

Attachment No. 2
Northern Landfill Western Expansion
Part B Permit Soil Boring Logs



**Accomack County Northern Landfill
SUBSURFACE LOG
HOLE NUMBER B-22/MW-22D**

PROJECT NUMBER: 34873.5000

03/11/2019

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LOCATION: Accomack County, Virginia		DRILL FLUID:	DRILLING METHOD: Mud Rotary	ROD SIZE: NW		
CLIENT: Accomack County		HAMMER TYPE: Automatic		DRILL RIG: Rubber Track ATV		
CONTRACTOR: Fishburne Drilling, Inc.		START: 3/5/2019 9:48:00 AM		FINISH: 3/5/2019 2:20:00 PM		
DRILLER: J. Raasio	INSPECTOR: J. Mikochik		WATER LEVEL OBSERVATIONS	HOLE BOTTOM (ft)		
CHECKED BY: K. Ehmann		DATE			TIME	READING TYPE
COORDS. NORTHING: 3867850.43 EASTING: 12337259.35		3-6-19	12:00 AM	Well	2.3	65
SURFACE ELEV: 37.3 (ft; Surveyed) DATUM: NAD83 / NAVD88		3-20-19	12:00 AM	Well	3	65

SAMP. CORE NUMBER	SAMP. ADV. (ft)	LEN. CORE (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-1	2	1		7-8-10-14	18				Drill directly to 23 ft. See MW-22S log for 0 - 22 ft.	35		
							5					
							10					
							15				Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	
							20					
							20					
							15					
									f.m. SAND , light grayish-brown, med. compact, saturated (SP)		PID 23 - 25 ft: 0.0 ppm	

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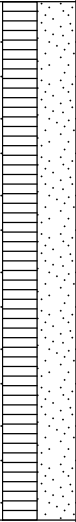

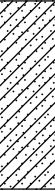


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SAMP./CORE NUMBER	SAMP. ADV. LEN. CORE (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-8	2	1.2	5-8-8-10	16		16		m.c. SAND & subround to subangular f. GRAVEL , little silt, compact, saturated (SW) <i>(continued)</i>	-20	PID 55 - 65 ft: 0.0 ppm Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	
						60		f.m. SAND , little silt, grayish-brown, med. compact, saturated (SP) Similar Soil, orange-brown (SP)			
S-9	2	1	2-2-2-2	4		65		f.m.c. SAND and CLAY , blueish-gray, loose, saturated (SC)	-25		
						65		End of Boring at 65 ft			
						70					
						75					
						80					
						85					



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CLIENT: Accomack County		HAMMER TYPE: Automatic		DRILL RIG: Rubber Track ATV			
CONTRACTOR: Fishburne Drilling, Inc.		START: 3/4/2019 9:10:00 AM		FINISH: 3/4/2019 1:10:00 PM			
DRILLER: J. Raasio	INSPECTOR: J. Mikochik		WATER LEVEL OBSERVATIONS	HOLE BOTTOM (ft)			
CHECKED BY: K. Ehmann		DATE			TIME	READING TYPE	
COORDS. NORTHING: 12337033.77 EASTING: 3867180.62		3-5-19	12:00 AM	Well	2.5		66
SURFACE ELEV: 38.0 (ft, Surveyed) DATUM: NAD83 / NAVD88		3-20-19	12:00 AM	Well	3.4		66

SAMP./CORE NUMBER	SAMP. ADV. (ft)	LEN. CORE (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-1	2	0.8	0.8	9-12-15-19	27		15		f.m. SAND, gray, med. compact, saturated (SP)	15	PID 23 - 25 ft: 0.0 ppm	
							5		Drill directly to 23 ft. See MW-22S log for soil descriptions from 0 - 22 ft.	35		
							10			30		
							15			25	Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	
							20			20		
							20			15		

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SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-8	2	1.8	4-3-7-9	10		60		f.m. SAND , Some Silt, micaceous, light grayish-brown, loose, saturated (SM)	-20		<p>PID 55 - 70 ft: 0.0 ppm</p>
S-9	2	1.7	4-9-15-22	24		65		f.m.c. SAND , Some Silt, occasional clay seams, gray to grayish-brown (SM)	-25	Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	
S-10	2	1	15-22-30-27	52		65		f.m.c. SAND , gray, very compact, saturated (SW)			
S-11	2	2	24-24-18-16	42		70		Similar Soil, trace gravel, compact (SW)	-30		
						70		End of Boring at 70 ft			
						75					
						80					
						85					

