From: Edmund Q B Henriques < EHenriques@smeinc.com>

Sent: Tuesday, November 24, 2020 10:59 AM To: Kuhn, Kimberly M. <kuhnkm@dhec.sc.gov>

Cc: Bumgarner, Bill <BBUMGARN@marshfurniture.com>; Braswell, Bruce <BBRASWEL@marshfurniture.com>

Subject: Marsh Lumber - Baseline Event Data Report

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. *** Good morning Kim, I hope you and your family are well. Appended is the data report for the baseline sampling event at Marsh Lumber. Please review at your convenience and let me know if you have any questions.

I hope you and your family enjoy time together this Thanksgiving.

Kind Regards, Ed

Edmund Q.B. Henriques, P.G. Senior Geologist / Senior Project Manager ehenriques@smeinc.com



8646 West Market Street, Suite 105 Greensboro, NC 27409 <u>map</u> O: 336.288.7180 M: 336.312.3330 www.smeinc.com LinkedIn | Twitter | Facebook



November 24, 2020

South Carolina Department of Health and Environmental Control 2600 Bull Street Columbia, South Carolina 29201-1708

Attention: Ms. Kimberly Kuhn transmitted by email to kuhnkm@dhec.sc.gov

Reference: Baseline Sampling Data Report

Marsh Lumber - VCC Number 16-5858 RP

Pamplico, South Carolina

S&ME Project No. 1584-98-146C

Dear Ms. Kuhn:

S&ME, Inc. (S&ME) has prepared this data report for the Marsh Lumber site, VCC number 16-5858-RP. This report documents the installation of four groundwater monitoring wells, installation of new and replacement bio-sparge wells, and the completion of a base-line monitoring event for Phase 1 of the bio-sparge pilot test expansion.

Monitoring Well Installation

In accordance with S&ME's Work Plan, Bio-Sparge Pilot Test Expansion, Marsh Lumber Site, VCC Number 16-5858-RP dated September 3, 2020, new monitoring wells MW-31, MW-32, MW-33, MW-34 were installed to refine delineation and distribution of pentachlorophenol (PCP) and to provide additional data points for monitoring of the expanded pilot test. The wells were installed and developed between September 28 and 29, 2020. Completed Water Well Record, Bureau of Water (Form DHEC 1903) are contained in **Attachment I.**

The new well locations were recorded use a non-survey grade GPS unit. Top of casing elevations were determined relative to existing monitoring well top of casing elevations, using a level and rod.

Bio-Sparge Well Installation

S&ME completed the installation of the seven new Class V.A.-1 wells as authorized by Underground Injection Control Permit #SCHE03020255M3, and corresponding Permit to Construct received from SCDHEC. The seven new wells are identified as BSW-9, BSW-10, BSW-11, BSW-12, BSW-13, BSW-14, and BSW-15. The UIC permit also involved six pre-existing wells identified as BSW-3, BSW-4, BSW-5, BSW-6, BSW-7, and BSW-8. The new well locations were recorded use a non-survey grade GPS unit. The existing and new wells will be utilized as biosparge wells during Phase I of the expanded Pilot Study. **Attachment II** contains a copy of S&ME's *Underground Injection Control Permit, Marsh Lumber – VCC Number 16,-5858-RP* letter dated October 29, 2020, which contained documentation of well installation activities completed.

The UIC Permit to operate was received from SCDHEC. Final system installation activities are scheduled for November 30, 2020, with Phase 1 bio-sparging targeted to commence shortly thereafter.



Baseline Sampling Data Report Marsh Lumber – VCC Number 16-5858 RP

Pamplico, South Carolina S&ME Project No. 1584-98-146C

Baseline Groundwater Monitoring

In accordance with S&ME's *Work Plan, Bio-Sparge Pilot Test Expansion, Marsh Lumber Site, VCC Number 16-5858-RP* dated September 3, 2020, monitoring wells MW-10, MW-21, MW-22, MW-24, MW-25, MW-26, MW-27, MW-28, MW-30, MW-31, MW-32, MW-33, and MW-34 were sampled between September 29 and 30, 2020. The collected groundwater samples were analyzed for PCP by Method 8151. **Attachment III** contains:

- Groundwater sampling field data sheets for the baseline event,
- Laboratory analytical report for the baseline event,
- Updated Table 1 and Table 2; and
- Figure 1 depicting groundwater elevation contours (computer generated) and an estimate of the extent of PCP based on the September 2020 analytical data and prior analytical data noted.

Closure

Please contact the undersigned if you have any questions.

Sincerely,

S&ME, Inc.

Edmund Q.B. Henriques Senior Project Manager ehenriques@smeinc.com

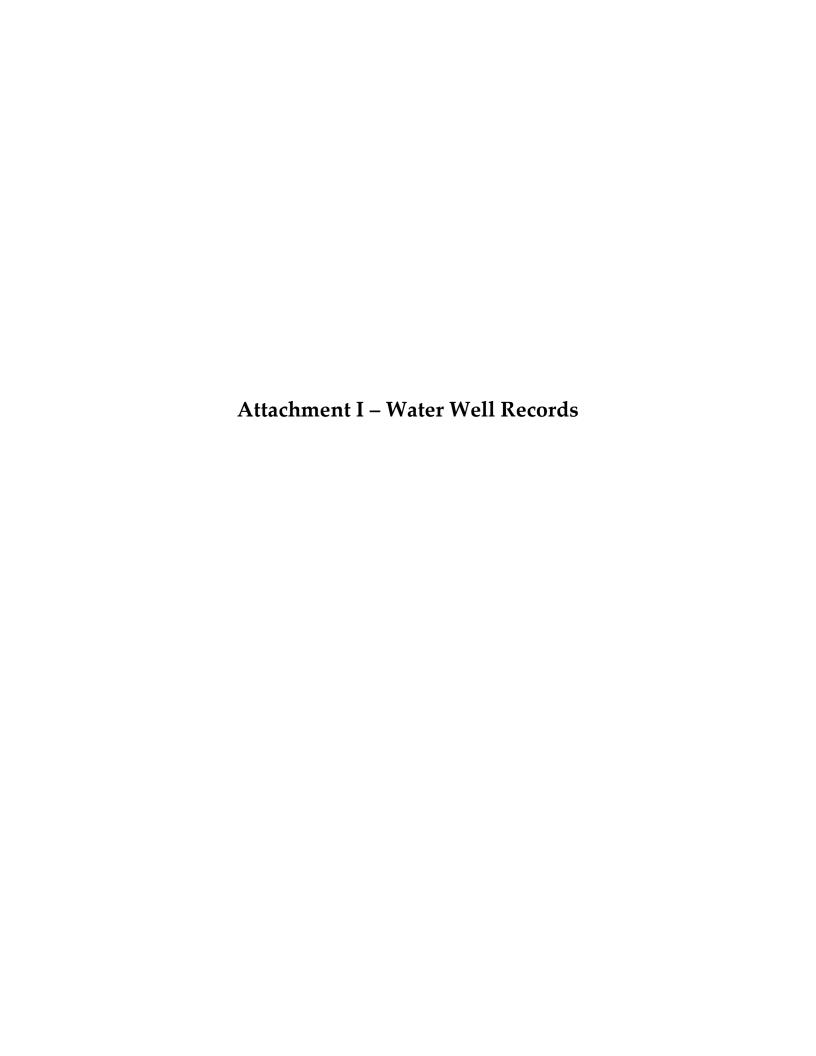
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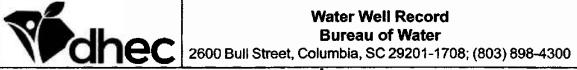
Attachments

cc Bill Bumgarner, Marsh Furniture Company, P.O. Box 870, High Point, NC 27261 Bruce Braswell, Marsh Furniture Company, P.O. Box 870, High Point, NC 27261

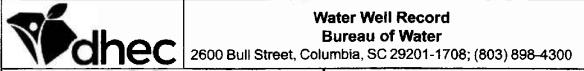
November 24, 2020 2







1. WELLOWNER INFORMATION: Name: Marsh Furniture Con	Mpany		7. PERMIT NUMBER:
(last)	(firs	st)	
Address: PO Box 870	(,,,,	~,	8. USE:
			☐ Residential ☐ Public Supply ☐ Process
City: High Point State: NC	Zip: 2	7261	☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement
, ,			☐ Test Well ☐ Monitor Well ☐ Repiscement
Telephone: Work: 336.884.7343	Home:		9. WELL DEPTH (completed) Date Started: 9-28-30
	UNTY:		15 ft Date Completed: 9 - 28 - 20
Name: Marsh Lumber			10. CASING: Threaded Welded
Street Address: 119 East 6th	Avenue		Diam.: Height: Above/Below
			Time: TO Columnized Surface
City: Pamplico, sc	Zip: 2957	83	Type. El PVC D Galvanized Surface
			Type: PVC Galvanized Surfaceft. Steel Other Weight
Latitude: Longitude:	100		in. toft. depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	M NUMBER:	11. SCREEN:
3	ş		Type: PVC Diam.: Z'' Slot/Gauge: O.O. SCH.40 Length: ID'
4. ABANDONMENT: Yes Y	No	<u>-</u>	Slot/Gauge: Length: Length:
Give Details Below	(SIR		Set Between: 15 ft. and 5 ft. NOTE: MULTIPLE SCREENS
	t to	#	ft. USE SECOND SHEET
Grouted Depth: from f	Thickness		Sieve Analysis 🔲 Yes (please enclose) 🗹 No
Formation Description	nickness of	Bottom of	12. STATIC WATER LEVEL ft. below land surface after 24 hours
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface.
	Silatein	Ottatati	ft. afterhrs. PumpingG.P.M.
	•]	Pumping Test: ☐ Yes (please enclose) ☑ No
			Yield:
			14. WATER QUALITY
		!	Chemical Analysis Yes No Bacterial Analysis Yes No
		ļ <u>.</u>	Please enclose lab results.
		[]	15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
			Installed from 15 ft. to 3 ft. Effective size #2 MeD Uniformity Coefficient Scind
			Effective size # 2 MeD Uniformity Coefficient Sand
			16. WELL GROUTED? ☑Yes ☐ No
		-	☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
			□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other Depth: From ft. to ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
		<u> </u>	Type Well Disinfected
			18. PUMP: Date installed: Not installed
			Mfr. Name: Model No.:
			H.P Volts Length of drop pipe fl. Capacity gpm
			TYPE: Submersible Jet (shallow) Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: Josh Parnish CERT. NO.: 2324
			Address: (Print) Level: A B C D (circle one)
			17538 Greenhill Rd.
			charlotte NC 28278
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7529 Fax No.:
_		1	20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:]	
Well ID #: MW-31			
			Signed:
	L	<u> </u>	Well Driker
6. TYPE: ☐ Mud Rotary ☐ Jetted	62/	/ Bored	If D Level Driller, provide supervising driller's name:
□ Dug □ Air Rol		Driven	in & Equal Phillot, provide supervising entites a flame.
☐ Cable tool ☐ Other	,		
Copie (A)			



			7. PERMIT NUMBER:
Name Marsh furniture Co	•		
(tast)	(firs	it)	8. USE;
Address PO Box 870			☐ Residential ☐ Public Supply ☐ Process
City: High Point State No	C Zip: 2	7261	☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement
ony. Yttger point	- <u>-</u> ,p. •		☐ Test Well
Telephone: Work: 336,884.7363	Home:		9. WELL DEPTH (completed) Date Started: 9 - 28 - 20
	DUNTY:		15 ft. Date Completed: 9 - 23 - 20
Name: Marsh Lumber			! 10. CASING: M_Threaded □ Welded
Street Address: 119 East 6th	1 Avenue		Diam.: Height: Above/Below
	Zip. 2952	83	Type: 🗹 PVC 🗆 Galvanized Surfaceft.
Larinbuco > 20			Steel Other Weight Ib_ft. 5 in, to ft, depth Drive Shoe? Yes No
Latitude: Longitude	9:		
			in. toft. depth
3. PUBLIC SYSTEM NAME: PU	JBLIC SYSTE	M NUMBER:	11. SCREEN: AVC 211
	,		Type: PVC Diam : 2.11 Slot/Gauge: D.O) SCH. 40 Length: 10
4. ABANDONMENT: Yes	No		Set Between: 15 ft. and 5 ft. NOTE: MULTIPLE SCREENS
Give Details Below			ft. andft. USE SECOND SHEET
Grouted Depth: from	ft. to	ft.	Sieve Analysis Yes (please enclose) Yo
	*Thickness	Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description	of	Bottom of	13. PUMPING LEVEL Below Land Surface.
	Stratum	Stratum	ft. after hrs. Pumping G.P.M.
			Pumping Test: (1) Yes (please enclose) TP No
			Yield:
	Ì		14. WATER QUALITY
	 		Chemical Analysis ☐ Yes Seno Bacterial Analysis ☐ Yes De No
			Please enclose lab results.
			15. ARTIFICIAL FILTER (filter pack)
			installed from 15 ft to 3 ft.
	 		Installed from 15 ft. to 3 ft. Effective size # Z MeD Uniformity Coefficient Sand
			16. WELL GROUTED? To Yes No
·		<u>-</u>	□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
			Depth: From
-			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: fi direction
			Type
	1		Well Disinfected ☐ Yes S No Type: Amount
			18. PUMP: Date installed Not installed E
			Mfr. Name: Model No.:
			H.P. Volts Length of drop pipe ft. Capacity gpm
			TYPE: Submersible Jet (shallow) Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
	1 1		19. WELL DRILLER: Josh Partish CERT. NO.: 2324
			Address: (Print) Level: A B C D (circle one)
			17538 Greenhill Rd.
			charlotte NC 28278
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7529 Fax No.:
(Lieu o 2nd about if panded)			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			
Well ID #! MW-37			
	30		Signed: Date:
			Weil Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted	© √2	Bored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Ro	-	Driven	, , , , , , , , , , , , , , , , , , , ,
☐ Cable tool ☐ Other			



Water Well Record Bureau of Water

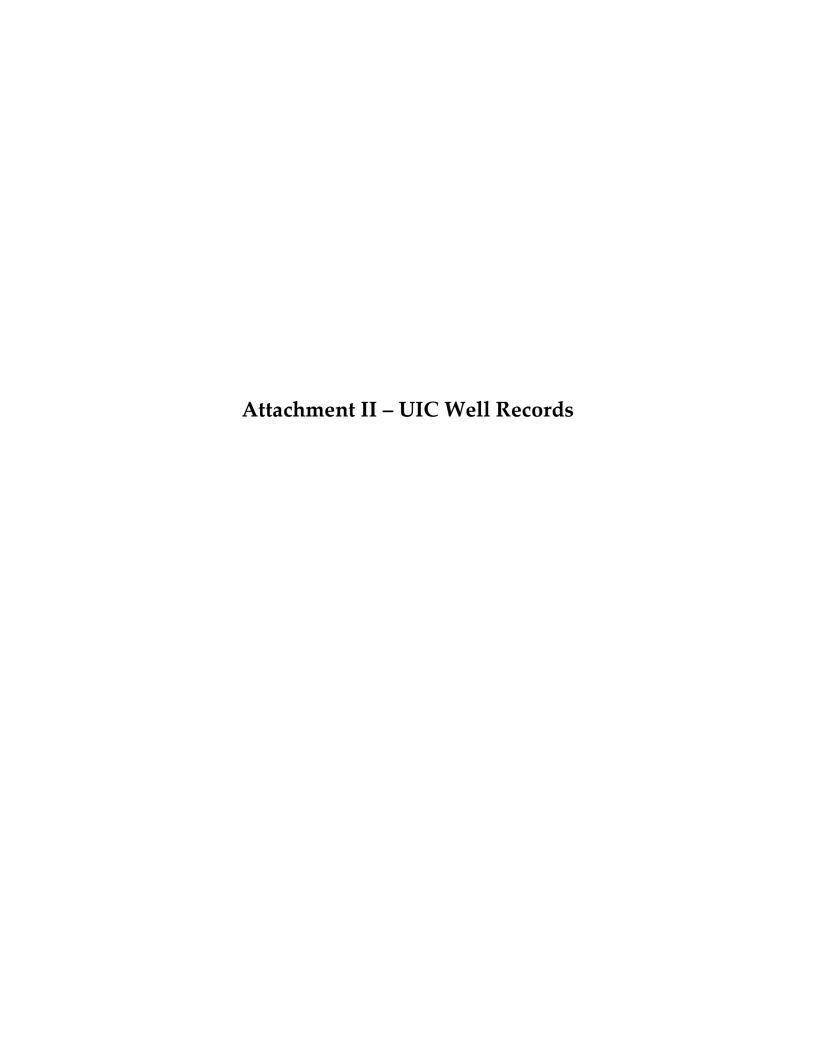
V UI ICC	TOUC BUILS	treet, Coll	Imbla, SC 29201-1708; (803) 898-4300 or release.		
1. WELLOWNER INFORMATION: Name: Marsh Furniture Co	mpany		7. PERMITNUMBER:		
(last)	(firs	t)	8. USE:		
Address: PO Box 870			6. USE:		
111 2 0 1 2		mm 4. 1			
City: High Point State: NO	Zip: 2	1201	☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement		
Tiles 111.11 28/ 004 77/2	11		9. WELL DEPTH (completed) Date Started: 9 - 28 - 20		
Telephone: Work: 334.884. 7343 2. LOCATION OF WELL: CO	Home: DUNTY:		i de la companya de		
Name: Marsh Lumber	JUNIT:		17 ft. Date Completed: 9 - 28 - 20		
Street Address: 119 East 6th	Auende		10. CASING: Threaded		
			Dlam.: Height: Above/Below Type: ☑ PVC ☐ Galvanized Surface		
City: famplico, sc	Zip: 2952	T.3	☐ Steet ☐ Other Weight Jb /ft		
			in. to ft. depth Drive Shoe? Yes TNo		
Latitude: Longitude	;, _#		in. toft. depth		
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	W NUMBER:	11. SCREEN: Type: Pyc Diam.: ZH		
	/		Slot/Gauge: 0.0) SCH.40 Length: 10 '		
4. ABANDONMENT: Yes	No		Set Between:ft. andft. NOTE: MULTIPLE SCREENS		
Give Details Below			,		
Grouted Depth: from	ft. to		Sieve Analysis 🔲 Yes (please enclose) 🖫 No		
Earmailan Bassinilan	*Thickness	•	12. STATIC WATER LEVEL ft. below land surface after 24 hours		
Formation Description	of Stratum	Bottom of Stratum	13. PUMPING LEVEL Below Land Surface.		
	Ottaton	01.010111	ft, after hrs. PumpingG.P.M.		
			Pumping Test: ☐ Yes (please enclose) 🌠 No		
			Yield:		
			14. WATER QUALITY		
			Chemical Analysis ☐ Yes ☑No Bacterial Analysis ☐ Yes ☑No		
]		Please enclose lab results.		
			15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No		
			installed from 17 ft. to 5 tt		
			Effective size 2 me0 Uniformity Coefficient 5and		
			16. WELL GROUTED? Ves 🗆 No		
			□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other		
			Depth: From		
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction		
	<u> </u>		Type		
			Well Disinfected ☐ Yes ☑ No Type: Amount:		
	<u> </u>		18, PUMP: Date installed: Not installed [V		
			Mfr. Name: _ ' Model No.:		
			H.P Voits Length of drop pipe ft. Capacity gpm		
			TYPE: Submersible Jet (shallow) Turbine		
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal		
			19. WELL DRILLER: Josh Parnish CERT. NO.: 2324		
			Address: (Print) Level: A B C D (circle one)		
			17538 Greenhill Rd.		
			charlotte NC 28278		
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7529 Fax No.:		
(Upp a 2nd phost if readed)			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under		
(Use a 2nd sheet if needed)	 		my direction and this report is true to the best of my knowledge and belief.		
5. REMARKS;					
Well ID #: MW-33					
		8	Signed:		
	1		Well Driller		
6. TYPE: ☐ Mud Rotary ☐ Jetted	-	Bored	If D Level Driller, provide supervising driller's name:		
☐ Dug ☐ Air Ro		Driven	,		
☐ Cable tool ☐ Other					
			=		



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

2000 Buil Street	or release.
1. WELL OWNER INFORMATION: Name: Marsh Furniture Company	7. PERMIT NUMBER:
(lest) (first)	8. USE;
Address: PO Box 870	☐ Residential ☐ Public Supply ☐ Process
City: High Point State NC Zip: 2720	☐ Irrigation ☐ Air Conditioning ☐ Emergency
•	To the second the second to th
Telephone: Work: 334,884,7343 Home:	9. WELL DEPTH (completed) Date Started: 9-29-20
2. LOCATION OF WELL: COUNTY:	
Name: Marsh Lumber Street Address: 119 East 6th Avenue	10. CASING: Of Threaded Welded Diam.: Height: Above/Below
	Type: PVC Galvanized Surface ft.
City: Amplico, Sc Zip: 29583	Steel D Other Weight lb./ft.
Latitude: Longitude:	
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NU	MBER: 11. SCREEN:
	Type: Pic Diam.: Zil
4. ABANDONMENT: D Yes W No	Slot/Gauge: 0.01 SCH. 40 Length: 10 Set Between: 17 ft. and 1 t. NOTE: MULTIPLE SCREENS
Give Details Below	ft. andft. USE SECOND SHEET
Grouted Depth: from ft. to	ft Sieve Analysis 🖸 Yes (please enctose) 🖫 No
*Thickness De	12. STATIC WATER LEVEL It, below land surface after 24 hours
	tom of ratum 13. PUMPING LEVEL Below Land Surface.
	ft. after hrs. Pumping G.P.M.
	Pumping Test: Yes (please enclose) Vold
	Yield:
	14. WATER QUALITY Chemical Analysis Yes No Bacterial Analysis Yes No
	Please enclose lab results.
	15. ARTIFICIAL FILTER (filter pack) BY Yes D No Installed from 17 ft. to 5 tt.
	Effective size # 2 meD Uniformity Coefficient Sund
	16. WELL GROUTED? To Yes No
	☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other ☐ ft. Depth: From
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
	Type/
	Well Disinfected ☐ Yes ☑ No Type: Amount:
	18, PUMP: Date installed: Not installed []
	Mfr. Name: Model No.:
	H.P. Volts Length of drop pipe ft. Capacity gpm TYPE: Submersible Det (shallow) Turbine
	☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
	19. WELL DRILLER: Josh Parish CERT. NO.: 2324
	Address: (Print) Level: A B C D (circle one)
	17538 Greenhill Rd.
	Charlotte NC 28278
*Indicate Water Bearing Zones	Telephone No.: 704. (407, 7529. Fax No.: 20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)	my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	
Well ID #: MW-34	Signed: Date: 10 19 20
	Signed: Date:
6. TYPE: ☐ Mud Rotary ☐ Jeffed	If D Level Driller, provide supervising driller's name:
□ Dug □ Air Rotery □ Driver	it o cover ormor, provide dupor training armer a marrier
☐ Cable tool ☐ Other	





October 29, 2020

South Carolina Department of Health and Environmental Control 2600 Bull Street
Columbia, South Carolina 29201-1708

Attention: Mr. Bruce Crawford

Reference: Underground Injection Control Permit

Marsh Lumber - VCC Number 16-5858-RP

Pamplico, South Carolina

S&ME Project No. 1584-98-146C

Dear Mr. Crawford:

S&ME, Inc. (S&ME) on behalf of Marsh Furniture Company has completed the installation of the seven new Class V.A.-1 wells as authorized by Underground Injection Control Permit #SCHE03020255M3, and corresponding Permit to Construct received from SCDHEC. The seven new wells are identified as BSW-9, BSW-10, BSW-11, BSW-12, BSW-13, BSW-14, and BSW-15. The UIC permit also involves the six pre-existing wells identified as BSW-3, BSW-4, BSW-5, BSW-6, BSW-7, and BSW-8. The existing and new wells will be utilized as bio-sparge wells during the pending Pilot Study. Figure B-1 depicts actual well locations which were generally consistent with the proposed locations. Attached are the Water Well Records (Form DHEC 1903) for the seven new wells and six existing wells. Also attached are photographs of the new well head completions. Please advise regarding a schedule for the SCDHEC well inspection and the pending approval of the Permit to Operate.

