

RELEASE ABATEMENT MEASURE STATUS REPORT

SOIL EXCAVATION AND REMOVAL

**NEW BEDFORD HIGH SCHOOL
NEW BEDFORD, MASSACHUSETTS**

Release Tracking Number 4-15685

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TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	RELEASE ABATEMENT MEASURE STATUS REPORT (310 CMR 40.0445)	3
2.1	The Status of Response Operations	3
2.2	Significant New Site Information or Data	11
2.3	Details of and/or Plans for the Management of Remediation Waste, Remedial Wastewater, and/or Remedial Additives.....	15
2.4	Other Necessary Information.....	16
2.5	LSP Opinion.....	17
3.0	REFERENCES	18

TABLES

Table 1	Summary of DustTrak™ Data – August 1, 2011 through January 5, 2012
Table 2	Summary of Weather Data – August 1, 2011 through January 5, 2012
Table 3	Summary of Analytical Results for Tree Composite Samples
Table 4	Summary of the Analytical Results for Supplemental HB-22 Investigation Soil Samples
Table 5	Summary of Analytical Results for Supplemental HS-8 Investigation Soil Samples
Table 6	Summary of Analytical Results for Stockpile Characterization Samples

FIGURES

Figure 1	Site Location Map
Figure 2	Supplemental HS-8 Investigation Soil Boring Locations
Figure 3	HB-22 Soil Sample Locations and Excavation Area
Figure 4	Approximate Tree Composite Soil Sample Locations
Figure 5	Tree TI-3 Delineation Locations

APPENDICES

Appendix A	Dust Monitoring Data and Field Forms
Appendix B	Photograph Log
Appendix C	Bill-of-Lading, Attestation of Completion and Manifest Documentation
Appendix D	Soil Excavation Overview
Appendix E	Soil Boring and Soil Sampling Logs
Appendix F	Laboratory Data Packages
Appendix G	Clean Harbors Environmental Services Soil Stabilization Work Plan

1.0 INTRODUCTION

TRC Environmental Corporation (TRC) is submitting this Release Abatement Measure Status Report (RAM Status Report) to the Massachusetts Department of Environmental Protection (MassDEP) on behalf of the City of New Bedford (City) per 310 CMR 40.0445 of the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000). This RAM Status Report describes impacted soil removal and site restoration activities conducted to date at the New Bedford High School (NBHS) Campus (“the Site”), under a RAM Plan submitted to MassDEP on April 6, 2011 (TRC, 2011a) and conditionally approved by MassDEP on April 15, 2011. Additional activities were proposed in the RAM Plan Modification (TRC, 2011b) submitted to MassDEP on July 22, 2011 and conditionally approved on August 1, 2011. The soil removal activities performed during this reporting period (August 1, 2011 through January 5, 2012) include:

- Soil Excavation –
 - Continued excavation of soils that contribute to exposure point concentrations (EPCs) in excess of MCP Method 1/Method 2 S-1 soil cleanup standards;
 - Excavation in support of subsurface stormwater retention structure installation within the Flagpole Island area;
 - Spot excavation of dioxin impacted soil material in the vicinity of HB-22 as a minor modification to the RAM Plan;
- Soil Management –
 - Temporary soil stockpiling, treatment (as needed) and soil stockpile management at the City’s Shawmut Avenue Transfer Station (Transfer Station);
 - Laboratory analytical characterization of segregated soil and tree stump stockpile materials in support of treatment and/or off-site disposal; and
 - Off-site transportation and disposal of impacted soil at appropriately licensed disposal facilities.
- Other Remedial Actions/Evaluations –
 - Backfilling of the remedial excavations with appropriately documented clean fill material screened in advance for the presence of regulated chemicals as part of site restoration;
 - Installation of paving in select areas to prevent direct contact exposure to impacted soil, and excavation and grading of soil in support thereof;
 - Installation, inspection and maintenance of erosion and sediment controls per the Stormwater Pollution Prevention Plan (SWPPP):

- Evaluation of supplemental soil investigation analytical data associated with Exposure Point (EP) HS-8;
- Laboratory analysis of tree root zone soils in support of risk characterization;

The NBHS Campus is a portion of the disposal site managed under the MCP and tracked by MassDEP under Release Tracking Number (RTN) 4-15685. Response actions at the Site are conducted under a MCP Special Project Designation Permit (310 CMR 40.0060) that has been established for RTN 4-15685 and other related RTNs. A Site location map is provided as Figure 1. Additional information about this site contained in MCP filings prepared by TRC is available in several references noted herein.

This RAM Status Report is organized as follows: Section 1.0 (Introduction) briefly summarizes information pertaining to RAM-related activities. Section 2.0 (RAM Status Report) provides the information required for a RAM Status Report per the MCP (310 CMR 40.0445). Section 3.0 (References) lists information sources relied upon in the preparation of this RAM Status Report.

Appendix A contains the dust monitoring data and forms associated with environmental oversight activities. Appendix B contains a photograph log depicting RAM-related activities conducted during this reporting period. Appendix C contains the Bill of Lading (BOL), BOL Attestation of Completion and manifest documents. Appendix D contains an overview of the soil excavation areas. Appendix E contains soil boring and soil sampling logs. Appendix F contains laboratory data packages for data generated under this RAM.

2.0 RELEASE ABATEMENT MEASURE STATUS REPORT (310 CMR 40.0445)

This RAM Status Report is organized according to the information needs set forth under 310 CMR 40.0445(2)(a) through (e) of the MCP.

2.1 The Status of Response Operations

The following RAM-related activities took place during this reporting period:

- **Excavation** – Excavation of impacted soil, including spot excavation HB-22 as a MassDEP approved minor modification to the RAM Plan, that contributes to EPCs in excess of MCP Method 1/Method 2 S-1 soil standards in the top three feet in landscaped areas and the top 1-foot in areas excavated in preparation for paving.
- **Paving** – The use of paving in select areas to prevent direct contact exposure to impacted soil, and excavation and grading of soil in support thereof.
- **Drainage Structures** – In Exposure Point Area HS-5 (Flag Pole Area), subsurface stormwater retention structures were installed to abate peak runoff volumes.
- **Existing Stands of Trees** – In areas to be paved and excavations where trees were located, the trees remained in place and the soils surrounding the trees and root system were excavated to a depth of three feet. Following soil removal, the remaining root zone soil was sampled for laboratory analysis in support of risk characterization.
- **Stormwater Management** - Installation, inspection and maintenance of erosion and sediment controls per the SWPPP.
- **Soil Management** – Temporary soil stockpiling and stockpile management at the off-site City-owned Transfer Station prior to as needed characterization, stabilization, and disposal.
- **Restoration** - Backfilling of soil excavations with documented contaminant-free fill material screened in advance for the presence of regulated chemicals followed by grading and seeding.
- **Stockpile Characterization** – Laboratory analytical characterization of segregated soil and tree stump stockpile materials in support of treatment and/or off-site disposal at appropriately licensed facilities.
- **Stockpile Treatment** – Stabilization of Stockpile C lead-impacted soil material by Clean Harbors Environmental Services, Incorporated (CHES) using Enviroblend[®] stabilization agent.
- **Disposal** – Off-site transportation and disposal of laboratory characterized segregated soil for reuse, recycling or disposal.

Prior RAM-related activities were described in the RAM Status Report submitted to MassDEP on August 5, 2011 (TRC, 2011c). During this reporting period, remedial activities took place

intermittently between August 1, 2011 and January 5, 2012. TRC provided professional environmental field oversight and conducted environmental monitoring including meteorological monitoring, dust monitoring and volatile organic compound (VOC) field screening with a photoionization detector (PID) during soil excavation, stockpiling and stockpile management activities. Dust monitoring field logs and data can be found in Appendix A. A summary of the dust monitoring results collected during this reporting period is included as Table 1. A summary of the meteorological monitoring results is included as Table 2. A representative photograph log of RAM activities conducted during this reporting period is also included as Appendix B.

Spot excavation and temporary soil stockpiling activities were completed in July 2011 and are described in the previous RAM Status Report submitted to MassDEP on August 5, 2011 (TRC, 2011c). Following completion of the shipment of spot excavation soil material to the Transfer Station for temporary storage, a BOL Attestation of Completion was submitted to MassDEP on July 21, 2011. A copy of the BOL Attestation of Completion associated with the transportation of spot excavation soil material to the Transfer Station is included in Appendix C.

In accordance with the MassDEP approved RAM Plan Modification, prior to the excavation of additional areas targeted for removal of soil, the entire northern portion of the Site was secured with a temporary chain link fence to prevent unauthorized vehicle and pedestrian traffic from entering the work area.

Excavation activities continued starting in the southern portion of the Site on August 9, 2011 and continued intermittently, based on site access provided by the New Bedford Public Schools department, through October 15, 2011. Areas targeted for soil removal and/or installation of pavement as exposure barriers included a Southern Island adjacent to the bus yard located on Parker Street, the Flagpole and Sign Islands, Triangle Island and select Northern Areas (West and Mid) containing trees (see Appendix D). One additional spot excavation (HB-22) was also targeted for removal as described below. Excavation activities were scheduled during after-school weekday periods, weekends and holidays so as to minimize the amount of work conducted while school was in session or other school activities were taking place. Excavation activities were conducted as indicated in the following table:

Excavation Summary Table		
Excavation Dates⁽¹⁾	Excavation Location	Approximate Volume (yd³)
8/9/2011 – 8/12/2011	Southern Island	230
8/15/2011 – 8/25/2011	Triangle Island	1,038
8/11/2011 – 8/23/2011	Northern Area (West)	1,366
8/15/2011 – 8/24/2011	Northern Area (Mid)	728
9/10/2011 - 9/22/2011	Flagpole and Sign Islands	2,299
12/17/2011	Spot Excavation HB-22	3
		Total: 5,664 yd³

Notes:

yd³ – cubic yards as measured in-situ

(1) - Dates indicate duration of excavation activities only. Excavation activities may have occurred discontinuously and site restoration and/or additional RAM-related construction activities may have occurred outside the indicated date ranges.

Throughout the implementation of excavation activities, soil was removed and loaded by the City's Department of Public Infrastructure (DPI) directly into City-owned trucks. DPI-supplied equipment (e.g., CAT 315B excavator and Deere 624E loader) were used throughout implementation of the RAM Plan excavation activities. Paved surfaces traversed by DPI in the course of remedial activities were regularly maintained with a DPI-supplied Elgin Pelican[®] street sweeper. To prevent uncontrolled off-site transport of potentially impacted materials, the loaded trucks were visually inspected to ensure no visible soil materials were present on the body or tires of the vehicles prior to leaving the work zone. Soil loads were covered and trucks traveled the pre-determined route to the Transfer Station under a MassDEP BOL. A copy of the BOL is included in Appendix C.

Trucks were weighed upon entry at the Transfer Station scale house and soil was segregated into predetermined stockpiles based on the in-situ chemical results and estimated off-site disposal scenarios. Daily inspection and maintenance of the soil stockpiles was performed by DPI, and TRC routinely inspected the stockpile containment and perimeter stormwater control measures during periods of prolonged inactivity as an additional check.

Excavation in Support of Paving

Excavations in support of expansion of paved surfaces to serve as exposure barriers to underlying impacted soils (e.g., Southern Island, Triangle Island and Flagpole and Sign Islands) were completed to a minimum depth of approximately 9 to 12-inches in preparation for paving. Upon completion of the excavation, gravel sub-base was spread throughout the excavation and compacted with a vibratory roller. Paving activities were conducted by P.A. Landers of Hanover, Massachusetts.

Southern Border & Triangle Island

Paving of the Southern Island and Triangle Island, with the exception of areas surrounding the existing trees not targeted for removal as described below, included placement of approximately three inches of asphalt in two courses (1.5-inches of binder course and 1.5-inches of surface course). Details of excavation limits in these areas are identified on the drawing provided as Appendix D.

Flagpole and Sign Islands

Paving of the center portion of the Flagpole and the entire Sign Island areas consisted of the placement of a single course of approximately four inches of concrete, including portions completed with architectural (colored) concrete (see Appendix B of the RAM Plan Modification).

Prior to paving activities, the western portion of the Flagpole Island area was excavated to support the installation of drainage/retention structures (see Appendix B of the RAM Plan Modification). This portion of the Flagpole Island was excavated to a depth of approximately 4 to 5.5 feet below grade and Recharger[®] 150HD chambers manufactured by Cultec, Incorporated (Cultec) of Brookfield, Connecticut were installed by DPI. Additional structures (e.g., catch basins, drainage piping, electrical conduits, etc.) were also installed during restoration of the

Flagpole and Sign Island infrastructure. Crushed stone was placed around the Cultec chambers and backfill material was spread throughout the excavation in approximately 12-inch lifts and compacted continuously with a remote controlled Wacker Neuson RT Trench Roller. Backfilling with imported borrow continued until the excavation was brought up to approximately 6-inches below grade to allow for placement of documented clean imported loam, and subsequent re-seeding.

A triangular area in the eastern portion of the Flagpole Island was excavated to a depth of three feet to support replacement of the existing memorial trees (see Appendix D). Following soil removal, documented clean backfill was loaded directly into the open excavations. The backfill material was spread throughout the excavation in approximately 12-inch lifts and compacted continuously with a remote controlled Wacker Neuson RT Trench Roller. Backfilling with imported borrow continued until the excavation was brought up to approximately 6-inches below grade to allow for placement of documented clean imported loam, and subsequent re-seeding.

Consideration of Existing Trees

To facilitate previously reported spot excavation activities conducted in April and May 2011, a total of nine trees were removed from spot excavation locations (TRC, 2011c). The tree stumps were transported by DPI to the Transfer Station and segregated on polyethylene sheeting pending off-site disposal. Due to the City's desire to keep prominent trees within additional excavation locations, no additional healthy trees were removed after May 21, 2011. Tree-related removals that did occur after May 21, 2011 were a poor condition tree in the South Border Area, two stumps that were present in the Triangle Island area, and four poor condition memorial trees on the Flagpole Island. Tree health was independently evaluated by a City-procured arborist.

Considerations for the remaining trees with the potential to be impacted by remedial activities set forth in the RAM Plan were included in the MassDEP approved RAM Plan Modification and included the following:

- **Areas targeted for paving** – In the areas to be paved where trees are located, the trees remain in place and the soils surrounding the trees and root systems were excavated to a depth of three feet; and
- **Areas targeted for excavation** – In the remaining excavations where trees are located, the trees remain in place and the soils surrounding the trees and roots systems were excavated to a depth of three feet.

Following soil removal from spot excavations HB-23 and HF-43, the remaining soil in the vicinity of the two remaining tree trunks (one tree per spot excavation) was sampled for laboratory analysis in support of risk characterization as described in the previous RAM Status Report (TRC, 2011c). Composite samples HF-43 NW/NE/SW/SE (0-1) and HF-43 NW/NE/SW/SE (1-3) were collected on July 11, 2011 for laboratory analysis of chromium, lead and polychlorinated biphenyls (PCBs). Composite samples HB-23 E/N/W (0-1) and HB-23 E/N/W (1-3) were collected on July 13, 2011 for laboratory analysis of barium, chromium, lead and PCBs. A summary of the laboratory analytical results are presented in Table 3.

Soils surrounding the trees and dense root system were excavated to a depth of three feet in additional areas targeted for soil removal where trees were located (i.e., Northern Area – West and Mid). Soil was excavated to a depth of three feet within an approximately 20-foot radius of trees in additional excavation areas targeted for paving where trees are located (i.e., Triangle Island). The actual size of the radius was developed in consultation with an arborist and was dependent on the size, health and species of the tree. Generally, the radius (in feet) was equivalent to the diameter of the associated tree trunk (in inches). The radial excavation provides an unpaved buffer to promote the future health of the trees, while supporting the risk-based remedial goal of a Condition of No Significant Risk.

With the exception of the dense root mass closer to the tree trunk, soil in the vicinity of the trees was excavated to a depth of three feet using a DPI-supplied excavator and hand tools. Initially, a water lance was used to remove remaining soil surrounding the root system, while preserving the major roots. Water generated during the use of the water lance was allowed to infiltrate within the excavated area and soil collected from the bottom of the excavation associated with the root washing operation was removed and managed with other excavated soil. However, during HF-43 spot excavation activities, it became clear that DPI would not be able to adequately replace the soil that was removed from the root mass using the water lance. As a result, DPI began marking out an approximately 8-foot radius from the tree trunks and proceeding with excavation using heavy equipment outside of this radius. Soil within the dense root system was left in place due to the impracticality of removing the soil without threatening to permanently damage the integrity of the tree. The tree trunk and dense root system effectively act to prevent direct contact exposure to potentially impacted soil remaining in place and confirmatory samples were collected in support of risk characterization as described in Section 2.2 below.

Documented clean backfill was loaded directly into the open excavations. The backfill material was spread throughout the excavation in approximately 12-inch lifts and compacted continuously with a remote controlled Wacker Neuson RT Trench Roller. Backfilling with imported borrow continued until the excavation was brought up to approximately 6-inches below grade to allow for placement of documented clean imported loam, and subsequent re-seeding.

With the exception of RAM-related activities in the Solar Park proposed to be located in HS-8 (discussed below), completion of paving and restoration activities at the Flagpole and Sign Islands marked the completion of excavation activities approved under the RAM Plan Modification (TRC, 2011b). The remaining temporary fencing was subsequently removed.

Spot Excavation HB-22

An investigation of dioxin in soil at the NBHS campus was conducted in April 2010 as an initial step in an iterative approach to the evaluation of dioxin in soil. The results of the April 2010 dioxin compound sampling were provided in the July 6, 2010 memorandum explaining the Toxic Equivalent or TEQ approach unique to expressing environmental data for dioxins, furans, and PCB compounds that exhibit dioxin-like toxicity.

In a January 13, 2011 letter to the City, the MassDEP acknowledged that the technical approach utilized for the April 2010 soil sampling for dioxin compounds was designed to capture the worst-case conditions. However, MassDEP suggested further sampling at locations where

dioxin precursors may be present, as well as where exposure potential is likely to support additional quantification of risk.

In response to the MassDEP letter, supplemental soil sampling for dioxin compounds at NBHS was conducted between June 7 and 10, 2011, for polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs), as well as PCB Congeners. The sampling locations included previous sample locations estimated as worst case scenarios based on a review of all soil data collected, and locations that provided data that are representative of potential exposures across the NBHS Campus. The results were summarized in a memorandum entitled *Summary of June 2011 New Bedford High School Dioxin and PCB Congener Soil Sampling Results and Explanation of Dioxin Toxic Equivalents (TEQs)* dated September 22, 2011.

The sum of dioxin-like PCB Congeners TEQs and dioxin TEQs (collectively, the “TEQ Summation”) for samples collected at the NBHS campus generally ranged from 20.7 picograms per gram (pg/g) (SB-362) to 300.88 pg/g (HG-2). The TEQ Summation for the 1 to 3 foot depth interval at soil boring HB-22 was 1,575 pg/g. Due to the calculated TEQ Summation for HB-22 (1-3), under a site-specific Method 3 risk characterization approach, the sum of dioxin-like PCB Congeners TEQs and dioxin TEQs were not associated with No Significant Risk for the 1 to 3 foot depth interval. Further remedial action (i.e., soil removal) was required to achieve a condition of No Significant Risk for the NBHS Campus.

An additional investigation of PCDFs and PCDDs in the vicinity of HB-22 was described in the *Proposed HB-22 Dioxin Sampling Technical Approach* memorandum dated October 12, 2011. The proposed approach was designed to delineate the lateral extent of dioxin impacts in the vicinity of soil boring HB-22.

Supplemental soil sampling activities were conducted on October 20, 2011. A total of four soil samples (HB-22A through HB-22D) from the 1 to 3 foot depth interval (plus one duplicate analysis) were analyzed by Cape Fear Analytical, LLC (Cape Fear) of Wilmington, North Carolina for chlorinated dioxin/dibenzofuran congeners (SW-846 Method 8290) in support of risk assessment and remedial planning. The soil boring locations, including contingency soil borings, are depicted on Figure 3. Soil boring logs are provided in Appendix E.