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**Accomack County Northern Landfill
SUBSURFACE LOG
HOLE NUMBER B-24/MW-24D**

PROJECT NUMBER: 34873.5000

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LOCATION: Accomack County, Virginia		DRILL FLUID:	DRILLING METHOD: Mud Rotary	ROD SIZE: NW					
CLIENT: Accomack County		HAMMER TYPE: Automatic		DRILL RIG: Rubber Track ATV					
CONTRACTOR: Fishburne Drilling, Inc.		START: 2/27/2019 10:00:00 AM		FINISH: 2/27/2019 3:30:00 PM					
DRILLER: J. Raasio	INSPECTOR: J. Mikochik		WATER LEVEL OBSERVATIONS	DATE	TIME	READING TYPE	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
CHECKED BY: K. Ehmann		2-27-19							
COORDS. NORTHING: 12337907.97		EASTING: 3866381.47		2-28-19	8:55 AM	Well	4.3		75
SURFACE ELEV: 37.9 (ft, Surveyed)		DATUM: NAD83 / NAVD88		3-20-19	12:00 AM	Well	4.5		75

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-1	2	1.5	2-2-1-3	3				TOPSOIL CLAY . Some Sand, gray with orange mottles, soft, moist (CL)		PID 0 - 25 ft: 0.0 ppm	
S-2	2	1.6	1-4-4-6	8			 f.m. SAND . Some Clay, grayish-brown, loose, moist (SC) f.m. SAND . little silt, tan, loose, moist (SP)	35			
S-3	2	2	6-6-7-8	13	5		 f.m. SAND . Some Clay, gray with orange mottles, med. compact, moist (SC)				
S-4	2	2	6-6-7-8	13			Similar Soil (SC) Similar Soil, orange to tan, wet (SC)	30			
S-5	2	1.2	2-3-3-5	6			Similar Soil, gray to grayish brown, loose, wet (SC)				
S-6	2	1	5-8-9-9	17	10		 f.m. SAND . little silt, grayish-brown, med. compact, saturated (SP)				
S-7	2	1.8	5-4-1-7	5			Similar Soil, loose, saturated (SP) f.m. SAND . Some Clay, grayish-brown, very loose, saturated (SC) f.m. SAND . little silt, gray, loose, saturated (SP)	25			
S-8	2	1.3	2-8-9-13	17	15		Similar Soil, med. compact (SP) Similar Soil (SP)				
S-9	2	2	10-12-14-14	26			f.m. SAND . gray, med. compact, saturated (SP) f.m.c. SAND . gray, med. compact, saturated (SW)	20			
S-10	2	1	7-9-11-2	20	20		Similar Soil (SW) Similar Soil, tan to orange (SW)				
S-11	2	0.9	8-7-10-10	17			Similar Soil (SW)	15			

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SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-12	2	1.3	8-7-13-14	20	[Symbol]	20	[Symbol]	f.m.c. SAND , gray, med. compact, saturated (SW) (continued)	10	PID 25 - 55 ft: 0.0 ppm	[Water Level Diagram]
						30	[Symbol]	f.m. SAND , gray, little silt, med. compact, wet (SP)			
S-13	2	2	3-1-1-1	2	[Symbol]	35	[Symbol]	f.m. SAND , Some Silt, gray, very loose, saturated (SM)	5	Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	[Water Level Diagram]
						40	[Symbol]	f.m.c. SAND , tan, med. compact, saturated (SW)	0		
S-14	2	1	8-9-14-14	23	[Symbol]	40	[Symbol]	f.m.c. SAND , tan, med. compact, saturated (SW)	0	Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	[Water Level Diagram]
						45	[Symbol]	Similar Soil, light gray to grayish-brown (SW)	-5		
S-15	2	1	10-13-17-20	30	[Symbol]	45	[Symbol]	Similar Soil, light gray to grayish-brown (SW)	-5	Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	[Water Level Diagram]
						50	[Symbol]	f.m. SAND , Some Silt, gray, wood fragments 48.5 - 49 ft, med. compact, saturated (SM)	-10		
S-16	2	1	5-9-9-3	18	[Symbol]	50	[Symbol]	f.m. SAND , Some Silt, gray, wood fragments 48.5 - 49 ft, med. compact, saturated (SM)	-10	Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	[Water Level Diagram]
						55	[Symbol]	CLAY , little f. sand, gray, soft, saturated (CL)	-15		
S-17	2	2	WH-1-1-1	2	[Symbol]	55	[Symbol]	CLAY , little f. sand, gray, soft, saturated (CL)	-15		[Water Level Diagram]

