

SITEC

ENVIRONMENTAL

Civil and Environmental Engineering, Land Use
Planning, Hazardous and Solid Waste Consulting

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IMMEDIATE RESPONSE ACTION (IRA) STATUS REPORT NO. 2

Release Tracking No.: 4-27363

Property Located at:

Residential Lot

85 McCabe Street

Dartmouth, Massachusetts

Prepared For:

Terceira Construction

1 Cookie Way

Dartmouth, MA 02748

Prepared By:

SITEC Environmental, Inc.

769 Plain Street, Unit C

Marshfield, MA 02050

SITEC Project Number:

SE18-1375

Date:

June 26, 2019

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1.0 INTRODUCTION

This document is an *Immediate Response Action (IRA) Status Report No. 2* prepared by SITEC Environmental, Inc. (SITEC) regarding a reported release of oil and/or hazardous materials (OHM) at a vacant residential lot located at 85 McCabe Street in Dartmouth, Massachusetts (the "Site"). This report serves to notify the Massachusetts Department of Environmental Protection (MassDEP) of the results of the completed assessment activities which are performed under authorization from Terceira Construction, the potentially responsible party (PRP) for this release.

The actions were conducted in compliance with Massachusetts General Laws Chapter 21E (MGL Chapter 21E) and the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000. The purpose of this report is to satisfy MCP requirements for IRA status reports at 310 CMR 40.0425. SITEC will prepare and submit subsequent status reports every six months or until an IRA Completion Report is submitted.

1.1 Limitations

The conclusions contained in this report are based solely upon and limited to the information described herein. Overall site observations were limited to clearly visible, unobstructed conditions. In completing this IRA Plan, SITEC did not consider whether this property is in compliance with any other statutes, laws, by-laws, regulations or policies unless compliance was directly related to the reported release. A portion of the information provided in this report is based upon personal interviews by the parties involved. SITEC did not attempt to independently verify the completeness, correctness or accuracy of this information. SITEC reserves the right to change its conclusions upon learning that this information was incomplete, incorrect or inaccurate.

2.0 PROPERTY DESCRIPTION

The following information was obtained during SITEC's Property reconnaissance, from local records review, and a review of publicly available maps and plans.

2.1 Property Location

The Site is located at 85 McCabe Street, Bristol County, Dartmouth, Massachusetts. According to the Town of Dartmouth Assessors Office, the land on which the Site is located is identified on Map 144, as Lot 64 (the "Property"). The coordinates for the Site is approximately 41° 36' 59" North Latitude and 70° 56' 51" West Longitude. The Property is rectangular and consists of approximately 8,750 square feet. A Locus Map is included as Figure 1 and a Site Sketch is included as Figure 2.

2.2 Vicinity Characteristics

The Property is zoned residential and is located in a sub-urban residential area in South Dartmouth. The Property is located approximately 0.3 miles west from the Dartmouth-New Bedford town line. The Property and the vicinity are served by municipal water, gas, and telephone/cable services; however, there are private drinking water supply wells located within 500 feet from the Site.

After discovery of this release MassDEP and the Dartmouth Board of Health (BOH) walked the surrounding neighborhood and observed construction activities at several other parcels in the vicinity and requested sampling of soil at these other parcels. Elevated levels of Poly-Chlorinated Biphenyls (PCBs) and lead were reported in soil from these parcels. These parcels are currently regulated by MassDEP (RTNs: 4-27703 and 4-27576).

As part of research for a separate unrelated site, SITEC discovered newspaper articles from 1939 that indicated waste disposal activities occurred in the McCabe Street area dating back to the 1930s that may have involved the Town of Dartmouth and/or City of New Bedford. This prompted MassDEP to issue Requests for Information (RFIs) to the City of New Bedford and the Town of Dartmouth requesting any information relative to sources and transportation of the waste material and property ownership at the time of waste deposition. Subsequently, MassDEP has initiated a sub-surface investigation in the neighborhood which includes the installation of soil borings and groundwater monitoring wells. Initial results indicate the presence of buried waste along McCabe Street, East Wordell Street, and Sharp Street in the vicinity of the Property.