Upon receipt, a quality assurance review of the laboratory analytical data report was initiated by TRC’s Senior Chemist. The calculated TEQ Summations for the supplemental soil samples ranged from 6.74 pg/g (HB-22A) to 813.13 pg/g (HB-22C). The supplemental soil sampling analytical results are presented in Table 4.

Based on the supplemental analytical results and per the conditional approval of the RAM Plan Modification, MassDEP was notified on of the proposed risk-based spot excavation activities to remove dioxin-impacted soil material in the vicinity of HB-22. The proposed excavation activities were approved by MassDEP as a minor modification to the RAM Plan on December 13, 2011.

Land Planning located and pre-marked the risk-based excavation limits (i.e., soil boring locations HB-22A through HB-22D) on December 13, 2011. The approximate location and extents of the

excavation activities is included on Figure 3. A Dig-Safe® notification was also initiated by the City's DPI on December 13, 2011.

On December 17, 2011, personnel from TRC and the City's DPI mobilized to the Site to implement and oversee the HB-22 spot excavation activities. As the Site generally exhibits a flat topography, and there are no catch basins located in the vicinity of the excavation, the use of sedimentation and erosion control measures were not implemented based on field observations.

The City's DPI performed all soil excavation activities. DPI-supplied equipment (e.g., Deere backhoe and Deere 544J loader) were used throughout implementation of the excavation and backfilling activities. Triumvirate Environmental, Incorporated (TEI) of Somerville, Massachusetts was contracted by the City to facilitate off-site transportation and disposal of the soil material. The impacted soil was directly loaded into a total of four lined cubic yard boxes and one 85 gallon overpack. The cubic yard boxes were staged on wooden pallets underlain by polyethylene sheeting during soil loading activities. Each cubic yard box and the overpack were subsequently loaded onto a TEI truck and transported off site under a non-hazardous waste manifest (see Appendix C). The material was shipped to the TEI facility in Lowell, Massachusetts for disposal.

Backfilling commenced with the placement of documented clean imported borrow material. The backfill was placed in the excavation and brought up on approximately level twelve inch lifts. Each lift of material was mechanically compacted so as to secure a dense, stable and thoroughly compacted mass using a mechanical compactor. Backfilling with imported borrow continued until the excavation was brought up approximately 6-inches below grade to allow for placement of documented clean imported loam, and subsequent re-seeding. Backfilling with imported loam was also completed on December 17, 2011 using a front-end loader, bringing the excavation up to final grade. Reseeding is anticipated to be completed in Spring 2012.

TRC provided professional field oversight and conducted dust monitoring and VOC field screening with a calibrated PID during soil excavation, removal/hauling and backfilling activities, as described below and elsewhere herein.

Risk Reduction Measures in Exposure Point HS-8

Proposed Solar Park

A future Solar Park is proposed for the area between the two northern student parking lots (EP HS-8). Based on the risk characterization, this area was proposed for RAM activities to prevent direct contact exposure to impacted soil by risk reduction measures.

Risk reduction measures proposed in the RAM Plan Modification (TRC, 2011b) included covering the surface with geotextile fabric, placement of a protective layer of six inches of crushed stone to prevent fugitive dust generation and surrounding the area with an eight-foot high chain link security fence to protect against both current and future direct contact exposures in the low-occupancy Solar Park area. Soil immediately adjacent to and inside the new fence would be graded to approximately six inches in order to support the application of cover material that would not rest against the fence. Depending on the final footprint of the solar park,

additional excavation and disposal of soil from perimeter buffer zone areas may be performed. The proposed Solar Park area, as presently conceived, is depicted in the drawing presented as Appendix D. The Solar Park configuration is subject to change.

An area in the northeast corner of EP HS-8, north of the existing parking lot will likely remain undisturbed as data in this area indicates a condition of No Significant Risk currently exists in the top three feet of soil (i.e., no concentrations exceed Method 1 S-1 soil standards).

The City and operation and maintenance lessee are currently evaluating design options and constraints associated with the construction of the Solar Park. Per the conditional approval, the City will notify MassDEP if construction consistent with the currently approved RAM Plan Modification is scheduled. Additional modifications to the proposed remedial activities in EP HS-8 will be the subject of future regulatory notification(s) and/or submittal(s).

Supplemental Soil Investigation

In a continued effort to minimize the number of trees targeted for removal during RAM excavation activities, a limited supplemental soil investigation was conducted within the southeast corner of EP HS-8, near the existing northeast parking lot (Figure 2). The soil investigation focused on a small portion of EP HS-8 containing three trees that was previously targeted for soil removal to a depth of 3-feet as described in the previous RAM Status Report (TRC, 2011c).

A summary of the laboratory analytical results is provided as Table 5. Based on the supplemental analytical results, the limited area south of the parking lot will likely remain undisturbed as the data indicates a condition of No Significant Risk currently existing in the top three feet of soil (i.e., no concentrations exceed Method 1 S-1 soil standards). Soil sampling logs are included in Appendix E. The laboratory data reports are included in Appendix F.

Stormwater Management

During the RAM-related remedial activities, various areas on the property were disturbed to remove impacted soil and to complete site grading. Given that the cumulative area of disturbed soil was greater than one acre, a SWPPP was prepared and submitted to the United States Environmental Protection Agency (EPA) and the New Bedford Conservation Commission. A copy of the SWPPP was included as Appendix C of the RAM Plan Modification (TRC, 2011b). In addition, the Massachusetts Stormwater Management Guidelines were met to the maximum extent practicable.

Erosion and sediment control features, including a silt fence and straw bale filters around catch basins in the vicinity of the work, were installed prior to and maintained throughout construction activities. In addition, construction of the final site grades provides for positive drainage of storm water runoff from new surfaces with pavement and grass covering to the existing subsurface drainage systems. Installation of the Cultec chambers serves to provide adequate runoff retention such that there is no significant increase in site-wide peak discharges to the receiving drainage systems due to the increase in impervious surfaces.

TRC regularly inspected the disturbed areas of the Site that had not yet been permanently stabilized, areas used for storage of materials that were exposed to precipitation, erosion and sediment control measures, and locations where vehicles entered and/or exited the Site in accordance with the SWPPP. Following inspections, corrective actions were implemented as needed. Completed inspection forms and corrective action logs have been maintained in accordance with the SWPPP.

2.2 Significant New Site Information or Data

Investigatory activities were largely performed in advance of RAM-related activities. However, limited supplemental investigation activities were conducted during the execution of the RAM, as described below and elsewhere herein. Soil stockpile characterization continued and off-site transportation for disposal was initiated during this reporting period.

Tree Root Zone Soil Sampling

Following soil removal from spot excavations HB-23 and HF-43, the Triangle Island and Northern Area (West and Mid) excavations, the undisturbed soil in the vicinity of the eleven remaining trees was sampled for laboratory analysis in support of risk characterization. Composite sidewall samples within the 0 to 1-foot and 1 to 3-foot depth intervals were collected from unexcavated soil in each location. The following table summarizes composite samples collected and the associated laboratory analyses performed from the eleven trees:

Tree Root Zone Soil Sample Summary Table			
Excavation Area	Sample Date	Sample ID⁽¹⁾	Analyses⁽²⁾
Spot Excavation HF-43	7/11/2011 ⁽³⁾	HF-43 NW/NE/SW/SE	PCBs, Chromium and Lead
Spot Excavation HB-23	7/13/2011 ⁽³⁾	HB-23 E/N/W	PCBs, Chromium and Lead
Triangle Island	8/22/2011	Tree-TI-1	PCBs and Targeted Metals
Hathaway Boulevard Strip	8/23/2011	Tree-HS-1	PCBs and Targeted Metals
Hathaway Boulevard Strip	8/23/2011	Tree-HS-2	PCBs and Targeted Metals
Hathaway Boulevard Strip	8/23/2011	Tree-HS-3	PCBs and Targeted Metals
Hathaway Boulevard Strip	8/23/2011	Tree-HS-4	PCBs and Targeted Metals
Divided Strip	8/24/2011	Tree-DS-1	PCBs and Targeted Metals
Divided Strip	8/24/2011	Tree-DS-2	PCBs and Targeted Metals
Triangle Island	8/25/2011	Tree-TI-2	PCBs and Targeted Metals
Triangle Island	8/25/2011	Tree TI-3	PCBs and Targeted Metals

Notes

- (1) All samples collected from the 0-1 and 1-3 foot depth intervals.
- (2) Targeted metals included arsenic, barium, cadmium, chromium and lead.
- (3) Samples collected during the previous reporting period, however the analytical results associated with these samples were not available prior to submittal of the previous RAM Status Report and therefore are discussed herein (TRC, 2011c).

Each of the soil samples was submitted to Con-Test Analytical Laboratory (Con-Test) for laboratory analysis of PCBs and select metals (arsenic, barium, cadmium, chromium and/or lead). The laboratory analytical results will support post-remediation risk characterization.

A summary of the laboratory analytical results are presented in Table 3. Laboratory analytical data packages have been included in Appendix F. Sample locations have been identified on Figure 4.

Tree TI-3 Sampling

Initial laboratory results from composite soil sample TREE-TI-3 (0-1) indicated a total PCB Aroclor concentration of 100 milligrams per kilogram (mg/kg) in the top foot of soil (see Figure 2). The detected concentration of PCBs was greater than the reporting thresholds set forth in 310 CMR 0321(2)(b) of the MCP. Therefore, on September 6, 2011, the condition was reported to the MassDEP via telephone by TRC and the City. MassDEP orally approved IRA assessment activities and assigned RTN 4-23526 on September 6, 2011. In addition, the EPA Region 1 PCB Coordinator was notified of the initial detection via teleconference on September 6, 2011.

Based on the September 6, 2011 teleconference with the EPA Region 1 PCB Coordinator and following oral approval of additional assessment activities by MassDEP, a quality assurance review of the laboratory analytical data reports was initiated by TRC's Senior Chemist, supplemental assessment was conducted and an Imminent Hazard (IH) evaluation was initiated within 14 days of obtaining knowledge of the reporting condition (TRC, 2011d).

As detailed in the Immediate Response Action (IRA) Completion Report associated with the Triangle Island TI-3 Area and dated November 2, 2011 (TRC, 2011d), following receipt of a revised laboratory analytical data report associated with soil composite sample TREE-TI-3 and the delineation soil samples results representing the original northern, eastern, southern and western grab aliquots, TRC reported the results via electronic mail to the EPA Region 1 PCB Coordinator on October 6, 2011. On October 28, 2011, TRC issued a clarification letter to EPA summarizing the discovery, correction and issuance of a revised PCB Aroclor result of 20 mg/kg for composite soil sample TREE-TI-3 (0-1). In addition, the letter summarized the results of supplemental investigation activities in support of a determination that the soil associated with the Triangle Island TI-3 root mass does not represent a PCB Remediation Waste as defined in 40 CFR §761.3 and does not require EPA regulation under TSCA.

No IH condition exists at the Triangle Island TI-3 area of the NBHS Campus. The estimated cancer risk and noncarcinogenic hazard for the young child recreational user do not exceed the MCP risk limits for an IH of a Hazard Index (HI) of 10 and an Estimated Lifetime Cancer Risk (ELCR) of 1E-05.

Stockpile Characterization

Soil Characterization

Excavated soils were segregated based on existing insitu laboratory analytical data pending stockpile characterization, treatment (as needed) and transportation off site for reuse, recycling and/or disposal at a suitable facility. Soil stockpile characterization sampling occurred concurrently with excavation activities. As described in the RAM Status Report dated August 2011 (TRC, 2011c), characterization sampling was conducted for Stockpiles A, B, C and D

during the prior reporting period. Additional stockpile characterization activities were conducted as described below.

Soil stockpile characterization samples were collected from the a total of five additional segregated stockpiles (Stockpiles A2, B2, B3, D2 and D3) at the Transfer Station in accordance with the requirements of anticipated disposal facilities and MassDEP guidance (e.g., COMM-97-001). Soils excavated from the Southern Island, Triangle Island, Northern Area - West, Northern Area - Mid, and Flagpole and Sign Islands were segregated and sampled as indicated in the table below.

Stockpile Characterization Sample Summary Table				
Excavation Location	Sample Date(s)	Stockpile ID	Number of Composite Samples	Sample Identification Number(s)
Spot Excavations	7/12/2011 ⁽¹⁾	A	4	STKP-A-1 through 4
	8/15/2011			STKP-A-TPH-E and STKP-A-TPH-W
Spot Excavations	7/13/2011 ⁽¹⁾	B	4	STKP-B-1 through 4
Spot Excavations	7/12/2011 ⁽¹⁾	C	3	STKP-C-1
	8/9/2011			STKP-C-2 and STKP-C-3
	8/17/2011 ⁽²⁾			A-1 through A-3
	8/25/2011			STKP-CT-1 and STKP-CT-2
Spot Excavations	6/30/2011 ⁽¹⁾	D	1	STKP-D-1
Northern Area (Mid)	8/22/2011	A2	5	STKP-A2-1 through STKP-A2-3
	8/23/2011			STKP-A2-4
	8/25/2011			STKP-A2-5
Southern Border	8/15/2011	B2	2	STKP-B2-1 and STKP-B2-2
Northern Area (West) & Triangle Island	8/17/2011	B3	16	STKP-B3-1 through 5
	8/19/2011			STKP-B3-6 through 9
	8/25/2011			STKP-B3-10 through 16
Flagpole & Sign Islands	9/26/2011	D2	10	STKP-D2-1 through 4
	9/27/2011			STKP-D2-5 through 7
	9/28/2011			STKP-D2-8 through 10
Flagpole & Sign Islands	9/30/2011	D3	14	STKP-D3-1 through 4
	10/14/2011			STKP-D3-5 through 9
	10/17/2011			STKP-D3-10 through 14

Notes:

- (1) Sample collected during previous reporting period, however the analytical results associated with these samples were not available prior to submittal of the previous RAM Status Report (TRC, 2011c)
- (2) Samples collected by Clean Harbors Environmental Services, Inc.

For characterization purposes, composite soil sampling consisted of the collection of samples from eight representative locations within each of the stockpiles or each section of the stockpile if multiple composite samples were required. The eight representative aliquots were composited by mixing in a stainless steel bowl and placed directly into laboratory supplied glassware. Grab soil samples were collected for the VOC analyses. In anticipation of the acceptance requirements of the disposal facilities, select stockpiles were subdivided and multiple composite samples were collected.

All samples collected by TRC were submitted to Con-Test for laboratory analysis of Resource Conservation and Recovery Act (RCRA) eight metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), VOCs (grab sample), semivolatile organic compounds (SVOCs), PCBs, Pesticides/Herbicides, Ignitability, Corrosivity, Reactive Sulfide and/or Reactive Cyanide. Additional sample volume was held by the laboratory for potential Toxicity Characteristic Leaching Procedure (TCLP) metals analyses pending receipt of the total metals results. Post-treatment soil characterization samples collected from Stockpile C by CHES were analyzed by GeoLabs, Incorporated of Braintree, Massachusetts. These samples were only analyzed for TCLP lead.

A summary of the stockpile characterization analytical results is included as Table 6. Laboratory analytical data packages have been included in Appendix F.

Tree Root/Stump Characterization

Tree stumps and associated roots removed during excavation activities were segregated at the Transfer Station pending off-site disposal at a suitable facility. To facilitate off-site disposal of approximately sixteen (16) tree stumps, characterization samples were collected on December 30, 2011 to supplement the existing analytical data associated with the excavated soil material surrounding the stumps.

Using a handheld drill fitted with a decontaminated wood bit, wood material was removed from the upper approximately 1 to 1.5-inches of the tree roots. The chipped wood material was collected from a total of twelve (12) tree stumps, homogenized in a decontaminated stainless-steel bowl and placed directly in laboratory supplied containers.

Similarly, soil material adhered to the roots was collected from a total of twelve (12) tree stumps. The soil was homogenized in a decontaminated stainless-steel bowl and placed directly into laboratory supplied containers.

The twelve point composite wood and soil samples were submitted to Con-Test for further compositing and laboratory analysis. Upon receipt, Con-Test combined the wood and soil material at a 90:10 proportion (wood:soil) by weight to create a representative composite sample of the material targeted for off-site disposal. The sample was analyzed for total lead. Additional sample volume was held by the laboratory for potential TCLP lead analysis pending receipt of the total lead result.

The result of the wood:soil composite sample indicated a total lead concentration of 66 mg/kg. A summary of the stockpile characterization analytical results is included as Table 6. Laboratory analytical data packages have been included in Appendix F. Pending facility approval, the tree stump and associated soil material will be transported off-site for disposal.

2.3 Details of and/or Plans for the Management of Remediation Waste, Remedial Wastewater, and/or Remedial Additives

Remediation waste generated to date during the course of this RAM Plan has been excavated, transported from the Site for temporary off-site management, and permanently shipped off site as described herein. Excavated soil was stockpiled on polyethylene sheeting and was securely covered at the Transfer Station pending reuse, recycling and/or disposal determinations. Stockpile characterization samples were collected prior to transportation off-site as described above and reported in the prior RAM Status Report (TRC, 2011c).

The City contracted CHES to facilitate as-needed treatment, off-site transportation and appropriate reuse, recycling and/or disposal at a suitable facility. The stockpile characterization laboratory results were initially compared against Massachusetts reuse, recycling, and disposal criteria in accordance to MassDEP Policy# COMM-97-001 and Interim Policy #WSC-94-400. Out-of-state facilities that offer reuse (e.g., landfill daily cover), recycling (e.g., asphalt batch) or disposal opportunities were then evaluated, considering facility-specific acceptance and permit criteria, for stockpiled soil material that did not meet MassDEP Policy# COMM-97-001 and Interim Policy #WSC-94-400 acceptance criteria.

Soil material segregated in Stockpile C underwent stabilization treatment by CHES in accordance with the Soil Stabilization Work Plan dated August 2011 and included as Appendix G. Stockpile C exhibited a characteristic of hazardous waste due to a detected TCLP lead concentration of 6.4 milligrams per liter (mg/L). As a result, the material underwent treatment on August 16, 2011 using Enviroblend® 90/10 stabilization agent (add rate of 2% by weight) to reduce the leachability of lead. The post-treatment TCLP results for lead ranged from non-detect (0.05 mg/L) to 2.52 mg/L, all of which are below the 5.0 mg/L criterion for characteristic hazardous waste. The soil material was subsequently transported off-site for disposal as summarized below.

Transportation of all materials from the Site to the Transfer Station and subsequently to an appropriate off-site facility between August 1, 2011 and January 5, 2012 were performed using a MassDEP BOL and in accordance with DOT, EPA, and MassDEP regulations, as appropriate. Copies of the BOLs and associated Attestation of Completion forms completed to-date are include in Appendix C.

The following table summarizes the characterized stockpiles and subdivided sections, associated disposal facility and approximate quantity of soil material transported off-site to date.

Soil Disposal Summary Table			
Stockpile Designation	Sub-divided Sample Section(s)	Receiving Facility⁽¹⁾	Estimated Quantity (Tons)
A	1 through 3	Taunton Landfill	790
	4	TREE	228
A2	1 & 2	TREE	570
	3 through 5	Taunton Landfill	480
B	1 through 4	TREE	786
B2	1 & 2	Taunton Landfill	316

Soil Disposal Summary Table			
Stockpile Designation	Sub-divided Sample Section(s)	Receiving Facility⁽¹⁾	Estimated Quantity (Tons)
B3	1 through 3, 9 & 11 through 15	Taunton Landfill	1862
	4 through 8, 10 & 16	TREE	1675
C	1 through 3	Ontario County Landfill	600
D	1	Crapo Hill Landfill	543
D2	1 through 4 & 9	TREE	632
	5 through 8 & 10	Taunton Landfill	619
D3	1 through 4 and 6 through 14	Taunton Landfill	1884
	5	TREE	158
			Total : 11,143

Notes:

- (1) Taunton Landfill, Waste Management, Taunton, Massachusetts.
 TREE – Turnkey Recycling and Environmental Enterprises in Rochester, New Hampshire.
 Ontario County Landfill, Casella Waste Services, Stanley, New York.
 Crapo Hill Landfill – Greater New Bedford Regional Refuse Management District facility in New Bedford, Massachusetts.