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SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA	
S-18	2	2	WH-2-2-2	4				Similar Soil (CL) CLAY , little f. sand, gray, soft, saturated (CL) (continued)		PID 55 - 75 ft: 0.0 ppm		
S-19	2	1	6-8-9-9	17				f.m.c. SAND , little silt, light gray, med. compact, saturated (SW)	-20			
S-20	2	1.2	5-5-8-12	13		60		f. SAND , little silt, little m. sand, light gray, med. compact, saturated (SP)				
S-21	2	1	8-10-17-18	27		65		Similar Soil, f.m. SAND, little silt (SP)	-25			
S-22	2	1.5	4-4-3-3	7		70		f.m. SAND , Some Clay, grey to bluish-gray, loose, saturated (SC)	-30			
S-23	2	1.5	6-5-5-4	10		75		Similar Soil (SC)	-35			
								End of Boring at 75 ft				
										-40		
										-45		
										-85		

Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.

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HOLE NUMBER B-25**

PROJECT NUMBER: 34873.5000

03/11/2019

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LOCATION: Accomack County, Virginia

DRILL FLUID:

DRILLING METHOD: Mud Rotary

ROD SIZE: NW

CLIENT: Accomack County

HAMMER TYPE: Automatic

DRILL RIG: Rubber Track ATV

CONTRACTOR: Fishburne Drilling, Inc.

START: 2/28/2019 11:00:00 AM

FINISH: 3/1/2019 11:30:00 AM

DRILLER: J. Raasio

INSPECTOR: J. Mikochik

CHECKED BY: K. Ehmann

WATER LEVEL OBSERVATIONS

DATE

TIME

READING TYPE

WATER DEPTH (ft)

CASING BOTTOM (ft)

HOLE BOTTOM (ft)

2-28-19

12:00 AM

During Drilling

4

8

COORDS. NORTHING: 12337553.79

EASTING: 3867256.59

SURFACE

ELEV: 39.1 (ft, Surveyed)

DATUM: NAD83 / NAVD88

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SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-1	2	1.5	2-2-3-3	5				TOPSOIL f. SAND , Some Clay, little silt, brown, loose, moist (SC) Similar Soil, orange/gray mottles (SC)		PID 0 - 24 ft: 0.0 ppm	
S-2	2	0.9	3-4-6-5	10			f.m. SAND , Some Silt, brown to orange, loose, moist (SM)	35			
S-3	2	2	7-7-6-5	13	5		f.m. SAND , trace silt, trace c. sand, light grayish-brown, med. compact, moist (SP)				
S-4	2	2	4-5-7-7	12			Similar Soil, saturated (SP)				
S-5	2	1.5	2-2-2-2	4		10	f.m. SAND , little silt, gray, loose, saturated (SP)	30			
S-6	2	2	1-1-2-2	3			f. SAND , Some Clay, grayish-brown, soft, saturated (SC)				
S-7	2	1.5	4-3-4-5	7			f.m. SAND , little silt, gray, loose, saturated (SP)				
S-8	2	2	3-3-3-5	6	15		f.m.c. SAND , trace silt, gray to dark gray, loose, saturated (SW)	25			
S-9	2	2	5-7-5-12	12			Similar Soil, trace clay seams, med. compact (SW)				
S-10	2	1.2	1-6-5-7	11		20	f.m. SAND , gray to dark gray, med. compact, saturated (SP)	20			
S-11	2	1.8	6-9-14-17	23			f.m.c. SAND , trace gravel, gray, med. compact, saturated (SW) f.m. SAND , little silt, med. compact, saturated (SP)				
S-12	2	1.3	7-12-16-20	28			f.m.c. SAND , trace gravel, dark gray, med. compact, saturated (SW) Similar Soil, gray to dark gray (SW)	15			

Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.