Please contact me at 336-312-3330 if you have any questions.

S&ME, Inc.

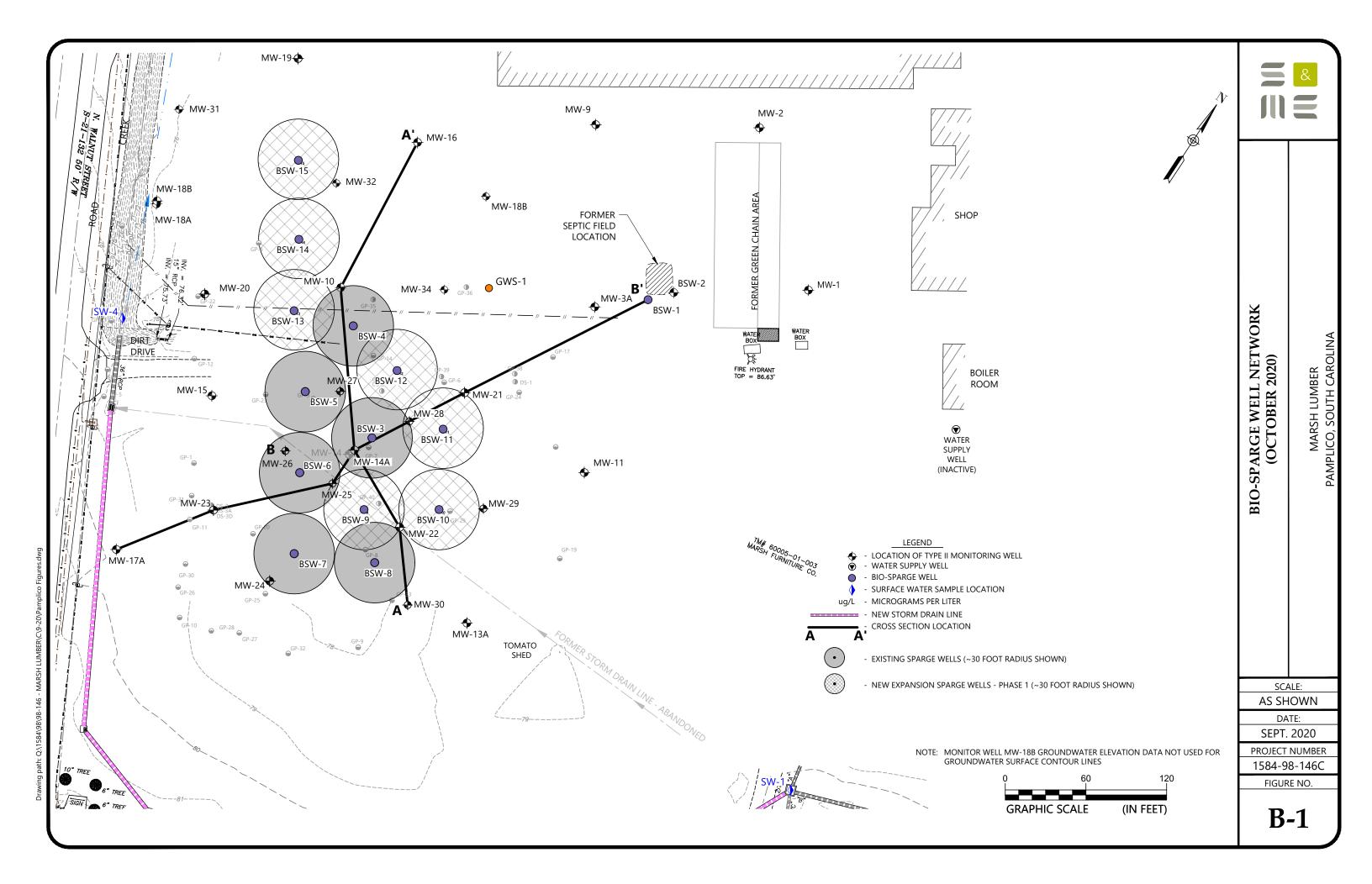
Edmund Q.B. Henriques Senior Project Manager

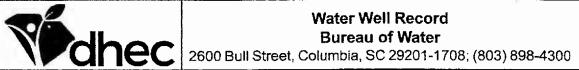
ehenriques@smeinc.com

Edmind & B. Deniques

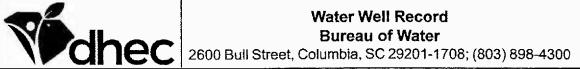
cc Bill Bumgarner, Marsh Furniture Company, P.O. Box 870, High Point, NC 27261 Bruce Collins, Marsh Lumber Co., 6th Avenue, Pamplico, SC 29583



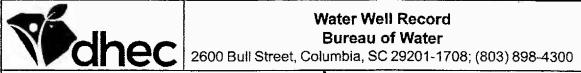




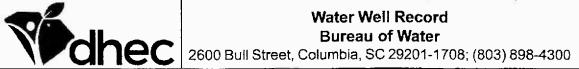
1. WELLOWNER INFORMATION: Name: Marsh furniture Company	7. PERMIT NUMBER:
(last) (first)	8. USE:
Address: PD Box 870	Residential Public Supply Process
6: 20-42	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: High Point State: NC Zip: 29583	☐ Test Well ☐ Monitor Well ☐ Replacement
Telephone: Work: Home:	9. WELL DEPTH (completed) Date Started: 4-14-18
2. LOCATION OF WELL: COUNTY:	15 ft. Date Completed: 4 - 17-18
Name: Marsh Lumber	10. CASING: Threaded Welded
Name: Maron Lumber	# 7 11
Street Address: 119 West 6th Ave.	Diam,: Height: Above/Below
City: Pamplico, SC Zip:	Type: PVC Galvanized Surface ft.
ramphed, oc	Steel Oother Weight lb./ft.
Latitude: Longitude:	13 In. to Offic depth Drive Shoe? Yes No
•	in, toft. depth
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:	11. SCREEN: Type: Pyc Diam.:
	Type: Pic Diam.;
A ADAMONIUM TO THE STATE OF THE	Slot/Gauge: D.61 SCH, 40 Length: 21
4. ABANDONMENT: Yes No	Set Between:
Give Details Below	" USE SECOND SHEET
Grouted Depth: fromft, toft,	Sieve Analysis ☐ Yes (please enclose) ☑ No
*Thickness Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description of Bottom of	13. PUMPING LEVEL Below Land Surface.
Stratum Stratum	ft. after hrs. Pumping G.P.M.
The state of the s	Pumping Test: [] Yes (please enclose) (No
	Yield:
	14. WATER QUALITY
	Chemical Analysis ☐ Yes ☑No Bacterial Analysis ☐ Yes ☑No
	Please enclose lab results.
	15. ARTIFICIAL FILTER (filter pack) Yes I No
	Installed from 15 ft to 12 ft Effective size 42 Meb Uniformity Coefficient 5445
	Effective size
	16. WELL GROUTED? ☑ Yes ☐ No
	□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
	Depth: From
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction *
	Type
	Well Disinfected ☐ Yes ☑ No Type: Amount:
	18. PUMP: Date installed: Not installed
	Mfr. Name: Model No.:
	H.P Volts Length of drop pipe ft. Capacity gpm
	TYPE; Submersible Jet (shallow) Turbine
	☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
	19. WELL DRILLER: Jacob KIKER CERT. NO.: 2200
r r	Address: (Print) Level: A (B) C (D) (circle one)
	17538 Greenhill Rd.
	Charlotte NC 28278
*Indicate Water Bearing Zones	Telephone No.: 704.407. 7579 Fax No.: 803.548.2233
	20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)	my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	
well ID# BSW-8	1 4-74-18
	Signed:
	Well Orlier
6. TYPE: ☐ Mud Rotary ☐ Jetted	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driven	
☐ Cable tool ☐ Other	
_ 0000	



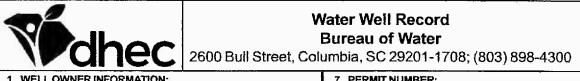
1. WELLOWNER INFORMATION: Name: Marsh Furniture Company	7. PERMIT NUMBER:
(last) (first)	8. USE:
Address: PD Box 870	Residential Public Supply Process
1111 D to Am 20-4	
City: High Point State: NC Zip: 2958	
Telephone: Work: Home:	9. WELL DEPTH (completed) Date Started: 4-14-18
2. LOCATION OF WELL: COUNTY:	14 ft. Date Completed: 4 - 17-18
Name: March Lumbea	10. CASING: Threaded Welded
Street Address: 119 West 6th Ave.	Diam.; Height: Above/Below
City: _ Zin:	Type: BY PVC Galvanized Surface
City: Pamplico, SC Zip:	Steel Other Weight
Latitude: Longitude:	in. toft. depth
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUM	BER: 11. SCREEN:
	Type: PVC Diam.: Z" Slot/Gauge: 0.01 Scrt. 40 Length: Z !
4. ABANDONMENT: Yes No	Slot/Gauge: Length;
——————————————————————————————————————	Set Between: 14 ft. and 12 ft. NOTE: MULTIPLE SCREENS
Give Details Below	ft, andft_ USE SECOND SHEET
Grouted Depth: fromft. to	······································
*Thickness Dept	12, 3 (A) C VIALER LEVEL
Formation Description of Botto Stratum Stra	An Indiana Court Delication to a Court Court
Stratum Stra	ft. after hrs. Pumping GP.M.
2	Pumping Test: ☐ Yes (please enclose) ♥ No
	Yield:
	14. WATER QUALITY
	Chemical Analysis
	Please enclose lab results.
	15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
	Installed from 14 ft. to 11 ft. Effective size 2 MED Uniformity Coefficient 5 A-US
	Effective size
	16. WELL GROUTED? Fres No
	☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
	Depth: Fromft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Type
	Well Disinfected ☐ Yes ☑ No Type: Amount:
	18, PUMP: Date installed: Not installed IF
	Mfr. Name: Modet No.: ft. Capacity gpm
7.11	H.P. Volts Length of drop pipe ft. Capacity gpm TYPE: Submersible Jet (shallow) Turbine
	☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
	19. WELL DRILLER: Jacob KIKER CERT. NO.: 2200
	Address: (Print) 17538 Grenhill Rd. Level: A (B) C D (circle one)
	1730 5 TOM 1 7078
	Charlotte NC 28278 Telephone No.: 704. 407. 7579 Fax No.: 803.548.2233
*Indicate Water Bearing Zones	Telephone No.: 704. 407. 7579 Fax No.: 803.540.0053
(Use a 2nd sheet if needed)	my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	
well To# BSW-7	
Na.	Signed: 2 Date: 4-74-18
	Signed: Date:
6. TYPE: ☐ Mud Rotary ☐ Jetted 😿 Bored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driven	
☐ Cable tool ☐ Other	



W GI IOO					
1. WELLOWNER INFORMATION: Name: Marsh Furniture Company			7. PERMIT NUMBER:		
(last)	(first))	8. USE:		
Address: PD Box 870		39	☐ Residential ☐ Public Supply ☐ Process		
on this Disease	r - 2	95.42	☐ Irrigation ☐ Air Conditioning ☐ Emergency		
City: High Point State: N	C Zip: C	2002	☐ Test Well ☐ Monitor Well ☐ Replacement		
Telephone: Work:	Home:		9. WELL DEPTH (completed) Date Started: 4-16-18		
	DUNTY:				
Name: Marsh Lumber	DUIT (I)		Date Completed, 1		
Marie Marzy Lumber	1. th		10. CASING: Threaded Welded		
Street Address: 119 West	a. And		Diam.: Height: Above/Below		
City: Pamplico, SC	Zip:		Type: To PVC Galvanized Surfaceft.		
i amplico, oc			13 Steel Other Weight Ib./ft. in. to ft. depth Drive Shoe? Yes Yes		
Latitude: Longitude	e :				
			in. toft. depth		
3. PUBLIC SYSTEM NAME: PL	IBLIC SYSTEM	NUMBER:	11. SCREEN:		
			Type: PUC Diam.: Z" Slot/Gauge: D.01 Scrl. 40 Length: Z '		
4. ABANDONMENT: Yes	No		SlovGauge: Length:		
	140		Set Between:ft, andft. NOTE: MULTIPLE SCREENS		
Give Details Below		_	ft. andft. USE SECOND SHEET		
Grouted Depth: from			Sieve Analysis		
	*Thickness		12. STATIC WATER LEVEL ft. below land surface after 24 hours		
Formation Description	1	Bottom of Stratum	13. PUMPING LEVEL Below Land Surface.		
	Stratum	JUGUIII	ft. after hrs. Pumping G.P.M.		
	1		Pumping Test: Yes (please enclose) P No		
			Yield:		
		·	14. WATER QUALITY		
			Chemicał Analysis ☐ Yes 🖪 Yo 🛮 Bacterial Analysis ☐ Yes 🖪 No		
			Please enclose lab results.		
			15. ARTIFICIAL FILTER (fitter pack) Yes No		
			Installed from 15 ft. to 12 ft. Effective size 42 med Uniformity Coefficient 5 AAB		
	H		Effective size # 2 MPA Uniformity Coefficient 5 AND		
			16. WELL GROUTED? Yes □ No		
			□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other		
	-		Depth: From Z ft. to ft.		
~~	1		Type Well Disinfected ☐ Yes ☑ No Type: Amount:		
			the same of the sa		
			18. PUMP: Date installed: Not installed		
			Mfr. Name: Model No,:		
The second desired the second de	+		H.P Volts Length of drop pipe ft, Capacity gpm		
			TYPE: Submersible Jet (shallow) Turbine		
	ļ <u>i</u>		☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal		
	0.0		19. WELL DRILLER: Jacob KIKER CERT. NO.: 2200		
			Address: (Print) Level: A B C D (circle one)		
	1		17538 Grenhill Rd.		
			Charlotte NC 28278		
*Indicate Water Bearing Zones			Telephone No.: 704. LOT. 7579 Fax No.: 803.548.2233		
-	1		20, WATER WELL DRILLER'S CERTIFICATION: This well was drilled under		
(Use a 2nd sheet if needed)	F		my direction and this report is true to the best of my knowledge and belief.		
5. REMARKS:	1				
well ID# BSW-6					
Mell Tom nim. 6			1 4-74-18		
			Signed:		
			Well Driller		
6. TYPE: Mud Rotary) ∑ B	ored	If D Level Driller, provide supervising driller's name:		
☐ Dug ☐ Air Ro		riven	a ware wines provide super tienty wines o nation		
☐ Cable tool ☐ Other	,				



1. WELLOWNER INFORMATION: Name: Marsh furniture company		7. PERMIT NUMBER:
(last) (first)		8. USE:
Address: PD Box 870	25	Residential Public Supply Process
1111 At	احور	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: High Point State, NC Zip: 294	705	☐ Test Well ☐ Monitor Well ☐ Replacement
•	ŀ	9. WELL DEPTH (completed) Date Started: 4-16-18
Telephone: Work: Home:		• £ I
2. LOCATION OF WELL: COUNTY:		ft. Date Completed: 7 - 178
Name: Marsh Lumber		10. CASING: Threaded
Street Address: 119 West 6th Ave.		Diam.: Height: Above/Below
City: A Zip:		Type: 🖼 PVC 🗌 Galvanized Surfaceft.
City: Pamplico, SC Zip:	İ	Steel Other Weight lb./ft.
Latitude: Longitude:		in. toft. depth Drive Shoe?
3		in. toft. depth
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM N	UMBER:	11. SCREEN:
		Type: Diam.:
		Slot/Gauge: 0.6) 347, 40 Length: 2
4. ABANDONMENT: Yes No	i	Set Between: 14 ft. and 12 ft. NOTE: MULTIPLE SCREENS
Give Details Below		* ' ft. and
Grouted Depth: fromft. to	ft.	Sieve Analysis 🔲 Yes (please enclose) 🖫 No
*Thickness D		12. STATIC WATER LEVEL ft. below land surface after 24 hours
,	ottom of	13. PUMPING LEVEL Below Land Surface.
Stratum S	tratum	13. PUMPING LEVEL Below Land Surface. ft. after hrs. Pumping G.P.M.
		Pumping Test: Tyes (please enclose) (W No
		Yield:
		14. WATER QUALITY
**	į	Chemical Analysis 🗌 Yes 🖼 Mo 💮 Bacterial Analysis 🗎 Yes 🖼 No
		Please enclose lab results.
		15. ARTIFICIAL FILTER (filter pack) ✓ Yes No
	_ 10	Installed from ft. to ft.
		Effective size
		16. WELL GROUTED? FYes □ No
		□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
		Depth: From
	1	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
		Type Amount:
		18. PUMP: Date installed: Not installed 🕑
P		Mfr. Name: Model No.:
	- 8	H.P Votts Length of drop pipe ft. Capacity gpm
		TYPE: Submersible Jet (shallow) Turbine
		☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
		19. WELL DRILLER: JACOB KIKER CERT. NO.: 2206
		Address: (Print) Level: A B C D (circle one)
P		17538 Greenhill Rd.
		charlotte NC 28278
*Indicate Water Bearing Zones		Telephone No.: 704.607. 7579 Fax No.: 803.548.2733
		20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)		my direction and this report is true to the best of my knowledge and belief.
5. REMARKS;		
well To# BSW-5		
Meil Thu over 2		4-76-18
		Signed: Date:
		Well Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted 😿 Bore	ed	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driv	/en	
☐ Cable tool ☐ Other		
	127 P	



W 011 10 0	· .			
1. WELLOWNER INFORMATION: Name: Marsh Fural ture Company		7. PERMIT NUMBER:		
(last) (first)		8. USE:		
Address: PD Box 870	ļ	☐ Residential ☐ Public Supply ☐ Process		
City: High Point State: NC Zip: 295	582	☐ Irrigation ☐ Air Conditioning ☐ Emergency		
City. Filgh tellif state. 200 Zip. C. 1.	//3	☐ Test Well ☐ Monitor Well ☐ Replacement		
Telephone: Work: Home:	•	9. WELL DEPTH (completed) Date Started: 4-/4-/8		
2. LOCATION OF WELL: COUNTY:		. • •		
Name: Marsh Lumber	1	14 ft. Date Completed: 4-17-18 10. CASING: Threaded		
Street Address: 119 West 6th Ave.	1	7 11		
	1			
City: Pamplico, SC Zip:	ì			
		Steel U Other Weight — Ib./ft. in. to ft. depth Drive Shoe?		
Latitude: Longitude:	1	in, to ft. depth		
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM N	UMBER:	11. SCREEN: Type: PVC Diam.:		
		Slot/Gauge: 0.01 Scrl. 40 Length; Z 1		
4. ABANDONMENT: Yes No		Set Between: 14 ft. and 12 ft. NOTE: MULTIPLE SCREENS		
Give Details Below		ft. andft. USE SECOND SHEET		
Grouted Depth: from ft. to	ft.	Sieve Analysis Yes (please enclose) No		
*Thickness Do		12. STATIC WATER LEVEL ft. below land surface after 24 hours		
Formation Description of Bo	ttom of	- Control of the Cont		
Stratum S	tratum	13. PUMPING LEVEL Below Land Surface.		
177		ft. afterhrs. PumpingG.P.M. Pumping Test: ☐ Yes (please enclose) No		
		Yield:		
		14. WATER QUALITY		
		Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No		
		Please enclose lab results.		
		15. ARTIFICIAL FILTER (filter pack) ✓ Yes □ No		
		Installed from 14 ft. to 11 ft. Effective size 4 2 MRD Uniformity Coefficient 5 440		
		Effective size Uniformity Coefficient > PROS		
		16. WELL GROUTED? FYES INO		
		☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other		
	isa	Depth: From ft. to ft.		
		17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction		
		Type		
		Well Disinfected ☐ Yes ☑ No Type: Amount:		
		18. PUMP: Date installed: Not installed [F		
		Mfr. Name: Model No.;		
		H.P Volts Length of drop pipe ft. Capacity gpm		
		TYPE: Submersible Set (shallow) Turbine		
		☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal		
	1	19. WELL DRILLER: JACOB KIKER CERT. NO.: 2200		
		Address: (Print) Level: A B C D (circle one)		
	1	17538 Greenhill Rd.		
		Charlotte NC 28278		
*Indicate Water Bearing Zones		Telephone No.: 704. 407. 7579 Fax No.: 803.548.2233		
(Upp a 2nd shoot if readed)		20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under		
(Use a 2nd sheet if needed)		my direction and this report is true to the best of my knowledge and belief.		
5. REMARKS:				
Well IO# BSW-4				
		Signed: Date:		
		Well Driller		
6, TYPE: Mud Rotary	d I	If D Level Driller, provide supervising driller's name:		
☐ Dug ☐ Air Rotary ☐ Drive		II D DEVEL DANIEL, PLOVIDE SUPELVISHING UNITED STRATE.		
☐ Cable tool ☐ Other				



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER			
1. WELL OWNER INFORMATION:			7. PERMIT NUMBER: 14343
Name: Marsh Furniture Co.			14545
(last)	(firs	st)	8. USE:
Address: P.O. Box 870			☐ Residential ☐ Public Supply ☐ Process
			☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: High Point State: NC	Zip:		☐ Test Well ☐ Replacement
Telephone: Work: (336) 884-7363	Home:		
2. LOCATION OF WELL: CO	OUNTY:		17 ft. Date Completed: 9/9/16
Name: Marsh Lumber			10. CASING: ☑ Threaded ☐ Welded
Street Address: 119 6th Ave.			Diam.: 2" Height: Above/Below
	Zip:		Type: ☑ PVC ☐ Galvanized Surface 1.5'
- Tampheo, BC	-		Steel Dother Weight
Latitude: Longitude	<u>.</u>		2in, to 15ft, depth Drive Shoe? ☐ Yes ☑ No
	•		in. toft. depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	M NUMBER:	11. SCREEN:
3. PODEO GISTEM NAME. PO	BEIG GIGIE	III NOMBEK.	Type: PVC
10 (5-1/2)			Slot/Gauge: 0.01"/ Sch 40 Length: 2'
4. ABANDONMENT: ☐ Yes ☑	No		Set Between: 15 ft. and 17 ft. NOTE: MULTIPLE SCREENS
Give Details Below			# ft. and # USE SECOND SHEET
Grouted Depth: fromf	t. to	ft.	Sieve Analysis Yes (please enclose) No
	*Thickness		12. STATIC WATER LEVEL ft, below land surface after 24 hours
Formation Description	of	Bottom of	
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface.
Fill - clayey to silty Sand	3.5'	3.5'	ft. after hrs. Pumping G.P.M.
			Pumping Test: ☐ Yes (please enclose) ☑ No
Lt. gray Clay	4'	7.5'	Yield:
			14. WATER QUALITY
Lt. gray sandy Silt	2'	9.5'	Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☐ No
Dr. gruy bandy bite	-	,	Please enclose lab results.
Red-yellow fine sandy Silt	5'	14.5'	15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Red-yellow line sandy 511t	3	17.5	Installed from 13.5 ft. to 17 ft.
Brn-yellow fine sandy Clay	2.5'	17'	Effective size #2 med sand Uniformity Coefficient
Bili-yellow file salidy Clay	2.3	1 /-	
			16. WELL GROUTED? ☑ Yes ☐ No
			□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
			Depth: From <u>0</u> ft, to <u>13.5</u> ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
			Type
			Well Disinfected ☑ Yes ☐ No Type; Amount;
			18. PUMP: Date installed: Not installed ☑
			Mfr. Name: Model No.:
			H.P. Volts Length of drop pipe ft. Capacity gpm
			TYPE: Submersible Jet (shallow) Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			7 1 77
			Address: (Print) Level: A B C D (circle one)
			2205 Lancaster Ave., Monroe, NC
*Indicate Water Bearing Zones			Telephone No.: 7()4-254-2885 Fax No.: 803-548-2233
			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			my another and the report is true to the sest of my knowledge and select.
BSW-3			Signed: Date: 10/3/16
			Signed:
			West Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted	ाद	Bored	1601 100
Dug Air Rotary Driven			If D Level Driller, provide supervising driller's name:
☐ Cable tool ☐ Other	ici y —	Oct vell	
The contraction of the contracti			