2.3 Property Uses

The Property is currently unoccupied. There was a former single family residence located on the Property (constructed in 1949) which was demolished. The construction of a new single family residence began in July 2018. The foundation excavation has been completed and the bottom of the excavation is covered with pea stone. Construction was halted upon discovery of the release.

2.4 Uses of Adjoining Properties

Single family residences abut the Property to the west, east. An undeveloped lot abuts the Property to the north. McCabe Street abuts the Property to the south with single family residences located across McCabe Street from the Property.

2.5 Corrected Property Boundaries

In March, Terceira Construction became aware that they did not purchase the entire property associated with the former residence at 85 McCabe Street. Terceira Construction only purchased Lot 64 and not 64-1 located to the north. Lot 64-1 remains in the name of the former owner of 85 McCabe Street (Steven Fernandes) and is a land locked parcel. When conducting test pits, SITEC assumed the entire former house lot was transferred and was not aware that test pits advanced on the northern portion was on land not owned by Terceira Construction. Although a majority of the test pits is located on Lot 64, five of the test pits were advanced on Lot 64-1 remaining owned by the former owner of 85 McCabe Street. TP-1, TP-2, TP-3, TP-14, and TP-15 were advanced on Lot 64-1. An updated Site Sketch is included as Figure 2.

3.0 COMPLIANCE HISTORY

On July 30, 2018 MassDEP received verbal notification from Michael O'Reilly, Environmental Affairs Coordinator for the Town of Dartmouth regarding a release of OHM at the Site. Mr. O'Reilly reported that deteriorated metal drums containing a black viscous petroleum-based substance, and rusted metal objects, rubber tires, glass, and other discarded debris, were excavated during foundation demolition at the single family residential lot.

On July 31, 2018, SITEC along with MassDEP visited the Site and observed conditions consistent with the observations of Mr. O'Reilly. Visible on the side wall of the excavation was various debris including rusted metal objects, tires, glass bottles, and a black petroleum based substance in the soil. In addition, two damaged metal containers were observed on the pile of excavated soil which were leaking a viscous black petroleum based liquid.

On August 30, 2018, SITEC submitted an IRA Plan describing the assessment activities conducted up to that date and proposed future response actions. Proposed response actions outlined in the IRA Plan included the disposal of the excavated soil stockpile and further assessment with the excavation of test pits.

On December 27, 2018, SITEC submitted an IRA Status Report No. 1 reporting the assessment and removal activities conducted up to that date and proposed future response actions. Completed response actions outlined in the IRA Status Report No. 1 included the assessment and containerization of the viscous black petroleum liquid, the disposal of the excavated soil stockpile, and further assessment via the excavation of test pits.

4.0 COMPLETED IMMEDIATE RESPONSE ACTIONS

The Immediate Response Action (IRA) activities were conducted in accordance with the IRA Plan which was submitted to MassDEP on August 30, 2018. IRAs are assessment and/or remedial actions that are undertaken in an expeditious manner to address a time-critical release or site conditions. During this reporting period of December 28, 2018 to June 26, 2019 (since the submittal of the IRA Status Report No. 1), the following immediate response action have been conducted.

4.1 Removal of the Salvage Drums containing the Viscous Black Petroleum Liquid

As outlined in IRA Status Report No. 1, on September 5, 2018, the drums and viscous black petroleum substance was removed by hand from the soil stockpile and the deteriorated drums, the viscous black petroleum substance, and any contaminated soil/debris was put into two 85-gallon drum overpacks. The overpacks were sealed and remained on the Property pending disposal.

On April 4, 2019, the two overpack drums were removed from the Property by New England Disposal Technologies (NEDT). One drum was transported to VEXOR Technology, Inc. in Medina, OH and the other drum was transported to ENPRO Services in Williston, VT for disposal. The manifests are included in Attachment 1.

4.2 Installation of Groundwater Monitoring Wells

On May 24, 2019, SITEC oversaw the advancement of four soil borings which were completed as groundwater monitoring wells. Boring logs for these wells are included as Attachment 2. The locations of borings and wells are included on Figure 2 - Property Sketch.