As of the submittal of this RAM Status Report, a limited amount of soil material from Stockpile D3, segregated debris (e.g., cobbles, boulders and concrete), tree stumps, and waste polyethylene sheeting remain at the Transfer Station stockpile area pending transportation off site. The City is currently working with CHES to facilitate removal of this material, which will be described in a future regulatory submittal.

No additional remediation waste, remedial wastewater or remedial additives have been managed under this RAM Plan and RAM Plan Modification.

2.4 Other Necessary Information

Instrumented Air Monitoring

Dust monitoring was performed during the above referenced activities between August 1, 2011 and January 5, 2012 in accordance with the procedures outlined in Section 6 of the RAM Plan and RAM Plan Modification. No dust monitoring was conducted from September 6 through September 8, 2011, on September 23, 2011 or November 17, 2011 due to rain and wet site conditions. Additionally, due to equipment malfunctions or technical errors, data was not recorded or dust monitoring data was lost during downloading on September 11, 2011 (upwind onsite monitoring unit only), September 13, 2011 (upwind onsite monitoring unit only), September 27, 2011 (all onsite and stockpile area monitoring units) and October 6, 2011 (stockpile area workzone monitoring unit only).

Dust monitoring was conducted using Met One E-BAM Mass Monitors (E-BAM) from August 9, 2011 through August 12, 2011. TSI DustTrak™ Aerosol Monitors (e.g., Model 8520 or 8530) were used during all other RAM-related dust monitoring activities. Dust monitoring units were deployed upwind, within the workzone/nearest receptor and downwind of soil excavation and management activities.

In response to E-BAM recorded measurements on August 11, 2011 and August 12, 2011 and in accordance with the RAM Plan, dust suppression activities onsite were increased with greater usage of sprays on August 12, 2011. Dust levels did not exceed the prescribed action limit of 150 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) at a downwind monitoring location during any additional RAM excavation or soil management activities sustained over 15 minutes.

Data was downloaded daily and log sheets were kept; both are included in Appendix A. A summary of the dust monitoring results associated with the RAM activities between August 1, 2011 and January 5, 2012 is included in Table 1.

Air monitoring was also performed using a PID to monitor for the presence of VOCs within the work area breathing zone as a precaution. No emissions above background associated with soil excavation and management activities were noted during this reporting period.

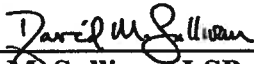
Meteorological Monitoring

Previously, weather conditions were monitored onsite using a portable digital meteorological station. Due to persistent equipment malfunctions, the use of an onsite monitoring station was discontinued during this reporting period in favor of readily available data recorded at the nearby New Bedford Regional Airport. A summary of weather data has been included as Table 2.

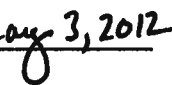
2.5 LSP Opinion

The objective of this RAM Status report is to apprise MassDEP of the City's activities at the New Bedford High School.

This RAM Status Report has been prepared in accordance with 310 CMR 40.0445 as set forth in the MCP.



David M. Sullivan, LSP
TRC Environmental Corporation
Licensed Site Professional No. 1488

February 3, 2012
Date 



Stamp

3.0 REFERENCES

- TRC, 2011a *Release Abatement Measure Plan, Soil Excavation and Removal at New Bedford High School, Parker Street Waste Site, New Bedford, Massachusetts.* Prepared for the City of New Bedford. Prepared by TRC, Lowell, Massachusetts. April 2011
- TRC, 2011b *Release Abatement Measure Plan Modification, Soil Excavation and Removal at New Bedford High School, Parker Street Waste Site, New Bedford, Massachusetts.* Prepared for the City of New Bedford. Prepared by TRC, Lowell, Massachusetts. July 2011
- TRC, 2011c *Release Abatement Measure Status Report, Soil Excavation and Removal at New Bedford High School, Parker Street Waste Site, New Bedford, Massachusetts.* Prepared for the City of New Bedford. Prepared by TRC, Lowell, Massachusetts. August 2011.
- TRC, 2011d *Immediate Response Action Completion Report and Imminent Hazard Evaluation, Triangle Island TI-3 Area, New Bedford High School, 230 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for the City of New Bedford. Prepared by TRC, Lowell, Massachusetts. November 2011.

TABLES

Table 1
Summary of DustTrak™ Data
New Bedford, Massachusetts
August 1, 2011 through January 5, 2012

Date	DustTrak™ Serial Number	Test ID	Site	DustTrak™ Location Notes	Average (mg/m ³)	Minimum (mg/m ³)	Maximum ⁽¹⁾ (mg/m ³)	Comments ⁽²⁾
August 1, 2011	85201691	Test 1	Transfer Station	Upwind - Positioned in southeast corner of stockpile area.	0.026	0.018	0.203	Upwind monitoring location readings not sustained for more than 2-minutes at any point during test.
	85200080	Test 2	Transfer Station	Workzone - Positioned at northern edge of Stockpile B at stockpile area.	0.032	0.019	0.554	Maximum reading occurred during start-up (background conditions). Additional readings were not sustained for more than 2-minutes at any point during test.
	85203428	Test 1	Transfer Station	Downwind - Positioned in the northwestern portion of the stockpile area (adjacent to access road).	0.041	0.022	0.482	Readings were not sustained for more than 2-minutes at any point during test.
August 9, 2011 ⁽³⁾	2071	NA	NBHS Campus	Upwind - Positioned east of excavation.	0.020	-0.005	0.241	Upwind monitoring location readings not sustained for more than one 10-minute interval.
	5291	NA	NBHS Campus	Nearest Receptor - Positioned on south side of Parker Street adjacent to Walsh Field (south of excavation).	0.024	-0.005	0.100	
	6402	NA	NBHS Campus	Workzone - Positioned east of excavation.	0.055	-0.005	0.305	Workzone readings sustained for two consecutive 10-minute intervals at 12:50 & 13:00.
	5290	NA	NBHS Campus	Downwind - Positioned west of excavation along Parker Street.	0.022	-0.005	0.168	Readings not sustained for longer than one 10-minute interval.
	7890	NA	Transfer Station	Upwind - Positioned in the southern portion of the stockpile area.	0.014	-0.005	0.082	
	4946	NA	Transfer Station	Workzone - Positioned at bottom of the access road into stockpile area.	0.028	-0.005	0.446	Workzone readings sustained for two consecutive 10-minute intervals at 17:20 & 17:30.
	4926	NA	Transfer Station	Downwind - Positioned downwind of the stockpile area.	0.021	-0.005	0.132	
August 10, 2011 ⁽³⁾	7890	NA	Transfer Station	Upwind - Positioned along southern boundary of stockpile area.	0.017	-0.005	0.073	
	4946	NA	Transfer Station	Workzone - Positioned at bottom of access road to the stockpile area.	0.033	-0.005	0.254	Workzone readings not sustained for longer than one 10-minute interval.
	4926	NA	Transfer Station	Downwind - Positioned in the northwest corner of the stockpile area.	0.018	-0.005	0.138	
August 11, 2011 ⁽³⁾	2071	NA	NBHS Campus	Upwind - Positioned east of excavation near Parker Street.	0.059	-0.005	0.305	Upwind readings sustained for two consecutive 10-minute intervals at 11:00 & 11:10 and at 11:30 & 11:40.
	5921	NA	NBHS Campus	Nearest Receptor - PS-2 South - Positioned south of excavation across Parker Street.	0.027	-0.005	0.161	Readings not sustained for longer than one 10-minute interval.
	6402	NA	NBHS Campus	Workzone - Positioned north excavation in parking lot.	0.021	-0.005	0.392	Readings not sustained for longer than one 10-minute interval.
	5290	NA	NBHS Campus	Downwind - Positioned west of excavation along Parker Street.	0.036	-0.005	0.290	Readings sustained for three consecutive 10-minute averages at 08:50, 09:00 & 09:10. Dust suppression activities increased with additional water sprays.
	7890	NA	Transfer Station	Upwind - Positioned along the southern boundary of the stockpile area.	0.021	-0.005	0.071	
	4946	NA	Transfer Station	Workzone - Positioned near bottom of access road to stockpile area.	0.031	-0.005	0.225	Workzone readings sustained for two consecutive 10-minute intervals at 22:30 & 22:40.
	4926	NA	Transfer Station	Downwind - Positioned in the northwest corner of stockpile area.	0.026	-0.005	0.639	Readings not sustained for longer than one 10-minute interval.
August 12, 2011 ⁽³⁾	2071	NA	NBHS Campus	Upwind - Positioned east of excavation at entrance to parking lot.	0.045	-0.005	0.280	Upwind readings not sustained for longer than one 10-minute interval.
	5291	NA	NBHS Campus	Nearest Receptor - Positioned south of excavation across Parker Street.	0.023	-0.005	0.136	
	6402	NA	NBHS Campus	Workzone - Positioned north of the excavation.	0.025	-0.005	0.251	Workzone readings sustained for two consecutive 10-minute intervals at 11:40 & 11:50.
	5290	NA	NBHS Campus	Downwind - Positioned near southern end of excavation along Parker Street.	0.017	-0.005	0.072	
	7890	NA	Transfer Station	Upwind - Positioned in northwest corner of stockpile area	0.008	-0.005	0.074	
	4926	NA	Transfer Station	Upwind - Positioned along southern boundary of stockpile area.	0.008	-0.005	0.089	
	4946	NA	Transfer Station	Workzone - Positioned near bottom of access road to stockpile area.	0.032	-0.005	0.608	Workzone readings sustained for two consecutive 10-minute intervals at 12:20 & 12:30.
	4358	NA	Transfer Station	Downwind - Positioned along eastern portion of the stockpile area.	0.098	-0.004	0.692	Readings sustained for two consecutive 10-minute intervals at 10:20 & 10:30. Dust suppression activities increased with additional water sprays.
August 15, 2011	8530112801	Test 1	NBHS Campus	Upwind - Positioned off southeast corner of parking lot in northwest corner of campus.	0.022	0.020	0.030	
	8530112903	Test 1	NBHS Campus	Workzone - Positioned between Hathaway Strip and Triangle Island excavations.	0.015	0.005	0.427	Data inadvertently recorded at 1-second intervals. Workzone readings not sustained for greater than 1 minute at any point during test. Daily summary of data included in Appendix A.
		Test 2			0.016	0.004	0.381	Data inadvertently recorded at 1-second intervals. Workzone readings not sustained for greater than 1 minute at any point during test. Daily summary of data included in Appendix A.
	8530110401	Test 1	NBHS Campus	Downwind - Positioned in northwest corner of Triangle Island.	0.033	0.019	0.654	Maximum 1-minute reading occurred during start-up (background conditions).
		Test 2			0.025	0.019	0.050	
August 16, 2011	8530112801	Test 2	NBHS Campus	Upwind - Position along north edge of campus.	0.007	0.000	0.172	Upwind readings not sustained for more than 1 minute at any point during test.
	8530112903	Test 3	NBHS Campus	Workzone - Positioned between the Triangle Island and Hathaway Strip excavations.	0.038	0.006	0.975	Workzone readings not sustained for more than 2 minutes at any point during test.
	8530110401	Test 1	NBHS Campus	Downwind - Positioned south of Triangle Island.	0.006	0.000	0.431	Reading was not sustained for more than 1 minute at any point during test and maximum value likely a result of street sweeper activity near the unit.
	8530091703	Test 2	Transfer Station	Upwind - Positioned along eastern portion of the stockpile area.	0.046	0.001	0.744	Workzone reading was not sustained for more than 4 minutes at any point during test and maximum value likely a result of street sweeper activity near the unit.
	85196800	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.010	0.003	0.067	
	8530104704	Test 3	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.042	0.003	1.40	Workzone reading was not sustained for more than 3 minutes at any point during test.
	85196800	Test 2	Transfer Station	Downwind - Located at stockpile area.	0.007	0.005	0.015	
August 17, 2011	8530112801	Test 1	NBHS Campus	Upwind - Positioned east of parking lot in northwest corner of campus until 1330 then moved to north end of Hathaway Strip excavation thereafter.	0.035	0.000	1.09	Upwind reading was not sustained for more than 3 minutes at any point during test. Maximum value occurred when external battery was changed (disturbance of unit) when no visible dust present.
	8530112903	Test 1	NBHS Campus	Workzone - Positioned on Divided Strip between Triangle Island and Hathaway Strip excavations.	0.051	0.023	0.428	Workzone reading was not sustained for more than 2 minutes at any point during test and maximum value occurred during backfilling (documented clean soil management) activities.
	8530110401	Test 1	NBHS Campus	Downwind - Positioned south of Triangle Island until 1330 and then under bus shelter east of Triangle Island thereafter.	0.036	0.018	1.39	Reading was not sustained for more than 2 minutes at any point during test.
	8530091703	Test 2	Transfer Station	Upwind - Positioned along western edge of stockpile area.	0.037	0.000	1.35	Upwind reading was not sustained for more than 2 minutes at any point during test.
	8530104704	Test 3	Transfer Station	Workzone - Positioned at bottom of access road into stockpile area.	0.037	0.000	0.543	Workzone reading was not sustained for more than 3 minutes at any point during test.
	85196800	Test 1	Transfer Station	Downwind - Positioned near silt fence along eastern edge of stockpile area.	0.033	0.011	0.148	

Table 1
Summary of DustTrak™ Data
New Bedford, Massachusetts
August 1, 2011 through January 5, 2012

Date	DustTrak™ Serial Number	Test ID	Site	DustTrak™ Location Notes	Average (mg/m ³)	Minimum (mg/m ³)	Maximum ⁽¹⁾ (mg/m ³)	Comments ⁽²⁾
August 18, 2011	8530112801	Test 1	NBHS Campus	Upwind - Positioned south of the Triangle Island.	0.022	0.018	0.102	
	8530112903	Test 2	NBHS Campus	Workzone - Positioned on Divided Strip until 0945 and then in gated driveway entrance between Triangle Island and Hathaway Strip thereafter.	0.024	0.020	0.108	
	8530110401	Test 2	NBHS Campus	Downwind - Positioned east of parking lot in northwest corner of campus.	0.027	0.017	0.176	Reading was not sustained for more than 1 minutes at any point during test and maximum value occurred during backfilling (documented clean soil management) activities.
	8530091703	Test 1	Transfer Station	Upwind - Positioned along western edge of the stockpile area.	0.029	0.025	0.064	
	8530104704	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.037	0.019	0.449	Workzone reading was not sustained for more than 2 minutes at any point during test.
	85196800	Test 1	Transfer Station	Downwind - Positioned near silt fence along eastern edge of stockpile area.	0.036	0.022	0.144	
August 19, 2011	8530112801	Test 2	NBHS Campus	Upwind - Positioned in driveway entrance between Triangle Island Hathaway Strip excavations.	0.028	0.016	0.289	Upwind reading was not sustained for more than 1 minute at any point during test and maximum value likely a result of street sweeper activity near the unit.
	8530112903	Test 2	NBHS Campus	Workzone - Positioned in driveway entrance between Triangle Island and Hathaway Strip excavations.	0.026	0.018	0.123	
	8530110401	Test 1	NBHS Campus	Downwind - Positioned at north end of Hathaway Strip until 1000 and then east of parking lot in northwest corner of campus thereafter.	0.030	0.016	0.097	
	8530091703	Test 1	Transfer Station	Upwind - Positioned in southwest corner of stockpile area.	0.029	0.020	0.076	
	8530104704	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.038	0.017	0.392	Workzone reading was not sustained for more than 2 minutes at any point during test.
	85196800	Test 1	Transfer Station	Downwind - Positioned near silt fence along eastern border of the stockpile area.	0.041	0.022	0.103	
August 20, 2011	8530112801	Test 1	NBHS Campus	Upwind - Positioned on eastern corner of Triangle Island.	0.015	0.007	0.052	
	8530112903	Test 1	NBHS Campus	Workzone - Positioned on Divide Strip in eastern part of excavation.	0.020	0.011	0.145	
	8530110401	Test 1	NBHS Campus	Downwind - Positioned east of parking lot in northwest corner of campus.	0.037	0.010	0.369	Reading was not sustained for more than 3 minutes at any point during test.
	8530091703	Test 1	Transfer Station	Upwind - Positioned in southwest corner of stockpile area.	0.016	0.010	0.051	
	8530104704	Test 1	Transfer Station	Workzone - Positioned near bottom of access road to stockpile area.	0.022	0.010	0.334	Workzone reading was not sustained for more than 1 minute at any point during test.
	85196800	Test 1	Transfer Station	Downwind - Positioned in northeast corner of stockpile area.	0.025	0.008	0.125	
August 22, 2011	8530112801	Test 1	NBHS Campus	Upwind - Positioned at gated driveway entrance between Triangle Island and Hathaway Strip excavations.	0.011	0.006	0.055	
	8530112903	Test 1	NBHS Campus	Workzone - Positioned between trees along western edge of Triangle Island.	0.016	0.005	0.195	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530110401	Test 1	NBHS Campus	Downwind - Positioned on north side of driveway (northeast of Triangle Island).	0.019	0.014	0.033	
		Test 2		Downwind - Positioned on eastern edge of Triangle Island.	0.020	0.008	0.158	Reading was not sustained for more than 1 minute at any point during test.
		Test 3			0.029	0.011	0.101	
	8530091703	Test 2	Transfer Station	Upwind - Positioned along southern border of stockpile area.	0.028	0.005	0.556	Upwind reading was not sustained for more than 2 minutes at any point during test.
	8530104704	Test 2	Transfer Station	Workzone - Positioned along eastern edge of stockpile area.	0.062	0.007	0.929	Workzone reading was not sustained for more than 3 minutes at any point during test.
	85196800	Test 2	Transfer Station	Downwind - Positioned in northeast corner of stockpile area.	0.019	0.010	0.140	
		Test 3			0.022	0.013	0.070	
August 23, 2011	8530112801	Test 1	NBHS Campus	Upwind - Positioned outside the entry gate north of the Hathaway Strip excavation.	0.011	0.004	0.174	Upwind reading was not sustained for more than 1 minute at any point during test.
	8530112903	Test 1	NBHS Campus	Workzone - Positioned adjacent to third tree from the north in Hathaway Strip excavation.	0.023	0.004	0.161	Workzone reading was not sustained for more than 1 minute at any point during test.
		Test 2	NBHS Campus		0.026	0.004	1.080	
		Test 3	NBHS Campus	Workzone - Positioned adjacent to second tree from the north in Hathaway Strip excavation.	0.023	0.004	0.161	
	8530110401	Test 1	NBHS Campus	Downwind - Positioned near light pole in northern portion of northwest campus parking lot.	0.124	0.005	3.87	Reading was not sustained for 12 minutes during test. Dust was generated during truck traffic during backfilling activities and was not related to the movement of potentially impacted soil.
	8530091703	Test 1	Transfer Station	Upwind - Positioned along western boundary of the stockpile area.	0.028	0.000	3.52	Upwind reading was not sustained for more than 2 minutes at any point during test.
	8530104704	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.028	0.003	0.884	Workzone reading was not sustained for more than 3 minutes at any point during test.
	85196800	Test 1	Transfer Station	Downwind - Positioned in southeast corner of stockpile area.	0.014	0.004	0.073	
August 24, 2011	8530112801	Test 1	NBHS Campus	Upwind - Positioned immediately west of Triangle Island.	0.011	0.008	0.272	Upwind maximum reading occurred at start-up (background conditions).
	8530112903	Test 1	NBHS Campus	Workzone - Positioned east of the Divide Strip until 1030, then moved to north of Triangle Island.	0.014	0.010	0.091	
		Test 2			0.019	0.009	0.609	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530110401	Test 1	NBHS Campus	Downwind - Positioned in center of grassy area east of parking lot in northwest corner of campus.	0.024	0.009	1.31	Reading was not sustained for more than 2 minutes at any point during test.
	8530091703	Test 1	Transfer Station	Upwind - Positioned along southern boundary of stockpile area.	0.017	0.009	0.064	
	8530104704	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.104	0.009	4.25	Workzone reading was not sustained for more than 5 minutes at any point during test.
	85196800	Test 1	Transfer Station	Downwind - Positioned in northeast corner of stockpile area.	0.017	0.010	0.061	
August 25, 2011	8530112801	Test 1	NBHS Campus	Upwind - Positioned south of Triangle Island.	0.017	0.013	0.094	
	8530112903	Test 1	NBHS Campus	Workzone - Positioned in western portion of Triangle Island.	0.014	0.008	0.087	
		Test 2	NBHS Campus	Workzone - Positioned near the easternmost tree in Triangle Island.	0.026	0.010	0.239	Workzone reading was not sustained for more than 2 minutes at any point during test.
	8530110401	Test 1	NBHS Campus	Downwind - Positioned on western end of Divide Strip.	0.022	0.012	0.224	Maximum reading occurred at start-up (background conditions).
	8530091703	Test 2	Transfer Station	Upwind - Positioned on hill in southern portion of stockpile area.	0.002	0.000	0.029	
	8530104704	Test 2	Transfer Station	Workzone - Positioned near silt fence along eastern boundary of stockpile area.	0.019	0.014	0.045	
	85196800	Test 2	Transfer Station	Downwind - Positioned in northeast corner of stockpile area.	0.026	0.015	0.109	
August 31, 2011	8530091703	Test 1	Transfer Station	Upwind - Positioned along road in southwest portion of stockpile area.	0.035	0.016	0.489	Upwind reading was not sustained for more than 2 minutes at any point during test.
	8530104704	Test 1	Transfer Station	Workzone - Positioned adjacent to stockpile area entrance in northwest portion of stockpile area.	0.043	0.016	0.591	Workzone reading was not sustained for more than 3 minutes at any point during test.
	85196800	Test 1	Transfer Station	Downwind - Positioned in the eastern portion of the stockpile area.	0.034	0.015	0.705	Maximum reading occurred at start-up (background conditions).