PID 24 - 26 ft: 0.1 ppm



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SAMP./CORE NUMBER	SAMP. ADV. (ft) LEN. CORE (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-13	2	2	9-12-16-22	28				f.m.c. SAND , trace gravel, dark gray, med. compact, saturated (SW) (<i>continued</i>)		PID 26 - 55 ft: 0.0 ppm	
S-14	2	1	7-9-11-13	20				Similar Soil, Some subround Gravel (SW)			
S-15	2	1	3-6-8-10	14				Similar Soil, tan, trace gravel (SW)	10		
S-16	2	2	9-12-16-14	28				f.m. SAND , trace gravel, grey, med. compact, saturated (SP)	30		
S-17	2	1	5-7-11-13	18					5		
S-18	2	2	10-9-8-10	17					35		
S-19	2	1.4	11-5-5-6	10				f.m.c. SAND , little silt, little shell fragments, little gravel, loose, saturated (SW)			
S-20	2	2	4-2-3-3	5				CLAY , Some Sand, trace shell fragments, gray, stiff, moist (CL) CLAY , little sand, gray to bluish-gray, med. stiff, wet (CL)	0		Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.
S-21	2	1.5	4-4-3-4	7				Similar Soil, little sand & shell fragments, soft, wet (CL) CLAY , trace f. sand, gray to bluish-gray, med. stiff, moist (CL)	40		
T-1	2							Similar Soil, soft (CL)	-5		
S-22	2	2	1-1-2-3	3					45		
S-23	2	2	2-1-2-1	3				Similar Soil, very soft, wet (CL)			
S-24	2	2	WH-WH-WH-WH	0					-10		
S-25	2	2	2-2-1-2	3				Similar Soil, soft (CL)	50		
S-26	2	2	8-11-13-14	24				f.m. SAND , Some Clay, gray, med. compact, wet (SC) f.m.c. SAND , trace gravel, trace thin clay seams, tan, med. compact, saturated (SW)	-15		
S-27	2	2	15-14-23-27	37					-55	PID 55 - 85 ft: 0.0 ppm	

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S-28	2	2	15-16-22-32	38				m.c. SAND & f. subround GRAVEL , tan, greenish-gray hardpan material at 55.5 ft, compact, saturated (SW) (<i>continued</i>) f.m.c. SAND , little f. subround gravel, tan, compact, saturated (SW)			
S-29	2	1.3	13-14-15-23	29		60		m.c. SAND , Some f. subround Gravel, tan to grayish-brown, compact, saturated (SW)	-20		
S-30	2	1.3	9-20-25-32	45							
S-31	2	0.9	10-23-19-7	42							
S-32	2	2	5-4-5-4	9		65		Similar Soil, little clay, bluish-grey (SW) f.m.c. SAND , Some Clay, dark grey to bluish grey, loose, saturated (SC)	-25		
S-33	2	2	5-5-7-9	12				Similar Soil, little clay (SC)			
S-34	2	1.3	3-3-3-10	6		70		m.c. SAND , little silt, trace clay, trace gravel, bluish-grey, loose, saturated (SP) Similar Soil, med. compact (SP)	-30		
S-35	2	1.7	6-13-17-22	30						Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	
S-36	2	1.5	11-17-15-16	32				f. SAND , little silt, little m. sand, bluish-grey, compact, saturated (SP)	-35		
S-37	2	1.5	4-17-14-22	31		75					
S-38	2	0.8	6-6-5-4	11		80		f.m. SAND , Some Clay, little silt, bluish-grey, med. compact, wet (SC)	-40		
S-39	2	2	2-3-4-4	7		85		Clayey SILT , little f. sand, bluish-grey, med. stiff, wet (CL/ML)	-45		