During soil boring advancement, soil samples were collected at 5-foot intervals from each boring. Soil samples were collected using a macrocore with disposable plastic liners. Selected portions of the soil profile were placed in pre-cleaned 8-oz jars and the jar headspace was screened for volume/volume of total organic vapors "as isobutylene" in ppm using a calibrated PID. The headspace screening results and sample descriptions are included on the boring logs. There were no significant responses by the PID on any of the sub-surface soil samples.

5.0 FUTURE IRA ACTIVITIES

Terceira Construction does not have the financial resources to continue with response actions and is currently seeking an "Eligible Person" to transfer ownership and conduct the future response actions. The scope of future response actions will be determined by the new owner and the proposed use of the Property.

In addition, it is SITEC's understanding that MassDEP has received documents provided by the City of New Bedford and the Town of Dartmouth pertaining to historic dumping in the neighborhood. MassDEP is in the process of reviewing the information to identify any other PRPs whom may be responsible for future response actions.

Authorization for SITEC to file this IRA Status Report with MassDEP on behalf of the PRP is included as Attachment 3.

Subject to the limitations previously described and otherwise reference herein, all the available information, research, and Property observations documented to date and contained in this report are, to the best of SITEC's knowledge, true, accurate, and complete.

SITEC ENVIRONMENTAL, INC.