Table 1
Summary of DustTrak™ Data
New Bedford, Massachusetts
August 1, 2011 through January 5, 2012

Date	DustTrak™ Serial Number	Test ID	Site	DustTrak™ Location Notes	Average (mg/m ³)	Minimum (mg/m ³)	Maximum (mg/m ³) ⁽¹⁾	Comments ⁽²⁾
September 1, 2011	8530091703	Test 1	Transfer Station	Upwind - Positioned south of stockpile area on hill in southwest corner of stockpile area.	0.023	0.013	0.099	
	8530104704	Test 1	Transfer Station	Workzone - Positioned near entrance to stockpile area in northwest portion of stockpile area.	0.032	0.014	0.578	Workzone reading was not sustained for more than 3 minutes at any point during test.
	85196800	Test 1	Transfer Station	Downwind - Positioned east of stockpile area to east of silt fence at stockpile area.	0.027	0.009	0.050	
September 6, 2011	NA	NA	Transfer Station	DustTraks not run due to rainy/wet site conditions	NA	NA	NA	
September 7, 2011	NA	NA	Transfer Station	DustTraks not run due to rainy/wet site conditions	NA	NA	NA	
September 8, 2011	NA	NA	Transfer Station	DustTraks not run due to rainy/wet site conditions	NA	NA	NA	
September 10, 2011	85196800	Test 1	NBHS Campus	Upwind - Positioned along northern edge of Flagpole Island.	0.029	0.017	0.049	
	8530104704	Test 1	NBHS Campus	Workzone - Positioned along southern edge of Flagpole Island.	0.022	0.011	0.178	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530091703	Test 1	NBHS Campus	Downwind - Positioned on northern tip of island located adjacent to faculty parking and Hathaway Blvd (southwest of Flagpole Island).	0.023	0.011	0.259	Reading was not sustained for more than 1 minute at any point during test.
	8530112801	Test 1	Transfer Station	Upwind - Positioned along southern edge of stockpile area.	0.018	0.013	0.103	
	8530112903	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.020	0.015	0.082	
September 11, 2011	8530110401	Test 1	Transfer Station	Downwind - Positioned along eastern edge of stockpile area.	0.020	0.015	0.067	
	8530091703	Test 1	NBHS Campus	Upwind - Positioned along southeastern edge of Flagpole Island.	0.013	0.001	0.621	Upwind manually recorded readings listed.
	8530104704	Test 1	NBHS Campus	Workzone - Positioned along southern edge of Flagpole Island.	0.008	0.003	0.105	
	8516800	Test 1	NBHS Campus	Downwind - Positioned near school sign west of Flagpole Island.	0.011	0.007	0.053	
	8530112801	Test 2	Transfer Station	Upwind - Positioned along eastern edge of stockpile area.	0.003	0.000	0.256	Upwind maximum value occurred during shutdown (background conditions).
September 12, 2011	8530112903	Test 2	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.038	0.003	2.59	Workzone reading not sustained for more than 1 minute at any point during test.
	8530110401	Test 2	Transfer Station	Downwind - Positioned along road along eastern boundary of stockpile area.	0.013	0.004	0.425	Reading was not sustained for more than 2 minutes at any point during test.
	8530091703	Test 1	NBHS Campus	Upwind - Positioned at southern end of Sign Island.	0.032	0.027	0.040	
	8530104704	Test 1	NBHS Campus	Workzone - Positioned on northwest corner of Flagpole Island.	0.030	0.015	0.130	
September 13, 2011	85196800	Test 1	NBHS Campus	Downwind - Positioned across the driveway north of the Flagpole Island.	0.039	0.030	0.057	
	8530112801	Test 1	Transfer Station	Upwind - Positioned along southern edge of stockpile area.	0.016	0.007	0.198	Upwind reading was not sustained for more than 1 minute at any point during test.
	8530112903	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.084	0.032	1.25	Workzone reading was not sustained for more than 3 minutes at any point during test.
	8530110401	Test 1	Transfer Station	Downwind - Positioned north of the stockpile area.	0.056	0.030	0.888	Reading was not sustained for more than 2 minutes at any point during test.
	8530091703	Test 1	NBHS Campus	Upwind - Positioned along southern edge of Sign Island.	0.054	0.044	0.071	Upwind manually recorded readings listed.
September 14, 2011	8530104704	Test 1	NBHS Campus	Workzone - Positioned on northwest corner of Flagpole Island.	0.067	0.041	0.798	Workzone reading was not sustained for more than 3 minutes at any point during test.
	85196800	Test 1	NBHS Campus	Downwind - Positioned across driveway (northeast) of Flagpole Island.	0.064	0.051	0.133	
	8530112801	Test 1	Transfer Station	Upwind - Positioned along southern edge of stockpile area.	0.049	0.044	0.088	
	8530112903	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.059	0.047	0.489	Workzone reading was not sustained for more than 2 minutes at any point during test.
	8530110401	Test 1	Transfer Station	Downwind - Positioned in northwest corner of stockpile area.	0.108	0.072	1.52	Reading was not sustained for more than 2 minutes at any point during test.
September 15, 2011	8530091703	Test 1	NBHS Campus	Upwind - Positioned on southern end of Sign Island.	0.057	0.052	0.124	
	8530104704	Test 2	NBHS Campus	Workzone - Positioned on northwest corner of Flagpole Island.	0.112	0.048	2.31	Workzone reading was not sustained for more than 5 minutes at any point during test and instrument malfunction appeared to cause high bias to data for this unit.
	85196800	Test 1	NBHS Campus	Downwind - Positioned across driveway north of Flagpole Island.	0.070	0.057	0.127	
	8530112801	Test 2	Transfer Station	Upwind - Positioned along southern border of stockpile area.	0.054	0.047	0.089	
	8530112903	Test 2	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.022	0.000	0.247	Workzone reading was not sustained for more than 1 minute at any point during test.
September 16, 2011	8530110401	Test 2	Transfer Station	Downwind - Positioned in northwest corner of stockpile area.	0.066	0.050	0.384	Reading was not sustained for more than 2 minutes at any point during test.
	8530091703	Test 2	NBHS Campus	Upwind - Positioned on southern edge of Sign Island.	0.083	0.028	1.58	Upwind reading was not sustained for more than 4 minutes at any point during test.
	8530104704	Test 2	NBHS Campus	Workzone - Positioned on northwest corner of Flagpole Island.	0.044	0.023	0.195	Workzone reading was not sustained for more than 1 minute at any point during test.
	85196800	Test 2	NBHS Campus	Downwind - Positioned on northeast corner of Flagpole Island.	0.051	0.025	0.087	
	8530112801	Test 3	Transfer Station	Upwind - Positioned along southern boundary of stockpile area.	0.004	0.000	0.057	
September 19, 2011	8530112903	Test 3	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.014	0.000	0.148	
	8530110401	Test 3	Transfer Station	Downwind - Positioned along access road in northwest corner of stockpile area.	0.081	0.062	0.232	Reading was not sustained for more than 1 minute at any point during test.
	8530091703	Test 1	Transfer Station	Upwind - Positioned at bottom of access road to stockpile area.	0.014	0.001	0.578	Upwind reading was not sustained for more than 1 minute at any point during test.
	8530104704	Test 1	Transfer Station	Workzone - Positioned along eastern edge of stockpile area.	0.027	0.000	1.32	Workzone reading was not sustained for more than 7 minutes at any point during test.
September 20, 2011	85196800	Test 1	Transfer Station	Downwind - Positioned along southern edge of stockpile area.	0.004	0.000	0.044	
	8530100933	Test 1	NBHS Campus	Upwind - Positioned along northern edge of Flagpole Island.	0.009	0.007	0.024	
	8530095310	Test 1	NBHS Campus	Workzone - Positioned at southern end of Sign Island.	0.029	0.005	1.41	Workzone reading was not sustained for more than 2 minutes at any point during test.
	8530095311	Test 1	NBHS Campus	Downwind - Positioned in southwest corner of Flagpole Island.	0.023	0.000	1.98	Reading was not sustained for more than 2 minutes at any point during test.
	8530091703	Test 2	Transfer Station	Upwind - Positioned in the northeast corner of stockpile area.	0.017	0.008	1.55	Upwind reading was not sustained for more than 1 minute at any point during test.
September 20, 2011	8530104704	Test 2	Transfer Station	Workzone - Positioned at the bottom of the access road to stockpile area.	0.000	0.000	0.087	
	85196800	Test 2	Transfer Station	Downwind - Positioned along the southern boundary of stockpile area.	0.017	0.005	2.525	Reading was not sustained for more than 1 minute at any point during test.
	8530100933	Test 2	NBHS Campus	Upwind - Positioned on southern end of Sign Island.	0.000	0.000	0.020	
	8530095310	Test 3	NBHS Campus	Workzone - Positioned on the northeast corner of the Flagpole Island.	0.011	0.005	0.033	
	8530095311	Test 2	NBHS Campus	Downwind - Positioned across driveway to the northeast of Flagpole Island.	0.079	0.022	0.118	
September 20, 2011	8530104303	Test 1	Transfer Station	Upwind - Positioned along access road along eastern border of stockpile area.	0.013	0.009	0.074	
	8530104706	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.049	0.014	0.446	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530104209	Test 1	Transfer Station	Downwind - Positioned in the northeast corner of the stockpile area.	0.024	0.011	0.176	Reading was not sustained for more than 1 minute at any point during test.

Table 1
Summary of DustTrak™ Data
New Bedford, Massachusetts
August 1, 2011 through January 5, 2012

Date	DustTrak™ Serial Number	Test ID	Site	DustTrak™ Location Notes	Average (mg/m ³)	Minimum (mg/m ³)	Maximum (mg/m ³) ⁽¹⁾	Comments ⁽²⁾	
September 21, 2011	8530100933	Test 1	NBHS Campus	Upwind - Positioned on southwest corner of Flagpole Island.	0.036	0.026	0.141		
	8530095310	Test 4	NBHS Campus	Workzone - Positioned in driveway north of Flagpole Island.	0.025	0.004	0.372	Workzone reading was not sustained for more than 1 minute at any point during test.	
	8530095311	Test 1	NBHS Campus	Downwind - Positioned northeast of the driveway surrounding Flagpole Island.	0.031	0.000	0.185	Reading was not sustained for more than 1 minute at any point during test.	
	8530104303	Test 1	Transfer Station	Upwind - Positioned along southern border of stockpile area.	0.028	0.012	0.080		
	8530104706	Test 1	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.210	0.023	5.35	Workzone reading was not sustained for more than 12 minutes at any point during test.	
	8530104209	Test 1	Transfer Station	Downwind - Positioned near silt fence along eastern border of stockpile area.	0.029	0.011	0.113		
September 23, 2011	NA	NA	Transfer Station	DustTraks not run due to rainy/wet site conditions	NA	NA	NA		
September 22, 2011	8530100933	Test 2	NBHS Campus	Upwind - Positioned southwest of the Flagpole Island.	0.011	0.006	0.021		
	8530095310	Test 5	NBHS Campus	Workzone - Positioned in northeast corner of Flagpole Island.	0.000	0.000	0.007		
	8530095311	Test 2	NBHS Campus	Downwind - Positioned northeast of driveway surrounding Flagpole Island.	0.007	0.000	0.036		
September 24, 2011	8530104303	Test 1	NBHS Campus	Upwind - Positioned off southwest corner of Flagpole Island.	0.009	0.003	0.026		
	8530104706	Test 1	NBHS Campus	Workzone - Positioned in driveway north of the Flagpole Island.	0.026	0.013	0.356	Workzone reading was not sustained for more than 2 minutes at any point during test.	
	8530104209	Test 1	NBHS Campus	Downwind - Positioned northeast of the driveway surrounding the Flagpole Island.	0.015	0.006	0.136		
	8530100933	Test 1	Transfer Station	Upwind - Positioned in southwest corner of stockpile area.	0.029	0.006	1.15	Upwind reading was not sustained for more than 2 minutes at any point during test.	
	8530095310	Test 1	Transfer Station	Workzone - Positioned near center of stockpile area.	0.008	0.000	0.477	Workzone reading was not sustained for more than 2 minutes at any point during test.	
	8530095311	Test 1	Transfer Station	Downwind - Positioned in northeast corner of stockpile area.	0.003	0.000	0.092		
September 26, 2011	8530100933	Test 1	NBHS Campus	Upwind - Position in driveway south of the Flagpole Island.	0.024	0.016	0.199	Upwind reading was not sustained for more than 1 minute at any point during test.	
	8530095310	Test 1	NBHS Campus	Workzone - Positioned adjacent to the flagpole on the Flagpole Island.	0.017	0.010	0.109		
		8530095311	Test 1	NBHS Campus	Downwind - Positioned north of the Flagpole Island.	0.000	0.000	0.000	Duration of Test was only 1 minute
			Test 2			0.017	0.000	0.099	
		8530104303	Test 2	Transfer Station	Upwind - Positioned in southeast corner of stockpile area.	0.030	0.016	0.198	Upwind reading was not sustained for more than 2 minutes at any point during test.
		8530104706	Test 1	Transfer Station	Workzone - Positioned near silt fence along eastern edge of stockpile area.	0.050	0.028	0.651	Workzone reading was not sustained for more than 1 minute at any point during test.
		8530104209	Test 1	Transfer Station	Downwind - Positioned near access road to stockpile area.	0.060	0.015	0.861	Reading was not sustained for more than 2 minutes at any point during test.
September 27, 2011	8530100933	Test 1	NBHS Campus	Upwind - Positioned in the driveway north of Flagpole Island.	0.022	0.013	0.038	DustTrak data was lost during instrument download. Manually recorded readings listed.	
	8530095310	Test 1	NBHS Campus	Workzone - Positioned north of Flagpole Island inside the fenced in area.	0.053	0.007	0.133	DustTrak data was lost during instrument download. Manually recorded readings listed.	
	8530095311	Test 1	NBHS Campus	Downwind - Positioned in the grassy area north of Flagpole Island and south of the parking lot.	0.044	0.013	0.134	DustTrak data was lost during instrument download. Manually recorded readings listed.	
	8530104303	Test 1	Transfer Station	Upwind - Positioned along southern edge of stockpile area.	0.025	0.015	0.045	DustTrak data was lost during instrument download. Manually recorded readings listed.	
	8530104706	Test 1	Transfer Station	Workzone - Positioned in the center of the west portion of the stockpile area.	0.033	0.014	0.066	DustTrak data was lost during instrument download. Manually recorded readings listed.	
	8530104209	Test 1	Transfer Station	Downwind - Positioned in north west corner of stockpile area.	0.089	0.012	0.387	DustTrak data was lost during instrument download. Manually recorded readings listed.	
September 28, 2011	8530104303	Test 1	NBHS Campus	Upwind - Positioned in driveway south of the Flagpole Island.	0.017	0.015	0.026		
	8530104706	Test 1	NBHS Campus	Workzone - Positioned along northern edge of Flagpole Island.	0.025	0.018	0.128		
	8530104209	Test 1	NBHS Campus	Downwind - Position across driveway north of Flagpole Island.	0.020	0.016	0.045		
	8530100933	Test 1	Transfer Station	Upwind - Positioned in the southeast corner of the stockpile area.	0.024	0.021	0.037		
	8530095310	Test 1	Transfer Station	Workzone - Positioned along silt fence on eastern edge of stockpile area.	0.017	0.010	0.099		
		8530095311	Test 1	Transfer Station	Downwind - Positioned near access road to stockpile area.	0.079	0.022	1.16	Reading was not sustained for more than 2 minutes at any point during test.
September 29, 2011	8530104303	Test 2	NBHS Campus	Upwind - Positioned in driveway south of the Flagpole Island.	0.007	0.005	0.009		
		8530104706	Test 1	NBHS Campus	Workzone - Positioned along northern edge of Flagpole Island.	0.025	0.018	0.128	
			Test 2			0.021	0.010	0.076	
		8530104209	Test 2	NBHS Campus	Downwind - Positioned across driveway to the north of the Flagpole Island.	0.012	0.006	0.039	
		8530100933	Test 2	Transfer Station	Upwind - Positioned in southeast corner of the stockpile area.	0.005	0.000	0.093	
		8530095310	Test 2	Transfer Station	Workzone - Positioned in eastern portion of the stockpile area.	0.014	0.004	0.081	
	8530095311	Test 2	Transfer Station	Downwind - Positioned near access road to stockpile area.	0.062	0.006	1.01	Reading was not sustained for more than 2 minutes at any point during test.	
October 3, 2011	8530100933	Test 1	NBHS Campus	Upwind - Positioned across driveway southeast of Flagpole Island.	0.008	0.006	0.022		
	8530095310	Test 1	NBHS Campus	Workzone - Positioned in driveway north of Flagpole Island.	0.010	0.004	0.067		
	8530104209	Test 1	NBHS Campus	Downwind - Positioned northwest of the Flagpole Island.	0.014	0.005	0.241	Reading was not sustained for more than 1 minute at any point during test.	
	8530104303	Test 1	Transfer Station	Upwind - Positioned in the southwestern corner of stockpile area.	0.014	0.005	0.354	Upwind reading was not sustained for more than 1 minute at any point during test.	
	8530104706	Test 1	Transfer Station	Workzone - Positioned in center of stockpile area.	0.018	0.009	0.188	Workzone reading was not sustained for more than 1 minute at any point during test.	
	8530095311	Test 1	Transfer Station	Downwind - Positioned near silt fence in northeast portion of stockpile area.	0.002	0.000	0.121		
October 4, 2011	8530100933	Test 1	NBHS Campus	Upwind - Positioned along northern edge of Flagpole Island.	0.014	0.007	0.568	Upwind reading was not sustained for more than 1 minute at any point during test.	
	8530095310	Test 1	NBHS Campus	Workzone - Positioned on southwest corner of Flagpole Island.	0.025	0.006	0.436	Workzone reading was not sustained for more than 2 minutes at any point during test.	
	8530095311	Test 1	NBHS Campus	Downwind - Positioned at northern end of island along Hathaway Blvd and student parking lot (southwest of Flagpole Island).	0.006	0.000	0.192	Reading was not sustained for more than 1 minute at any point during test.	
	8530104303	Test 1	Transfer Station	Upwind - Positioned along road in northwest corner of stockpile area.	0.008	0.004	0.048		
	8530104706	Test 1	Transfer Station	Workzone - Positioned in southeast area of stockpile area.	0.009	0.004	0.107		
	8530104209	Test 1	Transfer Station	Downwind - Positioned along southern edge of stockpile area.	0.011	0.004	0.085		