Mahaa		I	provided on this document is subject to public scrutiny	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2600 Bull S	treet, Colu	umbia, SC 29201-1708; (803) 898-4300	or release.
1. WELLOWNER INFORMATION: Name: Marsh Furniture (ompany		7. PERMIT NUMBER:	
(last)	(firs	ι)	8. USE:	
Address: PO Box 870			☐ Residential ☐ Public Supply	☐ Process
City: High Point State A	JC Zip: Z	7261	☐ Irrigation ☐ Air Conditioning ☐ Test Well ☑ Monitor Well	_ · ·
Telephone: Work: 336,8 84,734			9. WELL DEPTH (completed) Date Started: G	☐ Replacement
	COUNTY:	RE-RES	ft. Date Completed:	
Name: Marsh Lumber	la 0		10. CASING: Threaded Welded	
Street Address: 119 East 61		(2)	Diam.	
City: famplico, sc	Zip. 2958	.5	☐ Steel ☐ Other Weight	ft.
Latitude: Longitud	de		in. toft. depth Drive Shoe?	□Yes 52/No
3. PUBLIC SYSTEM NAME: F	UBLIC SYSTEM	A MILMOCO:	44 CODEEN:	
3. PUBLIC STSTEM NAME: P	ODLIC STOTE	R NUMBER:	Type: Diam.;	2"
4. ABANDONMENT: Yes 5	No No		Slot/Gauge: 0.01 13CH, 70 Length:	
Give Details Below				OTE: MULTIPLE SCREENS SE SECOND SHEET
Grouted Depth: from	-,		Sieve Analysis	
Formation Description	*Thickness of	Depth to Bottom of	12. STATIC WATER LEVEL	elow land surface after 24 hours
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface. ft after hrs. Pumping .	GPM.
			Pumping Test: Yes (please enclose) IV No	
		707	Yseld:	
	<u> </u>		14. WATER QUALITY Chemical Analysis □ Yes ☑ No Bacterial Analysis	CI Vac EN
			Please enclose lab results.	. I les Œreo
			15. ARTIFICIAL FILTER (filter pack) DV Yes D No	
			Instelled from 15 ft. to Effective size 2 mc Uniformity Coeffi	cient Sand
			16. WELL GROUTED? Yes [] No	GCIII
			☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement [
	10		Depth: From 1 ft. to	
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:	fl direction
			Well Disinfected ☐ Yes Of No Type:	Amount
			18. PUMP: Date installed:	
			Mfr. Name: Model No.: H.P Volts Length of drop pipe	
	1			т. Сараспу gpm] Turbine
			-] Centrifugal
	and the second	3		: NO.: 2324
			17538 Greenhill Rd.	A B C D (circle one)
			charlotte NC 28278	
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7579. Fax N 20, WATER WELL DRILLER'S CERTIFICATION: This well was	
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my know	
5. REMARKS:		1		
Well ID #: BSW-14	NY.			
W W			Signed:	Date: 10 19 20
C TYPE, C			Well Driller	
6. TYPE: ☐ Mud Rotary ☐ Jette ☐ Dug ☐ Air F		Bored Driven	If D Level Driller, provide supervising driller's name:	
☐ Cable tool ☐ Othe				



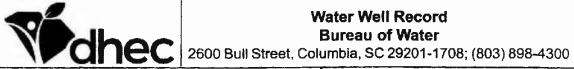
Valhac		f	later Well Record Bureau of Water	Note: Personal information provided on this document is subject to public scrutiny
	2600 Bull S	treet, Colu	ımbia, SC 29201-1708; (803) 898-4300	or release.
1. WELLOWNER INFORMATION: Name: Marsh furniture (•		7. PERMIT NUMBER:	
(last) Address: Po Box 870	(firs	t)	8. USE: ☐ Residential ☐ Public Supply	C) Processor
City: High Point State: N	JC Zip: Z *	7ZG1	☐ Irrigation ☐ Air Conditioning ☐ Test Well ☑ Monitor Well	☐ Process ☐ Emergency ☐ Replacement
Telephone: Work: 336,884.736.	3 Home:		9. WELL DEPTH (completed) Date Started:	
2. LOCATION OF WELL:	COUNTY:		15 t Date Completed:	q-29-20
Name: Marsh Lumber Street Address: 119 East 61	4 Avenue		10. CASING: 19 Threaded	
City:	Zip: 2958	3	13.8	ft.
rampine, 32		_	Steel Other Weight	∏Yes ® No
Latitude: Longitud	de:		in to ft. depth	Tes G No
3. PUBLIC SYSTEM NAME: P	UBLIC SYSTEM	NUMBER:	11. SCREEN: Type: PJC Diam.:	Z"
4. ABANDONMENT: Yes	/		Slot/Gauge: 0.0) 5CH.40 Length:	Z'
Give Details Below		ì	Set Between: 15 ft. No.	OTE: MULTIPLE SCREENS
Grouted Depth: from		ft.:	Sieve Analysis Yes (please enclose) No	DE DECUMU SNIEE I
Formation Decomption	*Thickness of	Depth to Bottom of	12. STATIC WATER LEVEL ft. be	
Formation Description	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface.	
			ft, after hrs. Pumping	GP.M.
			Yield:	
			14. WATER QUALITY	
100 100			Chemical Analysis	i □ Yes 🗹 No
			15. ARTIFICIAL FILTER (filter pack) ✓ Yes □ No	
			Installed from 15 fl. to Effective size 2 MPO Uniformity Coefficients	cient Sand
2 12 12		_	16. WELL GROUTED? Yes No	
			☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐	
			Depth: From ft. to	
	LAN		17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:	
	VAL		Well Disinfected ☐ Yes ☐ No Type:	
			18, PUMP: Date installed:	
			H.P. Volts Length of drop pipe	
- 3] Turbine] Centrifugal
202				No.: 2324
	1		Address: (Print) Level: 17538 Greenhill Rd	A B C D (circle one)
			Charlotte NC 28278	
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7529 Fax N	
(Use a 2nd sheet if needed)		i	20. WATER WELL DRILLER'S CERTIFICATION: This well was my direction and this report is true to the best of my know	
5. REMARKS:			my disposer and and report is and to the best of my know	nougo and police.
Well ID #: 135W-15				
Well and the CONV TY			Signed:	Date: 10 19 20
	1		Well Driller	•
6. TYPE: Mud Rotary Jette Dug Air R Cable too! Othe	Rotary 🗆 [Gored Oriven	If D Level Driller, provide supervising driller's name:	



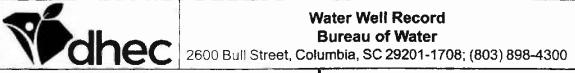
₹		W	later Well Record	Note: Personal information
			Bureau of Water	provided on this document is subject to public scrutiny
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2600 Bull S	treet, Colu	umbia, SC 29201-1708; (803) 898-4300	or release.
1. WELL OWNER INFORMATION:		E-	7. PERMITNUMBER:	
Name: Marsh furniture (ompany			
(last)	(firs	t)	8. USE:	
Address PO Box 870			☐ Residential ☐ Public Supply	☐ Process
City: High Point State.	JC Zip: Z	7261	☐ Irrigation ☐ Air Conditioning	☐ Emergency
•			☐ Test Well	Replacement
Telephone: Work: 336,884,734			9. WELL DEPTH (completed) Date Started:	
2. LOCATION OF WELL: Name: Marsh Lumber	COUNTY:			9-30-20
Street Address: 119 East 6	th Avenue		10. CASING: Threaded Welded Diam.: Height: Above	A/Relow
	Zip 2958	23		fl.
City: Pamplico, sc		· 1	☐ Steel ☐ Other Weight	lb./ft.
Latitude: Longitu	de:		in. toft. depth Drive Shoe?	☐ Yes 😿 No
			11. SCREEN:	
3. PUBLIC SYSTEM NAME:	PUBLIC SYSTE	M NUMBER:	Type: PVC Diam.:	211
			SiorGauge. Oto 1 Delite 14 Length.	21
	™ No			OTE: MULTIPLE SCREENS
Give Details Below				SE SECOND SHEET
Grouted Depth: from	Thickness		Sieve Analysis	
Formation Description	of	Bottom of	12. STATIC WATER LEVEL	elow land surface after 24 hours
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface.	
	1		ft. after hrs. Pumping Pumping Test: (1) Yes (please enclose) IV No	G.P.M.
			Yield:	0.0240
			14. WATER QUALITY	
		, 		s 🗆 Yes 🗷 No
	į		Please enclose lab results.	V 0 100 m.10
			15. ARTIFICIAL FILTER (filter pack) ▼ Yes □ No	
			Installed from 18 ft. to	<u>14 </u>
	V _{EC}		Effective size #2M60 Uniformity Coeff	icient Sand
152-110-2	14-		16. WELL GROUTED? To res No	
	1		☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement	
			Depth: From 14 ft. to	
	-		17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:	ft direction
			Type	Amount
		, .	18, PUMP: Date installed: Model No.:	Not installed 😰
			H.P Volts Length of drop pipe	
	li l	ļ.] Turbine
 			☐ Jet (deep) ☐ Reciprocating ☐] Centrifugal
			19. WELL DRILLER: Josh Parnish CERT	T. NO.: 2324
				: A B C D (circle one)
			17538 Greenhill Rd. Charlotte NC 28278	
the diagon Minter Donder 7			Telephone No.: 704, 1207, 7529 Fax i	No :
*Indicate Water Bearing Zones			20. WATER WELL DRILLER'S CERTIFICATION: This well was	
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my know	
5. REMARKS:			,	-
Hall To # ! Rend-In				
Well ID #: BSW-10			Signadi.	Date: 10 19 20
			Signed: Well Driller	Date.
6. TYPE: ☐ Mud Rotary ☐ Jett	ed RJ	Bored	If D Level Oriller, provide supervising driller's name:	
Dug Air		Driven	in Dicavol officer, provide supervising diffici a frame.	
☐ Cable tool ☐ Oth	•	ý		



2600 Bull Street, Cold		treet, Coit	Infola, 5C 29201-1700, (603) 696-4300 or release.
1. WELLOWNER INFORMATION: Name: Marsh furniture Con			7. PERMIT NUMBER:
(last)	{firs	t)	8. USE:
Address: PO Box 870			☐ Residential ☐ Public Supply ☐ Process
an 111 h 0-1-1	- 2	7761	☐ Irrigation ☐ Air Conditioning ☐ Emergency
city: High Point State: NC Zip: 27261		1241	☐ Test Well
Telephone: Work; 336.884.7343	Home:		9. WELL DEPTH (completed) Date Started: 1-30-20
· · · · · · · · · · · · · · · · · · ·	UNTY:		
Name: Marsh Lumber			10 CASING: W Threaded
Street Address: 119 East 6th	Avenue		Diam.: Height: Above/Below
	Zip: 2958	13	Type: PVC Galvanized SurfacefL
City: famplico, sc			Steel Other Weight
Latitude: Longitude	:	ļ	
	Vr.		In. to ft. depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	N NUMBER:	11. SCREEN: Type P/c Diam.: Z"
		8	Slot/Gauge: 0.01 SCH. 46 Length. 21
4. ABANDONMENT: Yes W	No		Set Between: 17 ft. and 15 ft. NOTE: MULTIPLE SCREENS
Give Details Below			The and
Grouted Depth: fromf			Sieve Analysis 🔲 Yes (please enclose) 🖫 No
	*Thickness	Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description	of Stratum	Bottom of Stratum	13. PUMPING LEVEL Below Land Surface.
	Stratum	Otratum	ft. after hrs. Pumping G.P.M.
			Pumping Test: 🔲 Yes (please enclose) 🍞 No
			Yield;
			14. WATER QUALITY
			Chemical Analysis 🗆 Yes 🖪 No 🛮 Bacterial Analysis 🗀 Yes 🗔 No
			Please énclose lab results.
-			15. ARTIFICIAL FILTER (filter pack)
·····			Installed from 17 ft. to 13 ft. Effective size # Z MeD Uniformity Coefficient Sand
			Effective size # Z M4D Uniformity Coefficient Sand
<u> </u>			16. WELL GROUTED? Yes No
		1	□ Neat Cament □ Bentonite □ Bentonite/Coment □ Other
			Depth: From
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
			Type
			Well Disinfected ☐ Yes ☐ No Type: Amount:
			18. PUMP: Date installed: Not installed W
			Mfr. Name: Model No.:
			H.PVoltsLength of drop pipeft. Capacitygpm TYPE:
			TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: . Josh Parish CERT. NO.: 2324
			Address: (Print) Level: A B C D (circle one)
			17538 Greenhill Rd.
			charlotte NC 28278
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7529. Fax No.:
			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)	//		my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	Ĭ.		
Llau To #: RSW-11			
Well ID #: 135W-11			Signed:
			Signed: Date: Date:
& TYPE: (1 Mod Dates)	s/s	None	
6. TYPE: ☐ Mud Rotary ☐ Jetted 🖫 Sored ☐ Dug ☐ Air Rotary ☐ Driven			If D Level Driller, provide supervising driller's name:
☐ Cable tool ☐ Other			



2000 Bull SiteBt, Col	diffibita, 30 2920 1-1700, (003) 090-4300
1. WELLOWNER INFORMATION: Name: Marsh Furniture Company	7. PERMIT NUMBER:
(last) (first)	8. USE:
Address: PO Box 870	☐ Residential ☐ Public Supply ☐ Process
and 111 to 0.1st and about 277.61	☐ frigation ☐ Air Conditioning ☐ Emergency
City: High Point State; NC Zip: 27261	☐ Test Well ☐ Monitor Well ☐ Replacement
Telephone: Work: 336.884.7363 Home:	9. WELL DEPTH (completed) Date Starled: 9-30-20
2. LOCATION OF WELL: COUNTY:	
Name: Marsh Lumber	10. CASING: Toreaded
Street Address: 119 East 6th Avenue	Diam.: Height: Above/Below
City: Pamplico, SC Zip: 29583	Type: ☑ PVC ☐ Galvanized Surfaceft.
Pamplico, Sc	Steel Other Weight
Latitude: Longitude:	
	in. toft. depth
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:	11. SCREEN:
	Type: DJc Diam.: Z" Slot/Gauge: D.01 ScH. 40 Length, Z'
4. ABANDONMENT: Yes You No	Sloudauge.
Give Details Below	Set Between:
Grouted Depth: from ft. to ft	Sieve Analysis Yes (please enclose) No
*Thickness Depth to	12. STATIC WATER LEVEL ft, below land surface after 24 hours
Formation Description of Bottom of	
Stratum Stratum	13. PUMPING LEVEL Below Land Surface.
	ft after hrs. Pumping G.P.M. Pumping Test: Yes (please enclose) W No
	Yield:
	14. WATER QUALITY
	Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No Please enclose lab results.
	15, ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
	Installed from 16 ft. to 12 ft. Effective size #2 mco Uniformity Coefficient 5and
	16. WELL GROUTED? Pes No
	□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other □ Depth: From □ 0 ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: fl direction
	Type Amount
	18. PUMP: Date installed: Not installed
	Mfr. Name: Model No
	H.P. Volts Length of drop pipe ft. Capacity gpm
	TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
	19. WELL DRILLER: Josh Parish CERT. NO.: 2324
	Address: (Print) Level: A B C D (circle one)
N	Charlotte NC 28278
*Indicate Water Bearing Zones	Telephone No.: 704. 607. 7529 Fax No.:
HIGHER TYRIN PORHING EATING	20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)	my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	,
	_
Well ID #: BSW-12	1 1 2 1 2 1 2 1 2 1
	Signed:
	Well Driffer
6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driven	
☐ Cable tool ☐ Other	
	10

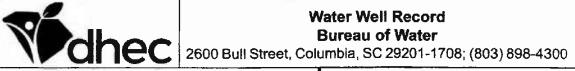


V OIL IC C	
1. WELLOWNER INFORMATION: Name: Marsh Furniture, Company	7. PERMIT NUMBER:
(last) (first)	8. USE:
Address PO Box 870	☐ Residential ☐ Public Supply ☐ Process
0 H' h 0-h) 0 m AM 7 27761	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: High Point State: NC Zipi 27261	☐ Test Well
Telephone: Work: 336.884.7343 Home:	9. WELL DEPTH (completed) Date Started: 9-30-20
2. LOCATION OF WELL: COUNTY:	14 n. Date Completed: 9 - 30 - 20
Name: Marsh Lumber	10. CASING: De Threaded
Street Address: 119 East leth Avenue	Olam.: Height: Above/Below
City: Pamplico, Sc Zip: 29583	Type: 🖫 PVC 🗌 Galvanized Surfacett.
(William)	☐ Steel ☐ Other Weight —
Latitude: Longitude:	in. to ft. depth Drive Snoe? Yes Syr No
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER	P. 11. SCREEN:
	Type: Diam.: 2"
4. ABANDONMENT: Yes No	Slot/Gauge: 0.01 544, 40 Length,
Give Details Below	Set Between: 14 ft. and 12 ft. NOTE: MULTIPLE SCREENS
Grouted Depth: from ft. to	ft. andft. USE SECOND SHEET Sieve Analysis □ Yes (please enclose) Ⅳ No
*Thickness Depth	
Formation Description of Bottom	Of As Diversity of Comp.
Stratum Stratu	ft. after hrs. Pumping G.P.M.
	Pumping Test: ☐ Yes (please enclose) ☑ No
	Yield:
LCA.	14. WATER QUALITY
	Chemical Analysis 🗆 Yes 🖪 No Bacterial Analysis 🗇 Yes 🖫 No
	Please enclose lab results.
	15. ARTIFICIAL FILTER (filter pack) V Yes 🗋 No
	Installed from 14 n. to 10 t. Effective size #2 MCP Uniformity Coefficient Sand
	16. WELL GROUTED? ☑ Yes ☐ No ☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other
	Depth: From
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
	Well Disinfected ☐ Yes ☑ No Type: Amount:
	18, PUMP: Date installed: Not installed [17]
	Mfr. Name: Model No
	H.P. Volts Length of drop pipe ft. Capacity gpm
	TYPE: Submersible Jet (shallow) Turbine Jet (deep) Reciprocating Centrifugal
	19. WELL DRILLER: Josh Partish CERT. NO.: 2324
	Address: (Print) Level: A B C D (circle one)
	17538 Greenhill Rd.
	charlotte NC 28278
*Indicate Water Bearing Zones	Telephone No.: 704. 607. 7529 Fax No.:
(Use a 2nd sheet if needed)	20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	אין אוויס פוויסי פוויס פוויסי
W.	
Well ID #: 135W-13	Support: 10 19 20
li di	Signed: Date: 10 19 20
6. TYPE: Mud Rotary Jetted System	
6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Spr Bored ☐ Dug ☐ Air Rotary ☐ Driven	If D Level Driller, provide supervising driller's name:
☐ Cable tool ☐ Other	



Water Well Record **Bureau of Water**

IN CILICO	zovo Buli S	ureel, Coll	JMIDIA, 3C 29201-1700, (603) 696-4300 or release.
1. WELL OWNER INFORMATION: Name: Marsh Furniture Co			7. PERMIT NUMBER:
(last)	(firs	t)	8. USE:
Address PO Box 870	Address Po Box 870		☐ Residential ☐ Public Supply ☐ Process
a. 111 h. O. 1		7761	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: High Point State No	Zip: 🕰	1241	☐ Test Weil
Telephone: Work: 334,884.7343	Home:		9. WELL DEPTH (completed) Date Started: 10 -1 - 20
	DUNTY:		14 ft. Date Completed: 10 - 1 - 20
Name: Marsh Lumber	JUN 11.		40 CASING: IV Throaded I Wolded
Street Address: 119 East 6th	Avenue		10. CASING: Threaded
		أ	Type: TV PVC Galvanized Surface
City: Pamplico, sc	Zip 2952	5.5	☐ Steel ☐ Other
Latitude: Longitude	٠.		12 in. to 0 ft. depth Drive Shoe? Yes W No
Latitude. Longitude	**		in. to ft. depth
3. PUBLIC SYSTEM NAME: PL	JBLIC SYSTE	M NUMBER:	11. SCREEN:
			Type. PVc Diam. Z"
4. ABANDONMENT: ☐ Yes ☑	No		Siot/Gauge: 0.01 5CH. 40 Length: 2' Set Between: 14 ft. and 12 ft. NOTE: MULTIPLE SCREENS
Give Details Below			
	ft. to	ft	fl. andfl. USE SECOND SHEET Sieve Analysis □ Yes (please enclose) ☑ No
филион форм. Понт	*Thickness		
Formation Description	of	Bottom of	12. STATIC WATER LEVEL ft. below land surface after 24 hours
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface.
			ft. after hrs. Pumping G.P.M.
	ļ. <u></u>		Pumping Test. 🖸 Yes (please enclose) 😿 No
			Yield:
			14. WATER QUALITY
	1 :		Chemical Analysis 🗆 Yes 🖫 No 🛮 Becterial Analysis 🗎 Yes 🖼 No
			Please enclose lab results.
			15. ARTIFICIAL FILTER (filter pack) Yes No
			Installed from 14 ft. to 10 ft. Effective size # Z MED Uniformity Coefficient Saind
			Effective size # 2 MeD Uniformity Coefficient Sound
			16. WELL GROUTED? Ves O No
		İ	□ Neat Cement □ Bentonite ☑ Bentonite/Cement □ Other
			Depth: From
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
			Туре
			Well Disinfected ☐ Yes 🗹 No Type: Amount:
			18. PUMP: Date installed: Not installed
			Mfr. Name: Model No
			H.P Volts Length of drop pipe ft. Capacity gpm
			TYPE: Submersible Jet (shallow) Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
: -			19. WELL DRILLER: . Josh Parish CERT. NO.: 2324
		<u> </u>	Address: (Print) Level: A B C D (circle one)
			17538 Greenhill Rd.
			charlotte NC 28278
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7529 Fax No.:
ű			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)		l)	my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:		Ye.	
And The to Peri-Q			
Well ID #: BSW-9		7	10/10/20
		5	Signed: Date: 10 14 20
6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored			If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driven			
☐ Cable tool ☐ Other			



