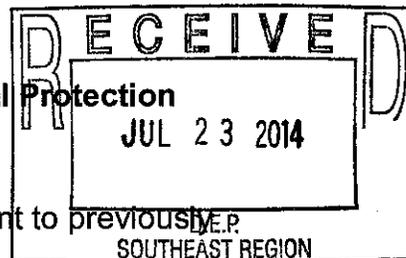


RECEIVED  
BY  
PRIORITY MAIL

Massachusetts Department of Environmental Protection



**Supplemental Transmittal Form**

(to accompany supplemental material or payment to previous DEP submitted DEP permit applications)

<b>1. Transmittal Number</b>	Obtain from the upper right hand corner of the original application's Transmittal Form:
	X260505

<b>2. Facility Information</b>	(a) Facility Name:	(b) Facility Address:
	Old Fall River Road Landfill	452 Old Fall River Road
	(c) Facility Town/City	(d) Telephone Number:
	Dartmouth	508-897-8062

<b>3. Permit Information</b>	(a) Permit Name:	(b) Permit Code: (from original application)
	Initial Site Assessment	BWP SW 12

<b>4. Reason For Supplemental Submission</b>	<input checked="" type="checkbox"/> (a) Response to Request for Additional information	<input type="checkbox"/> (b) Response to Statement of Deficiency
	<input type="checkbox"/> (c) Supplemental Fee Payment	<input type="checkbox"/> (d) Withdrawal of Application
	<input type="checkbox"/> (e) Other (please specify below):	

<b>5. Form Prepared by</b>	(a) Name of individual or firm preparing this submission:	(b) Affiliation with application, i.e. applicant, consultant to applicant:
	SITEC Environmental, Inc.	Consultant
	(c) Contact Name:	(d) Contact Telephone #:
	A. Raymond Quinn	781-319-0100

# SITEC

## ENVIRONMENTAL

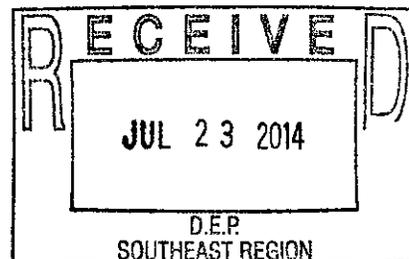
Civil and Environmental Engineering, Land Use  
Planning, Hazardous and Solid Waste Consulting

SITEC ENVIRONMENTAL, Inc.  
769 Plain Street, Unit C  
Marshfield, MA 02050  
Tel. (781) 319-0100 FAX (781) 834-4783

449 Faunce Corner Road  
Dartmouth, MA 02747  
Tel. (508) 998-2125 FAX (508) 998-7554

July 22, 2014

Massachusetts Department of Environmental Protection  
Southeast Regional Office  
Division of Solid Waste Management  
20 Riverside Drive  
Lakeville, MA 02347



Attention: Mark Dakers, Section Chief

Reference: BWP SW12 - Initial Site Assessment  
Boston Environmental Corporation, Transmittal #X260505  
Old Fall River Road Landfill, Dartmouth

Dear Mr. Dakers:

As discussed, we are submitting on behalf of Boston Environmental Corporation (BEC), a Supplemental Submission to the referenced Initial Site Assessment/Comprehensive Site Assessment - Scope of Work (ISA/CSA-SOW). This Supplemental Submission is intended to address issues discussed in letters to the Department from the Dartmouth Select Board (June 13, 2014) and Dartmouth Board of Health (June 20, 2014), as well as our discussions on July 14, 2014.

- The Select Board and Board of Health have recommended that environmental samples be analyzed for additional parameters than those included in *Section 2.5.2 Analytical Protocol* of the ISA/CSA-SOW. For the initial sampling, sediment samples will be analyzed for the additional parameters of SVOCs, pesticides and PCBs. For the first round of groundwater samples, SVOC analysis will be conducted. The need for any additional SVOC analysis will be determined based upon the results of the first round. It is our professional opinion that the soil boring samples do not need to be analyzed for additional parameters other than those described in *Section 2.3.4 Soil Sampling Procedures* and the referenced *Section 2.5.2*. Soil samples will be collected during the installation of monitoring well borings, thus SVOCs should be detected in groundwater samples collected from the wells.
- The Select Board seemed to recommend that additional sediment samples should be taken. Sediment sampling in addition to the three locations identified in the ISA/CSA-SOW may be conducted as the Comprehensive Site Assessment (CSA) and the Corrective Action

Design (CAD) activities progress. Iterations of additional sediment sampling may occur as a result of the proposed sampling for the CSA and as confirmatory sampling is conducted for the proposed waste removal work that is part of the initial CAD activities.

- Both the Select Board and the Board of Health noted that additional private water supply wells, to the 278 existing wells that are identified in the ISA/CSA-SOW, are proposed for installation. None of these wells appears to be in close proximity to the Site.
- BEC has no knowledge that anyone is residing on the property.
- The Board of Health notes that some level of preliminary investigation has identified a potential public water supply location that is over a mile from the site. This comment did not suggest any changes to the ISA/CSA-SOW. Nevertheless, the capping and closure of the Landfill will provide an increased level of protection to groundwater quality from the Landfill.
- The Board of Health notes that the site is located in the Town of Dartmouth's Aquifer Protection District Area III, which is referred to as a Zone III on the Town's Zoning Map. This area was identified on the ISA/CSA-SOW *Figure No. 2, Potential Sensitive Receptors Plan* as "Dartmouth Water Resource Protection District and Zone III". The following replacement text clarifies and updates the Public Drinking Water Supplies subsection of *Section 1.3.4, Potential Environmental and Public Health Sensitive Receptors*.
  - "Public Drinking Water Supplies - Within one mile of the Landfill, there are no public drinking water supply wells, Zone IIs, Interim Wellhead Protection Areas (IWPA), or Zone As of a public surface water supply. The closest known public drinking water supply well is the Town of Dartmouth's Route 6/GP Well No. 4, which is located approximately 2.5 mile to the south of the Landfill. The closest Non-Transient/Non-Community public water supply is located in Westport, approximately 2.9 miles to the southwest of the Landfill. The western portion of the site is located within a medium yield, potentially productive aquifer and within an Area III (3) (Bylaw - Section 20), or Zone III (Zoning Map), of the Dartmouth Water Resource Protection District. There had been an IWPA for a public water supply well on the Gosselin Landscape Supply lot, when there was a restaurant on that property. That well has since been declassified by MassDEP as a public water supply well. See Figure No. 2, *Potential Sensitive Receptors Plan* in Appendix B."
- Per our discussion, we will sample monitoring well MW-5 during the first round of sampling and will make a recommendation in the Interim Report, of whether to resample that well during the remaining CSA sampling events.
- The ISA/CSA-SOW, includes a proposal to install up to 25 temporary soil gas survey probes around the perimeter of the Landfill, to determine if there is gas migration from the Landfill. Per our discussions, it is unlikely that there will be landfill gas migration beyond the

Mr. Mark Dakers  
July 22, 2014  
Page 3

perennial stream that flows around three sides of the Landfill. Consequently we are going to eliminate the installation of the soil gas probes where the perennial stream is adjacent to the Landfill. We will focus the soil gas investigations in the upland area to the south of the Landfill and the gas pipeline easement.

If you have any questions on this matter, please do not hesitate to contact us.

Very truly yours,

SITEC Environmental, Inc.

A handwritten signature in cursive script, appearing to read "A. Raymond Quinn".

A. Raymond Quinn, P.E., L.S.P.  
Director of Engineering Services

cc: Andrew W. Daniels, Boston Environmental Corporation