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New Bedford, Massachusetts
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October 5, 2011	8530100933	Test 1	NBHS Campus	Upwind - Positioned across driveway to the northeast of Flagpole Island.	0.015	0.012	0.018	
	8530095310	Test 1	NBHS Campus	Workzone - Positioned on southwest corner of Flagpole Island.	0.022	0.009	0.280	Workzone reading was not sustained for more than 2 minutes at any point during test.
	8530095311	Test 1	NBHS Campus	Downwind - Positioned across driveway south of Flagpole Island.	0.022	0.012	0.182	Reading was not sustained for more than 2 minutes at any point during test.
	8530104303	Test 1	Transfer Station	Upwind - Positioned adjacent to access road to stockpile area.	0.016	0.009	0.364	Upwind reading was not sustained for more than 2 minutes at any point during test.
	8530104706	Test 1	Transfer Station	Workzone - Positioned in west-central portion of stockpile area.	0.017	0.011	0.269	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530104209	Test 1	Transfer Station	Downwind - Positioned along southern edge of stockpile area.	0.015	0.011	0.060	
October 6, 2011	8530100933	Test 2	NBHS Campus	Upwind - Positioned at northwest corner of Flagpole Island	0.014	0.004	0.247	Upwind reading was not sustained for more than 1 minute at any point during test.
	8530095310	Test 2	NBHS Campus	Workzone - Positioned on southwest corner of Flagpole Island	0.040	0.004	1.94	Workzone reading was not sustained for more than 2 minutes at any point during test.
	8530095311	Test 2	NBHS Campus	Downwind - Positioned at north edge of southwestern student parking lot (south of Flagpole Island)	0.022	0.012	0.082	Downwind test not recorded. Manually recorded values listed.
	8530104303	Test 2	Transfer Station	Upwind - Positioned near bottom of access road to stockpile area	0.005	0.001	0.129	
	8530104706	Test 2	Transfer Station	Workzone - Positioned along eastern portion of Stockpile B3	NA	NA	NA	Equipment malfunction (battery charge). No data recorded by DustTrak unit.
	8530104209	Test 2	Transfer Station	Downwind - Position near northern edge of stockpile area	0.008	0.003	0.185	Reading was not sustained for more than 1 minute at any point during test.
October 8, 2011	8530100933	Test 3	NBHS Campus	Upwind - Positioned at northern end of island along Hathaway Blvd and student parking lot (southwest of Flagpole Island).	0.017	0.011	0.057	
	8530095310	Test 3	NBHS Campus	Workzone - Positioned near center of Flagpole Island.	0.020	0.007	0.178	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530095311	Test 2	NBHS Campus	Downwind - Positioned across driveway, northeast of Flagpole Island.	0.021	0.013	0.404	Reading was not sustained for more than 1 minute at any point during test.
	8530104303	Test 3	Transfer Station	Upwind - Positioned along western edge of stockpile area.	0.022	0.011	0.542	Upwind reading was not sustained for more than 2 minutes at any point during test.
	8530104706	Test 2	Transfer Station	Workzone - Positioned at bottom of access road to stockpile area.	0.046	0.013	1.19	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530104209	Test 3	Transfer Station	Downwind - Positioned between stockpiles along eastern edge of stockpile area.	0.033	0.014	1.21	Reading was not sustained for more than 3 minutes at any point during test.
October 10, 2011	8530100933	Test 4	NBHS Campus	Upwind - Positioned across driveway north of the Flagpole Island.	0.038	0.032	0.115	
	8530095310	Test 4	NBHS Campus	Workzone - Positioned in center of western end of Flagpole Island.	0.039	0.018	0.703	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530095311	Test 3	NBHS Campus	Downwind - Positioned across driveway to the southwest of Flagpole Island.	0.053	0.034	0.307	Reading was not sustained for more than 4 minutes at any point during test.
	8530104303	Test 4	Transfer Station	Upwind - Positioned along access road on western edge of stockpile area.	0.034	0.027	0.350	Upwind reading was not sustained for more than 1 minute at any point during test.
	8530104706	Test 3	Transfer Station	Workzone - Positioned in center of stockpile area.	0.094	0.038	3.27	Workzone reading was not sustained for more than 3 minutes at any point during test.
	8530104209	Test 4	Transfer Station	Downwind - Positioned in southeast corner of stockpile area.	0.042	0.027	0.451	Reading was not sustained for more than 2 minutes at any point during test.
October 11, 2011	8530100933	Test 1	NBHS Campus	Upwind - Positioned across driveway north of the Flagpole Island.	0.012	0.008	0.081	
	8530095310	Test 1	NBHS Campus	Workzone - Positioned along southern edge of Flagpole Island.	0.007	0.005	0.044	
	8530095311	Test 1	NBHS Campus	Downwind - Positioned across driveway to the southeast of Flagpole Island.	0.019	0.008	0.897	Reading was not sustained for more than 1 minute at any point during test.
	8530104303	Test 1	Transfer Station	Upwind - Positioned in northeast corner of stockpile area.	0.010	0.008	0.019	
	8530104706	Test 1	Transfer Station	Workzone - Positioned in center of southern portion of stockpile area.	0.015	0.008	0.158	Workzone reading was not sustained for more than 1 minute at any point during test.
	8530104209	Test 1	Transfer Station	Downwind - Positioned in southwest corner of stockpile area.	0.018	0.006	0.239	Reading was not sustained for more than 1 minute at any point during test.
October 12, 2011	8530100933	Test 1	NBHS Campus	Upwind - Positioned across driveway north of the Flagpole Island.	0.009	0.006	0.031	
	8530095310	Test 1	NBHS Campus	Workzone - Positioned in northern edge of Flagpole Island.	0.007	0.004	0.038	
	8530095311	Test 1	NBHS Campus	Downwind - Positioned across driveway, south of the Flagpole Island.	0.015	0.008	0.100	
	8530104303	Test 2	Transfer Station	Upwind - Positioned along eastern edge of stockpile area.	0.009	0.006	0.044	
	8530104706	Test 2	Transfer Station	Workzone - Positioned in south-central portion of stockpile area.	0.026	0.009	1.32	Workzone reading was not sustained for more than 2 minutes at any point during test.
	8530104209	Test 2	Transfer Station	Downwind - Positioned in southwest corner of stockpile area.	0.011	0.003	0.300	Reading was not sustained for more than 1 minute at any point during test.
October 13, 2011	8530100933	Test 2	NBHS Campus	Upwind - Positioned across driveway to the north of the Flagpole Island.	0.018	0.010	0.033	
	8530095310	Test 2	NBHS Campus	Workzone - Positioned near western edge of Flagpole Island.	0.012	0.005	0.028	
	8530095311	Test 2	NBHS Campus	Downwind - Positioned across driveway southwest of Flagpole Island.	0.023	0.013	0.053	
	8530104303	Test 3	Transfer Station	Upwind - Positioned near bottom of access road to stockpile area.	0.012	0.008	0.030	
	8530104706	Test 3	Transfer Station	Workzone - Positioned in center of stockpile area.	0.011	0.007	0.028	
	8530104209	Test 3	Transfer Station	Downwind - Positioned along southern edge of stockpile area.	0.015	0.009	0.030	
October 14, 2011	NA	NA	Transfer Station	DustTraks not run due to rainy/wet site conditions	NA	NA	NA	
October 15, 2011	8530100933	Test 1	NBHS Campus	Upwind - Positioned on northern end of island along Hathaway Blvd (southwest of Flagpole Island).	0.016	0.012	0.035	
	8530095310	Test 1	NBHS Campus	Workzone - Positioned along northern edge of Flagpole Island.	0.023	0.010	0.459	Workzone reading was not sustained for more than 2 minutes at any point during test.
	8530095311	Test 1	NBHS Campus	Downwind - Positioned near driveway to the northeast of Flagpole Island.	0.023	0.009	0.869	Reading was not sustained for more than 2 minutes at any point during test.
	8530104303	Test 1	Transfer Station	Upwind - Positioned in southwest corner of stockpile area.	0.014	0.011	0.034	
	8530104706	Test 1	Transfer Station	Workzone - Positioned in center of stockpile area.	0.023	0.015	0.111	
	8530104209	Test 1	Transfer Station	Downwind - Positioned along northern edge of stockpile area.	0.014	0.011	0.031	
October 21, 2011	8530100933	Test 3	NBHS Campus	Upwind - Positioned at northern end of island along Hathaway Blvd (southwest of Flagpole Island).	0.005	0.003	0.036	
	8530095310	Test 2	NBHS Campus	Workzone - Positioned along northern edge of Flagpole Island.	0.038	0.003	0.647	Workzone reading was not sustained for more than 9 minutes at any point during test.
	8530095311	Test 3	NBHS Campus	Downwind - Positioned across driveway to the north of the Flagpole Island.	0.005	0.000	0.205	Reading was not sustained for more than 1 minutes at any point during test.
October 28, 2011	8530104303	Test 2	Transfer Station	Upwind - Positioned near access road to stockpile area.	0.008	0.001	0.027	
	8530104706	Test 2	Transfer Station	Workzone - Positioned in the center of the stockpile area.	0.015	0.000	0.032	
	8530104209	Test 2	Transfer Station	Downwind - Positioned east of the silt fence in the southeast corner of stockpile area.	0.009	0.001	0.045	
November 7, 2011	8530104303	Test 3	Transfer Station	Upwind - Positioned near the access road in the northwest corner of stockpile area.	0.017	0.012	0.061	
	8530104706	Test 3	Transfer Station	Workzone - Positioned along the silt fence on the eastern edge of stockpile area.	0.028	0.019	0.068	
	8530104209	Test 3	Transfer Station	Downwind - Positioned in the southeast corner of the stockpile area.	0.015	0.012	0.033	

Table 1
Summary of DustTrak™ Data
New Bedford, Massachusetts
August 1, 2011 through January 5, 2012

Date	DustTrak™ Serial Number	Test ID	Site	DustTrak™ Location Notes	Average (mg/m ³)	Minimum (mg/m ³)	Maximum (mg/m ³) ⁽¹⁾	Comments ⁽²⁾
November 9, 2011	8530100933	Test 3	Transfer Station	Upwind - Positioned south of the stockpile area.	0.027	0.017	0.051	
	8530095310	Test 3	Transfer Station	Workzone - Positioned east of the stockpile area between the silt fence and the tree line.	0.011	0.006	0.024	
	8530095311	Test 3	Transfer Station	Downwind - Positioned along the northern edge of Flagpole Island.	0.026	0.014	0.094	
November 16, 2011	8530104303	Test 1	Transfer Station	Upwind - Positioned south of the stockpile area.	0.023	0.012	0.087	
	8530104706	Test 1	Transfer Station	Workzone - Positioned east of the stockpile area inside the silt fence.	0.031	0.020	0.043	
	8530104209	Test 1	Transfer Station	Downwind - Positioned along the northern edge of Flagpole Island.	0.021	0.011	0.046	
November 17, 2011	NA	NA	Transfer Station	DustTraks not run due to rainy/wet site conditions	NA	NA	NA	
November 29, 2011	8530104209	Test 2	Transfer Station	Downwind - Positioned along the northern edge of stockpile area.	0.010	0.005	0.051	
	8530104706	Test 2	Transfer Station	Workzone - Positioned east of the stockpile area along the silt fence.	0.017	0.000	0.061	
	8530104303	Test 2	Transfer Station	Upwind - Positioned south of the stockpile area beside the access stairs.	0.009	0.004	0.039	
December 6, 2011	8530104706	Test 1	Transfer Station	Workzone - Positioned south of the stockpile area and west of the access stairs.	0.008	0.005	0.033	
	8530104209	Test 1	Transfer Station	Downwind - Positioned northeast of the stockpile area along the silt fence.	0.017	0.009	0.041	
	8530104303	Test 1	Transfer Station	Upwind - Positioned south west of the stockpile area west of the access road.	0.008	0.007	0.016	
December 17, 2011	8530104303	Test 3	NBHS Campus	Upwind - Positioned on sidewalk northwest of excavation.	0.023	0.017	0.033	
	8530104706	Test 3	NBHS Campus	Workzone - Positioned on eastern edge of excavation.	0.043	0.011	0.272	Workzone reading was not sustained for more than 3 minutes at any point during test.
	8530104209	Test 4	NBHS Campus	Downwind - Positioned east of HB-22 excavation.	0.001	0.000	0.002	
January 3, 2012	8530104303	Test 4	Transfer Station	Upwind - Positioned in the northwest corner of the stockpile area.	0.004	0.001	0.112	Upwind reading was not sustained for more than 1 minute at any point during test.
	8530104706	Test 4	Transfer Station	Workzone - Positioned on the eastern edge of the stockpile area.	0.014	0.005	0.082	
	8530104209	Test 5	Transfer Station	Downwind - Positioned southeast of the stockpile area.	0.011	0.006	0.024	
	8530104209	Test 6	Transfer Station	Downwind - Positioned southeast of the stockpile area.	0.016	0.010	0.044	
January 5, 2012	8530104303	Test 5	Transfer Station	Upwind - Positioned in the northeast corner of the stockpile area.	0.036	0.023	0.237	Upwind reading was not sustained for more than 1 minute at any point during test.
	8530104706	Test 5	Transfer Station	Workzone - Positioned in the southwest portion of the stockpile area.	0.027	0.018	0.083	
	8530104209	Test 7	Transfer Station	Downwind - Positioned in the southeast corner of the stockpile area.	0.028	0.02	0.057	

NOTES:

TSI DustTrak™ units equipped with size-selective inlet for particles of 10 micrometers in diameter or less (PM10).
mg/m³ = milligrams per cubic meter.

(1) No exceedances occurred during RAM-related activities.

Bold values represent the maximum one minute interval at downwind (or nearest receptor) dust monitoring locations in excess of 150 µg/m³.

Site action level consists of sustained ambient dust levels that exceed the EPA National Ambient Air Quality Standard (NAAQS) of 150 µg/m³ at downwind sampling location.

A sustained reading would consist of readings lasting 15 minutes or longer.

(2) Please refer to Appendix A of RAM Status Report for full daily dust monitoring results.

(3) Met One E-BAM Mass Monitor used for dust monitoring activities. E-BAM units set to record at 10-minute intervals.

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
August 1, 2011	5:53	66.9	63.0	87	29.91	Calm	Calm	
	6:53	71.1	66.0	84	29.90	Calm	Calm	
	7:53	77.0	69.8	78	29.90	3.5	SSW	
	8:53	82.0	68.0	62	29.89	5.8	SW	
	9:53	86.0	68.0	55	29.88	8.1	SSW	
	10:53	87.1	69.1	55	29.88	10.4	SSW	
	11:53	88.0	66.0	48	29.87	13.8	SW	
	12:53	88.0	66.0	48	29.85	13.8	SSW	
	13:53	89.1	70.0	53	29.82	15	SSW	
	14:53	89.1	68.0	50	29.80	9.2	SSW	
	15:53	89.1	66.0	46	29.79	13.8	SW	
	16:53	86.0	66.2	51	29.77	13.8	SSW	
	17:53	82.9	68.0	60	29.77	9.2	SW	
	18:53	80.1	66.9	64	29.73	10.4	SW	
	1953	78.1	64.9	64	29.74	9.2	WSW	
	2053	75.0	66.0	73	29.76	Calm	Calm	
August 9, 2011	553	70.0	66.0	88	29.65	Calm		
	653	73.0	68.0	83	29.68	4.6	ENE	
	753	77.0	68.0	74	29.68	5.1	E	
	853	79.0	68.0	70	29.68	6.9	SE	
	953	81.0	70.0	70	29.68	8.1	SE	
	1053	81.0	66.0	62	29.68	10.4	SE	
	1153	81.0	66.0	62	29.68	9.2	SE	
	1253	82.0	66.0	58	29.68	9.2	SE	
	1353	81.0	70.0	70	29.65	12.1	SE	
	1453	81.0	68.0	66	29.65	11.5	SE	
	1553	77.0	66.0	69	29.62	8.1	SE	
	1653	75.0	66.0	74	29.62	11.5	SSE	
	1753	75.0	66.0	74	29.62	11.5	SE	
	1853	73.0	68.0	83	29.62	8.1	E	
	1931	73.0	66.0	78	29.62	1.5	SE	
	1953	73.0	66.0	78	29.59	11.5	ESE	
	2053	72.0	68.0	88	29.59	10.4	SE	
August 10, 2011	5:00	71.6	69.8	94	29.47	Calm	Calm	
	5:04	71.6	68.0	88	29.48	Calm	Calm	
	5:11	69.8	68.0	94	29.48	Calm	Calm	
	5:24	71.6	69.8	94	29.49	Calm	Calm	
	5:36	71.6	69.8	94	29.49	Calm	Calm	
	5:45	71.6	68.0	88	29.49	Calm	Calm	
	5:48	69.8	66.2	88	29.49	Calm	Calm	
	5:53	70.0	66.9	90	29.49	Calm	Calm	
	6:00	69.8	66.2	88	29.50	Calm	Calm	
	6:07	71.6	68.0	88	29.49	Calm	Calm	
	6:12	71.6	68.0	88	29.49	Calm	Calm	
	6:20	71.6	69.8	94	29.50	Calm	Calm	
	6:28	71.6	68.0	88	29.50	Calm	Calm	
	6:50	71.6	69.8	94	29.50	Calm	Calm	
	6:53	72.0	69.1	91	29.50	Calm	Calm	
	7:46	73.4	69.8	88	29.51	4.6	NW	
	7:53	73.9	70.0	87	29.51	3.5	Variable	
	8:02	73.4	69.8	88	29.51	4.6	NW	
	8:53	73.9	69.1	85	29.52	5.8	WNW	
	9:07	75.2	69.8	83	29.52	Calm	Calm	
	9:27	75.2	68.0	78	29.54	9.2	WNW	
	9:36	78.8	68.0	69	29.54	8.1	WNW	
	9:53	80.1	69.1	69	29.55	9.2	West	
	10:17	80.6	68.0	65	29.54	6.9	WNW	
	10:53	79.0	68.0	69	29.55	10.4	WNW	
	11:53	81.0	66.9	62	29.55	8.1	WNW	
	12:53	82.9	66.0	56	29.54	3.5	Variable	
	13:53	81.0	66.0	60	29.55	5.8	West	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
August 10, 2011	14:53	82.0	66.9	60	29.55	8.1	SW	
(continued)	15:53	82.9	68.0	60	29.55	11.5	WSW	
	16:53	81.0	66.9	62	29.56	13.8	SW	
	17:53	80.1	66.0	62	29.57	10.4	SW	
	19:53	78.1	64.9	64	29.58	8.1	WSW	
	20:40	69.8	64.4	83	29.64	6.9	SW	
	20:53	68.0	64.0	87	29.65	6.9	NNE	
August 11, 2011	553	63.0	63.0	100	29.74	Calm		
	620	64.0	63.0	94	29.77	5.8	S	
	638	64.0	64.0	100	29.77	3.5	SW	
	642	64.0	63.0	94	29.77	3.5	SW	
	651	64.0	64.0	100	29.77	3.5	SW	
	635	64.0	64.0	100	29.77	3.5	V	
	753	73.0	63.0	69	29.77	4.6	W	
	853	75.0	61.0	61	29.77	9.2	W	
	953	77.0	61.0	57	29.80	9.2	W	
	1053	79.0	61.0	54	29.77	5.8	NW	
	1153	81.0	59.0	48	29.77	11.5	SSW	
	1253	81.0	59.0	48	29.77	10.4	SSW	
	1353	81.0	61.0	51	29.77	10.4	SW	
	1453	81.0	61.0	51	29.77	15	SW	
	1553	79.0	61.0	54	29.77	9.2	SW	
	1653	79.0	59.0	51	29.80	8.1	SW	
	1753	75.0	59.0	57	29.80	4.6	SSW	
	1853	70.0	57.0	64	29.80	Calm		
	1953	64.0	61.0	88	29.83	Calm		
	2053	63.0	61.0	94	29.83	Calm		
August 12, 2011	553	59.0	57.0	94	29.92	Calm		
	653	66.0	57.0	73	29.95	6.9	W	
	753	72.0	55.0	57	29.95	8.1	WNW	
	853	73.0	55.0	53	29.98	6.9	NW	
	953	75.0	55.0	50	29.98	6.9	W	
	1053	77.0	55.0	47	29.98	8.1	SSW	
	1153	79.0	55.0	45	29.98	8.1	W	
	1253	81.0	55.0	42	29.95	6.9	W	
	1353	79.0	55.0	45	29.95	6.9	V	
	1453	81.0	55.0	42	29.95	6.9	NW	
	1553	81.0	55.0	42	29.95	9.2	WNW	
	1653	81.0	55.0	42	29.95	Calm		
	1753	79.0	57.0	48	29.98	Calm		
	1853	70.0	63.0	78	29.98	Calm		
	1953	66.0	61.0	83	30.10	Calm		
	2053	63.0	61.0	94	30.10	Calm		
August 15, 2011	5:53	70.0	68.0	93	29.80	5.8	East	0.01
	6:08	69.8	68.0	94	29.80	6.9	ESE	
	6:27	71.6	69.8	94	29.80	6.9	East	0.01
	6:53	71.1	68.0	90	29.79	9.2	East	0.01
	7:53	70.0	68.0	93	29.79	8.1	East	0.01
	8:43	69.8	68.0	94	29.79	8.1	East	
	8:53	69.8	68.0	94	29.78	8.1	ENE	
	8:57	69.8	68.0	94	29.78	6.9	ENE	0.01
	9:25	69.8	69.8	100	29.78	3.5	ENE	0.02
	9:53	71.1	69.1	93	29.77	8.1	East	0.03
	10:27	71.6	69.8	94	29.77	9.2	East	0.02
	10:53	71.1	69.1	93	29.76	8.1	East	0.03
	11:39	69.8	68.0	94	29.75	11.5	East	0.01
	11:49	69.8	68.0	94	29.75	11.5	East	0.01
	11:53	70.0	68.0	93	29.75	10.4	East	0.01
	12:38	69.8	66.2	88	29.73	8.1	ENE	0.02
	12:40	69.8	66.2	88	29.73	5.8	East	0.02