12 OII IOO	(000)
1. WELLOWNER INFORMATION: Name: Marsh Furniture Company	7. PERMIT NUMBER:
(first)	o Hoe.
Address PO Box 870	8. USE:
3	☐ Residential ☐ Public Supply ☐ Process
city High Point State: NC Zip: 27261	☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement
Telephone: Work: 336,884.7343 Home:	9. WELL DEPTH (completed) Date Started: 10 - 1 - 20
2. LOCATION OF WELL: COUNTY:	15 t. Date Completed: 10-1-20
Name: Marsh Lumber	10. CASING: W Threaded Welded
Street Address: 119 East 6th Avenue	クリー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
City: Pamplico, Sc Zip: 29583	Type: ☑ PVC ☐ Galvanized Surface
· · · · · · · · · · · · · · · · · · ·	13 in. to 0 ft. depth Drive Shoe? Yes W No
Latitude: Longitude:	in. to ft. depth Drive Snoe? [] Yes [5] No
*	
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:	11. SCREEN:
ž.	Type: Diam.:
4. ABANDONMENT: Yes No	Slot/Gauge: 0.01 SCH, 40 Length 2'
	Set Between: 15 ft. and 13 ft. NOTE: MULTIPLE SCREENS
Give Details Below	,ft. USE SECOND SHEET
Grouted Depth: fromft, toft	Sieve Analysis
*Thickness Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description of Bottom of	13. PUMPING LEVEL Below Land Surface.
Stratum Stratum	ft after hrs. Bumping G.P.M.
	Pumping Test: Tyes (please enclose) (D) No
	Yield:
	14. WATER QUALITY
12	Chemical Analysis 🗌 Yes 💯No 🛮 Bacterial Analysis 🗎 Yes 😿No
	Please enclose lab results.
	15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
	Installed from 15 ft. to 11 ft.
	Effective size #2 MED Uniformity Coefficient Sand
	16. WELL GROUTED? ☑ Yes ☐ No ☐ Neat Cement ☐ Bentonite ☐ Bentonite ☐ Other
	Depth: Fromft. toft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Type
	Well Disinfected ☐ Yes 😿 No Type: Amount:
	18. PUMP: Date installed: Not installed 🗹
	Mfr. Name: Model No.:
	H.P Volts Length of drop pipe ft. Capacity gpm
i i	TYPE: Submersible Jet (shallow) Turbine
	☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
	19. WELL DRILLER: Josh Parish CERT. NO.: 2324
	Address: (Print) Level: A B C D (circle one)
	charlotte NC 28278
*Indicate Water Bearing Zones	
(1) -0-1 1-47-1-1	20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)	my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	
1 1 1 TO + 1 1261 1 - 84	
Well ID #: BSW-8A	Signed:
	Well Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driven	•
☐ Cable tool ☐ Other	



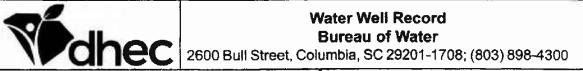
Modhec	Water Well Record Bureau of Water 2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300			Note: Personal information provided on this document is subject to public scrutiny
1. WELL OWNER INFORMATION:	2000 Bull S	ueer, Colt	7. PERMIT NUMBER:	or release.
Name: Marsh Furniture C	•		7. FERMII NOMBER;	
(last) Address: PO Box 870	(firs	1)	8. USE: Residential Public Supply	☐ Process
City: High Point State: A	rc zip: 2'	7261	_ ',,	☐ Emergency
Telephone: Work: 336,884,7 34,			9. WELL DEPTH (completed) Date Started:	□ Replacement 0 - 1 - 20
	COUNTY:		ft. Date Completed:	
Name: Marsh Lumber			I 10. CASING: Mr Threaded □ Welded □	
Street Address: 119 East 6			Diam.: Height: Above	
City: Pamplico, sc	Zip 2958	3	☐ Steel ☐ Other	
Latitude: Longitud	de "		in, toft, depth	☐ Yes 57 No
3. PUBLIC SYSTEM NAME: P	UBLIC SYSTE	NUMBER:	11. SCREEN: Type: PVC Diam.: Diam.:	2"
	/	- 25	Cidy Gauge Lellutt	
4. ABANDONMENT:	Ø No		Set Between: 14 ft. and 17 ft. NO	OTE: MULTIPLE SCREENS
Grouted Depth: from		n.	∏i —ft. andt. US Sieve Analysis ☐ Yes (please enclose) ☐ No	SE SECOND SHEET
	*Thickness		12. STATIC WATER LEVEL	low land surface after 24 hours
Formation Description	of Stratum	Bottom of Stratum	13. PUMPING LEVEL Below Land Surface.	NOW ISING SURFACE SING! 24 10015
	Stratum	Stratum	ft. after hrs. Pumping	G.P.M.
			Pumping Test: [] Yes (please enclose) (No	
			Yield:	——————————————————————————————————————
			14. WATER QUALITY Chemical Analysis ☐ Yes IDNo Bacterial Analysis	. □ Yes BVNo
			Please enclose lab results.	
			15. ARTIFICIAL FILTER (fitter pack) Yes No	
			Installed from 14 ft. to Effective size # Z MED Uniformity Coefficients	to the standard of the standar
			16. WELL GROUTED? ID Yes No	GGIII DOLLAR
			□ Neat Cement □ Bentonite □ Bentonite/Cement □] Other
			Depth. From 10 ft. to	
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION:	ft direction
			Type	Amount:
			18. PUMP: Date installed:	
			Mfr. Name: Modet No.: H.P Volts Length of drop pipe	
				π. Capacity gpm] Turbine
			☐ Jet (deep) ☐ Reciprocating ☐	Centrifugal
				NO.: 2324
	- -		17538 Greenhill Rd.	A B C D (circle one)
	li di		charlotte NC 28278	
*Indicate Water Bearing Zones			Telephone No.: 704. 607, 7529, Fax N	
(Use a 2nd sheet if needed)	,		20. WATER WELL DRILLER'S CERTIFICATION: This well was my direction and this report is true to the best of my know	
5. REMARKS:			Successive and one report to the cost of my known	nogo sino conon
Well ID #: BSW-4R				, ,
Meli Trib 4. Open 111)		Signed:	Date: 10 19 20
			Well Driller	•
6. TYPE: ☐ Mud Rotery ☐ Jette ☐ Duo ☐ Air R		Rored Driven	If D Level Driller, provide supervising driller's name:	
☐ Dug ☐ Air R ☐ Cable tool ☐ Othe		113.011		



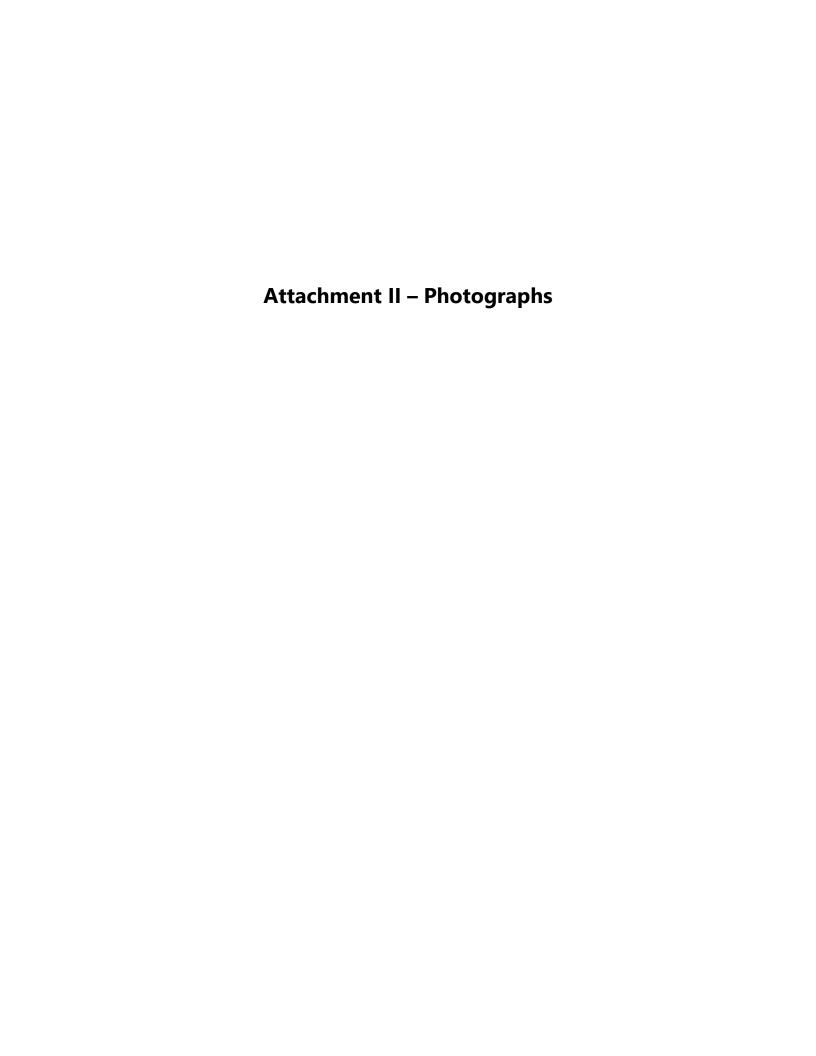
Water Well Record Bureau of Water

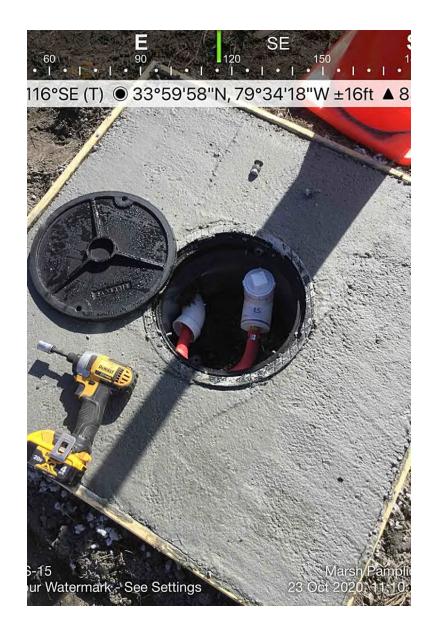
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

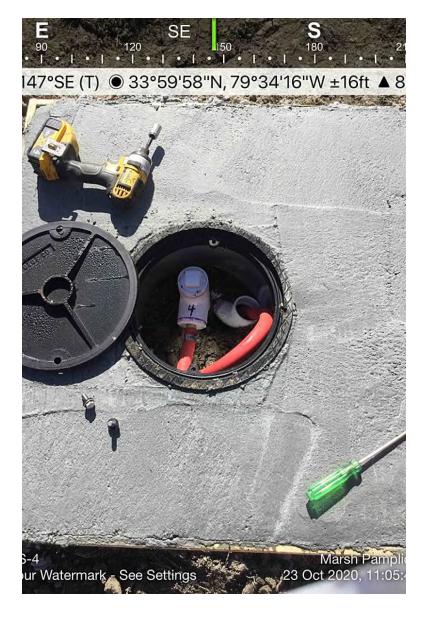
V UI ICC 2	ooo Bull Sti	eet, Con	or release.
1. WELLOWNER INFORMATION: Name: Marsh Furniture Con			7. PERMIT NUMBER:
(last)	(first)		8. USE:
Address: PO Box 870			☐ Residential ☐ Public Supply ☐ Process
City: High Point State NC	7in: 77	7.61	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City. 11131 101111 State 170	Σιρ. • 14	•	☐ Test Well
Telephone: Work: 336.884.7343	Home:		9. WELL DEPTH (completed) Date Started: 10 -1 - 20
	UNTY:		15 ft. Date Completed: 10-1-20
Name: Marsh Lumber	^ -		10. CASING: Threeded Welded Diam.: Height: Above/Below
Street Address: 119 East 6th		ļ	
City: Pamplico, SC	Zip. 29583	3	Type: W PVC [] Galvanized Surfaceft
			☐ Steel ☐ Other Weight —
Latitude: Longitude:	.e :		in, toft, depth
3. PUBLIC SYSTEM NAME: PUB	BLIC SYSTEM	NUMBER:	11. SCREEN:
,			Type Diam.:
4. ABANDONMENT: MY Yes 🗆	No.		Slot/Gauge: Length;
Give Details Below	110		Set Between:ft. andft. NOTE: MULTIPLE SCREENS
Grouted Depth: from15ft	t to 0	ft.	ft. and USE SECOND SHEET Sieve Analysis Yes (please enclose) No
		Depth to	
Formation Description		ottom of	12. STATIC WATER LEVEL ft, below land surface after 24 hours
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface.
	1		ft, afterhrs. PumpingG.P.M. Pumping Test: Yes (please enclose) No
			Yield:
	1		14. WATER QUALITY
			Chemical Analysis ☐ Yes ☑No Bacterial Analysis ☐ Yes ☑No
	1]	Please ánciose lab results.
			15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
S NOT THE AT 1980			installed fromft. toft.
	10		Effective size Uniformity Coefficient
			16. WELL GROUTED? Yes No
			□ Neat Cement □ Bentonite ☑ Bentonite/Cement □ Other
	7		Depth: From15ft; toft;
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
0.14			Туре
			Well Disinfected ☐ Yes ☑ No Type: Amount:
		-	18. PUMP: Date installed: Not installed
			Mir. Name
	-		H.P Volts Length of drop pipe ft. Capacity gpm TYPE: Submersible I shallow) Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: Josh Parish CERT. NO.: 2324
			Address; (Print) Level; A B C D (circle one)
			17538 Greenhill Rd.
			charlotte NC 28278
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7529 Fax No
/I loo o find shoot if needed)			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			
Well ID #: BSW-8			
	1		Signed: Date: Date:
			Well Driffer
6. TYPE: Mud Rotary Jetted Sy Bored			If D Level Driffer, provide supervising driller's name:
☐ Dug ☐ Air Rota	ary 🗆 Dri	ven	
☐ Cable tool ☐ Other			-16530



N GIIO			011101d; 00 20201 11 00; (000) 000 1000 0110000.
1. WELLOWNER INFORMATION: Name: Marsh furniture Co			7. PERMIT NUMBER:
(lest)	(firs	t)	8. USE:
Address: PO Box 870			☐ Residential ☐ Public Supply ☐ Process
on this Ories our abo	2	7761	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: High Point State: NC	. ZID: 2	1641	☐ Test Well ☑ Monitor Well ☐ Replacement
Telephone: Work: 334.884.7343	Home:		9. WELL DEPTH (completed) Date Started: 10-1-20
	DUNTY:		14 ft. Date Completed: 10-1-70
Name: Marsh Lumber			10. CASING: Threaded
Street Address: 119 East 6th	Avenue		Diam.: Z !! Height: Above/Below
	Zip: 2958	13	Type: 🗹 PVC 🗆 Galvanized Surfaceft
City: Pamplico, sc	() .	-	☐ Steel ☐ Other Weight lb./ft.
Latitude: Longitude	:		in. toft. depth Drive Shoe?
,2	•		in, toft, depth
3. PUBLIC SYSTEM NAME: PU	BLIC SYSTE	M NUMBER:	11. SCREEN:
,			Type: Diam.:
4. ABANDONMENT: Yes	No		Slot/Gauge: Length Set Between: ft and ft. NOTE: MULTIPLE SCREENS
Give Details Below			set Between:
Grouted Depth: from14	ft. to 0	ft_	Sieve Analysis Yes (please enclose) No
	*Thickness		12. STATIC WATER LEVEL fl. below land surface after 24 hours
Formation Description	of	Bottom of	
	Stratum	Stratum	13. PUMPING LEVEL Below Land Surface ft. after hrs. Pumping G.P.M.
	İ		Pumping Test: Yes (please enclose) No
		· · · · · · · · · · · · · · · · · · ·	Yield:
			14. WATER QUALITY
	 		Chemical Analysis Yes Woo Bacterial Analysis Yes Cono
	<u> </u>		Please enclose lab results.
	-		15. ARTIFICIAL FILTER (fitter pack) ☐ Yes ☐ No
			Installed from
			Effective size Uniformity Coefficient
			16. WELL GROUTED? Yes □ No
			□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
	N.		Depth: From
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
			Type
			Well Disinfected ☐ Yes ☑ No Type: Amount:
		75	18. PUMP: Date installed: Not installed
		302	Mfr. Name: Model No.
			H.P. Volts Length of drop pipe ft. Capacity gpm
			TYPE: Submersible Set (shallow) Turbine
	Ř		☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: Josh Parish CERT. NO.: 2324
			Address: (Print) Level: A B C D (circle one)
			17538 Greenhill Rd.
			charloffe NC 28278
*Indicate Water Bearing Zones			Telephone No.: 704. 607. 7529 Fax No.:
41 a - 0 - 4 - 4 - 4 - 4 - 4 - 4	1		20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed)			my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			
Well ID #: 135W-4))		
	E		Signed
	I E		Well Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted			If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rotary ☐ Driven			
☐ Cable tool ☐ Other			







BSW-15 (NEW)

BSW-4 (Existing)





BSW-5 (EXISTING)

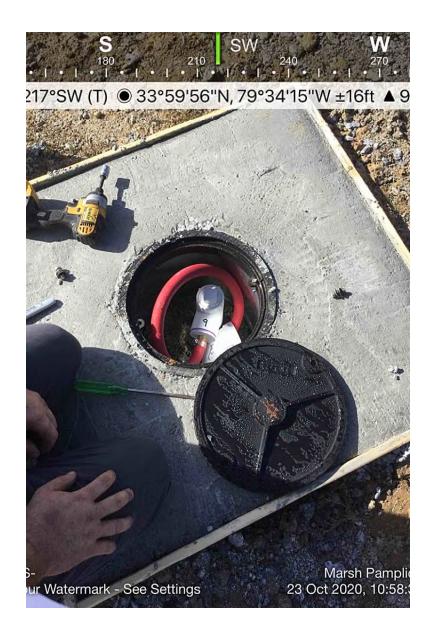
BSW-6 (EXISTING)

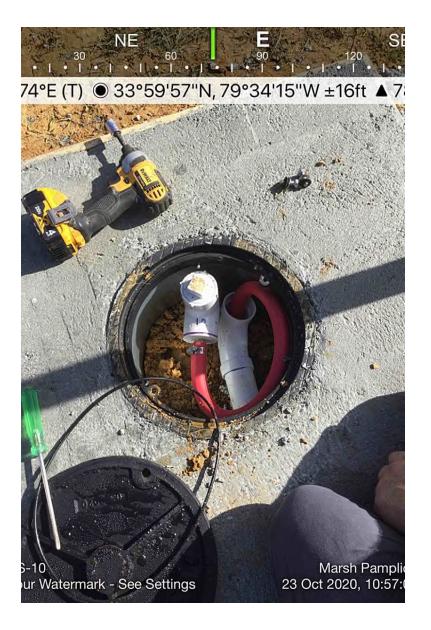




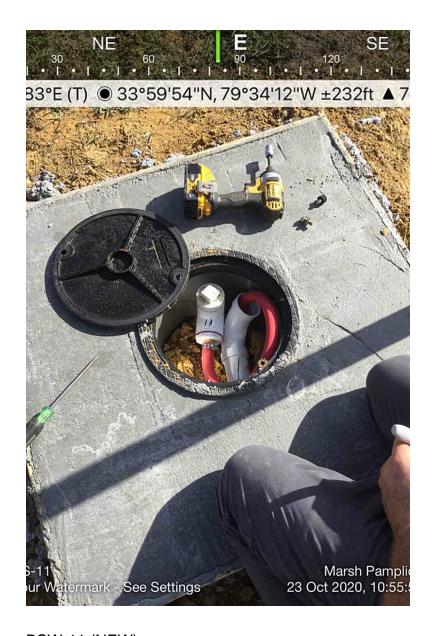
BSW-7 (EXISTING)

BSW-8 (EXISTING)





BSW-9 (NEW) BSW-10 (NEW)





BSW-11 (NEW)

BSW-12 (NEW)





BSW-13 (NEW)

BSW-14 (NEW)

Attachment III – Laboratory Analytical Report, Groundwater Sampling Field Data Sheets, Table 1, Table 2, and Figure 1

Table 1
Groundwater Elevation Data - September 29, 2020
Marsh Lumber Company
Pamplico, South Carolina
S&ME Project No. 1584-98-146C



Well	Total	Well	Screen	Interval	Top of Casing	Depth to	Groundwater
ID	Depth	Diameter			Elevation ₁	Groundwater	Elevation
			(6.	11.5		9/29/2020	9/29/2020
	(feet bls.)	(inches)		bls.)	(mean sea level)	(feet below TOC)	(mean sea level)
MW-1	15.3	2	5.3	15.3	85.55	Not Measured	Not Measured
MW-3A	15.0	2	5.0	15	88.59	9.36	79.23
MW-9	18.0	2	8.0	18	83.50	6.69	76.81
MW-10	15.0	2	5.0	15	83.30	7.33	75.97
MW-11	15.0	2	5.0	15	85.61	5.96	79.65
MW-13A	22.0	2	7.0	22	83.52	5.64	77.88
MW-14A	16.0	2	6.0	16	81.11	3.17	77.94
MW-15	15.0	2	5.0	15	82.32	8.64	73.68
MW-16	16.0	2	6.0	16	83.65	7.92	75.73
MW-17A	15.9	2	5.9	15.9	82.37	9.23	73.14
MW-18A	15.2	2	13.2	15.2	80.27	6.52	73.75
MW-18B	6.7	2	4.7	6.7	80.17	5.95	74.22
MW-19	17.6	2	7.4	17.4	79.56	5.67	73.89
MW-20	13.9	2	3.9	13.9	80.59	6.56	74.03
MW-21	15.8	2	5.8	15.8	84.04	4.76	79.28
MW-22	17.1	2	7.1	17.1	81.74	4.60	77.14
MW-23	11.8	2	6.8	11.8	81.37	6.87	74.50
MW-24	14.0	2	4.0	14.0	81.23	5.03	76.20
MW-25	14.6	1	4.5	14.5	80.49	3.72	76.77
MW-26	14.3	1	9.2	14.2	81.21	4.86	76.35
MW-27	17.1	1	7.0	17.0	82.20	4.88	77.32
MW-28	17.1	1	7.0	17.0	83.03	4.42	78.61
MW-29	20.1	1	10.0	20.0	82.90	4.99	77.91
MW-30	19.4	1	9.3	19.3	81.58	3.62	77.96
MW-31	15	2	5.0	10.0	78.64	4.99	73.65
MW-32	15	2	5.0	10.0	81.83	4.88	76.95
MW-33	17	2	7.0	10.0	84.33	5.27	79.06
MW-34	17	2	7.0	10.0	83.57	3.83	79.74
BSW-2	20.0	2	10.0	20.0	no data	Not Measured	Not Measured
BSW-3	16.9	2	15.0	16.8	no data	Not Measured	Not Measured
BSW-4	14.0	2	12.0	14.0	no data	Not Measured	Not Measured
BSW-5	14.0	2	12.0	14.0	no data	Not Measured	Not Measured
BSW-6	15.0	2	13.0	15.0	no data	Not Measured	Not Measured
BSW-7	14.0	2	12.0	14.0	no data	Not Measured	Not Measured
BSW-8	15.0	2	13.0	15.0	no data	Not Measured	Not Measured
BSW-9	14.0	2	12.0	14.0	no data	Not Measured	Not Measured
BSW-10	18.0	2	16.0	18.0	no data	Not Measured	Not Measured
BSW-11	17.0	2	15.0	17.0	no data	Not Measured	Not Measured
BSW-12	16.0	2	14.0	16.0	no data	Not Measured	Not Measured
BSW-13	14.0	2	12.0	14.0	no data	Not Measured	Not Measured
BSW-14	15.0	2	13.0	15.0	no data	Not Measured	Not Measured
BSW-15	15.0	2	13.0	15.0	no data	Not Measured	Not Measured