Geoffrey Souza, LSP
Project Manager

FIGURES

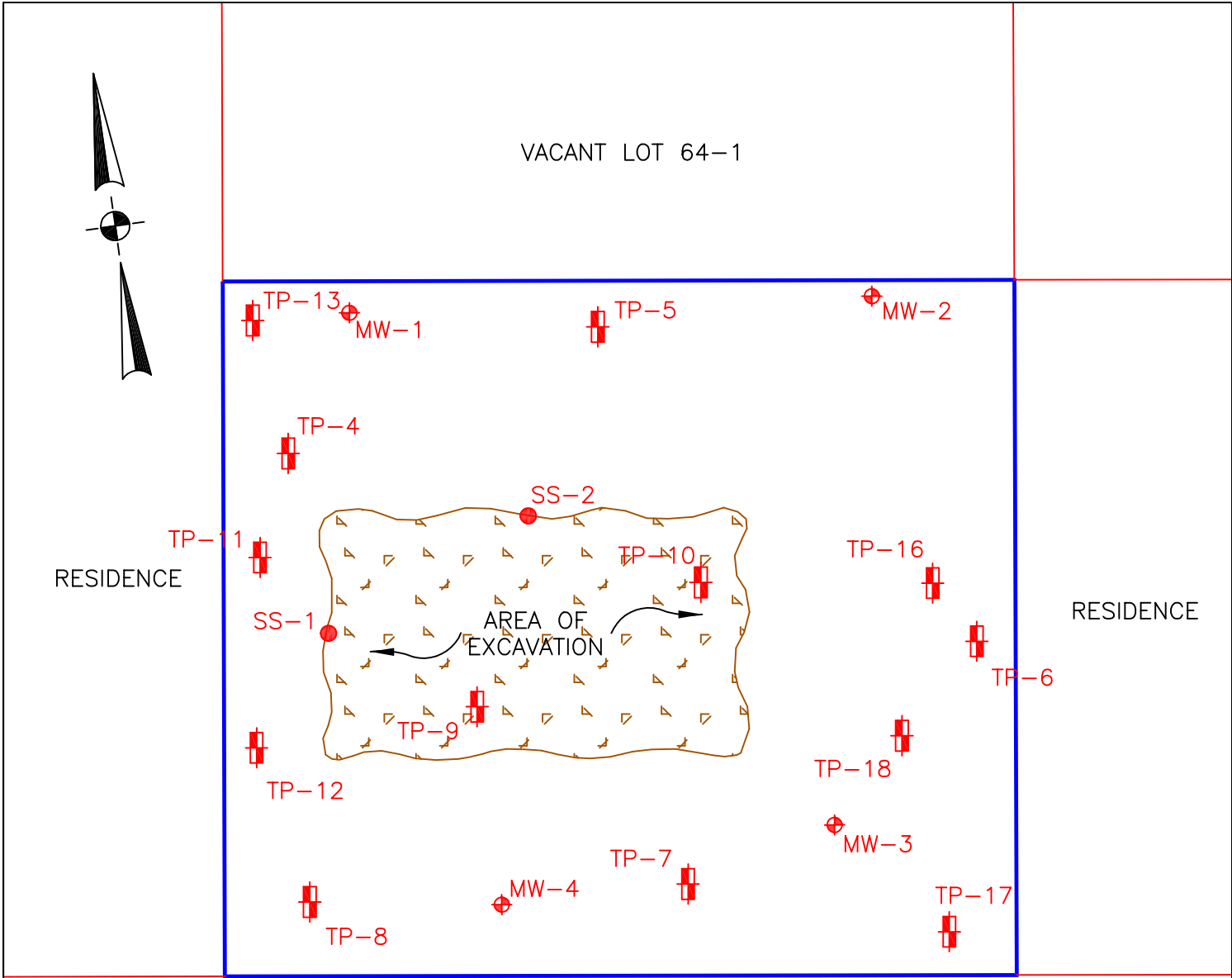
FIGURE 1 - LOCUS MAP

FIGURE 2 - SITE SKETCH



BASE IMAGE: USGS TOPOGRAPHIC MAP – NEW BEDFORD SOUTH 1977

FIGURE 1	LOCUS MAP	SITEC ENVIRONMENTAL 769 Plain Street, Unit C Marshfield, MA 02050 Tel. (781) 319-0100 FAX (781) 834-4783
<i>appx. scale:</i>		
AS SHOWN	85 MCCABE STREET DARTMOUTH, MASSACHUSETTS	



McCABE STREET

LEGEND

- PROPERTY LINE
- SOIL SAMPLE LOCATION
- ⊞ TEST PIT LOCATION
- ⊕ MONITORING WELL LOCATION

FIGURE 2	SITE SKETCH	SITEC ENVIRONMENTAL 769 Plain Street, Unit C Marshfield, MA 02050 Tel. (781) 319-0100 FAX (781) 834-4783
<i>appx. scale:</i> 1" = 20' 	85 McCABE STREET DARTMOUTH, MASSACHUSETTS	

ATTACHMENT 1

MANIFESTS

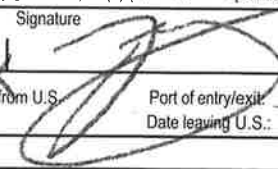
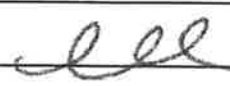

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MAC300008059	2. Page 1 of 1	3. Emergency Response Phone 800 693-1265	4. Manifest Tracking Number 019939745 JJK		
5. Generator's Name and Mailing Address Terceira Construction, LLC 1 Cookie Way Dartmouth MA 02748		Generator's Site Address (if different than mailing address) 85 McCabe Street Dartmouth MA 02748					
Generator's Phone: 774 263-1292		U.S. EPA ID Number MAC300008059			6. Transporter 1 Company Name New England Disposal Technologies, Inc.		
7. Transporter 2 Company Name NRCASTEN SVc		U.S. EPA ID Number MAC300098399			8. Designated Facility Name and Site Address ENPRO Services of Vermont, Inc. 54 Avenue D Williston VT 05495		
Facility's Phone: 802 860-1200		U.S. EPA ID Number VTRO00517052					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
1	Non-RCRA, non-DOT Regulated Material (unknown solids)	001	DM	200	P	MA01	VT02
2							
3							
4							
14. Special Handling Instructions and Additional Information t)80895 VT-0319-32522 Drum #1 RTN #4-0027363							
Job# 01-21284 Emergency Response To Spill Event							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Jason Braz		Signature [Signature]			Month Day Year 4/3/19		
16. International Shipments <input type="checkbox"/> Import to U.S. Transporter signature (for exports only):		<input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Shay M RA		Signature [Signature]			Month Day Year 4/3/19		
Transporter 2 Printed/Typed Name Caleb Litter		Signature [Signature]			Month Day Year 4/8/19		
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: U.S. EPA ID Number							
18b. Alternate Facility (or Generator) Facility's Phone:						Month Day Year	
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. 1141		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a							
Printed/Typed Name Beth Norcross		Signature [Signature]			Month Day Year 4/16/19		