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
August 15, 2011	12:53	68.0	66.9	96	29.71	9.2	NNE	0.03
(continued)	13:00	68.0	66.2	94	29.71	11.5	NNE	0.01
	13:03	68.0	66.2	94	29.70	11.5	NNE	0.02
	13:38	68.0	66.2	94	29.69	13.8	ENE	0.09
	13:53	68.0	66.9	96	29.69	15	NE	0.13
	14:04	69.8	66.2	88	29.69	10.4	East	0.03
	14:53	68.0	66.0	93	29.68	10.4	ENE	0.17
	15:53				29.64		North	0.06
	16:03	66.2	64.4	94	29.64	9.2	NE	0.02
	16:05	66.2	64.4	94	29.64	10.4	NE	0.03
	16:53	66.0	64.9	96	29.62	10.4	NE	0.13
	17:53	66.0	64.0	93	29.60	11.5	NNE	0.10
	18:51	64.4	64.4	100	29.58	9.2	NNE	0.08
	18:53	64.9	64.0	97	29.58	9.2	North	0.08
	19:09	64.4	64.4	100	29.58	10.4	NNE	0.02
	19:53	66.0	64.0	93	29.58	9.2	North	0.07
	20:53	64.9	64.0	97	29.58	4.6	North	0.05
August 16, 2011	5:53	61.0	59.0	93	29.71	4.6	NW	0.01
	6:53	61.0	60.1	97	29.74	3.5	WNW	0.02
	7:24	62.6	60.8	94	29.75	3.5	Variable	0.01
	7:53	62.6	60.8	94	29.75	3.5	Variable	
	8:26	62.6	59.0	88	29.75	Calm	Calm	
	8:53	63.0	57.9	84	29.75	5.8	NNW	0.01
	9:53	66.0	59.0	78	29.77	5.8	North	0.02
	10:53	66.9	59.0	76	29.78	6.9	WNW	0.01
	11:53	71.1	60.1	68	29.79	4.6	Variable	0.01
	12:42	71.6	60.8	69	29.79	3.5	WNW	
	12:53	71.6	60.8	69	29.79	Calm	Calm	
	13:53	73.0	60.1	64	29.81	6.9	Variable	
	14:53	70.0	60.1	71	29.82	3.5	Variable	
	15:06	69.8	60.8	73	29.82	Calm	Calm	
	15:53	69.1	61.0	75	29.84	3.5	Variable	
	16:53	71.1	62.1	73	29.84	4.6	Variable	
	17:53	70.0	62.1	76	29.87	Calm	Calm	
	18:53	66.9	63.0	87	29.89	Calm	Calm	
	19:53	64.9	63.0	93	29.91	Calm	Calm	
	20:53	64.0	62.1	93	29.93	Calm	Calm	
August 17, 2011	5:02	57.2	57.2	100	30.03	Calm	Calm	
	5:15	57.2	57.2	100	30.04	Calm	Calm	
	5:23	57.2	57.2	100	30.04	Calm	Calm	
	5:36	57.2	57.2	100	30.04	Calm	Calm	
	5:44	57.2	57.2	100	30.04	Calm	Calm	
	5:51	57.2	55.4	94	30.05	Calm	Calm	
	5:53	57.0	55.9	96	30.05	Calm	Calm	
	6:03	57.2	55.4	94	30.05	Calm	Calm	
	6:07	57.2	55.4	94	30.05	Calm	Calm	
	6:27	59.0	57.2	94	30.06	Calm	Calm	
	6:38	59.0	59.0	100	30.06	Calm	Calm	
	6:53	61.0	60.1	97	30.07	Calm	Calm	
	7:53	69.1	64.0	84	30.09	Calm	Calm	
	8:53	73.9	64.0	71	30.10	Calm	Calm	
	9:53	77.0	63.0	62	30.11	3.5	Variable	
	10:53	80.1	57.0	45	30.11	6.9	WNW	
	11:53	81.0	55.9	42	30.12	5.8	NW	
	12:53	82.9	55.9	39	30.10	5.8	Variable	
	13:53	82.4	55.4	39	30.08	3.5	Variable	
	14:53	84.0	62.1	47	30.08	8.1	SW	
	15:53	82.0	59.0	45	30.07	12.7	SW	
	16:53	80.1	61.0	52	30.08	10.4	SSW	
	17:53	78.1	63.0	60	30.08	9.2	SW	
	18:53	75.0	64.9	71	30.07	6.9	SSW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
August 17, 2011	19:53	71.1	66.0	84	30.07	5.8	SW	
(continued)	20:53	68.0	64.9	90	30.07	5.8	SW	
August 18, 2011	5:19	64.4	62.6	94	30.07	Calm	Calm	
	5:53	64.0	63.0	96	30.06	Calm	Calm	
	6:31	62.6	62.6	100	30.06	5.8	SSW	
	6:49	64.4	64.4	100	30.06	4.6	SSW	
	6:53	64.9	64.0	97	30.06	4.6	SW	
	7:53	71.1	70.0	96	30.06	5.8	SW	
	8:53	75.0	69.1	82	30.05	11.5	SW	
	9:53	79.0	69.1	72	30.05	10.4	SSW	
	10:53	80.1	69.1	69	30.04	11.5	SSW	
	11:53	81.0	69.1	67	30.02	11.5	SW	
	12:53	82.0	69.1	65	30.00	13.8	SW	
	13:53	81.0	68.0	65	29.99	10.4	SW	
	14:53	84.0	66.0	55	29.97	12.7	SW	
	15:53	81.0	69.1	67	29.96	16.1	South	
	16:53	79.0	66.9	66	29.95	17.3	SSW	
	17:53	77.0	66.0	69	29.95	15	SSW	
	18:53	75.0	68.0	79	29.94	15	SSW	
	19:49	73.4	69.8	88	29.95	16.1	SW	
	19:50	73.0	70.0	90	29.95	13.8	SW	
	20:37	73.4	69.8	88	29.96	11.5	SW	
	20:53	73.0	70.0	90	29.96	9.2	SW	
August 19, 2011	5:53	66.9	64.9	93	29.92	Calm	Calm	
	6:53	68.0	66.2	94	29.95	3.5	SSW	
	7:53	73.0	68.0	84	29.94	9.2	SSW	
	8:53	77.0	69.1	76	29.94	11.5	WSW	
	9:53	79.0	69.1	72	29.94	9.2	WSW	
	10:53	80.6	68.0	65	29.93	8.1	SW	
	11:53	82.9	69.1	63	29.94	11.5	SW	
	12:18	82.4	69.8	66	29.94	15	South	
	12:38	80.6	69.8	70	29.93	17.3	SSW	
	12:53	82.0	70.0	67	29.92	10.4	SSW	
	13:53	82.4	68.0	62	29.92	13.8	SSW	
	14:53	80.1	66.0	62	29.92	15	SSW	
	15:53	81.0	70.0	69	29.91	15	SSW	
	16:53	78.1	71.1	79	29.91	10.4	SSW	
	17:53	75.9	71.1	85	29.91	10.4	SSW	
	18:53	75.0	70.0	84	29.92	9.2	SSW	
	19:53	73.0	70.0	90	29.94	5.8	SSW	
	20:53	73.0	70.0	90	29.94	4.6	South	
August 20, 2011	5:53	69.1	68.0	96	29.94	Calm	Calm	
	6:51	69.8	69.8	100	29.96	Calm	Calm	
	6:53	70.0	69.1	97	29.96	Calm	Calm	
	7:05	71.6	69.8	94	29.96	3.5	South	
	7:53	72.0	71.1	97	29.97	4.6	SSW	
	8:53	73.9	71.1	91	29.96	5.8	SW	
	9:41	75.2	71.6	89	29.97	6.9	SSW	
	9:53	77.0	71.1	82	29.97	6.9	SW	
	10:00	77.0	69.8	78	29.97	5.8	SSW	
	10:07	77.0	69.8	78	29.97	5.8	SSW	
	10:51	80.6	69.8	70	29.97	8.1	South	
	10:53	80.1	70.0	71	29.97	6.9	SSW	
	11:53	80.1	69.1	69	29.97	10.4	SW	
	12:53	82.0	66.0	58	29.96	9.2	SSW	
	12:55	82.4	66.2	58	29.96	11.5	SSW	
	13:53	82.4	66.2	58	29.96	11.5	SSW	
	14:53	82.4	66.2	58	29.95	15	South	
	15:53	80.6	66.2	61	29.96	11.5	South	
	16:53	80.1	64.9	60	29.96	12.7	SSW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
August 20, 2011	17:53	78.1	66.9	68	29.95	9.2	South	
(continued)	18:53	75.0	68.0	79	29.95	6.9	South	
	19:53	73.0	68.0	84	29.98	8.1	South	
	20:53	71.6	68.0	88	29.99	4.6	South	
August 22, 2011	5:53	72.0	69.1	91	29.69	6.9	WSW	
	6:45	71.6	68.0	88	29.70	5.8	WSW	
	6:53	72.0	68.0	87	29.70	6.9	WSW	
	7:53	73.0	64.0	73	29.74	6.9	WNW	
	8:53	72.0	59.0	64	29.75	6.9	NW	
	9:53	73.0	57.0	57	29.76	10.4	NW	
	10:53	73.9	55.0	52	29.76	17.3	WNW	
	11:53	75.9	53.1	45	29.75	10.4	WNW	
	12:53	77.0	55.0	47	29.75	10.4	WNW	
	13:53	78.1	53.1	42	29.75	12.7	West	
	14:53	78.8	53.6	42	29.75	13.8	WNW	
	15:53	77.0	53.1	43	29.76	5.8	NW	
	16:53	75.9	53.1	45	29.77	4.6	Variable	
	17:53	75.9	52.0	43	29.79	4.6	Variable	
	18:53	73.0	54.0	51	29.80	Calm	Calm	
	19:53	66.9	55.9	68	29.81	Calm	Calm	
	20:53	61.0	57.9	90	29.84	Calm	Calm	
August 23, 2011	5:53	57.9	52.0	81	29.94	3.5	WNW	
	6:53	57.0	52.0	83	29.96	Calm	Calm	
	7:53	63.0	53.1	70	29.97	3.5	Variable	
	8:53	68.0	52.0	56	29.98	4.6	Variable	
	9:53	71.1	50.0	47	29.99	3.5	Variable	
	10:53	73.9	48.0	40	29.99	5.8	Variable	
	11:53	75.9	45.0	33	29.99	5.8	Variable	
	12:53	75.2	48.2	38	29.98	4.6	Variable	
	13:53	78.1	46.0	32	29.97	6.9	West	
	14:53	75.2	46.4	36	29.96	Calm	Calm	
	15:53	75.9	50.0	40	29.97	13.8	SW	
	16:53	73.9	53.1	48	29.99	13.8	SSW	
	17:53	73.0	52.0	48	30.00	11.5	SSW	
	18:53	70.0	55.0	59	30.01	8.1	SW	
	19:53	66.9	57.0	70	30.03	6.9	SW	
	20:53	66.0	57.9	75	30.05	5.8	WSW	
August 24, 2011	5:53	57.0	55.9	96	30.08	Calm	Calm	
	6:53	60.1	57.9	93	30.10	Calm	Calm	
	7:53	68.0	64.0	87	30.11	5.8	SSW	
	8:53	73.9	63.0	68	30.11	10.4	South	
	9:53	75.9	62.1	62	30.12	10.4	SW	
	10:53	77.0	62.1	60	30.12	12.7	South	
	11:53	77.0	60.1	56	30.11	12.7	SW	
	12:53	77.0	61.0	58	30.09	16.1	South	
	13:53	77.0	62.1	60	30.09	12.7	South	
	14:53	75.9	62.1	62	30.08	18.4	SSW	
	15:53	75.0	61.0	62	30.06	18.4	South	
	16:53	73.9	57.9	57	30.04	19.6	SSW	
	17:53	73.9	55.9	53	30.04	15	South	
	18:53	71.1	57.9	63	30.04	10.4	South	
	19:53	69.1	60.1	73	30.04	5.8	South	
	20:53	68.0	61.0	78	30.04	8.1	South	
August 25, 2011	5:53	69.1	66.9	93	29.97	5.8	SSW	
	6:53	71.1	66.9	87	29.96	5.8	South	
	7:53	73.9	68.0	82	29.95	9.2	South	
	8:53	77.0	69.8	78	29.94	12.7	South	
	9:53	80.1	70.0	71	29.94	12.7	SSW	
	10:25	78.8	69.8	74	29.94	15	SW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
August 25, 2011	10:36	80.6	71.6	74	29.95	15	South	
(continued)	10:53	80.1	71.1	74	29.95	17.3	SW	
	11:12	80.6	71.6	74	29.94	16.1	SW	
	11:21	80.6	71.6	74	29.93	16.1	South	
	11:53	81.0	72.0	74	29.94	19.6	SSW	
	12:53	81.0	72.0	74	29.94	17.3	SSW	
	13:36	80.6	71.6	74	29.92	18.4	SW	
	13:53	81.0	72.0	74	29.91	24.2	SSW	
	14:22	80.6	71.6	74	29.91	18.4	SSW	
	14:53	79.0	72.0	79	29.91	20.7	SSW	
	15:34	78.8	71.6	78	29.89	17.3	SSW	
	15:53	78.1	72.0	81	29.88	20.7	SSW	
	16:53	77.0	72.0	84	29.88	20.7	SSW	
	17:09	75.2	71.6	89	29.88	18.4	SSW	
	17:50	75.2	71.6	89	29.89	19.6	SW	
	17:53	77.0	72.0	84	29.89	20.7	SW	
	18:53	75.9	72.0	87	29.87	17.3	SSW	
	19:53	73.9	70.0	87	29.88	12.7	SW	
	20:53	75.0	72.0	90	29.90	16.1	SW	
August 31, 2011	5:53				30.15		North	
	6:53				30.17		North	
	7:53				30.18	Calm	Calm	
	8:53				30.18	Calm	Calm	
	9:53				30.18	Calm	Calm	
	10:53				30.19	5.8	North	
	11:53				30.18	5.8	North	
	12:53				30.18	5.8	WNW	
	13:53				30.17	Calm	Calm	
	14:53				30.16	9.2	SSE	
	15:53				30.15	9.2	SSE	
	16:53				30.15	6.9	South	
	17:53				30.16	9.2	South	
	18:53				30.16	9.2	South	
	19:53				30.17		North	
	20:53				30.18	9.2	SE	
September 1, 2011	5:53			N/A	30.19		North	
	6:53			N/A	30.20	Calm	Calm	
	7:53			N/A	30.21	Calm	Calm	
	8:53	69.1	63.0	81	30.22	3.5	East	
	9:53	73.4	59.0	61	30.21	5.8	ENE	
	10:53	75.0	55.9	51	30.21	8.1	ESE	
	11:53	75.9	53.1	45	30.21	Calm	Calm	
	12:53	78.1	55.0	45	30.18	6.9	East	
	13:53	78.8	57.2	47	30.17	6.9	East	
	14:53	80.6	55.4	42	30.16	11.5	ENE	
	15:53	77.0	53.1	43	30.15	9.2	East	
	16:53	73.9	53.1	48	30.15	10.4	East	
	17:53	71.1	53.1	53	30.15	6.9	ENE	
	18:53	69.1	54.0	58	30.14	6.9	East	
	19:53	64.0	54.0	70	30.14	4.6	NE	
	20:53	61.0	54.0	78	30.15	3.5	NE	
September 6, 2011	5:00	73.4	69.8	88	29.81	9.2	SSW	
	5:53	73.4	69.8	88	29.83	4.6	West	
	6:06	66.2	64.4	94	29.86	8.1	North	0.09
	6:27	60.8	59.0	94	29.88	11.5	North	0.43
	6:36	60.8	59.0	94	29.89	12.7	North	0.55
	6:53	60.8	59.0	94	29.89	10.4	North	
	7:01	60.8	59.0	94	29.89	9.2	North	0.02
	7:07	60.8	59.0	94	29.90	9.2	North	0.02
	7:17	60.8	57.2	88	29.91	10.4	NNE	0.05