Top of Casing Elevations₁ = Based data provided by Nesbitt Surveying Company, Inc. on 10/27/2016

feet bls. = feet below land surface

feet below TOC = feet below top of well casing

Riser* = relative to top of casing

Table 2 Groundwater Data Summary Marsh Lumber Company Pamplico, South Carolina S&ME Project No. 1584-98-146C



Sample ID	Position	Distance To	Date																
	Relative to		Sample		Method 8	270 (BNA)		Method 8151	Gei	neral Chemi	stry				Field Pa	rameters			
	Bio-Sparge	Well	Collected	Pentachlo	orophenol	2,3,4,6 Tetra	chlorophenol	PCP	Alkalinity	Chloride	TOC	DTGW	GWE	Temp	pН	Cond.	D.O.	ORP	Turbidity
	Well(s)	(Feet)		Result	MDL	Result	MDL	Result											
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(μg/L)	(mg/L)	(mg/L)	(mg/L)	(feet)	(feet)	(Celsius)	(s.u)	(µs/cm³)	(mg/L)	(millivolts)	(NTU)
MW-3A	Up-Gradient	192	3/13/2018	<50	3.5	not detected	**	not requested	9.2	4.1	2.3	11.37	77.22	16.2	5.0	122	0.9	228	20.8
	of Current		2/18/2019	<24.8	3.5	<9.9	2.9	not requested	not requested	not requested	not requested	11.35	77.24	18.3	5.4	130	0.5	243	48.3
	Pilot Test		7/22/2019	not requested	not requested	not requested	not requested	0.15 J	not requested	not requested	not requested	11.69	76.90	25.6	4.9	146	0.4	264	7.21
			3/3/2020	not requested	not requested	not requested	not requested	<0.51	not requested	not requested	not requested	9.52	79.07	16.8	5.6	114	3.4	218	29.5
		E 2 Sample	3/3/2020	not requested	not requested	not requested	not requested	<0.52	not requested	not requested	not requested	0.01	75.00	05.5		540	2.2	100	110
MW-9	Up-Gradient		10/30/2019	<24.5	3.5	not requested	not requested	1.8	not requested	not requested	not requested	8.21	75.29	25.5	6.6	510	0.2	122	14.9
MW-11	Up-Gradient		10/30/2019	<24.0	3.4	not requested	not requested	< 0.54	not requested	not requested	not requested	9.95	75.66	23.8	5.2	100	0.9	277	19.0
			3/2/2020	not requested	not requested	not requested	not requested	<0.51	not requested	not requested	not requested	5.49	80.12	data lost	data lost	data lost	data lost	data lost	data lost
MW-16	Cross-Gradient	122	3/13/2018	<51	3.6	not detected	**	not requested	66.3	15.7	2.9	8.26	75.39	16.1	5.6	216	0.4	201	12.6
			2/19/2019	<25.0	3.5	<10.0	2.9	not requested	not requested	not requested	not requested	8.22	75.43	14.9	6.6	353	1.1	292	55.2
			7/22/2019	not requested	not requested	not requested	not requested	0.80	not requested	not requested	not requested	7.45	76.20 76.20	16.0	C 4	251	1 -	100	10.2
NAVA 10D		170	3/2/2020	not requested	not requested	not requested	not requested	0.54	not requested	not requested	not requested	7.45		16.9	6.4	351	1.5	190	10.3
MW-18B	Down-gradient	170	3/13/2018 2/19/2019	<51 <25.0	3.6 3.5	not detected < 10.0	2.9	not requested < 0.50	382	11.9	1.4	7.07 6.73	73.10 73.44	15.3 13.2	6.7 7.1	616 704	0.8 1.4	34	0.3 8.7
			3/2/2020					<0.53	not requested	not requested	not requested	5.36	74.81	17.0	6.9	704	0.9	-5	7.0
MW-19	Cross-Gradient	202	3/13/2018	not requested	not requested 3.6	not requested not detected	not requested		not requested	not requested 25.2	not requested 7.5	5.89	73.67	16.5	6.2	586	0.3	6	7.6
10100-19	Cross-Gradient	202	2/19/2019	<25.0	3.5	< 10.0	2.9	not requested < 0.49	not requested	not requested	not requested	5.46	74.10	16.2	6.5	750	0.2	-61	19.4
			3/2/2020	not requested	not requested	not requested	not requested	<0.51	not requested	not requested	not requested	4.85	74.70	18.5	6.4	731	0.3	-38	4.3
MW-20	Down-gradient	112	3/13/2018	<49	3.5	not detected	**	not requested	201	10.6	< 1.0	7.17	73.42	16.7	7.0	335	0.2	-64	0.3
11111 20	of BSW-4	''-	9/19/2018	<27.2	3.8	<10.9	3.2	not requested	223	10.2	<1.0	6.63	73.42	24.1	7.0	432	0.2	-78	3.6
			2/20/2019	<25.0	3.5	<10.0	2.9	not requested	not requested	not requested	not requested	6.87	73.72	14.5	7.3	377	0.2	-98	7.4
			7/24/2019	<25.0	3.5	<10.0	2.9	< 0.54	not requested	not requested	not requested	7.85	72.74	24.1	6.6	474	0.1	-83	2.7
			3/2/2020	not requested	not requested	not requested	not requested	<0.52	not requested	not requested	not requested	6.05	74.54	17.5	7.3	404	0.2	-20	8.0
MW-10	Down	31	9/14/2016	< 50	4.6	not requested	not requested	not requested	302	12.0	1.9	6.77	76.53	25.2	6.7	546	0.0	-8	8.8
	Gradient		12/8/2016	< 50	4.6	not requested	not requested	not requested	235	18.2	1.9	8.22	75.08	19.9	6.4	664	1.6	15	8.2
	of BSW-4		2/21/2017	16.0 J	4.6	<10	2.3	not requested	207	19.8	4.0	8.47	74.83	17.4	6.2	57	2.1	107	7.7
			5/24/2017	<25.0	2.4	<10	2.3	not requested	193	19.8	3.8	8.70	74.60	21.8	6.4	446	0.2	-149	6.3
			8/30/2017	< 50	3.5	not requested	not requested	not requested	141	20.4	3.1	8.84	74.46	24.0	6.5	460	1.2	77	2.9
			3/14/2018	<52.1	3.7	not detected	**	not requested	114	18.3	3.4	8.35	74.95	15.8	5.5	390	0.4	130	6.8
			6/26/2018	30.4	3.5	<9.8	2.9	not requested	115	17.3	4.4	9.34	73.96	23.1	5.9	390	0.3	162	17.1
			9/19/2018	<25.5	3.6	<10.2	3.0	not requested	142	14.9	9.3	7.45	74.95	24.0	6.1	375	0.4	76	6.5
			2/19/2019	<25.0	3.5	<10.0	2.9	not requested	not requested	not requested	not requested	8.07	75.23	14.8	6.3	313	0.1	113	4.0
			7/23/2019	<25.0	3.5	<10.0	2.9	59	96	11.6	3.8	9.25	74.05	24.2	5.7	235	0.2	98	4.3
			10/29/2019	<24.0	3.4	not requested	not requested	35	not requested	not requested	not requested	9.94	73.36	23.1	5.9	206	0.4	105	7.0
			3/2/2020	not requested	not requested	not requested	not requested	22	not requested	not requested	not requested	6.84	76.46	17.3	6.2	317	0.4	60	4.1
			9/29/2020	not requested	not requested	not requested	not requested	60	not requested	not requested	not requested	7.33	75.97	25.3	5.7	255	0.2	75	2.6
		<u> </u>	SL - Tapwater	0.041	not requested	240	not requested	0.041	NA NA	NA NA	NA NA	NA	NA	NA	NA	NA	NA	NA	NA
	Maximum	n Contaminan		1		no standard		1	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	IVIAAIIIIUII	Contamilian	t Level (IVICL)			no standard			IVA	IVA	IVA	INA	IVA	INA	INA	IVA	IVA	IVA	IVA

J =concentration shown is estimated

Yellow shaded cell indicates detected concentration is greater than the corresponding MCL

Table 2 Groundwater Data Summary Marsh Lumber Company Pamplico, South Carolina S&ME Project No. 1584-98-146C



Sample ID		Distance To Bio-sparge	Date Sample		Method 8	270 (BNA)		Method 8151	Ger	neral Chemi	stry				Field Pa	rameters			
	Bio-Sparge	Well	Collected	Pentachlo	prophenol	2,3,4,6 Tetra	chlorophenol	PCP	Alkalinity	Chloride	TOC	DTGW	GWE	Temp	pН	Cond.	D.O.	ORP	Turbidity
	Well	(Feet)		Result	MDL	Result	MDL	Result											
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(feet)	(feet)	(Celsius)	(s.u)	(µs/cm³)	(mg/L)	(millivolts)	(NTU)
MW-14	Down	15	9/14/2016	214	4.6	not requested	not requested	not requested	35.7	8.4	4.7	5.51	75.6	26.5	5.1	13	0.0	77	4.9
"	Gradient		12/13/2016	<250	23.2	not requested	not requested	not requested	<5.0	12.6	9.6	5.97	75.14	17.6	5.0	142	6.7	225	489
II .	of BSW-3		2/21/2017	<250	23.2	<100	22.6	not requested	3.2 J	16.3	12.7	7.05	74.06	41.4	5.8	81	2.4	272	228
MW-14A			6/7/2017	122	4.6	<10.0	22.6	not requested	6.0	7.4	1.9	5.19	75.92	21.4	5.5	74	6.2	40	3.3
"			8/30/2017	<50	3.5	not requested	not requested	not requested	9.2	8.4	1.4	5.88	75.23	24.9	6.0	83	6.7	103	2.0
"			3/14/2018	<50	3.5	not detected	**	not requested	<5.0	8.5	1.5	4.55	76.56	15.6	5.5	65	8.6	381	7.6
"			6/26/2018	<24.5	3.5	<9.8	2.9	not requested	< 5.0	9.2	1.4	5.52	75.59	23.4	5.0	79	5.9	194	16.0
"			9/21/2018	<26.6	3.7	<10.6	3.1	not requested	5.3	8.8	2.5	4.21	76.56	23.2	5.3	90	6.6	233	12.1
			2/20/2019	<25.0	3.5	<10.0	2.9	< 0.51	26.2	8.9	2.5	4.59	76.52	13.4	6.2	111	8.3	337	8.9
			7/23/2019	<25.0	3.5	<10.0	2.9	<0.53	14.2	9.5	2.5	5.13	75.98	24.4	5.7	104	6.4	309	5.0
			3/2/2020	not requested	not requested	not requested	not requested	<0.52	not requested	not requested	not requested	3.44	77.67	data lost	data lost	data lost	data lost	data lost	data lost
MW-15	Down	70	9/14/2016	<50	4.6	not requested	not requested	not requested	346	25.2	9.1	8.34	73.98	26.0	6.1	663	0.3	-64	14.9
	Gradient		12/8/2016	<50	4.6	not requested	not requested	not requested	322	24.1	10.4	8.64	73.68	18.5	6.2	843	4.5	-65	6.1
	of BSW-5		2/21/2017	<25	2.3	<10	2.3	not requested	312	23.8	7.3	9.34	72.98	16.5	6.6	627	0.0	-16	5.5
			5/23/2017	<31.2	2.9	<12.5	1.2	not requested	306	21.4	6.4	9.14	73.18	20.6	6.3	612	0.2	-46	10.2
			8/30/2017	<50	3.5	not requested	not requested	not requested	318	20.6	8.6	9.31	73.01	25.5	6.5	658	0.7	-32	4.4
			3/13/2018	<52.1	3.7	not detected	**	not requested	352	18.1	7.4	8.37	73.59	16.7	6.1	570	0.2	-24	8.6
			9/19/2018	<24.8	3.5	<9.9	2.9	not requested	331	15.7	12.1	8.91	73.59	25.6	6.2	680	0.2	-52	9.6
			2/20/2019	<25.0	3.5	<10.0	2.9	<0.48	not requested	not requested	not requested	8.89	73.43	13.6	6.4	713	0.2	-40	10.4
			7/22/2019	46.6	3.5	<10.0	2.9	<0.51	not requested	not requested	not requested	9.41	72.91	25.3	6.0	717	0.1	-47	5.0
			10/29/2019	<24.5	3.5	not requested	not requested	< 0.53	not requested	not requested	not requested	10.38	71.94	23.3	6.2	741	2.4	-39	8.3
			10/29/2019	<24.8	3.5	not requested	not requested	< 0.49	not requested	not requested	not requested	duplicate	duplicate	duplicate	duplicate	duplicate	duplicate	duplicate	duplicate
			3/2/2020	not requested	not requested	not requested	not requested	<0.51	not requested	not requested	not requested	7.87	74.45	data lost	data lost	data lost	data lost	data lost	data lost
		RS	SL - Tapwater	0.041		240		0.041	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Maximum	n Contaminan	t Level (MCL)	1		no standard		1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

J =concentration shown is estimated

Yellow shaded cell indicates detected concentration is greater than the corresponding MCL

Biosparge Pilot Test #2 began 2009 at BSW-3 only, near MW-14A

Table 2 Groundwater Data Summary Marsh Lumber Company Pamplico, South Carolina S&ME Project No. 1584-98-146C



Sample ID		Distance To	Date Sample		Method 8	270 (BNA)		Method 8151	Ger	neral Chemi	strv				Field Pa	rameters			
	Relative to	Well	Collected	Pentachlo	prophenol	2,3,4,6 Tetra	chlorophenol	PCP	Alkalinity .	Chloride	TOC	DTGW	GWE	Temp	рH	Cond.	D.O.	ORP	Turbidity
	Bio-Sparge Well	(Feet)	Collected	Result	MDL	Result	MDL	Result	7 incumincy	Cilionac		5.0		remp	p	cona.	5.0.	O.u.	ransiancy
	Well	(i eet)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(feet)	(feet)	(Celsius)	(s.u)	(µs/cm³)	(mg/L)	(millivolts)	(NTU)
MW-21	Up	76	9/15/2016	16.5 J	4.6	not requested	not requested	not requested	26.7	8.9	2.1	7.94	76.1	28.8	5.5	161	0.0	189	19.0
	Gradient		12/14/2016	< 50	4.6	not requested	not requested	not requested	18.3	9.1	1.0	6.10	77.94	19.5	5.4	148	2.1	146	0.2
	of BSW-3		2/21/2017	6.5 J	2.3	not requested	not requested	not requested	15.9	9.1	1.5	7.66	76.38	17.3	5.8	102	0.1	214	4.0
			5/24/2017	<31.2	2.9	<12.5	1.2	not requested	8.4	9.0	1.8	7.67	76.37	21.2	5.0	79	0.3	109	7.2
			8/30/2017	< 50	3.5	not requested	not requested	not requested	8.9	9.1	1.5	8.11	75.93	25.7	5.3	85	0.8	117	4.3
			3/14/2018	<52.1	3.7	not detected	**	not requested	7.1	7.9	1.8	7.13	76.91	16.1	4.7	92	1.3	212	8.0
			2/21/2019	<24.8	3.5	<9.9	2.9	not requested	58.5	7.3	4.1	7.20	76.84	16.5	6.1	148	0.6	255	26.3
			7/24/2019	<25.0	3.5	<10.0	2.9	0.15 J	not requested	not requested	not requested	7.70	76.34	23.9	6.0	162	0.2	177	34.6
			3/2/2020	not requested	not requested	not requested	not requested	< 0.50	not requested	not requested	not requested	5.71	78.33	data lost	data lost	data lost	data lost	data lost	data lost
			9/30/2020	not requested	not requested	not requested	not requested	< 0.49	not requested	not requested	not requested	4.76	79.28	24.7	6.8	292.2	2.9	125.2	9.9
MW-22	Cross	32	9/15/2016	< 50	4.6	not requested	not requested	not requested	178	5.7	<1.0	5.79	75.95	29.0	6.5	308	0.0	-56	13.0
	Gradient		12/8/2016	294	4.6	not requested	not requested	not requested	153	8.5	<1.0	5.56	76.18	18.4	6.5	369	1.8	33	1.5
	of BSW-8		2/21/2017	472	11.6	5.3 J	2.3	not requested	93.9	9.8	1.2	5.87	75.87	18.5	6.0	144	0.0	198	2.5
			5/24/2017	358	125	<10	1.2	not requested	31.3	10.6	1.7	6.21	75.53	20.8	5.4	120	0.2	-165	2.6
			8/30/2017	339	7.0	not requested	not requested	not requested	27.3	11.4	1.6	6.39	75.35	24.3	5.6	121	1.0	132	1.7
			3/14/2018	271	3.4	not detected	**	not requested	31.4	10	2.1	5.73	76.01	14.0	5.1	116	0.2	256	0.0
			6/26/2018	150	17.3	<9.8	2.9	not requested	29.8	9.6	1.2	6.84	74.90	24.3	4.8	131	0.2	161	0.6
			9/20/2018	186	18.0	<10.2	3.0	not requested	27.8	8.8	3.5	4.76	76.09	24.6	5.2	123	0.2	201	1.6
			2/18/2019	128	3.5	<9.8	2.9	83	47.8	7.3	1.7	5.67	76.07	16.5	5.5	131	0.3	190	0.1
			7/24/2019	83.8	3.5	<10.0	2.9	130	24.4	8.8	2.3	6.85	74.89	25.4	5.2	113	0.2	218	1.0
			3/2/2020	not requested	not requested	not requested	not requested	65	not requested	not requested	not requested	4.42	77.32	17.4	5.6	132	1.3	187	2.4
	DUPLICATE	E 1 sample	3/2/2020	not requested	not requested	not requested	not requested	73	not requested	not requested	not requested								
			9/29/2020	not requested	not requested	not requested	not requested	77	not requested	not requested	not requested	4.6	77.14	25.9	5.3	119.7	0.9	163.7	0.0
MW-23	Down	70	9/15/2016	<50	4.6	not requested	not requested	not requested	297	7.1	11.8	7.57	73.80	27.0	6.2	558	0.0	-36	11.9
	Gradient		12/13/2016	<50	4.6	not requested	not requested	not requested	403	11.0	14.4	7.20	74.17	17.4	6.4	934	2.5	-74	1.0
	of BSW-6		2/21/2017	<25	2.3	<10	2.3	not requested	368	14.4	12.2	7.62	73.75	15.8	6.9	686	0.0	-43	7.1
			5/23/2017	<31.2	2.9	<12.5	1.2	not requested	400	14.6	13	7.79	73.58	20.7	6.4	807	0.2	-55	1.1
			8/30/2017	<50	3.5	not requested	not requested	not requested	404	15.8	12.1	8.03	73.34	25.6	6.7	799	0.6	-59	3.2
			3/14/2018	<52.1	3.7	not detected	**	not requested	640	17.4	15	7.30	74.07	14.8	6.4	969	0.1	-64	4.1
			9/21/2018	<25.0	3.5	<10.0	2.9	not requested	454	18.6	15.5	7.79	74.07	23.9	6.6	873	0.2	-93	2.3
			2/18/2019	<24.5	3.5	<9.8	3.5	<0.50	680	21.9	3.9	7.39	73.98	16.6	6.6	1,148	0.3	-87	24.7
			7/25/2019	<25.0	3.5	<10.0	2.9	<0.54	not requested	not requested	not requested	8.09	73.28	25.3	6.4	1,216	0.1	-88	3.8
			3/2/2020	not requested	not requested	not requested	not requested	<0.51	not requested	not requested	not requested	6.09	75.28	data lost	data lost	data lost	data lost	data lost	data lost
			L - Tapwater	0.041		240		0.041	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Maximum	Contaminant	t Level (MCL)	1		no standard		1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Expanded Biosparge Pilot Test #2 startup on May 29, 2018

J =concentration shown is estimated

Bold value indicates a detection above the method reporting detection limit (MDL)

Yellow shaded cell indicates detected concentration is greater than the corresponding MCL

QA/QC samples: "Duplicate" collected on 9/15/2016 at MW-21, "Dup-1" collected on 12/13/2016 at MW-23, and "Duplicate" collected on 2/21/2017 at MW-14

Table 2 Groundwater Data Summary Marsh Lumber Company Pamplico, South Carolina S&ME Project No. 1584-98-146C