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S-40	2	0.7	3-4-4-5	8	[Sample]	85-90	[Hatched]	CLAY , Some Sand, little silt, trace f. subround gravel, bluish-grey, med. stiff, wet to moist (CL)	-50	Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.	PID 85 - 100 ft: 0.0 ppm
S-41	2	1.6	4-4-4-5	8	[Sample]	90-95	SILT & CLAY , little f. sand, bluish-grey, med. stiff, moist (CL/ML)	-55			
S-42	2	1	2-3-4-7	7	[Sample]	95-100	End of Boring at 100 ft	-60			
						100-105			-65		
						105-110			-70		
						110-115			-75		

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LOCATION: Accomack County, Virginia		DRILL FLUID:	DRILLING METHOD: Mud Rotary	ROD SIZE: NW					
CLIENT: Accomack County		HAMMER TYPE: Automatic		DRILL RIG: Rubber Track ATV					
CONTRACTOR: Fishburne Drilling, Inc.		START: 3/4/2019 1:45:00 PM		FINISH: 3/4/2019 3:05:00 PM					
DRILLER: J. Raasio	INSPECTOR: J. Mikochik		WATER LEVEL OBSERVATIONS	DATE	TIME	READING TYPE	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
CHECKED BY: K. Ehmann		3-5-19		12:00 AM	Well	0.5			
COORDS. NORTHING: 12337266.65 EASTING: 3867849.73		3-8-19		12:00 AM	Well	1			20
SURFACE ELEV: 37.2 (ft, Surveyed)		DATUM: NAD83 / NAVD88		3-20-19	12:00 AM	Well	2.2		20

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-1	2	2	WH-WH-WH-1	0				TOPSOIL CLAY and SILT. Some f. Sand, orange-brown, very soft, moist (CL/ML)		PID 0 - 20 ft: 0.0 ppm	
								Similar Soil, sandy, soft (CL/ML)	35		
S-2	2	1.6	2-5-5-5	10				f.m. SAND. Some Clay, orange-brown to tan, loose, moist to wet (SC)			
								Similar Soil, saturated (SC)			
S-3	2	1.5	4-3-4-5	7	5			f.m. SAND. Some Clay, light-brown, loose, saturated (SC)			
								f.m. SAND. Some Silt, light brown, loose, saturated (SM)			
S-4	2	2	4-5-5-6	10				Similar Soil, trace silt, very loose (SM)	30		
S-5	2	1.3	2-2-2-8	4		10		Similar Soil, medium compact (SM)			
S-6	2	1.3	7-7-10-9	17				f.m. SAND. Some Silt, occasional clay seams, trace c. sand & gravel, gray, medium compact (SM)	25		
S-7	2	1	4-4-8-11	12				f.m. SAND. light grayish-brown, medium compact, saturated (SP)			
S-8	2	2	8-9-10-11	19	15			Similar Soil (SP)			
S-9	2	2	7-5-10-11	15		20		f.m.c. SAND. little silt, trace gravel, light grayish-brown, loose, saturated (SW)			
S-10	2	1.2	3-6-8-7	14				f.m. SAND. trace silt, light grayish-brown, medium compact, saturated (SP)			
						20		End of Boring at 20 ft			
									15		

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Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.