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
September 6, 2011	7:24	60.8	59.0	94	29.92	11.5	North	0.07
(continued)	7:37	60.8	59.0	94	29.92	8.1	North	0.10
	7:46	60.8	59.0	94	29.93	8.1	North	0.10
	7:53	60.1	59.0	96	29.93	9.2	North	0.11
	8:08	60.8	59.0	94	29.94	9.2	North	
	8:48	60.8	59.0	94	29.95	8.1	North	0.05
	8:53	61.0	59.0	93	29.96	9.2	North	0.06
September 7, 2011	5:53	60.8	59.0	94	30.17	8.1	ENE	
	6:11	60.8	59.0	94	30.17	8.1	ENE	
	6:22	60.8	59.0	94	30.17	9.2	ENE	0.01
	6:37	60.8	59.0	94	30.17	9.2	ENE	0.02
	6:46	60.8	59.0	94	30.17	9.2	East	0.02
	6:53	61.0	59.0	93	30.18	8.1	ENE	0.02
	7:09	60.8	59.0	94	30.19	6.9	ENE	
	7:53	60.8	60.8	100	30.20	6.9	ENE	
	8:53	63.0	61.0	93	30.20	8.1	NE	
	9:08	62.6	60.8	94	30.20	9.2	NE	
	11:53	64.0	62.1	93	30.19	10.4	ENE	0.03
	12:19	64.4	62.6	94	30.17	11.5	ENE	
	12:53	64.9	63.0	93	30.17	9.2	ENE	
	15:23	66.2	64.4	94	30.13	8.1	ENE	
	15:30	66.2	64.4	94	30.12	9.2	NE	
	15:39	66.2	64.4	94	30.12	6.9	North	
	15:53	66.0	64.0	93	30.12	4.6	North	
	16:00	66.2	64.4	94	30.12	5.8	NNE	
	16:53	66.0	64.0	93	30.12	4.6	NNE	0.12
	17:53	64.4	64.4	100	30.12	4.6	Variable	
	19:06	64.4	62.6	94	30.12	4.6	North	
	19:31	64.4	62.6	94	30.13	3.5	North	0.01
	19:53	63.0	62.1	97	30.13	5.8	North	0.01
	20:53	63.0	61.0	93	30.13	5.8	North	
September 8, 2011	5:35	60.8	59.0	94	30.05	5.8	NNE	
	5:53	61.0	59.0	93	30.06	5.8	North	0.01
	6:53	61.0	59.0	93	30.07	5.8	NNE	
	7:22	60.8	59.0	94	30.08	6.9	NE	0.01
	7:26	60.8	59.0	94	30.07	8.1	NNE	0.04
	7:33	60.8	59.0	94	30.08	9.2	NNE	0.04
	7:53	61.0	59.0	93	30.08	6.9	NNE	0.05
	8:53	61.0	59.0	93	30.09	8.1	NNE	0.17
	9:53	60.1	59.0	96	30.10	10.4	North	0.03
	10:01	60.8	59.0	94	30.12	5.8	NNW	0.05
	10:08	60.8	59.0	94	30.13	9.2	WNW	0.19
	10:17	59.0	57.2	94	30.08	16.1	NNE	0.88
	10:36	60.8	59.0	94	30.08	13.8	NE	1.02
	10:43	60.8	59.0	94	30.09	8.1	NNE	1.05
	10:53	60.1	59.0	96	30.09	4.6	North	1.07
	11:32	60.8	57.2	88	30.09	5.8	NE	
	11:53	60.1	59.0	96	30.06	8.1	NE	0.16
	12:00	60.8	59.0	94	30.05	10.4	ENE	0.03
	12:13	60.8	59.0	94	30.02	13.8	ENE	0.06
	12:53	63.0	60.1	90	30.03	Calm	Calm	0.07
	13:01	62.6	60.8	94	30.03	Calm	Calm	
	13:53	66.9	63.0	87	30.02	Calm	Calm	
	14:53	66.9	64.0	90	30.00	5.8	North	
	15:05	68.0	64.4	88	30.00	5.8	North	
	15:43	64.4	62.6	94	30.00	11.5	North	
	15:53	64.9	62.1	90	30.00	8.1	NNE	
	16:53	62.1	61.0	96	30.00	8.1	NNE	
	17:16	62.6	60.8	94	30.00	10.4	NNE	
	17:53	62.1	60.1	93	30.00	8.1	NE	
	18:00	62.6	60.8	94	30.00	8.1	NNE	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
September 8, 2011	18:49	62.6	60.8	94	29.99	4.6	North	
(continued)	18:53	62.1	60.1	93	29.99	4.6	North	
	19:53	62.1	59.0	90	29.99	4.6	NNE	
	20:53	62.1	59.0	90	29.98	4.6	North	
September 10, 2011	5:53	55.9	54.0	93	29.85	Calm	Calm	
	6:53	61.0	57.0	87	29.87	Calm	Calm	
	7:53	66.0	60.1	81	29.88	Calm	Calm	0.01
	8:53	70.0	60.1	71	29.89	4.6	North	
	9:53	73.0	57.9	59	29.91	8.1	NNE	
	10:53	73.9	59.0	59	29.92	6.9	North	
	11:53	75.2	60.8	61	29.93	8.1	NNE	
	12:53	73.9	57.0	55	29.93	11.5	NE	
	13:53	75.0	55.9	51	29.93	9.2	NNE	
	14:53	75.0	55.9	51	29.93	3.5	Variable	
	15:53	73.4	55.4	53	29.94	11.5	NNE	
	16:53	70.0	54.0	57	29.95	8.1	East	
	17:53	68.0	53.1	59	29.97	9.2	East	
	18:53	63.0	51.1	65	29.99	8.1	ENE	
	19:53	59.0	50.0	72	30.01	6.9	ENE	
	20:53	57.9	52.0	81	30.05	Calm	Calm	
September 11, 2011	5:53	50.0	48.9	96	30.13	Calm	Calm	
	6:53	48.9	48.0	97	30.14	Calm	Calm	
	7:53	59.0	53.6	82	30.15	Calm	Calm	
	8:53	64.0	52.0	65	30.15	9.2	East	
	9:53	66.9	51.1	57	30.16	8.1	East	
	10:53	68.0	48.9	50	30.16	6.9	Variable	
	11:53	69.1	52.0	54	30.15	9.2	SSE	
	12:53	69.1	52.0	54	30.12	9.2	SSE	
	13:53	69.1	52.0	54	30.12	9.2	SE	
	14:53	70.0	51.1	51	30.10	8.1	SE	
	15:53	69.1	52.0	54	30.08	8.1	SE	
	16:53	68.0	53.1	59	30.07	4.6	SSE	
	17:53	66.9	54.0	63	30.06	5.8	South	
	18:53	64.0	55.0	73	30.06	4.6	SSE	
	19:53	60.8	55.4	82	30.06	3.5	SSW	
	20:53	59.0	55.4	88	30.05	Calm	Calm	
September 12, 2011	5:40	64.4	62.6	94	29.99	3.5	SSW	
	5:53	64.9	63.0	93	29.99	3.5	South	
	6:26	64.4	64.4	100	30.00	4.6	WSW	
	6:35	64.4	64.4	100	29.99	Calm	Calm	
	6:53	64.9	64.0	97	30.00	3.5	WSW	
	7:03	64.4	64.4	100	30.00	3.5	WSW	
	7:23	66.2	64.4	94	30.01	4.6	WSW	
	7:53	66.9	64.9	93	30.01	3.5	WSW	
	8:19	66.2	64.4	94	30.01	8.1	West	
	8:53	69.1	64.9	87	30.01	5.8	SW	
	9:20	71.6	64.4	78	30.00	8.1	West	
	9:53	73.0	64.0	73	30.00	5.8	West	
	10:37	73.4	64.4	73	30.01	-9999	North	
	10:53	73.4	64.4	73	30.01	9.2	WSW	
	11:53	77.0	64.4	65	29.99	8.1	West	
	12:53	77.0	64.4	65	29.98	4.6	West	
	13:53	77.0	64.4	65	29.96	9.2	West	
	14:44	78.8	64.4	61	29.94	6.9	SW	
	14:51	78.8	64.4	61	29.94	4.6	SSW	
	14:53	78.8	64.4	61	29.94	8.1	SSW	
	15:53	75.0	64.9	71	29.94	12.7	SSW	
	16:53	75.0	66.0	73	29.94	10.4	SSW	
	17:53	72.0	66.0	81	29.94	8.1	SSW	
	18:53	69.1	64.9	87	29.94	5.8	SSW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
September 12, 2011	19:53	66.0	63.0	90	29.96	4.6	SSW	
(continued)	20:53	66.9	64.0	90	29.97	5.8	SW	
September 13, 2011	5:21	62.6	60.8	94	29.93	Calm	Calm	
	5:31	60.8	60.8	100	29.93	Calm	Calm	
	5:49	62.6	60.8	94	29.93	Calm	Calm	
	5:53	61.0	60.1	97	29.94	Calm	Calm	
	6:35	62.6	62.6	100	29.93	Calm	Calm	
	6:53	63.0	62.1	97	29.94	Calm	Calm	
	7:09	64.4	62.6	94	29.94	Calm	Calm	
	7:20	64.4	62.6	94	29.94	Calm	Calm	
	7:48	66.2	64.4	94	29.94	4.6	SSW	
	7:53	66.0	64.9	96	29.94	5.8	SSW	
	8:00	66.2	66.2	100	29.94	5.8	SSW	
	8:13	66.2	66.2	100	29.94	5.8	SSW	
	8:27	66.2	66.2	100	29.94	5.8	SSW	
	8:34	68.0	66.2	94	29.94	6.9	SSW	
	8:53	69.1	68.0	96	29.94	8.1	SW	
	8:59	69.8	68.0	94	29.93	6.9	SSW	
	9:53	75.9	66.9	74	29.94	6.9	SW	
	10:53	79.0	64.0	60	29.94	9.2	WSW	
	11:53	80.1	63.0	56	29.93	11.5	WSW	
	12:53	82.0	62.1	51	29.91	13.8	SW	
	13:53	80.6	62.6	54	29.89	15	SW	
	14:53	80.6	64.4	58	29.88	15	SSW	
	15:53	79.0	64.0	60	29.88	15	SSW	
	16:53	75.9	64.0	67	29.88	15	South	
	17:53	73.0	64.0	73	29.89	11.5	SSW	
	18:53	71.1	63.0	75	29.89	8.1	SSW	
	19:53	69.1	64.0	84	29.90	9.2	SSW	
	20:53	69.8	64.4	83	29.91	8.1	SW	
September 14, 2011	5:53	68.0	66.2	94	29.90	5.8	SW	
	6:34	68.0	66.2	94	29.91	5.8	SW	
	6:53	68.0	66.0	93	29.91	4.6	SW	
	7:53	71.1	66.9	87	29.92	5.8	SW	
	8:53	75.0	66.9	76	29.93	8.1	SW	
	9:53	78.1	66.0	66	29.93	13.8	SW	
	10:53	79.0	68.0	69	29.93	11.5	South	
	11:53	80.1	66.9	64	29.94	17.3	SSW	
	12:53	81.0	66.0	60	29.92	13.8	SW	
	13:53	80.1	68.0	67	29.92	16.1	SSW	
	14:53	79.0	68.0	69	29.92	13.8	SSW	
	15:53	78.1	68.0	71	29.93	11.5	South	
	16:53	77.0	68.0	74	29.93	10.4	South	
	17:53	73.9	68.0	82	29.93	9.2	South	
	18:53	71.1	66.9	87	29.94	5.8	SSW	
	19:53	70.0	66.9	90	29.94	6.9	South	
	20:53	69.1	66.9	93	29.95	6.9	SSW	
September 15, 2011	5:53	69.1	66.9	93	29.90	4.6	SSW	
	6:02	68.0	66.2	94	29.90	5.8	South	
	6:53	68.0	66.0	93	29.89	4.6	SSW	
	7:14	69.8	66.2	88	29.89	6.9	SSW	
	7:53	69.8	66.2	88	29.89	8.1	SSW	
	8:53	73.0	68.0	84	29.88	13.8	SSW	
	9:11	71.6	68.0	88	29.89	12.7	SSW	
	9:53	73.9	68.0	82	29.89	13.8	SW	
	10:35	75.2	69.8	83	29.88	10.4	SSW	
	10:53	77.0	69.1	76	29.88	10.4	SSW	
	11:53	78.1	69.1	74	29.86	10.4	SSW	
	12:53	79.0	70.0	74	29.84	12.7	South	
	13:53	80.1	68.0	67	29.81	12.7	SSW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
September 15, 2011	14:53	78.1	68.0	71	29.79	12.7	South	
(continued)	15:53	77.0	69.8	78	29.79	11.5	SSW	
	16:53	73.9	64.9	73	29.79	6.9	NNE	
	17:53	70.0	64.0	81	29.81	4.6	NNE	
	18:06	69.8	64.4	83	29.81	3.5	Variable	
	18:13	69.8	64.4	83	29.81	Calm	Calm	
	18:34	69.8	64.4	83	29.81	5.8	North	
	18:53	69.1	63.0	81	29.82	Calm	Calm	
	19:05	68.0	62.6	83	29.82	Calm	Calm	
	19:53	66.2	59.0	78	29.84	8.1	NW	
	20:00	66.2	59.0	78	29.85	8.1	NNW	
	20:53	62.1	57.9	86	29.88	10.4	NW	0.02
September 16, 2011	5:53	48.0	39.9	74	30.09	9.2	WNW	
	6:53	46.9	39.9	77	30.14	6.9	WNW	
	7:53	50.0	39.9	68	30.17	4.6	WNW	
	8:53	53.1	37.9	57	30.19	9.2	NNW	
	9:53	55.4	39.2	54	30.22	10.4	NW	
	10:53	57.9	39.0	49	30.22	6.9	NNW	
	11:53	60.1	39.9	47	30.22	9.2	West	
	12:53	62.1	37.9	41	30.20	11.5	West	
	13:53	64.4	39.2	40	30.20	6.9	WNW	
	14:53	66.0	39.9	38	30.20	4.6	NW	
	15:53	64.9	37.0	36	30.20	10.4	West	
	16:53	64.0	37.9	38	30.22	4.6	Variable	
	17:53	62.1	37.9	41	30.24	3.5	NW	
	18:53	55.9	44.1	64	30.25	Calm	Calm	
	19:53	53.1	44.1	71	30.27	Calm	Calm	
	20:53	50.0	43.0	77	30.29	Calm	Calm	
September 19, 2011	5:53	48.0	46.0	93	30.29	Calm	Calm	
	6:53	46.4	44.6	93	30.29	3.5	North	
	7:53	51.8	48.2	88	30.30	4.6	Variable	
	8:53	57.9	51.1	78	30.29	3.5	Variable	
	9:53	62.1	52.0	70	30.28	10.4	NE	
	10:38	66.2	50.0	56	30.28	8.1	NE	
	10:53	64.9	48.9	56	30.28	9.2	NE	
	11:53	66.0	48.0	52	30.26	12.7	ENE	
	12:53	64.9	48.0	54	30.25	6.9	NE	
	13:53	66.9	48.9	52	30.23	9.2	NE	
	14:53	66.0	50.0	56	30.22	8.1	NNE	
	15:53	66.9	50.0	54	30.20	9.2	East	
	16:53	64.0	51.1	63	30.19	6.9	East	
	17:53	62.1	51.1	67	30.19	4.6	East	
	18:53	59.0	50.0	72	30.18	5.8	ENE	
	19:53	54.0	50.0	86	30.18	3.5	ENE	
	20:53	53.1	50.0	89	30.19	Calm	Calm	
September 20, 2011	5:53	51.1	48.9	92	30.12	Calm	Calm	
	6:53	54.0	51.1	90	30.13	Calm	Calm	
	7:53	57.9	55.0	90	30.13	3.5	SSW	
	8:53	62.1	57.0	84	30.13	6.9	SSW	
	9:40	64.4	57.2	77	30.13	12.7	SSW	
	10:01	64.4	57.2	77	30.13	11.5	South	
	10:32	66.2	57.2	73	30.13	11.5	SSW	
	10:53	66.0	55.9	70	30.13	10.4	SW	
	11:03	66.2	55.4	68	30.13	10.4	SW	
	11:53	66.0	57.0	73	30.13	11.5	SW	
	12:53	66.9	57.9	73	30.11	12.7	SW	
	13:53	66.9	59.0	76	30.10	10.4	SW	
	14:15	66.2	57.2	73	30.10	11.5	SW	
	14:53	66.9	59.0	76	30.09	15	SW	
	15:53	64.9	60.1	84	30.09	9.2	SW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
September 20, 2011	16:53	66.0	61.0	84	30.09	10.4	SW	
(continued)	17:06	66.2	60.8	83	30.08	9.2	WSW	
	17:29	66.2	60.8	83	30.09	8.1	SW	
	17:53	66.0	61.0	84	30.09	8.1	SW	
	18:00	66.2	60.8	83	30.09	6.9	SW	
	18:53	64.9	61.0	87	30.10	5.8	SW	
	19:53	64.9	62.1	90	30.12	4.6	WSW	
	20:53	66.2	62.6	88	30.14	3.5	WSW	
September 21, 2011	5:02	57.2	55.4	94	30.20	Calm	Calm	
	5:34	55.4	53.6	94	30.21	Calm	Calm	
	5:53	57.0	55.9	96	30.21	Calm	Calm	
	6:38	53.6	53.6	100	30.22	Calm	Calm	
	6:53	55.9	55.0	97	30.22	Calm	Calm	
	7:06	55.4	55.4	100	30.22	Calm	Calm	
	7:53	59.0	57.9	96	30.24	Calm	Calm	
	8:53	66.9	61.0	81	30.25	Calm	Calm	
	9:53	69.8	62.6	78	30.26	Calm	Calm	
	10:53	72.0	59.0	64	30.25	Calm	Calm	
	11:53	75.0	62.1	64	30.24	9.2	SE	
	12:53	73.0	61.0	66	30.24	9.2	SSE	
	13:53	75.0	62.1	64	30.23	11.5	SSW	
	14:53	75.9	61.0	60	30.22	9.2	SSW	
	15:53	72.0	61.0	68	30.22	9.2	South	
	16:53	71.6	60.8	69	30.22	13.8	South	
	17:53	70.0	60.1	71	30.22	8.1	SSW	
	18:53	68.0	62.1	81	30.23	4.6	SSW	
	19:53	66.0	63.0	90	30.23	3.5	South	
	20:53	66.0	63.0	90	30.25	Calm	Calm	
September 22, 2011	5:01	66.2	64.4	94	30.14	Calm	Calm	
	5:29	66.2	64.4	94	30.14	Calm	Calm	
	5:45	68.0	66.2	94	30.14	3.5	ESE	
	5:53	68.0	66.0	93	30.14	3.5	ESE	
	6:00	68.0	66.2	94	30.14	Calm	Calm	
	6:23	68.0	66.2	94	30.14	Calm	Calm	0.01
	6:33	68.0	66.2	94	30.14	3.5	SE	0.04
	6:51	68.0	66.2	94	30.14	Calm	Calm	0.11
	6:53	68.0	66.0	93	30.14	Calm	Calm	0.13
	6:59	68.0	66.2	94	30.14	3.5	East	0.04
	7:14	68.0	66.2	94	30.14	Calm	Calm	0.07
	7:22	68.0	66.2	94	30.14	3.5	SSE	0.07
	7:44	69.8	66.2	88	30.14	Calm	Calm	0.07
	7:53	69.1	66.9	93	30.14	Calm	Calm	0.07
	8:01	69.8	66.2	88	30.14	Calm	Calm	0.01
	8:18	69.8	66.2	88	30.14	3.5	WNW	0.03
	8:53	69.1	66.9	93	30.14	Calm	Calm	0.04
	9:00	69.8	68.0	94	30.14	3.5	SE	
	9:23	69.8	68.0	94	30.14	5.8	SE	0.01
	9:53	70.0	66.9	90	30.14	5.8	SSE	0.05
	10:01	69.8	66.2	88	30.14	8.1	SE	
	10:53	71.1	68.0	90	30.13	6.9	SSE	
	11:53	69.8	68.0	94	30.13	10.4	SSE	
	12:13	69.8	68.0	94	30.12	3.5	SSE	
	12:53	71.6	69.8	94	30.11	8.1	SSE	
	13:53	71.6	69.8	94	30.10	8.1	SSE	
	14:40	71.6	69.8	94	30.10	6.9	SSE	
	14:53	72.0	69.1	91	30.10	6.9	SSE	
	15:53	71.6	69.8	94	30.09	6.9	South	
	16:00	71.6	69.8	94	30.09	6.9	South	
	16:53	72.0	68.0	87	30.09	4.6	SSW	
	17:53	71.1	68.0	90	30.09	5.8	South	
	18:13	69.8	68.0	94	30.10	8.1	SSW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
September 22, 2011	18:53	70.0	68.0	93	30.11	5.8	SSW	
(continued)	19:41	69.8	66.2	88	30.10	6.9	SSW	
	19:53	69.1	66.9	93	30.11	8.1	SSW	
	20:53	69.1	66.9	93	30.12	5.8	SW	
September 23, 2011	5:36	68.0	66.2	94	30.11	3.5	SW	
	5:53	68.0	66.9	96	30.12	4.6	WSW	
	6:11	68.0	66.2	94	30.11	4.6	WSW	
	6:42	68.0	66.2	94	30.12	Calm	Calm	
	6:49	68.0	66.2	94	30.12	Calm	Calm	
	6:53	68.0	66.9	96	30.13	Calm	Calm	
	6:57	68.0	66.2	94	30.13	3.5	West	
	7:53	68.0	66.9	96	30.14	Calm	Calm	
	8:00	68.0	66.2	94	30.14	Calm	Calm	
	8:12	68.0	66.2	94	30.14	Calm	Calm	
	8:19	69.8	68.0	94	30.14	Calm	Calm	
	8:53	69.1	66.9	93	30.15	3.5	NNW	
	9:42	71.6	68.0	88	30.16	3.5	NE	
	9:53	71.1	66.9	87	30.15	3.5	NNE	
	10:53	73.0	68.0	84	30.15	3.5	Variable	
	11:53	71.6	68.0	88	30.15	8.1	SSE	
	12:36	71.6	68.0	88	30.14	5.8	ESE	0.04
	12:49	71.6	69.8	94	30.13	6.9	SE	0.05
	12:50	71.1	69.1	93	30.14	6.9	SE	0.06
	13:53	71.6	69.8	94	30.12	3.5	SSE	
	14:00	71.6	69.8	94	30.12	3.5	SSE	
	14:53	71.6	69.8	94	30.12	5.8	SE	
	15:53	71.1	69.1	93	30.10	4.6	SE	0.05
	16:53	71.1	69.1	93	30.09	5.8	SE	
	17:48	71.6	69.8	94	30.08	6.9	ESE	0.03
	17:53	71.1	69.1	93	30.08	6.9	ESE	0.05
	18:53	71.1	69.1	93	30.06	6.9	ESE	0.02
September 24, 2011	5:21	71.6	68.0	88	29.99	5.8	SW	
	5:29	71.6	68.0	88	29.98	6.9	SW	
	5:36	71.6	68.0	88	29.98	4.6	SW	
	5:53	71.1	68.0	90	29.99	6.9	SW	
	6:05	71.6	68.0	88	29.99	6.9	SSW	
	6:13	71.6	69.8	94	29.99	9.2	SSW	
	6:28	71.6	69.8	94	30.00	8.1	SSW	
	6:53	70.0	69.1	97	30.01	8.1	South	
	7:49	69.8	69.8	100	30.02	6.9	SSW	
	7:53	70.0	69.1	97	30.02	8.1	SSW	
	8:53	71.1	70.0	96	30.03	5.8	SW	
	9:28	73.4	69.8	88	30.05	8.1	South	
	9:53	73.0	70.0	90	30.05	11.5	South	
	10:06	71.6	69.8	94	30.05	10.4	SSW	
	10:53	71.6	69.8	94	30.05	8.1	SSW	
	11:45	73.4	69.8	88	30.05	6.9	SW	
	11:53	75.0	70.0	84	30.05	10.4	SW	
	12:10	77.0	69.8	78	30.05	9.2	SSW	
	12:53	78.1	70.0	76	30.04	9.2	SSW	
	13:53	77.0	69.8	78	30.01	5.8	SW	
	14:53	79.0	69.1	72	29.99	4.6	West	
	15:53	78.1	69.1	74	29.99	4.6	Variable	
	16:53	78.1	71.1	79	30.02	8.1	South	
	17:43	71.6	68.0	88	30.05	10.4	SSW	
	17:53	71.1	68.0	90	30.05	8.1	SSW	
	18:14	69.8	66.2	88	30.05	6.9	South	
	18:48	69.8	66.2	88	30.05	6.9	SSW	
	18:53	69.1	66.9	93	30.06	5.8	SW	
	19:53	69.1	66.9	93	30.06	Calm	Calm	
	20:53	69.1	66.9	93	30.06	6.9	SW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
September 26, 2011	5:04	64.4	62.6	94	29.99	Calm	Calm	
	5:12	64.4	62.6	94	29.99	Calm	Calm	
	5:53	64.0	63.0	96	30.00	3.5	SW	
	6:25	64.4	64.4	100	30.00	Calm	Calm	
	6:31	64.4	64.4	100	30.00	Calm	Calm	
	6:53	64.9	64.0	97	30.01	Calm	Calm	0.01
	7:02	64.4	64.4	100	30.01	Calm	Calm	
	7:17	66.2	64.4	94	30.02	Calm	Calm	
	7:46	66.2	66.2	100	30.01	Calm	Calm	
	7:53	68.0	66.2	94	30.01	Calm	Calm	
	8:37	69.8	68.0	94	30.02	Calm	Calm	
	8:53	70.0	69.1	97	30.01	Calm	Calm	
	9:53	73.9	66.9	79	30.01	Calm	Calm	
	10:53	78.8	66.2	65	29.99	Calm	Calm	
	11:53	81.0	64.9	58	29.98	3.5	NNW	
	12:53	82.0	63.0	52	29.97	Calm	Calm	
	13:53	82.9	62.1	49	29.96	Calm	Calm	
	14:53	81.0	69.1	67	29.94	8.1	SSE	
	15:53	80.1	68.0	67	29.94	8.1	SSW	
	16:53	78.8	68.0	69	29.93	5.8	SSW	
	17:53	75.0	66.9	76	29.94	6.9	South	
	18:53	72.0	66.9	84	29.94	3.5	SSE	
	19:53	69.1	66.0	90	29.95	Calm	Calm	
	20:53	66.9	64.9	93	29.95	Calm	Calm	
	20:57	66.2	64.4	94	29.95	Calm	Calm	
September 27, 2011	5:53	64.0	63.0	96	29.97	Calm	Calm	
	6:53	64.0	63.0	96	29.97	Calm	Calm	
	7:21	64.4	62.6	94	29.97	3.5	NNE	
	7:45	64.4	62.6	94	29.97	Calm	Calm	
	7:53	64.0	63.0	96	29.98	Calm	Calm	
	8:17	64.4	62.6	94	29.98	Calm	Calm	
	8:31	64.4	64.4	100	29.98	Calm	Calm	
	8:53	64.9	64.0	97	29.99	Calm	Calm	
	9:53	66.0	64.9	96	29.99	Calm	Calm	
	10:04	66.2	66.2	100	29.99	Calm	Calm	
	10:25	68.0	66.2	94	29.99	Calm	Calm	
	10:33	68.0	66.2	94	30.00	Calm	Calm	
	10:53	71.1	68.0	90	30.00	Calm	Calm	
	11:00	71.6	68.0	88	29.99	Calm	Calm	
	11:53	77.0	66.9	71	29.99	Calm	Calm	
	12:53	79.0	64.0	60	29.99	6.9	SSE	
	13:53	78.8	64.4	61	29.98	9.2	ESE	
	14:53	78.1	66.0	66	29.98	10.4	SE	
	15:53	75.9	66.0	71	29.98	9.2	SE	
	16:53	73.9	66.9	79	29.99	9.2	ESE	
	17:53	70.0	66.0	87	29.99	5.8	SE	
	18:53	68.0	66.0	93	30.01	3.5	SSW	
	19:02	69.8	66.2	88	30.01	4.6	South	
	19:19	68.0	66.2	94	30.02	3.5	Variable	
	19:53	66.9	64.9	93	30.03	Calm	Calm	
	20:53	64.9	62.1	90	30.04	Calm	Calm	
September 28, 2011	5:53	60.1	57.9	93	30.06	Calm	Calm	
	6:53	60.1	57.9	93	30.07	Calm	Calm	
	7:53	64.0	60.1	87	30.09	Calm	Calm	
	8:53	66.9	59.0	76	30.09	6.9	East	
	9:53	69.8	57.2	64	30.08	6.9	ESE	
	10:53	72.0	57.0	59	30.07	11.5	ESE	
	11:53	73.0	61.0	66	30.07	10.4	ESE	
	12:53	73.9	61.0	64	30.06	11.5	East	
	13:53	73.0	60.1	64	30.04	11.5	East	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
September 28, 2011	14:53	72.0	61.0	68	30.03	15	East	
(continued)	15:53	72.0	61.0	68	30.03	10.4	ESE	
	16:53	71.1	62.1	73	30.01	10.4	ESE	
	17:33	69.8	60.8	73	30.01	10.4	ESE	
	17:53	68.0	60.1	76	30.01	10.4	ESE	
	18:53	66.9	60.1	79	30.01	10.4	East	
	19:53	66.0	60.1	81	30.00	8.1	East	
	20:53	66.0	60.1	81	30.00	8.1	East	
September 29, 2011	553	68.0	66.0	94	29.80	6.9	SE	0.02
	653	70.0	66.0	88	29.80	9.2	SE	
	753	68.0	66.0	94	29.80	9.2	SSE	
	804	68.0	66.0	94	29.80	6.9	SSE	
	835	68.0	66.0	94	29.80	4.6	S	
	842	70.0	66.0	88	29.80	4.6	SSE	
	853	70.0	66.0	88	29.80	0		
	910	70.0	66.0	88	29.80	5.8	SW	
	953	70.0	68.0	94	29.77	5.8	S	
	1049	72.0	68.0	88	29.77	9.2	SW	
	1053	72.0	68.0	88	29.77	9.2	SW	
	1153	73.0	70.0	89	29.74	10.4	SSE	
	1221	73.0	70.0	89	29.71	6.9	SSE	
	1236	73.0	70.0	89	29.71	11.5	SSE	
	1253	73.0	70.0	89	29.71	12.7	SW	
	1353	75.0	70.0	83	29.68	12.7	S	
	1400	73.0	70.0	89	29.68	15	SSE	
	1453	73.0	70.0	89	29.65	11.5	SSE	
	1509	73.0	70.0	89	29.65	11.5	S	
	1517	72.0	70.0	94	29.65	12.7	SSE	
	1553	72.0	70.0	94	29.65	12.7	SSE	
	1604	72.0	70.0	94	29.62	10.4	S	
	1653	70.0	68.0	94	29.62	19.6	SW	0.02
	1655	70.0	68.0	94	29.62	20.7	SW	
	1707	70.0	66.0	88	29.65	20.7	SW	0.06
	1716	68.0	64.0	88	29.65	16.4	SW	0.11
	1722	68.0	64.0	88	29.65	16.1	SW	0.12
	1753	66.0	63.0	88	29.62	10.4	SSE	0.16
	1853	64.0	63.0	94	29.65	4.6	SW	
	1937	64.0	63.0	94	29.65	4.6	SW	
	1953	64.0	63.0	94	29.62	3.5	SW	
	2053	64.0	63.0	94	29.65	5.8	SW	
October 3, 2011	553	54.0	52.0	94	30.01			
	653	57.0	55.0	94	30.40			
	753	59.0	55.0	88	30.06			
	853	63.0	48.0	59	30.06	8.1	SSE	
	953	66.0	46.0	49	30.06	10.4	SSE	
	1053	66.0	46.0	49	30.06	12.7	SW	
	1153	66.0	46.0	49	30.06	9.2	S	
	1253	66.0	45.0	46	30.04	4.6	S	
	1353	66.0	43.0	43	30.04	6.9	SW	
	1453	64.0	45.0	49	30.04	5.8	SW	
	1553	63.0	45.0	52	30.04	3.5	SW	
	1653	61.0	50.0	68	30.04	5.8	E	
	1753	57.0	52.0	80	30.04	4.6	ENE	0.02
	1853	57.0	54.0	88	30.06	4.6	E	0.05
	1953	55.0	54.0	94	30.04	4.6	ENE	0.02
	2053	57.0	54.0	88	30.04	5.8	ENE	
October 4, 2011	553	55.0	54.0	94	29.95			
	635	55.0	54.0	94	29.95	5.8	WNW	0.01
	645	55.0	54.0	94	29.95	4.6	W	0.01
	653	55.0	54.0	94	29.95	3.5	SSW	0.01