Sample ID	Position Relative to	Distance To	Date Sample		Method 8	270 (BNA)		Method 8151	Ger	neral Chemi	strv				Field Pa	rameters			
	Bio-Sparge	Well	Collected	Pentachlo	prophenol	2,3,4,6 Tetra	chlorophenol	PCP	Alkalinity	Chloride	TOC	DTGW	GWE	Temp	На	Cond.	D.O.	ORP	Turbidity
	Well	(Feet)	Conceteu	Result	MDL	Result	MDL	Result											
		(1 001)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(feet)	(feet)	(Celsius)	(s.u)	(µs/cm³)	(mg/L)	(millivolts)	(NTU)
MW-13A	Up	82	11/3/2017	<25	3.5	not requested	not requested	not requested	not requested	not requested	not requested	8.35	75.17	28.5	7.2	779	0.7	-150	3.5
	Gradient		3/13/2018	<50	3.5	not detected	**	not requested	267	40.6	1.8	6.90	76.62	15.3	7.0	780	0.5	-57	121.0
	of BSW-6		9/20/2018	<25.0	3.5	<10.0	2.9	not requested	323	92.1	9.6	6.19	76.62	25.2	6.8	719	0.1	-105	36.6
			2/21/2019	<24.5	3.5	<9.8	2.9	not requested	286	48.1	1.2	6.75	76.77	19.8	7.0	774	0.1	-103	23.9
			7/25/2019	<25.0	3.5	<10.0	2.9	< 0.54	not requested	not requested	not requested	7.75	75.77	25.1	6.8	618	0.1	-99	3.4
			3/2/2020	not requested	not requested	not requested	not requested	< 0.51	not requested	not requested	not requested	5.61	77.91	17.5	7.0	745	0.2	-93	15.0
	DUPLICATE	3 samples	3/2/2020	not requested	not requested	not requested	not requested	<0.51	not requested	not requested	not requested								
MW-24	Cross	28	5/24/2017	<31.2	31.2	<12.5	1.2	not requested	1390	16.6	38.4	5.89	75.34	22.8	6.8	2,335	0.2	-176	21.5
	Gradient		8/30/2017	<50	3.5	not requested	not requested	not requested	1300	16.4	38.0	6.53	74.70	24.5	7.0	2,113	0.5	-93	7.8
	of BSW-7		3/14/2018	<50	3.5	not detected	**	not requested	1480	15.3	36.1	5.56	75.67	15.4	6.7	2,088	0.1	-134	2.6
			6/27/2018	<24.5	3.5	<9.8	2.9	not requested	1550	16.1	43.3	6.44	74.79	23.5	6.7	2,567	0.2	-133	11.4
			9/21/2018	<24.5	3.5	<9.8	2.9	not requested	1020	16.4	40.9	6.48	75.67	25.4	6.9	1,753	0.1	-144	12.8
			2/18/2019	<24.5	3.5	<9.8	2.9	< 0.54	1310	16.2	37.2	5.58	75.65	15.8	7.0	2,037	0.4	-155	38.7
			7/25/2019	<25.0	3.5	<10.0	2.9	< 0.55	1380	22.0	39.0	6.04	75.19	25.3	6.8	208	0.1	-145	8.1
			3/2/2020	not requested	not requested	not requested	not requested	<0.51 <0.50	1380	22.0	39.0	4.25 5.03	76.98 76.20	data lost	data lost	data lost 2003.0	data lost	data lost -153.9	data lost
1 01/ 05		25	9/29/2020	not requested	not requested	not requested	not requested		not requested	not requested	not requested			24.4	6.9		1.6		3.9
MW-25	Up	25	11/2/2017	151 114	3.5	not requested	not requested **	not requested	not requested	not requested	not requested	6.30 5.02	74.19 75.47	29.3 14.9	6.4 5.3	57 287	0.5	-19	112.0 21.0
	Gradient of BSW-6		3/14/2018		3.7	not detected		not requested	121	10 9.2	42		74.60	24.6	5.5	309	0.3	43	7.6
	OT BSVV-6		6/26/2018 9/20/2018	72.5 55.8	3.5 3.5	<9.8 <9.8	2.9 2.9	not requested	117 106	9.2	4.1 4.2	5.89 5.02	75.47	24.6	5.5	280	0.3	-2 6	8.2
		ŀ	2/20/2019	47.4	3.5	<10.0	2.9	not requested	84.7	9.2	3.6	5.02	75.48	13.5	6.0	208	0.2	31	12.0
		ŀ	7/23/2019	40.2	3.5	<10.0	2.9	not requested 42	89.2	9.2	5.0	5.52	74.97	27.0	5.7	251	0.2	2	9.2
			3/2/2020	not requested	not requested	not requested	not requested	81	89.2	9.0	5.0	3.89	76.60	18.1	6.1	230	0.2	36	12.0
			9/30/2020	not requested	not requested	not requested	not requested	130	not requested	not requested	not requested	3.62	76.87	23.6	5.9	192	0.2	39.9	8.4
MW-26	Cross	18	11/2/2017	<25	3.5	not requested	not requested	not requested	not requested	not requested	not requested	7.08	74.13	28.4	6.4	285	0.6	17	6.9
	Gradient		3/14/2018	<55.6	3.9	not detected	**	not requested	170	11.2	2.3	5.75	75.46	16.3	5.8	345	0.2	-27	241
	of BSW-6		6/27/2018	<24.5	3.5	<9.8	2.9	not requested	174	10.6	1.5	6.54	74.67	22.0	5.8	369	0.1	4	14
		İ	9/20/2018	<25.0	3.5	<10.0	2.9	not requested	151	10.2	1.6	5.84	75.46	23.9	6	325	0.2	-4	13.4
			2/21/2019	<24.5	3.5	<9.8	2.9	not requested	166	11.2	1.5	5.7	75.51	15.5	6.4	319	0.3	35	19
			7/23/2019	<25.0	3.5	<10.0	2.9	< 0.55	127	11.8	2.4	6.18	75.03	24.1	5.9	278	0.1	1	8.7
			3/2/2020	not requested	not requested	not requested	not requested	< 0.52	127	11.8	2.4	4.55	76.66	18.9	6.3	308	0.4	-16	12.9
			9/30/2020	not requested	not requested	not requested	not requested	0.25 J	not requested	not requested	not requested	4.86	76.35	23.1	6.32	304.5	1.2	-12.7	9.2
		RS	L - Tapwater	0.041		240		0.041	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Maximum	Contaminant	t Level (MCL)	1		no standard		1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

J =concentration shown is estimated

Yellow shaded cell indicates detected concentration is greater than the corresponding MCL

** not detected as a Tentatively Identified Compound (TIC) by the analytical laboratory

Expanded Biosparge Pilot Test #2 startup on May 29, 2018

Table 2 Groundwater Data Summary Marsh Lumber Company Pamplico, South Carolina S&ME Project No. 1584-98-146C



Sample ID	Position	Distance To	Date																
	Relative to	Bio-sparge	Sample		Method 8	270 (BNA)		Method 8151	Ger	eral Chemi	stry				Field Pa	rameters			
	Bio-Sparge	Well	Collected	Pentachlo	orophenol	2,3,4,6 Tetra	chlorophenol	PCP	Alkalinity	Chloride	TOC	DTGW	GWE	Temp	pН	Cond.	D.O.	ORP	Turbidity
	Well	(Feet)		Result	MDL	Result	MDL	Result											
				(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(feet)	(feet)	(Celsius)	(s.u)	(µs/cm³)	(mg/L)	(millivolts)	(NTU)
MW-27	Up	25	11/2/2017	323	3.5	not requested	not requested	not requested	not requested	not requested	not requested	7.60	74.57	26.4	6.0	181	1.1	-24	2.2
	Gradient		3/14/2018	<56.8	4.0	not detected	**	not requested	35	8.7	1.8	6.29	75.91	17.5	5.1	140	0.4	81	10.6
	of BSW-5		6/26/2018	<24.5	3.5	<9.8	2.9	not requested	32.9	7.6	1.5	7.07	75.13	22.1	5.1	140	0.4	20	6.7
			9/19/2018	<25.5	3.6	<10.2	3.0	not requested	22.4	6.9	1.7	5.49	75.91	24.6	5.2	116	0.6	-9	8.8
			2/20/2019	<25.0	3.5	<10.0	2.9	2.0	24.9	7.6	1.9	6.16	76.04	14.2	5.5	107	0.5	144	8.9
			7/24/2019	<25.0	3.5	<10.0	2.9	2.5	12.0	8.3	2.1	6.65	75.55	24.2	4.8	103	0.3	150	5.1
			3/2/2020	not requested	not requested	not requested	not requested	55	12.0	8.3	2.1	5.12	77.08	data lost	data lost	data lost	data lost	data lost	data lost
			9/30/2020	not requested	not requested	not requested	not requested	120	not requested	not requested	not requested	4.88	77.32	23.8	5.2	104.9	0.3	142.9	3.7
MW-28	Up	30	11/3/2017	351	3.5	not requested	not requested	not requested	not requested	not requested	not requested	7.95	75.03	23.9	5.7	153	1.1	-50	0.3
	Gradient		3/14/2018	262	3.5	not detected	**	not requested	13.8	8.1	1.5	6.31	76.72	14.3	5.0	95	0.4	246	0.3
	of BSW-3		6/27/2018	128	6.9	<9.8	2.9	not requested	12.6	7.9	1.5	7.39	75.64	22.5	4.2	110	0.3	131	3.4
			9/20/2018	252	18.7	<10.6	3.1	not requested	13.7	7.6	1.7	5.29	76.72	25.5	4.9	116	0.3	220	5.5
			2/21/2019	151	17.3	<9.8	2.9	not requested	15.5	8.4	2.1	6.46	76.57	15.7	5.2	109	0.4	203	5.0
			7/24/2019	371	17.6	<10.0	2.9	310	6.8	8.9	2.3	6.91	76.12	24.6	4.7	100	0.2	303	1.1
			3/2/2020	not requested	not requested	not requested	not requested	220	6.8	8.9	2.3	5.16	77.87	18.2	5.3	114	0.4	72	6.2
			9/30/2020	not requested	not requested	not requested	not requested	260	not requested	not requested	not requested	4.42	78.61	24.3	4.9	97.2	0.4	214.7	0.2
MW-29	Up	90	11/3/2017	51.7	3.5	not requested	not requested	not requested	not requested	not requested	not requested	7.76	75.15	27.1	7.0	487	0.5	-141	4.6
	Gradient		3/14/2018	<51	3.6	not detected	**	not requested	220	6.1	1.4	6.23	76.67	17.3	6.5	383	0.1	55	6.3
			9/20/2018	41.4	3.5	<10.0	2.9	not requested	228	5.6	1.4	5.29	76.67	24.0	6.5	435	0.2	134	13.8
			2/21/2019	<24.5	3.5	<9.8	2.9	not requested	160	5.8	1.4	6.11	76.79	19.5	6.5	309	0.2	142	15.6
			7/22/2019	<25.0	3.5	<10.0	2.9	29	not requested	not requested	not requested	7.24	75.66	24.5	6.2	350	0.2	140	8.2
	of BSW-8		3/2/2020	not requested	not requested	not requested	not requested	37	not requested	not requested	not requested	4.89	78.01	data lost	data lost	data lost	data lost	data lost	data lost
			9/30/2020	not requested	not requested	not requested	not requested	32	not requested	not requested	not requested	4.99	77.91	24.4	6.2	285.3	1.6	113.8	9.8
MW-30	Cross	38	11/3/2017	<25	3.5	not requested	not requested	not requested	not requested	not requested	not requested	6.25	75.13	29.2	7.1	740	0.5	-156	8.2
	Gradient		3/13/2018	<52.1	3.7	not detected		not requested	340	19.7	3.6	5.06	76.52	16.4	6.5	723	0.3	-47	47.8
	of BSW-8		6/27/2018	<24.5	3.5	<9.8	2.9	not requested	346	19.8	3.3	5.98	75.60	21.9	6.5	749	0.2	-45	24.5
			9/20/2018	<25.0	3.5	<10.0	2.9	not requested	325	16.9	3.8	4.51	76.52	25.7	6.7	691	0.2	-83	24.6
			2/19/2019	<25.0	3.5 3.5	<10.0	2.9	2.4	295	18.8	2.8	4.98	76.60	14.4	7.0	603 568	0.2	-43	39.5
			7/25/2019 3/2/2020	<25.0		<10.0	2.9	3.3 1.8	284 284	17.3 17.3	3.4 3.4	5.69 3.86	75.89 77.72	24.7 16.7	6.7 6.9	602	0.1	-82 -63	2.6
			9/29/2020	not requested	not requested	not requested	not requested	0.98				3.86	77.96	25.7	6.8	606	0.2	-63 -80	6.0 2.7
				not requested	not requested	not requested	not requested		not requested	not requested	not requested								
			SL - Tapwater	0.041		240		0.041	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Maximum	n Contaminant	t Level (MCL)	1		no standard		1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

J =concentration shown is estimated

Yellow shaded cell indicates detected concentration is greater than the corresponding MCL

 ** not detected as a Tentatively Identified Compound (TIC) by the analytical laboratory

Expanded Biosparge Pilot Test #2 startup on May 29, 2018

Table 2 Groundwater Data Summary Marsh Lumber Company Pamplico, South Carolina S&ME Project No. 1584-98-146C



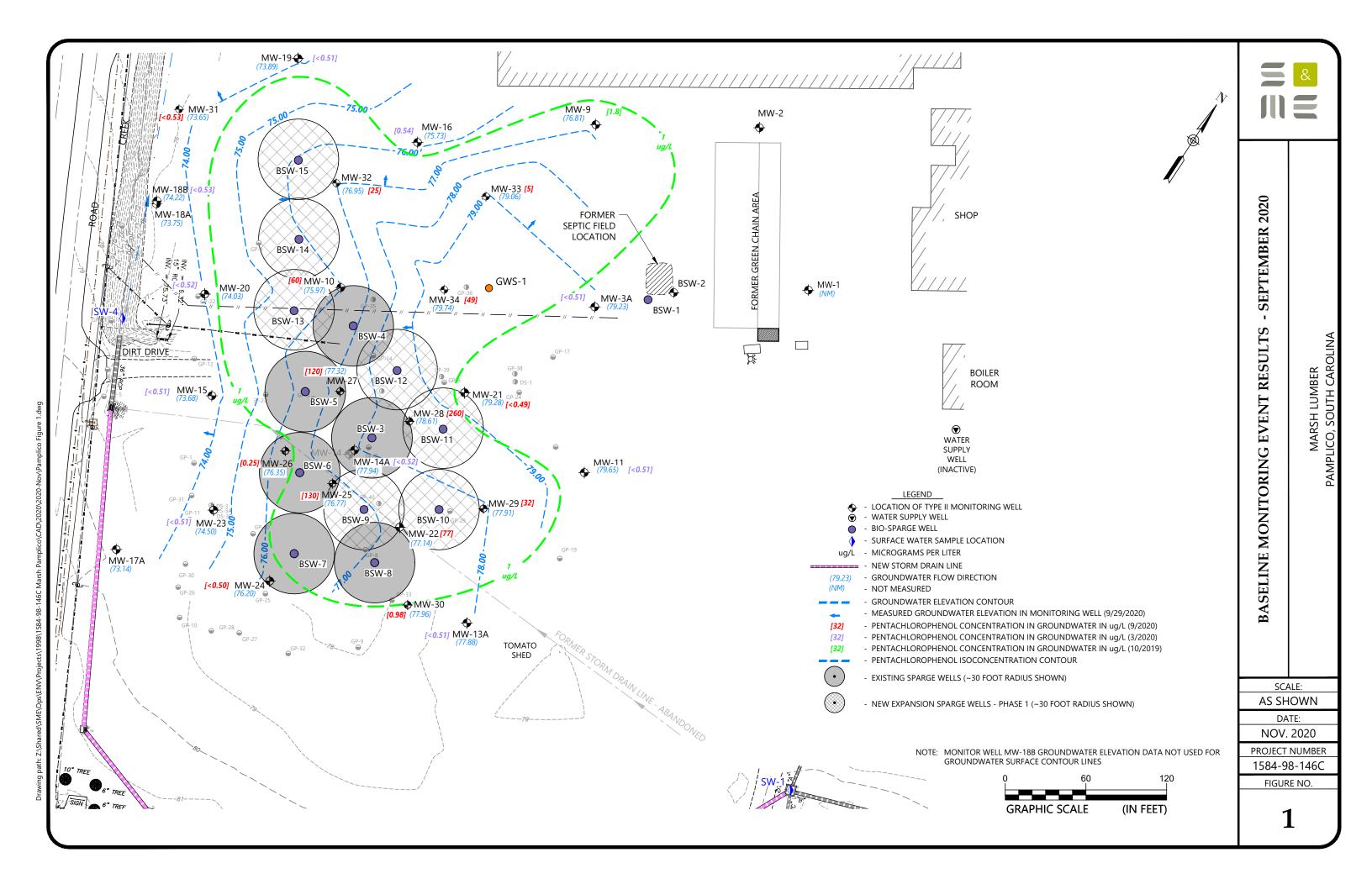
Sample ID	Position	Distance To	Date		Method 8	270 (BNA)		Method 8151	Ger	neral Chemi	stry				Field Pa	rameters			
	Relative to	Bio-sparge	Sample	Pentachlo	orophenol	2,3,4,6 Tetra	chlorophenol	PCP	Alkalinity	Chloride	TOC	DTGW	GWE	Temp	рН	Cond.	D.O.	ORP	Turbidity
	Bio-Sparge	Well	Collected	Result	MDL	Result	MDL	Result											
	Well	(Feet)		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(feet)	(feet)	(Celsius)	(s.u)	(μs/cm ³⁾	(mg/L)	(millivolts)	(NTU)
MW-31	not applicable	not applicable	9/30/2020	not requested	not requested	not requested	not requested	< 0.53	not requested	not requested	not requested	4.99	TBD	23.5	6.4	1154	0.7	-11	9.1
MW-32	not applicable	not applicable	9/30/2020	not requested	not requested	not requested	not requested	25	not requested	not requested	not requested	4.88	TBD	22.9	6.1	542	1.5	20	8.8
MW-33	not applicable	not applicable	9/30/2020	not requested	not requested	not requested	not requested	5	not requested	not requested	not requested	5.27	TBD	23.3	5.3	116	0.9	209	8.0
MW-34	not applicable	not applicable	9/30/2020	not requested	not requested	not requested	not requested	49	not requested	not requested	not requested	3.83	TBD	23.6	5.7	199	0.4	110	1.0
		RS	L - Tapwater	0.041		240		0.041	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Maximum	Contaminant	t Level (MCL)	1		no standard		1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

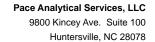
J =concentration shown is estimated

Yellow shaded cell indicates detected concentration is greater than the corresponding MCL

Expanded Biosparge Pilot Test #2 startup on May 29, 2018

^{**} not detected as a Tentatively Identified Compound (TIC) by the analytical laboratory





(704)875-9092



October 16, 2020

Mr. Ed Henriques S&ME, Inc. 8646 West Market Street Suite 105 Greensboro, NC 27409

RE: Project: Marsh Lumber 1584-98-146C

Pace Project No.: 92498397

Dear Mr. Henriques:

Enclosed are the analytical results for sample(s) received by the laboratory on October 01, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

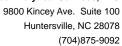
Sincerely,

angela M. Baioni

Angela Baioni angela.baioni@pacelabs.com (704)875-9092 Project Manager

Enclosures







SAMPLE SUMMARY

Project: Marsh Lumber 1584-98-146C

Pace Project No.: 92498397

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92498397001	MW-10	Water	09/29/20 15:20	10/01/20 14:45
92498397002	MW-21	Water	09/30/20 16:55	10/01/20 14:45
92498397003	MW-22	Water	09/29/20 15:15	10/01/20 14:45
92498397004	MW-24	Water	09/29/20 12:40	10/01/20 14:45
92498397005	MW-25	Water	09/30/20 10:15	10/01/20 14:45
92498397006	MW-26	Water	09/30/20 11:25	10/01/20 14:45
92498397007	MW-27	Water	09/30/20 12:35	10/01/20 14:45
92498397008	MW-28	Water	09/30/20 13:45	10/01/20 14:45
92498397009	MW-29	Water	09/30/20 15:20	10/01/20 14:45
92498397010	MW-30	Water	09/29/20 14:05	10/01/20 14:45
92498397011	MW-31	Water	09/30/20 16:45	10/01/20 14:45
92498397012	MW-32	Water	09/30/20 14:45	10/01/20 14:45
92498397013	MW-33	Water	09/30/20 12:00	10/01/20 14:45
92498397014	MW-34	Water	09/30/20 09:30	10/01/20 14:45

REPORT OF LABORATORY ANALYSIS



Pace Analytical www.pacelabs.com

9800 Kincey Ave. Suite 100 Huntersville, NC 28078 (704)875-9092

PROJECT NARRATIVE

Project: Pace Project No.:	
Method: Description: Client: Date:	

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Receivice (Y/N) Custod Sealed Cooler (Y/N) Sample Intact (Y/N)	ТЕМР	10/1/20	DATE Signed:		1, 1	117	N		A		"	AMPLE	SIGNATURE of SAMPLER	SIGNAT								7	49839	92
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92498397	esidual Chlorine (Y/N)			Analyses Test	Melhanol Diher	Na2S2O3	NeOH	HNO3	H2SO4	Unpreserved	SAMPLE TEMP AT COLLECTI # OF CONTAINERS	TIME	END -	S .	START	SAMPLETYPE (G=GRAB (MATRIX CODE (see valid co	# # # # # # # # # # # # # # # # # # #	Water Water Water Water Water Water Product SolrSolid Oil Wipe Air Other These These	5.441	SAMPLE ID One Character per box. (A-Z, 0-91,-) Sample Ids must be unique	SAMPLE ID One Character per box. (AZ, 0.91, .) sample ids must be uniq	s o co	ITEM#
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		_			3	200	8	Pace Project Manager	ojeci i	Pace Project	P		460	Marsh Lumber 1584-98-146C	Lumber		lame:	Project Name:			Fax	(336)288-7180	Requested Due Date:	Requester
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1 Of 1	Page:				İ		,	Attention:	T I	Attention:	A :				ŠŠ	Ed Henriques	9. E	Report To:					S&ME	Company:
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	accurately.	wizni. All relevant fields must be completed accurately.	neids must	relevant	¥.	DIA C	Š	od) is a regal DOC	Ę		,						æ.	Section B			,			Section A

17 Required Client Information: ITEM# uite 105, Greensboro, NC 27409 mail: EHerniques@smeinc.com hone: (336)288-7180 quested Due Date: MW-33 MW-34 8646 West Market Street Sample lds must be unique One Character per box. (A-Z, 0-9/, -) SAMPLE ID Required Project Information: Report To: Ed Herniques Copy To: Project Name: Purchase Order #: 13 04 W A 55 55 MM A 60 CO \$ ş MATRIX CODE (see valid codes to left) SAMPLETYPE (G=GRAB C=COMP) Marsh Lumber 1584-98-146C START AMPLER NAME AND SIGNATURE TIME COLLECTED SIGNATURE of SAMPLER: PRINT Name of SAMPLER: S The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. 130 END 0330 200 Ø 1/20 SAMPLE TEMP AT COLLECTION Section C Invoice Information: Attention: Company Name: Address: 2 # OF CONTAINERS N Pace Project Manager. Pace Profile #: Pace Quote: 多 Unpreserved GAMIS YORK H2SQ4 HN03 Preservatives HCI NaOH ACCEPTED BY ATTEMPONING THE Na2S2O3 angela.baioni@pacelabs.com Methanol Other Analyses Testand YING DATE Signed: 8151 Herbicides - PCP S TINGS DIND SHEET TO SHEET LOCKSON TO SHEET THE SHEET 120 1445 Page: (See) See Ballot Le Constitución (See) See TEMP In C Residual Chlorine (Y/N) Received on 0249839 ice (Y/N) Custody W Sealed Cooler (Y/N) ರ್ಷ Samples (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical



Report of Analysis

Pace Analytical Services, Inc.

9800 Kincey Avenue Suite 100 Huntersville, NC 28078 Attention: Angela M. Baioni

Project Name: Marsh Lumber 1584-98-146C

Project Number: 92498397 Lot Number: VJ01073 Date Completed: 10/16/2020

Kary Coman

10/16/2020 2:50 PM
Approved and released by:
Project Manager II: **Karen L. Coonan**





The electronic signature above is the equivalent of a handwritten signature.

This report shall not be reproduced, except in its entirety, without the written approval of Pace Analytical Services, LLC.

PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Pace Analytical Services, Inc. Lot Number: VJ01073

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Herbicide 8151A

The following samples required a dilution for Pentachlorophenol; the surrogate was diluted out and did not pass criteria range:

VJ01073-001, -001MS and -001MSD (MW-10) VJ01073-008 (MW-28)

The associated method blank and laboratory control sample (LCS) passed acceptance criteria.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

PACE ANALYTICAL SERVICES, LLC

Sample Summary Pace Analytical Services, Inc.

Lot Number: VJ01073

Project Name: Marsh Lumber 1584-98-146C

Project Number: 92498397

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-10	Aqueous	09/29/2020 1520	10/01/2020
002	MW-21	Aqueous	09/30/2020 1655	10/01/2020
003	MW-22	Aqueous	09/29/2020 1515	10/01/2020
004	MW-24	Aqueous	09/29/2020 1240	10/01/2020
005	MW-25	Aqueous	09/30/2020 1015	10/01/2020
006	MW-26	Aqueous	09/30/2020 1125	10/01/2020
007	MW-27	Aqueous	09/30/2020 1235	10/01/2020
800	MW-28	Aqueous	09/30/2020 1345	10/01/2020
009	MW-29	Aqueous	09/30/2020 1520	10/01/2020
010	MW-30	Aqueous	09/29/2020 1405	10/01/2020
011	MW-31	Aqueous	09/30/2020 1645	10/01/2020
012	MW-32	Aqueous	09/30/2020 1445	10/01/2020
013	MW-33	Aqueous	09/30/2020 1200	10/01/2020
014	MW-34	Aqueous	09/30/2020 0930	10/01/2020

(14 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary

Pace Analytical Services, Inc.