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number MAC300008059		2. Page 1 of 1		3. Emergency Response Phone 800 698-1865		4. Manifest Tracking Number 019939746 JJK			
		5. Generator's Name and Mailing Address Terceira Construction, LLC 1 Cookie Way Dartmouth MA 02748		Generator's Site Address (if different than mailing address) 85 McCabe Street Dartmouth MA 02748							
6. Transporter 1 Company Name New England Disposal Technologies, Inc.		U.S. EPA ID Number MAC300008059									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address Vexor Technology, LLC 955 West Smith Road Medina OH 44256		U.S. EPA ID Number OHDO77772895									
Facility's Phone: 330 721-9773											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
						No.	Type				
		1. Non-RCRA, non-DOT Regulated Material (unknown solids)				001	DM	200	P	MA99	
		2.									
		3.									
	4.										
14. Special Handling Instructions and Additional Information 1)VEX35729 Drum #2 RTN# 4-0027363											
Job# 01-21284 Emergency Response To Spill Event											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offoror's Printed/Typed Name Jason Broz											
Signature 											
Month Day Year 4 13 15											
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	Transporter signature (for exports only): _____										
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials										
	Transporter 1 Printed/Typed Name Sham H R										
Signature 											
Month Day Year 4 13 15											
Transporter 2 Printed/Typed Name											
Signature											
Month Day Year											
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	Manifest Reference Number: _____										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number										
	Facility's Phone: _____										
18c. Signature of Alternate Facility (or Generator)											
Month Day Year											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name Signature Month Day Year											
Tim Brian  10/16/15											

ATTACHMENT 2

BORING/WELL LOGS

SITEC Environmental, Inc. 769 Plain Street, Unit C Marshfield, MA 02050 Phone: (781) 319-0100 FAX: (781) 834-4783					Boring Log Boring/Well No.:			page 1 of 1	
Project No: SE18-1375					Borehole Diameter: 3 "				
Project Name:					Soil Sampling Device: Macro-core				
Address: 85 McCabe Street Dartmouth, MA					Monitoring Well(MW): MW-1				
Field Technician: G. Souza					MW Construction: 1" PVC				
Drilling Contractor: New England GeoTech					Depth to Groundwater: ~ 5 feet				
Drilling Method: Direct Push					Field Screening: Photo-ionization Detector in ppmV as isobutylene				
Borehole Depth: 10 feet					Date: 5/24/19				

Depth (feet)	Sample Collected (feet)	PID (ppmV)	Sample Recovery Rec/Pen	Sample Observed (feet)	Sample Description	Pipe	Fill	MW Construction
0								
			24/60	1-3	Fill, Fine to Medium Sand, some glass, brick and metal			
	2-3	0.4						
				3-5	Organic Soil (peat)			
5								
	5-6	0.0	36/60	5-10	Clay			
10								
					End of Boring - 10'			
15								
20								
25								
30								

Native soil/backfill

Bentonite

Well Screen

Filter Sand

Solid Pipe/Riser

Groundwater Elevation

Notes: Well Screen = 5' - 10'
 Filter Sand = 4' - 10'
 Bentonite = 3' - 4'

[illegible]

[illegible]

[illegible]

ATTACHMENT 3

PRP AUTHORIZATION

August 28, 2018

Massachusetts Department of Environmental Protection
20 Riverside Drive
Lakeville, MA 02347

**RE: 85 McCabe Street
Dartmouth, Massachusetts
Release Tracking No.: 4-27363**

To Whom It May Concern:

In accordance 310 CMR 40.0009(2), I am authorizing SITEC Environmental, Inc. to act as my agent in electronically filing any required Massachusetts Contingency Plan documents for the above referenced release.

Sincerely,



George Verissimo
Terceira Construction