**Accomack County Northern Landfill
SUBSURFACE LOG
HOLE NUMBER MW-23S**

PROJECT NUMBER: 34873.5000

03/11/2019

Page 1 of 1

LOCATION: Accomack County, Virginia		DRILL FLUID:	DRILLING METHOD: Mud Rotary	ROD SIZE: NW																								
CLIENT: Accomack County		HAMMER TYPE: Automatic		DRILL RIG: Rubber Track ATV																								
CONTRACTOR: Fishburne Drilling, Inc.		START: 3/1/2019 12:40:00 PM		FINISH: 3/1/2019 2:10:00 PM																								
DRILLER: J. Raasio	INSPECTOR: J. Mikochik		WATER LEVEL OBSERVATIONS	<table border="1"> <thead> <tr> <th>DATE</th> <th>TIME</th> <th>READING TYPE</th> <th>WATER DEPTH (ft)</th> <th>CASING BOTTOM (ft)</th> <th>HOLE BOTTOM (ft)</th> </tr> </thead> <tbody> <tr> <td>3-1-19</td> <td>12:00 AM</td> <td>During Drilling</td> <td>2</td> <td></td> <td>8</td> </tr> <tr> <td>3-6-19</td> <td>12:00 AM</td> <td>Well</td> <td>2</td> <td></td> <td>20</td> </tr> <tr> <td>3-20-19</td> <td>12:00 AM</td> <td>Well</td> <td>3.1</td> <td></td> <td>20</td> </tr> </tbody> </table>	DATE	TIME	READING TYPE	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)	3-1-19	12:00 AM	During Drilling	2		8	3-6-19	12:00 AM	Well	2		20	3-20-19	12:00 AM	Well	3.1		20
DATE	TIME	READING TYPE			WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)																					
3-1-19	12:00 AM	During Drilling			2		8																					
3-6-19	12:00 AM	Well	2		20																							
3-20-19	12:00 AM	Well	3.1		20																							
CHECKED BY: K. Ehmann		COORDS. NORTHING: 12337041.68 EASTING: 3867180.63																										
SURFACE ELEV.: 38.0 (ft, Surveyed)		DATUM: NAD83 / NAVD88																										

SAMP./CORE NUMBER	SAMP. ADV. (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-1	2	1.5	1-2-3-2	5		0		TOPSOIL (TOPSOIL) CLAY , Some Sand, grayish brown, medium stiff, moist (CL)	38.0	PID 0 - 20 ft: 0.0 ppm	
S-2	2	1.7	4-4-3-4	7		5		f.m. SAND , Some Clay, grayish-brown with orange mottles, loose, wet (SC)	35		
S-3	2	2	4-6-6-6	12		10		Similar Soil, medium compact, saturated (SC)	30		
S-4	2	1.2	6-8-6-7	14		15		Similar Soil, little clay (SC)	25		
S-5	2	1.6	3-2-3-3	5		20		f.m. SAND , Some Silt, dark brown to brown, medium compact, saturated (SM)	20		
S-6	2	1.5	4-6-8-13	14		25		Similar Soil, gray (SM)	15		
S-7	2	1.7	6-8-8-17	16		30		f.m.c. SAND , little silt, gray, medium compact, saturated (SW)	10		
S-8	2	1	12-16-16-13	32		35		f.m. SAND , trace silt, gray, med. compact, saturated (SP)	5		
S-9	2	1.2	8-6-8-10	14		40			0		
S-10	2	1	12-16-16-13	32		45			0		
								End of Boring at 20 ft			

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Soil layer interfaces are estimated based on soil recovery. Actual lithology may vary.



**Accomack County Northern Landfill
SUBSURFACE LOG
HOLE NUMBER MW-24S**

PROJECT NUMBER: 34873.5000

03/11/2019

Page 1 of 1

LOCATION: Accomack County, Virginia		DRILL FLUID:	DRILLING METHOD: Mud Rotary	ROD SIZE: NW					
CLIENT: Accomack County		HAMMER TYPE: N/A		DRILL RIG: Rubber Track ATV					
CONTRACTOR: Fishburne Drilling, Inc.		START: 2/28/2019 9:33:00 AM		FINISH: 2/28/2019 9:50:00 AM					
DRILLER: J. Raasio	INSPECTOR: J. Mikochik		WATER LEVEL OBSERVATIONS	DATE	TIME	READING TYPE	WATER DEPTH (ft)	CASING BOTTOM (ft)	HOLE BOTTOM (ft)
CHECKED BY: K. Ehmann		3-6-19							
COORDS. NORTHING: 12337900.66		EASTING: 3866381.60		3-20-19	12:00 AM	Well	3.8		
SURFACE ELEV: 37.9 (ft; Surveyed)		DATUM: NAD83 / NAVD88							

SAMP./CORE NUMBER	SAMP. ADV. (ft)	LEN. CORE (ft)	RECOVERY (ft)	Blows Per 6" on Split Spoon Sampler	"N" Value or RQD%	SAMPLE	DEPTH (Feet)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Feet)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
							5		See MW-24D for soil descriptions.	35		
							10			30		
							15			25		
							20			20		
							20		End of Boring at 18 ft	15		

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