Lot Number: VJ01073

Project Name: Marsh Lumber 1584-98-146C

Project Number: 92498397

Sample	e Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-10	Aqueous	Pentachlorophenol	8151A	60		ug/L	5
003	MW-22	Aqueous	Pentachlorophenol	8151A	77		ug/L	7
005	MW-25	Aqueous	Pentachlorophenol	8151A	130		ug/L	9
006	MW-26	Aqueous	Pentachlorophenol	8151A	0.25	J	ug/L	10
007	MW-27	Aqueous	Pentachlorophenol	8151A	120		ug/L	11
800	MW-28	Aqueous	Pentachlorophenol	8151A	260		ug/L	12
009	MW-29	Aqueous	Pentachlorophenol	8151A	32		ug/L	13
010	MW-30	Aqueous	Pentachlorophenol	8151A	0.98		ug/L	14
012	MW-32	Aqueous	Pentachlorophenol	8151A	25		ug/L	16
013	MW-33	Aqueous	Pentachlorophenol	8151A	5.0		ug/L	17
014	MW-34	Aqueous	Pentachlorophenol	8151A	49		ug/L	18

(11 detections)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-001

Matrix: Aqueous Description: MW-10

Date Sampled:09/29/2020 1520

Project Name: Marsh Lumber 1584-98-146C

Project Number: 92498397 Date Received: 10/01/2020

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8151A 8151A 10/07/2020 1158 JJG 10/02/2020 1739 68687

CAS Analytical Number Result Q LOQ DL Units Run Parameter Method

Pentachlorophenol 87-86-5 8151A 60 11 2.6 ug/L

Acceptance Limits Run 1 Surrogate % Recovery Q DCAA 114 50-112

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL H = Out of holding time

N = Recovery is out of criteria W = Reported on wet weight basis P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-002 Matrix: Aqueous

DL

0.12

Description: MW-21

Date Sampled:09/30/2020 1655

Project Name: Marsh Lumber 1584-98-146C

Date Received: 10/01/2020

Project Number: 92498397

CAS

Run Prep Method 8151A

Pentachlorophenol

Analytical Method Dilution Analysis Date Analyst

8151A

10/07/2020 1308 JJG

Prep Date 10/02/2020 1739 68687

Batch

Analytical

Number 87-86-5

Method 8151A Result Q ND

LOQ 0.49 Units

Run ug/L

Surrogate

DCAA

Parameter

Run 1 % Recovery Q

Acceptance Limits

50-112

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL H = Out of holding time

N = Recovery is out of criteria W = Reported on wet weight basis P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-003 Matrix: Aqueous

Description: MW-22

Date Sampled:09/29/2020 1515

Project Name: Marsh Lumber 1584-98-146C

Date Received: 10/01/2020

Project Number: 92498397

Run Prep Method 1 8151A Analytical Method Dilution Analysis D

Analytical Method Dilutio 8151A 50 Analysis Date Analyst 10/07/2020 1331 JJG Prep Date Batch

10/02/2020 1739 68687

Parameter	CAS Number	Analytical Method	Result Q	LOQ	DL	Units	Run
Pentachlorophenol	87-86-5	8151A	77	24	6.0	ug/L	1
Common made		otance					

Surrogate Q Run 1 Acceptance
Q Recovery Limits

DCAA 58 50-112

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%

DL = Detection Limit

ND = Not detected at or above the DL H = Out of holding time N = Recovery is out of criteria
W = Reported on wet weight basis

J = Estimated result < LOQ and > DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc. Laboratory ID: VJ01073-004

Description: MW-24 Matrix: Aqueous

Date Sampled:09/29/2020 1240 Project Name: Marsh Lumber 1584-98-146C

Project Number: 92498397 Date Received: 10/01/2020

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8151A 8151A 10/07/2020 1354 JJG 10/02/2020 1739 68687

CAS Analytical

Parameter Number Result Q LOQ DL Units Run Method 8151A Pentachlorophenol 87-86-5 ND 0.50 0.13 ug/L

Acceptance Limits Run 1 Surrogate % Recovery Q

DCAA 50-112

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

H = Out of holding time

W = Reported on wet weight basis

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-005

Description: MW-25 Matrix: Aqueous

Date Sampled:09/30/2020 1015 Project Name: Marsh Lumber 1584-98-146C

Date Received: 10/01/2020 Project Number: 92498397

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 1 8151A 8151A 50 10/07/2020 1418 JJG 10/02/2020 1739 68687

CAS Analytical Parameter Number Result Q LOQ DL Units Run Method 8151A Pentachlorophenol 87-86-5 130 25 6.3 ug/L

Surrogate Run 1 Acceptance
Q % Recovery Limits

DCAA 88 50-112

LOQ = Limit of Quantitation

B = Detected in the method blank

 $\label{eq:energy} \mbox{E = Quantitation of compound exceeded the calibration range}$

DL = Detection Limit

ND = Not detected at or above the DL H = Out of holding time N = Recovery is out of criteria
W = Reported on wet weight basis

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc. Laboratory ID: VJ01073-006

Description: MW-26 Matrix: Aqueous

Date Sampled:09/30/2020 1125 Project Name: Marsh Lumber 1584-98-146C

Date Received: 10/01/2020 Project Number: 92498397

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8151A 8151A 10/07/2020 1733 JJG 10/02/2020 1739 68687

CAS Analytical Parameter Number Result Q LOQ DL Units Run Method 8151A 0.25 Pentachlorophenol 87-86-5 0.53 0.13 ug/L

Acceptance Limits Run 1 Surrogate % Recovery Q DCAA 50-112 85

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and \geq DL

H = Out of holding time W = Reported on wet weight basis Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-007 Matrix: Aqueous

Description: MW-27

Date Sampled:09/30/2020 1235

Date Received: 10/01/2020

Project Name: Marsh Lumber 1584-98-146C

Project Number: 92498397

CAS

Number

87-86-5

Run Prep Method 8151A

Pentachlorophenol

Analytical Method Dilution Analysis Date Analyst

8151A 50

10/07/2020 1756 JJG

Analytical

Method 8151A

Prep Date 10/02/2020 1739 68687

Result Q

120

Batch

25

LOQ DL Units Run

ug/L

6.3

Surrogate

DCAA

Parameter

Run 1 % Recovery Q

Acceptance Limits

50-112 70

LOQ = Limit of Quantitation

H = Out of holding time

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria W = Reported on wet weight basis P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-008

Description: MW-28

Matrix: Aqueous

Date Sampled:09/30/2020 1345

Project Name: Marsh Lumber 1584-98-146C

Date Received: 10/01/2020

Project Number: 92498397

Run Prep Method 8151A

Analytical Method Dilution Analysis Date Analyst

8151A 100

10/07/2020 1820 JJG

Prep Date Batch 10/02/2020 1739 68687

CAS Analytical Parameter Number Result Q LOQ DL Units Run Method Pentachlorophenol 87-86-5 8151A 260 51 13 ug/L

Acceptance Limits Run 1 Surrogate % Recovery Q DCAA 114 50-112

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40%

DL = Detection Limit

ND = Not detected at or above the DL H = Out of holding time

N = Recovery is out of criteria W = Reported on wet weight basis

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-009

Description: MW-29 Matrix: Aqueous

Date Sampled:09/30/2020 1520

Project Name: Marsh Lumber 1584-98-146C

Date Received: 10/01/2020 Project Number: 92498397

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 1 8151A 8151A 10 10/07/2020 1843 JJG 10/02/2020 1739 68687

CAS Analytical Parameter Number Result Q LOQ DL Units Run Method 8151A Pentachlorophenol 87-86-5 32 5.3 1.3 ug/L

Surrogate Q Run 1 Acceptance
Q Recovery Limits

DCAA 112 50-112

LOQ = Limit of Quantitation

H = Out of holding time

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40%

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria
W = Reported on wet weight basis

J = Estimated result < LOQ and > DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-010

Matrix: Aqueous

Description: MW-30

Date Sampled:09/29/2020 1405

Date Received: 10/01/2020

Project Name: Marsh Lumber 1584-98-146C

Project Number: 92498397

Run Prep Method 8151A

Analytical Method Dilution

8151A

Analysis Date Analyst 10/07/2020 1906 JJG

Prep Date 10/02/2020 1739 68687

Batch

Parameter	CAS Number	Analytical Method	Result Q	LOQ	DL	Units	Run
Pentachlorophenol	87-86-5	8151A	0.98	0.53	0.13	ug/L	1

Acceptance Limits Run 1 Surrogate % Recovery Q 50-112

DCAA

LOQ = Limit of Quantitation

H = Out of holding time

ND = Not detected at or above the DL

B = Detected in the method blank N = Recovery is out of criteria W = Reported on wet weight basis E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc. Laboratory ID: VJ01073-011

Matrix: Aqueous Description: MW-31

Date Sampled:09/30/2020 1645 Project Name: Marsh Lumber 1584-98-146C

Project Number: 92498397 Date Received: 10/01/2020

Run Prep Method Analytical Method Dilution Analysis Date Analyst Prep Date Batch 8151A 8151A 10/07/2020 1930 JJG 10/02/2020 1739 68687

CAS Analytical Parameter Number Result Q LOQ DL Units Run Method 8151A Pentachlorophenol 87-86-5 ND 0.53 0.13 ug/L

Acceptance Limits Run 1 Surrogate % Recovery Q DCAA 50-112 95

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL H = Out of holding time

N = Recovery is out of criteria W = Reported on wet weight basis P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-012

Description: MW-32

Matrix: Aqueous

Date Sampled:09/30/2020 1445

Project Name: Marsh Lumber 1584-98-146C

Date Received: 10/01/2020

Project Number: 92498397

Run Prep Method 8151A

Analytical Method Analysis Date Analyst

Dilution 8151A

10/07/2020 1953 JJG

Prep Date Batch 10/02/2020 1739 68687

CAS Analytical Parameter Number Result Q LOQ DL Units Run Method 8151A Pentachlorophenol 87-86-5 25 5.0 1.3 ug/L

Acceptance Limits

Run 1 Surrogate % Recovery Q

DCAA 50-112

LOQ = Limit of Quantitation

H = Out of holding time

ND = Not detected at or above the DL

B = Detected in the method blank N = Recovery is out of criteria W = Reported on wet weight basis E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-013

Description: MW-33

Project Name: Marsh Lumber 1584-98-146C

Matrix: Aqueous

Date Sampled:09/30/2020 1200

Date Received: 10/01/2020

Project Number: 92498397

Run Prep Method 8151A

Analytical Method Dilution 8151A

Analysis Date Analyst 5 10/07/2020 2016 JJG

Prep Date

Batch 10/02/2020 1739 68687

_	CAS	Analytical			
Danamaskan	Ni mada a m	Madeaal	Dag. III O	100	11

Parameter	Number	Method	Result Q	LOQ	DL	Units	Run
Pentachlorophenol	87-86-5	8151A	5.0	2.8	0.69	ug/L	1

Run 1 Acceptance Surrogate Q % Recovery Limits DCAA 100 50-112

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

ND = Not detected at or above the DL H = Out of holding time

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

W = Reported on wet weight basis

J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.) 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Client: Pace Analytical Services, Inc.

Laboratory ID: VJ01073-014

Description: MW-34

Matrix: Aqueous

Date Sampled:09/30/2020 0930

Project Name: Marsh Lumber 1584-98-146C

Date Received: 10/01/2020

Project Number: 92498397

Run Prep Method 8151A

Analytical Method Dilution Analysis Date Analyst

8151A

10/07/2020 2039 JJG

Prep Date 10/02/2020 1739 68687

Batch

Parameter	CAS Number	Analytical Method	Result Q	LOQ	DL	Units	Run
Pentachlorophenol	87-86-5	8151A	49	11	2.6	ug/L	1

Acceptance Limits Run 1 Surrogate % Recovery Q DCAA 50-112 107

LOQ = Limit of Quantitation

H = Out of holding time

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range P = The RPD between two GC columns exceeds 40%

DL = Detection Limit

ND = Not detected at or above the DL

N = Recovery is out of criteria W = Reported on wet weight basis J = Estimated result < LOQ and \geq DL

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

QC Summary

Herbicides by GC - MB

Sample ID: VQ68687-001 Batch: 68687

Analytical Method: 8151A

Matrix: Aqueous Prep Method: 8151A

Prep Date: 10/02/2020 1739

Parameter	Result	Q Dil	LOQ	DL	Units	Analysis Date
Pentachlorophenol	ND	1	0.50	0.13	ug/L	10/07/2020 1112
Surrogate	Q % Rec	Acceptance Limit				
DCAA	81	50-112				

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

 $J = Estimated \ result < LOQ \ and \ge DL$

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

QC Data for Lot Number: VJ01073

Herbicides by GC - LCS

Sample ID: VQ68687-002 Batch: 68687

Surrogate

DCAA

Matrix: Aqueous Prep Method: 8151A

Analytical Method: 8151A	8151A Prep Date: 10/02/202						
Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	
Pentachlorophenol	10	7.1		1	71	70-130	

Q

% Rec

87

Acceptance Limit

50-112

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

QC Data for Lot Number: VJ01073

Analysis Date

10/07/2020 1135

Herbicides by GC - MS

Sample ID: VJ01073-001MS

Batch: 68687

Analytical Method: 8151A

Matrix: Aqueous Prep Method: 8151A

Prep Date: 10/02/2020 1739

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Pentachlorophenol	60	22	89		20	130	70-130	10/07/2020 1221
Surrogate	Q % F		ptance imit					
DCAA	N 12	3 50)-112					

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Herbicides by GC - MSD

Sample ID: VJ01073-001MD

Batch: 68687

Matrix: Aqueous Prep Method: 8151A

Prep Date: 10/02/2020 1739

Analytical Method: 8151A

Parameter	Sample Amount (ug/L)		Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Pentachlorophenol	60	22	85		20	112	4.7	70-130	30	10/07/2020 1245
Surrogate	Q %		eptance .imit							
DCAA	N 1	15 50	0-112							

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and \geq DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody and Miscellaneous Documents

E	Pace Analytical	Results Requested By: 10/15/2020		LABUSEONLY														0.24March2009 Page 1 of 2
	SC 7 Ves	10/1/2020																FMT-ALL-C-002rev.00 24March2009
	State Of Origin: SC Cert. Needed:	貕		Personal Mariant	×	×	×	××	× >	×	×	×	×	×	×	×	X	
		Workorder Name: Marsh Lumber 1584-98-146C	Pace Analytical West Columbia 106 Vantage Point Drive West Cotumbia, SC 29172 Phone (803)791-9700		92455397001 Water 3	\neg	-	92498397004 Water 9	-	1	92498397008 Water 1	92498397009 Water 1	92498397010 Water 1	92498397011 Water 1	92499397012 Water 1	92498397013 Water 1	92498397014 Water 1	
of Custody	•	Workorder Name: Marsh Lumber 1584-98-146C	Pace Analytical West Co 106 Vantage Point Drive West Cotumbia, SC 291 Phone (803)781-9700		-	_	9/29/2020 15:15 9/2468	_	-		9/30/2020 13:45 92499	_	9/29/2020 14:05 92498	\neg	_	_	9/30/2020 06:30 92498	
Internal Transfer Chain of Custoc	Samples Pre-Logged Into eCOC,	多数数			PS	S 8	S 60	S	84	78	PS	PS	PS	82	PS	PS	PS	MY 4118118 DZDZ
Internal Tr	Samples Pre	9248	Angela Baioni Pace Analytical Charlotte 9800 Kincey Ave. Suite 100 Huntersville, NC 28078 Phone (704)875-9092	Horaldins man		3 1406.00	ī		8 WW-26						\neg	$\neg \tau$	14 MW-34	messay, october on, 2020 p.18:14 PM

Transfere	Ralaman Ry	TOTAL DESIGNATION OF THE PERSO	系统 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	机场均均和加州	张教育设施是国家政	が記念のでは、日本には、日本には、日本には、日本には、日本には、日本には、日本には、日本に	是開網網網網
Т		Date/Unite	Received By	Date/Time			
2							•
			Wantle granner	Children Lay			
ooler Ten	Cooler Temperature on Receipt 31/51/190	Custody Seal	Y Seal Y or (N) Rece	Received on log Y) or	Y) or N	Samples Intact N	2
'In order (c This chai	This chain of custody is considered complete as is since this information is available in the owner laboratory.	ation/name of te as is since t	the sampling site, sampler's name his information is available in the	e and signatur owner laboralt	e may not be provide ory.	d on this COC document	
						VJ01073	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
						KLG2	
			dend to the section for the section for the section for the section for the section of				
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-							



Samples Receipt Checklist (SRC) (ME0018C-15) Issuing Authority: Pace ENV - WCOL

Revised:9/29/2020 Page 1 of 1

Sample Receipt Checklist (SRC)

Client: Pace	Cooler Inspected by/date: AHD / 10/1/2020 Lot #	: VJ01073						
Means of receipt:								
Yes V No	Were custody seals present on the cooler?							
Yes No ✓NA	2. If custody seals were present, were they intact and unbroken?							
pH Strip ID: 20-1820	Chlorine Strip ID: 20-2231 Tested by: AH	D						
Original temperature upon		p-Cup ID: NA						
3.6 /3.6 °C 5.1 /5.1	1 °C 3.8 /3.8 °C NA /NA °C	r						
Method: Temperature F	Blank Against Bottles IR Gun ID; 5 IR Gun Correction I	Factor: 0 °C						
Method of coolant: 🔽 V	Vot Ice							
	 If temperature of any cooler exceeded 6.0°C, was Project Manager Y 	Notified?						
☐ Yes ☐ No ☑ NA	PM was Notified by: phone / email / face-to-face (circle one).							
Yes No VNA	4. Is the commercial courier's packing slip attached to this form?							
	Were proper custody procedures (relinquished/received) followed?							
	6. Were sample IDs listed on the COC?							
	7. Were sample IDs listed on all sample containers?							
	8. Was collection date & time listed on the COC?							
	9. Was collection date & time listed on all sample containers?							
	(,,,,,,,,							
	11. Were tests to be performed listed on the COC?							
	12. Did all samples arrive in the proper containers for each test and/or in							
☑ Yes ☐ No	(unbroken, lids on, etc.)?	n good condition						
	13. Was adequate sample volume available?							
Yes No	14. Were all samples received within ½ the holding time or 48 hours, w	hichever comes first?						
☐ Yes ✓ No	 Were any samples containers missing/excess (circle one) samples N 	ot listed on COC?						
Yes No NA	 For VOA and RSK-175 samples, were bubbles present > "pea-size" 	(¼"or 6mm in diameter)						
	in any of the VOA vials?							
Yes No VNA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?							
	18. Were all cyanide samples received at a pH > 12 and sulfide samples	received at a pH > 9?						
	 Were all applicable NH₃/TKN/cyanide/phenol/625.1/608,3 (< 0.5mg residual chlorine? 	(L) samples free of						
	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD des	1 - 1 - 1						
☐ Yes ☐ No ☑NA	correctly transcribed from the COC into the comment section in LIMS?	ignations, etc)						
	21. Was the quote number listed on the container label? If yes, Quote #							
	lust be completed for any sample(s) incorrectly preserved or with heads	pace.)						
Sample(s) NA	were received incorrectly preserved and v	ere adjusted accordingly						
in sample receiving with N	A mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA							
Time of preservation NA	. If more than one preservative is needed, please note in the cont	ments below.						
Sample(s) NA	turner reason and with halfall.							
Samples(s) NA	were received with bubbles							
	were received with TRC > 0.5 mg/L (If	#19 is <i>na</i>) and were						
adjusted accordingly in sam	ple receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Shealy ID: NA	·						
SR barcode labels applied b	y; AHD Date; 19/1/2020	777						
Comments:								
7								

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location**: Project Number: 1584-98-146C Purge Date: September 29, 2020 Source Well: MW-10 Purge Time 35 Minutes Locked? Yes Sample Date September 29, 2020 Sampled By: Gary Simcox Sample Time 15:20 Weather: Overcast Air Temp 80° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Depth to Water Well Diameter 7.33 ft-TOC 2 inch Total Well Depth: 17.80 ft-TOC Water Volume 1.7 Gal Height of Water Column 10.47 3 * Well Volume 5.13 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 8.54 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 14:40 **End Time** 15:15 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 16.0 ft-TOC 8.67 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL 9.50 DTW-TOC at 25% Drawdown of WC Above Pump: ft-TOC **Comments:** 0.9 Final Volume Purged: Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved **Purged** Flow Rate Water рΗ ORP* Time Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) 14:40 Start Purging 0.0 14:45 100 25.5 5.2 300 1.0 135 21.3 0.1 14:50 0.3 100 0.4 13.7 25.6 5.2 231 125 14:55 0.4 100 25.5 5.4 238 0.4 104 7.72 15:00 0.5 100 25.3 5.6 246 0.3 88 10.7 15:05 0.7 100 25.3 5.5 249 0.3 87 8.12 15:10 8.0 100 25.2 5.6 251 0.3 81 3.83 15:15 0.9 100 25.3 5.7 255 0.3 75 2.63 15:15 Final: 0.9 100 25.3 5.7 255 0.3 75 2.6 **End of Purging** Peristaltic Pump 15:20 Sample End Time: 15:40 Sample Method: Sample Start Time: Analytical Data Method Qty Container Preservative Method Qty Container Preservative PCS 8151 1L A Unpreserved

Signature

Name

(1)

Gary Simcox

Notes: To convert ORP to Eh, add 205 mV to ORP.

10/5/2020

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location**: Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-21 Purge Time Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Colby Paine Sample Time 16:55 Weather: Sunny Air Temp 75° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Well Diameter Depth to Water 4.76 ft-TOC 2 inch Total Well Depth: 19.10 ft-TOC Water Volume 2.3 Gal Height of Water Column 14.34 3 * Well Volume 7.02 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 11.70 Gal Well Purging Information Purge Method: Peristaltic Pump Start Time 16:15 **End Time** 16:55 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 18.0 ft-TOC 13.24 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL 8.07 DTW-TOC at 25% Drawdown of WC Above Pump: ft-TOC **Comments:** Final Volume Purged: 1.1 Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved Time **Purged** Flow Rate Water рΗ ORP* Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) Start Purging 16:15 0.0 16:20 100 24.8 6.8 280 3.8 128 16.7 0.1 16:25 0.3 100 3.4 125 24.9 6.8 283 14.5 16:30 0.4 100 24.9 6.8 286 3.2 125 13.7 16:35 0.5 100 24.8 6.8 288 3.1 126 14.3 16:40 0.7 100 24.7 6.8 290 2.9 125 12.2 16:45 290 2.9 125 8.0 100 24.7 6.8 12.1 16:50 0.9 100 24.7 6.8 291 2.9 125 10.7 16:55 1.1 100 24.7 6.8 292 2.9 125 9.92 16:55 Final: 1.1 100 24.7 6.8 292 2.9 125 9.9 **End of Purging** Peristaltic Pump 16:55 Sample End Time: 17:15 Sample Method: Sample Start Time: Analytical Data Method Qty Container Preservative Method Qty Container Preservative 8151 1L A Unpreserved 2

							i
	Name		Signature			Date	
				11110			
(4)				Why L. (yair		10 /5 /2020	
(1)	Colby Paine		-	V V	_	10/5/2020	
Notes:	To convert ORP to Eh, add 2	205 mV to ORP.					

lotes: To convert ORP to Eh, add 205 mV to ORP.

