALS

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Sheet 3 of 4

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50.7'

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SAMPLER

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 Date Started 8/8/83 Pipe Size n/a In. Boring Method MD Date Completed 8/8/83

ELEV.	SOIL DESCRIPTION <small>Color, Moisture, Density, Plasticity, Size, Fragments</small>	STRA. DEPTH	DEPTH SCALE	WELL CONSTRUCTION	BORING & SAMPLING NOTES
	<u>SURFACE</u>	0.0			
	Buff to gray fine to medium GRAVEL, some coarse sand				
-120		168.0	170		Bentonite plug from 170 to 175 ft. Gravel pack from 175 to 180 ft.
	Gray-brown fine to medium SAND, trace of gravel and clay				
-130			180		Screen from 180 to 190 ft.
-140			190		
-150			200		
-160			210		
-170			220		
-180			230		
-190					Top of St. Mary's Fm @ 235 ft.

SAMPLER TYPE: DS - DRIVEN SPLIT SPOON, PT - PRESSED SHELBY TUBE, CA - CONTINUOUS FLIGHT AUGER, RC - ROCK CORE
 SAMPLE CONDITIONS: DI - DISINTEGRATED, I - INTACT, U - UNDISTURBED, L - LOST
 GROUND WATER Elev. at completion
 BORING METHOD: HSA - HOLLOW STEM AUGERS, CFA - CONTINUOUS FLIGHT AUGERS, DC - DRIVING CASING, MD - MUD DRILLING

STANDARD PENETRATION TEST-DRIVING 2" OOD SAMPLER 1" WITH 140# HAMMER FALLING 30"; COUNT MADE AT 5" INTERVALS

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	SURFACE	0.0	250		
-200	Gray Silty SAND, some shell fragments		260		
-210	Gray fine Sandy SILT, some shell fragments	262	270		
-220	Gray SILT, some clay and shell fragments, trace fine sand	280	280		
-230			290		
-240			300		
	Bottom of test hole @ 300 ft.				

SAMPLER TYPE _____ **SAMPLE CONDITIONS** _____ **GROUND WATER Elev.** _____ **BORING METHOD** _____

OS - DRIVEN SPLIT SPOON DS - DISINTEGRATED at completion n/a HSA - HOLLOW STEM AUGERS
 PT - PRESSED SHELBY TUBE I - INTACT CFA - CONTINUOUS FLIGHT AUGERS
 CA - CONTINUOUS FLIGHT AUGER U - UNDISTURBED DC - DRIVING CASING
 RC - ROCK CORE L - LOST MD - MUD DRILLING

8/11/83 43.11

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