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location** Project Number: 1584-98-146C Purge Date: September 29, 2020 Source Well: MW-22 Purge Time Minutes Locked? Yes Sample Date September 29, 2020 Sampled By: Colby Paine Sample Time 15:15 Weather: Sunny Air Temp 80° F Water Level & Well Data Measuring Point: Well Volume Top of Casing Well Diameter Depth to Water 4.60 ft-TOC 2 inch Total Well Depth: 20.40 ft-TOC Water Volume 2.6 Gal Height of Water Column 15.80 3 * Well Volume 7.74 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 12.89 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 14:45 **End Time** 15:15 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 18.0 ft-TOC 13.40 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL 7.95 DTW-TOC at 25% Drawdown of WC Above Pump: ft-TOC **Comments:** 0.8 Final Volume Purged: Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved Flow Rate рΗ ORP* Time **Purged** Water Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) 14:45 Start Purging 0.0 14:50 100 26.5 5.8 133 2.3 129 1.15 0.1 14:55 0.3 100 130 0.31 26.4 5.5 1.1 142 15:00 0.4 100 26.2 5.4 121 0.9 149 0.65 15:05 0.5 100 26.0 5.3 119 8.0 155 1.40 15:10 0.7 100 25.9 119 160 0.03 5.3 8.0 120 15:15 8.0 100 25.9 5.3 0.9 164 0.00 15:15 Final: 8.0 100 25.9 5.3 120 0.9 164 0.0 **End of Purging** Peristaltic Pump 15:15 15:35 Sample Method: Sample Start Time: Sample End Time: Analytical Data Method Qty Container Preservative Method Container Preservative Qty PCS 8151 1L A Unpreserved Signature Name Date

Colly L. Pain

Colby Paine

Notes: Duplicate 1 collected from this location.

(1)

10/5/2020

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location**: Project Number: 1584-98-146C Purge Date: September 29, 2020 Source Well: MW-24 Purge Time Minutes Locked? Yes Sample Date September 29, 2020 Sampled By: Colby Paine Sample Time 12:40 Weather: Sunny Air Temp 80° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Well Diameter Depth to Water 5.03 ft-TOC 2 inch Total Well Depth: 16.70 ft-TOC Water Volume 1.9 Gal Height of Water Column 11.67 3 * Well Volume 5.71 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 9.52 Gal Well Purging Information Purge Method: Peristaltic Pump Start Time **End Time** (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 18.0 ft-TOC 12.97 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL DTW-TOC at 25% Drawdown of WC Above Pump: 8.27 ft-TOC **Comments:** 20.1 Final Volume Purged: Gallons Used YSI Pro Plus, Final Volume Purge Rate: 100 mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved рΗ Flow Rate ORP* Time **Purged** Water Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) Start Purging 0.0 2,009 12:15 19.4 100 24.5 6.9 2.3 -158 3.53 12:20 19.5 100 2,009 -158 3.78 24.5 6.9 2.1 12:25 19.7 100 24.5 6.9 2,010 2.1 -157 3.62 12:30 19.8 100 24.4 6.9 2,011 2.0 -157 4.75 12:35 19.9 100 6.9 2,007 -155 24.3 1.8 3.14 12:40 2,003 3.94 20.1 100 24.4 6.9 1.6 -154 12:40 20.1 2,003 Final: 100 24.4 6.9 1.6 -154 3.9 **End of Purging** Peristaltic Pump 12:40 Sample End Time: 13:00 Sample Method: Sample Start Time: Analytical Data Method Qty Container Preservative Method Qty Container Preservative PCS 8151 1LA Unpreserved Name Signature Date Colly L. Paine 10/5/2020 Colby Paine (1) Notes:

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location** Project Number: 1584-98-146C Purge Date September 30, 2020 Source Well: MW-25 Purge Time Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Colby Paine Sample Time 10:15 Weather: Sunny Air Temp 65° F Water Level & Well Data Measuring Point: Well Volume Top of Casing Well Diameter Depth to Water 3.62 ft-TOC 1 inch Total Well Depth: 17.10 ft-TOC Water Volume 0.5 Gal Height of Water Column 13.48 3 * Well Volume feet 1.65 Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 2.75 Gal Well Purging Information Purge Method: Peristaltic Pump Start Time 9:00 **End Time** 10:15 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 16.0 ft-TOC 12.38 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL DTW-TOC at 25% Drawdown of WC Above Pump: 6.72 ft-TOC **Comments:** Final Volume Purged: 2.0 Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved Flow Rate рΗ ORP* Time **Purged** Water Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (µS/cm) (mg/L) (mV) (gal) (°C) (s.u.) 09:00 Start Purging 0.0 09:05 100 5.9 195 1.7 77 197 0.1 23.1 09:10 0.3 100 213 48 114 23.1 6.0 1.3 09:15 0.4 100 23.4 6.0 219 1.0 33 67.1 09:20 0.5 100 23.2 6.0 215 0.7 33 52.9 09:25 0.7 100 23.3 6.0 213 0.5 34 45.0 09:30 8.0 100 23.4 6.0 211 0.4 34 37.8 09:35 0.9 100 23.1 6.0 208 0.3 36 34.0 09:45 1.2 100 23.3 6.0 204 0.3 38 28.9 09:55 1.5 100 23.4 5.9 200 0.3 38 15.4 10:00 1.6 100 23.5 5.9 198 0.2 39 11.9 10:05 1.7 100 23.6 5.9 195 0.2 39 9.18 10:10 1.8 100 23.6 5.9 194 0.2 40 9.01 10:15 2.0 100 23.6 5.9 192 0.2 40 8.43 10:15 Final: 2.0 100 23.6 5.9 192 0.2 40 8.4 **End of Purging** Peristaltic Pump 10:15 Sample End Time: 10:35 Sample Method: Sample Start Time: Analytical Data Qty Method Container Preservative Method Container Preservative Qty PCS 8151 1L A Unpreserved

Name Signature Date

(1) Colby Paine 10/5/2020

Notes: To convert ORP to Eh, add 205 mV to ORP.

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location** Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-26 Purge Time Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Colby Paine Sample Time 11:25 Weather: Sunny Air Temp 65° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Well Diameter Depth to Water 4.86 ft-TOC 1 inch Total Well Depth: 17.10 ft-TOC Water Volume 0.5 Gal Height of Water Column 12.24 3 * Well Volume 1.50 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 2.50 Gal Well Purging Information Purge Method: Peristaltic Pump Start Time 10:50 **End Time** 11:25 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 16.0 ft-TOC Water Column Above Pump Intake: 11.14 Flow Through Cell Vol: feet 200 mL 7.65 DTW-TOC at 25% Drawdown of WC Above Pump: ft-TOC **Comments:** 0.9 Final Volume Purged: Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved **Purged** Flow Rate рΗ ORP* Time Water Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) 10:50 Start Purging 0.0 10:55 100 23.2 6.4 355 1.3 -22 32.7 0.1 11:00 0.3 100 -30 27.3 23.1 6.5 355 3.9 11:05 0.4 100 23.1 6.4 344 1.0 -28 20.0 11:10 0.5 100 23.1 6.4 328 1.1 -23 13.2 11:15 0.7 100 23.1 6.4 317 1.1 -18 9.89 11:20 8.0 100 23.1 6.3 311 1.1 -15 9.56 11:25 0.9 100 23.1 6.3 305 1.2 -13 9.23 11:25 Final: 0.9 100 23.1 6.3 305 1.2 -13 9.2 **End of Purging** Peristaltic Pump 11:25 Sample End Time: 11:45 Sample Method: Sample Start Time: Analytical Data Qty Method Container Preservative Method Qty Container Preservative PCS 8151 1L A Unpreserved

(1) Colby Paine Unit Colby Paine 10/5/2020

Notes: To convert ORP to Eh, add 205 mV to ORP.

Signature

Name

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location**: Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-27 Purge Time Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Colby Paine Sample Time 12:35 Weather: Sunny Air Temp 65° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Well Diameter Depth to Water 4.88 ft-TOC 1 inch Total Well Depth: 20.10 ft-TOC Water Volume 0.6 Gal Height of Water Column 15.22 3 * Well Volume feet 1.86 Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 3.10 Gal Well Purging Information Purge Method: Peristaltic Pump Start Time 12:05 **End Time** (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 18.0 ft-TOC 13.12 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL 8.16 DTW-TOC at 25% Drawdown of WC Above Pump: ft-TOC **Comments:** 8.0 Final Volume Purged: Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved рΗ **Purged** Flow Rate ORP* Time Water Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) 12:05 Start Purging 0.0 100 23.9 5.3 106 0.6 143 12.7 12:10 0.1 12:15 0.3 100 105 144 9.03 23.8 5.2 0.6 12:20 0.4 100 23.7 5.2 106 0.4 145 6.69 12:25 0.5 100 23.7 5.2 104 0.4 145 8.93 12:30 0.7 100 105 0.3 4.02 23.8 5.2 143 12:35 105 8.0 100 23.8 5.2 0.3 143 3.65 12:35 Final: 8.0 100 23.8 5.2 105 0.3 143 3.7 **End of Purging** Peristaltic Pump 12:35 Sample End Time: 12:55 Sample Method: Sample Start Time: Analytical Data Method Qty Container Preservative Method Qty Container Preservative PCS 8151 1LA Unpreserved Name Signature Date Cally L. Pain 10/5/2020 Colby Paine (1) Notes:

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location** Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-28 Purge Time Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Colby Paine Sample Time 13:45 Weather: Sunny Air Temp 70° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Well Diameter Depth to Water 4.42 ft-TOC 1 inch Total Well Depth: 20.20 ft-TOC Water Volume 0.6 Gal Height of Water Column 15.78 3 * Well Volume 1.93 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 3.22 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 13:15 **End Time** (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 18.0 ft-TOC 13.58 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL DTW-TOC at 25% Drawdown of WC Above Pump: 7.82 ft-TOC **Comments:** 0.8 Final Volume Purged: Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved **Purged** Flow Rate рΗ ORP* Time Water Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) Start Purging 13:15 0.0 100 5.0 97 1.3 2.24 13:20 0.1 24.4 236 13:25 0.3 100 95 1.04 24.3 4.9 0.6 226 13:30 0.4 100 24.4 4.9 95 0.4 220 0.98 13:35 0.5 100 24.3 4.9 96 0.4 217 0.75 13:40 0.7 100 4.9 97 216 0.30 24.3 0.4 97 13:45 8.0 100 24.3 4.9 0.4 215 0.19 13:45 Final: 8.0 100 24.3 4.9 97 0.4 215 0.2 **End of Purging** Peristaltic Pump 13:45 Sample End Time: 14:05 Sample Method: Sample Start Time: Analytical Data Qty Method Container Preservative Method Qty Container Preservative PCS 8151 1L A Unpreserved

Notes: To convert ORP to Eh, add 205 mV to ORP.

Colly L. Pains

Signature

Name

(1)

Colby Paine

Date

10/5/2020

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location**: Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-29 Purge Time Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Colby Paine Sample Time 15:20 Weather: Sunny Air Temp 75° F Water Level & Well Data Measuring Point: Well Volume Top of Casing Well Diameter Depth to Water 4.99 ft-TOC inch Total Well Depth: 23.30 ft-TOC Water Volume 0.7 Gal Height of Water Column 18.31 3 * Well Volume 2.24 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 3.73 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 14:15 **End Time** (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 20.0 ft-TOC 15.01 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL DTW-TOC at 25% Drawdown of WC Above Pump: 8.74 ft-TOC **Comments:** Final Volume Purged: 1.7 Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved Flow Rate рΗ ORP* Time **Purged** Water Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (µS/cm) (mg/L) (mV) (gal) (°C) (s.u.) 14:15 Start Purging 0.0 100 25.0 5.4 145 3.6 7.50 14:20 0.1 218 14:25 0.3 100 2.9 9.32 24.7 5.5 154 189 14:30 0.4 100 24.6 5.7 196 2.2 148 50.2 14:35 0.5 100 24.6 5.8 204 2.2 142 40.1 14:40 0.7 100 5.9 224 2.3 120 38.2 24.6 14:45 8.0 100 24.5 6.0 243 2.0 111 34.5 14:50 0.9 100 24.5 6.0 244 2.0 113 29.3 15:00 1.2 100 24.4 6.1 254 1.7 114 20.9 15:05 1.3 100 24.4 6.1 264 1.9 113 19.2 15:10 1.5 100 24.3 6.1 274 1.8 113 17.3 15:20 1.7 100 24.4 6.2 285 1.6 114 9.76 15:20 Final: 1.7 100 24.4 6.2 285 1.6 114 9.8 **End of Purging** Peristaltic Pump 15:20 Sample End Time: 15:40 Sample Method: Sample Start Time:

Analytical Data

Method	Qty	Container	Preservative	Method	Qty	Container	Preservative
SVOCs 8270	2	1L A	Unpreserved				
PCS 8151	2	1L A	Unpreserved				

	Name	Signature	Date
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(1)	Colby Paine	Dong C. (Jan	10/5/2020

Notes: To convert ORP to Eh, add 205 mV to ORP.

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location** Project Number: 1584-98-146C Purge Date: September 29, 2020 Source Well: MW-30 Purge Time Minutes Locked? Yes Sample Date September 29, 2020 Sampled By: Colby Paine Sample Time 14:05 Weather: Overcast Air Temp 80° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Well Diameter Depth to Water 3.62 ft-TOC inch Total Well Depth: 22.40 ft-TOC Water Volume 0.8 Gal Height of Water Column 18.78 3 * Well Volume 2.30 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 3.83 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 13:30 **End Time** 14:05 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 20.0 ft-TOC 16.38 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL DTW-TOC at 25% Drawdown of WC Above Pump: 7.72 ft-TOC **Comments:** Final Volume Purged: 0.9 Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved Flow Rate рΗ ORP* **Purged** Water Spec. Cond. Oxygen **Turbidity** Time Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) 13:30 Start Purging 0.0 100 25.5 7.3 500 2.6 47.5 13:35 0.1 -45 13:40 0.3 100 -68 67.8 25.6 7.0 519 1.5 13:45 0.4 100 25.8 6.8 541 0.7 -72 8.69 13:50 0.5 100 25.7 6.7 562 0.6 -73 14.0 13:55 0.7 100 25.7 6.8 587 0.4 -76 4.43 -78 14:00 8.0 100 25.6 6.8 602 0.4 5.93 14:05 0.9 100 25.7 6.8 606 0.3 -80 2.70 14:05 Final: 0.9 100 25.7 6.8 606 0.3 -80 2.7 **End of Purging** Peristaltic Pump 14:05 Sample End Time: 14:25 Sample Method: Sample Start Time: Analytical Data Method Qty Container Preservative Method Container Preservative Qty PCS 8151 1L A Unpreserved

(1) Colby Paine Logist 10/5/2020

Notes: To convert ORP to Eh, add 205 mV to ORP.

Signature

Name

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location**: Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-31 Purge Time 70 Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Gary Simcox Sample Time 16:45 Weather: Sunny Air Temp 70° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Well Diameter Depth to Water 4.99 ft-TOC 2 inch Total Well Depth 16.90 ft-TOC Water Volume 1.9 Gal Height of Water Column 11.91 3 * Well Volume 5.83 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 9.72 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 15:35 **End Time** 16:45 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: ft-TOC 15.5 Water Column Above Pump Intake: 10.51 Flow Through Cell Vol: feet 200 mL DTW-TOC at 25% Drawdown of WC Above Pump: 7.62 ft-TOC **Comments:** Final Volume Purged: 1.8 Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved **Purged** Flow Rate Water рΗ ORP* Time Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) Start Purging 15:35 0.0 100 23.5 6.4 1,176 0.6 -29 85.9 15:45 0.3 15:55 0.5 100 1,170 23.7 6.4 0.5 -33 62.1 16:05 8.0 100 23.6 6.4 1,155 0.5 -24 50.0 16:15 1.1 100 23.6 6.4 1,151 0.5 -16 23.2 16:25 1.3 100 23.6 6.4 1,151 0.6 -14 15.1 16:35 1.6 100 23.7 6.4 1,153 0.7 -13 9.33 16:45 1.8 100 23.5 6.4 1,154 0.7 -11 9.05 16:45 Final: 1.8 100 23.5 6.4 1,154 0.7 -11 9.1 **End of Purging** Peristaltic Pump 16:45 Sample End Time: 17:05 Sample Method: Sample Start Time: Analytical Data Method Qty Container Preservative Method Qty Container Preservative PCS 8151 1L A Unpreserved

Signature

Name

(1)

Gary Simcox

Notes: To convert ORP to Eh, add 205 mV to ORP.

10/5/2020

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location** Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-32 Purge Time 105 Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Gary Simcox Sample Time 14:45 Weather: Sunny Air Temp 70° F Water Level & Well Data Measuring Point: Well Volume Top of Casing Well Diameter Depth to Water 4.88 ft-TOC 2 inch Total Well Depth: 16.70 ft-TOC Water Volume 1.9 Gal Height of Water Column 11.82 3 * Well Volume 5.79 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 9.64 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 13:00 **End Time** 14:45 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: ft-TOC 15.5 10.62 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL DTW-TOC at 25% Drawdown of WC Above Pump: 7.54 ft-TOC **Comments:** Final Volume Purged: 2.8 Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved Flow Rate ORP* **Purged** Water Spec. Cond. Oxygen **Turbidity** Time Temp pН Comment (mL/min) (NTU) (ft) (µS/cm) (mg/L) (mV) (gal) (°C) (s.u.) 13:00 Start Purging 0.0 100 22.5 5.7 429 1.6 95 29.5 13:05 0.1 13:10 0.3 100 439 85 22.5 5.9 1.6 37.1 13:15 0.4 100 22.6 5.9 439 1.8 84 40.9 13:25 0.7 100 22.7 5.9 438 2.1 85 40.4 13:35 0.9 100 22.6 5.9 435 1.9 88 29.4 1.9 13:45 1.2 100 22.8 6.0 433 87 25.8 13:55 1.5 100 22.7 5.9 448 1.8 69 18.6 14:05 1.7 100 22.8 6.0 465 1.7 51 15.5 14:15 2.0 100 22.8 6.0 478 1.8 46 14.6 14:25 2.2 100 22.8 6.1 501 1.7 36 11.7 14:35 2.5 100 22.8 6.1 515 1.6 27 11.0 14:45 2.8 100 22.9 6.1 542 1.5 20 8.81 14:45 Final: 2.8 100 22.9 6.1 542 1.5 20 8.8 **End of Purging** Peristaltic Pump 14:45 Sample End Time: 15:05 Sample Method: Sample Start Time: **Analytical Data**

Method	Qty	Container	Preservative	Method	Qty	Container	Preservative
PCS 8151	2	1L A	Unpreserved				

Name	Signature	Date

Gary Simcox

10/5/2020

Notes: To convert ORP to Eh, add 205 mV to ORP.

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location**: Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-33 Purge Time 85 Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Gary Simcox Sample Time 12:00 Weather: Sunny Air Temp 70° F Water Level & Well Data Measuring Point: Top of Casing Well Volume Well Diameter Depth to Water 5.27 ft-TOC 2 inch Total Well Depth: 18.80 ft-TOC Water Volume 2.2 Gal Height of Water Column 13.53 3 * Well Volume feet 6.62 Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 11.04 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 10:35 **End Time** (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 17.0 ft-TOC 11.73 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL 8.20 DTW-TOC at 25% Drawdown of WC Above Pump: ft-TOC **Comments:** Final Volume Purged: 2.2 Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved **Purged** Flow Rate Water рΗ ORP* Time Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) 10:35 Start Purging 0.0 10:40 100 22.5 5.5 131 1.6 164 107 0.1 10:50 0.4 100 131 184 89.6 22.8 5.4 1.5 11:00 0.7 100 22.7 5.4 130 1.3 192 69.2 11:10 0.9 100 22.7 5.4 129 1.3 196 59.0 11:20 1.2 100 22.8 5.3 126 1.3 200 43.5 11:30 1.5 100 23.0 5.4 123 1.1 202 27.2 11:40 1.7 100 23.2 5.4 119 0.9 205 15.1 11:50 2.0 100 23.0 5.2 117 0.9 211 9.15 12:00 2.2 100 23.3 5.3 116 0.9 209 8.00 12:00 209 Final: 2.2 100 23.3 5.3 116 0.9 8.0 **End of Purging** Peristaltic Pump 12:00 12:20 Sample Method: Sample Start Time: Sample End Time: Analytical Data Qty Method Container Preservative Method Qty Container Preservative PCS 8151 1L A Unpreserved

(1) Gary Simcox 10/5/2020

Notes: To convert ORP to Eh, add 205 mV to ORP.

Signature

Name

LOW FLOW GROUNDWATER SAMPLING FORM Project Name: Marsh Pamplico **Project Location**: Project Number: 1584-98-146C Purge Date: September 30, 2020 Source Well: MW-34 Purge Time 40 Minutes Locked? Yes Sample Date September 30, 2020 Sampled By: Gary Simcox Sample Time 9:30 Weather: Sunny Air Temp 70° F Water Level & Well Data Measuring Point: Well Volume Top of Casing Well Diameter Depth to Water 3.83 ft-TOC 2 inch Total Well Depth: 19.00 ft-TOC Water Volume 2.5 Gal Height of Water Column 15.17 3 * Well Volume 7.43 feet Gal Screen Length: feet Stickup: ft-GRD 5 * Well Volume 12.38 Gal **Well Purging Information** Purge Method: Peristaltic Pump Start Time 8:45 **End Time** 9:25 (If Used) Bladder Pump Control Settings: On (sec): Off (sec) Pressure: psi Pump Intake Depth from Top of Casing: 17.0 ft-TOC 13.17 Flow Through Cell Vol: Water Column Above Pump Intake: feet 200 mL DTW-TOC at 25% Drawdown of WC Above Pump: 7.12 ft-TOC **Comments:** Final Volume Purged: 1.1 Gallons Used YSI Pro Plus, 100 Final Volume Purge Rate: mL/min Well Purged Dry?: No (Yes/No) Field Parameters (Taken at time intervals ≥ 5 minutes and purge volumes ≥ 1 flow-through cell volume) Volume Depth to Dissolved **Purged** Flow Rate Water рΗ ORP* Time Spec. Cond. Oxygen **Turbidity** Temp Comment (mL/min) (NTU) (ft) (°C) (µS/cm) (mg/L) (mV) (gal) (s.u.) 08:45 Start Purging 0.0 08:50 100 23.0 5.8 205 0.8 249 27.0 0.1 08:55 0.3 100 170 25.5 23.1 5.7 196 0.5 09:00 0.4 100 23.2 5.7 196 0.5 156 22.4 09:05 0.5 100 23.4 5.7 198 0.4 138 12.1 09:10 0.7 100 23.2 5.7 199 0.4 124 4.00 199 09:15 8.0 100 23.4 5.6 0.4 117 1.98 09:20 0.9 100 23.4 5.7 200 0.4 114 0.98 09:25 1.1 100 23.6 5.7 199 0.4 110 0.98 09:25 Final: 1.1 100 23.6 5.7 199 0.4 110 1.0 **End of Purging** Peristaltic Pump 09:30 Sample End Time: 09:50 Sample Method: Sample Start Time: Analytical Data Qty Method Container Preservative Method Qty Container Preservative PCS 8151 1L A Unpreserved

Name
Signature

Date

(1) Gary Simcox

10/5/2020

Notes: To convert ORP to Eh, add 205 mV to ORP.