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
October 4, 2011	753	57.0	55.0	94	29.95	5.8	NW	
(continued)	840	61.0	54.0	77	29.95	8.1	SSW	
	853	61.0	54.0	77	29.95	10.4	SSW	
	953	63.0	54.0	73	29.95	6.9	SSW	
	1053	63.0	52.0	68	29.92	8.1	WNW	
	1153	64.0	52.0	64	29.89	3.5	V	
	1253	64.0	52.0	64	29.89			
	1353	64.0	52.0	64	29.89			
	1453	63.0	54.0	73	29.86	10.4	NNE	
	1553	63.0	54.0	73	29.86	4.6	NE	
	1653	61.0	52.0	72	29.86	4.6	N	
	1721	59.0	54.0	82	29.89	3.5	NNW	
	1746	57.0	54.0	88	29.89	3.5	V	
	1753	57.0	54.0	88	29.89	3.5	NNW	
	1811	57.0	54.0	88	29.89	4.6	V	
	1853	57.0	55.0	94	29.89	4.6	V	0.02
	1916	57.0	55.0	94	29.89	4.6	NW	0.01
	1938	57.0	55.0	94	29.89	4.6	V	0.01
	1953	57.0	55.0	94	29.89	5.8	V	0.01
	2053	57.0	54.0	88	29.86	9.2	NW	
October 5, 2011	553	54.0	50.0	88	29.92	6.9	NW	
	663	55.0	52.0	88	29.95	6.9	WNW	
	753	57.0	52.0	82	29.95	8.1	NW	
	853	61.0	46.0	59	29.95	11.5	NW	
	953	63.0	46.0	56	29.95	8.1	NW	
	1053	64.0	48.0	56	29.95	8.1	NW	
	1153	64.0	46.0	52	29.95	5.8	V	
	1253				29.95	17.3	NW	
	1353	64.0	48.0	56	29.98	11.5	N	
	1453	63.0	46.0	56	29.98	10.4	NNW	
	1553	64.0	45.0	49	30.01	9.2	NW	
	1653	1.0	43.0	52	30.04	3.5	V	
	1753	57.0	37.0	48	30.09	9.2	NNW	
	1853	55.0	36.0	47	30.12	8.1	NNW	
	1953	52.0	36.0	54	30.15	3.5	NW	
	2053	52.0	36.0	54	30.18	4.6	NNW	
October 6, 2011	553	45.0	32.0	61	30.24	8.1	NW	
	663	46.0	32.0	57	30.27	9.2	NW	
	753	50.0	30.0	47	30.27	9.2	NW	
	853	54.0	28.0	38	30.27	9.2	NNW	
	953	55.0	27.0	33	30.27	11.5	NNW	
	1053	57.0	27.0	31	30.27	11.5	NW	
	1153	59.0	27.0	29	30.24	15	NW	
	1253	1.0	28.0	29	30.21	6.9	NW	
	1353	63.0	28.0	27	30.21	10.4	NNW	
	1453	63.0	30.0	30	30.21	6.9	NW	
	1553	63.0	28.0	27	30.21	8.1	NW	
	1653	59.0	28.0	31	30.24			
	1753	50.0	34.0	54	30.24	3.5	NNW	
	1853	48.0	32.0	54	30.27			
	1953	45.0	36.0	71	30.30			
	2053	39.0	36.0	87	30.30			
October 8, 2011	553	46.0	43.0	87	30.42			
	663	54.0	46.0	77	30.42			
	753	61.0	46.0	59	30.42	4.6	SSW	
	853	64.0	48.0	56	30.42			
	953	70.0	48.0	46	30.42	5.8	WNW	
	1053	73.0	52.0	47	30.42	4.6	W	
	1153	75.0	52.0	44	30.39	6.9	NW	
	1253	75.0	52.0	44	30.36	6.9	SSW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
October 8, 2011	1353	79.0	54.0	42	30.36	4.6	W	
(continued)	1453	79.0	54.0	42	30.33	5.8	WNW	
	1553	77.0	54.0	44	30.33	5.8	SSW	
	1653	72.0	55.0	57	30.33	3.5	SSW	
	1753	61.0	57.0	88	30.36			
	1853	59.0	55.0	88	30.33			
	1953	57.0	55.0	94	30.36	4.6	SW	
	2053	57.0	55.0	94	30.33	4.6	SW	
October 10, 2011	553	59.0	52.0	77	30.18			
	663	63.0	54.0	73	30.18			
	753	70.0	54.0	57	30.21	5.8	NNW	
	853	73.0	55.0	53	30.18	5.8	NW	
	953	77.0	55.0	47	30.18	5.8	V	
	1053	81.0	55.0	42	30.15	4.6	NNW	
	1153	82.0	55.0	40	30.12	6.9	V	
	1253	82.0	57.0	42	30.12	9.2	WNW	
	1353	82.0	59.0	45	30.09	6.9	WNW	
	1453	82.0	57.0	42	30.09	9.2	W	
	1553	81.0	59.0	48	30.09	4.6	NW	
	1653	77.0	61.0	57	30.09			
	1753	66.0	63.0	88	30.09			
	1853	64.0	61.0	88	30.09			
	1953	70.0	57.0	64	30.09	3.5	NW	
	2053	70.0	57.0	64	30.12			
October 11, 2011	553	54.0	48.0	82	30.18			
	663	54.0	50.0	88	30.21			
	753	57.0	50.0	77	30.21	3.5	NNE	
	853	63.0	52.0	67	30.21	6.9	NE	
	953	64.0	48.0	56	30.21	4.6	NNE	
	1053	68.0	48.0	49	30.21	6.9	V	
	1153	70.0	43.0	38	30.18	8.1	NE	
	1253	70.0	43.0	38	30.18	4.6	V	
	1353	70.0	46.0	43	30.18	4.6	V	
	1453	66.0	48.0	52	30.18	8.1	ENE	
	1553	64.0	46.0	52	30.18	8.1	E	
	1653	61.0	48.0	63	30.21	6.9	ENE	
	1753	55.0	48.0	77	30.21	3.5	NE	
	1853	54.0	48.0	82	30.21			
	1953	54.0	48.0	82	30.21	3.5	ENE	
	2053	54.0	50.0	88	30.21			
October 12, 2011	553	52.0	46.0	82	30.21	3.5	NNE	
	663	52.0	48.0	88	30.21	3.5	N	
	753	57.0	50.0	77	30.21	6.9	NE	
	853	61.0	50.0	68	30.21	10.4	ENE	
	953	61.0	48.0	63	30.21	11.5	ENE	
	1053	61.0	48.0	63	30.18	11.5	ENE	
	1153	61.0	48.0	63	30.18	11.5	NE	
	1253	63.0	52.0	68	30.15	8.1	ENE	
	1353	63.0	52.0	68	30.15	9.2	ENE	
	1453	61.0	52.0	72	30.12	10.4	NE	
	1553	61.0	52.0	72	30.12	9.2	NE	
	1653	59.0	52.0	77	30.12	8.1	NE	
	1753	57.0	54.0	88	30.09	6.9	NE	
	1803	57.0	54.0	88	30.09	6.9	NE	
	1853	57.0	55.0	94	30.09	4.6	NE	
	1914	57.0	55.0	94	30.09	6.9	NE	
	1953	57.0	55.0	94	30.09	8.1	ENE	
	2000	57.0	55.0	94	30.09	6.9	ENE	
	2053	57.0	55.0	94	30.06	8.1	ENE	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

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October 13, 2011	553	61.0	61.0	100	29.86	5.8	NE	0.06
	610	61.0	61.0	100	29.86	5.8	N	0.17
	653	63.0	61.0	94	29.86	9.2	NE	0.77
	753	63.0	61.0	94	29.86	5.8	NE	0.18
	853	63.0	61.0	94	29.83	3.5	NE	0.01
	953	64.0	63.0	94	29.80	4.6	N	0.00
	958	64.0	63.0	94	29.80	3.5	N	
	1023	64.0	63.0	94	29.80	4.6	N	0.01
	1050	64.0	63.0	94	29.80	4.6	N	0.01
	1051	64.0	63.0	94	29.80	4.6	N	0.01
	1058	64.0	63.0	94	29.80	5.8	N	
	1112	64.0	63.0	94	29.80	4.6	N	
	1120	64.0	64.0	100	29.77	4.6	V	
	1127	66.0	64.0	94	29.77	5.8	N	
	1153	66.0	64.0	94	29.77	6.9	N	
	1253	68.0	66.0	94	29.74	3.5	N	
	1353	68.0	64.0	88	29.77	4.6	N	
	1453	66.0	64.0	94	29.74	4.6	N	
	1508	66.0	64.0	94	29.74	4.6	V	
	1519	66.0	64.0	94	29.74	4.6	V	
	1553	64.0	64.0	100	29.74	4.6	N	
	1604	64.0	63.0	94	29.74	5.8	N	
	1620	64.0	63.0	94	29.77			
	1653	64.0	63.0	94	29.77	3.5	N	0.01
	1720	64.0	63.0	94	29.77			
	1731	64.0	63.0	94	29.77	3.5	N	
	1753	64.0	63.0	94	29.77	3.5	N	
	1853	63.0	61.0	94	29.77	4.6	N	
	1949	63.0	61.0	94	29.80			
	1953	63.0	61.0	94	29.80	3.5	N	
	2029	63.0	61.0	94	29.80	3.5	NNE	
	2053	63.0	61.0	94	29.80			
October 14, 2011	553	63.0	63.0	100	29.71	4.6	E	0.01
	620	64.0	63.0	94	29.68	5.8	ESE	0.03
	639	64.0	64.0	100	29.68	5.8	SE	0.03
	653	64.0	64.0	100	29.71	5.8	SE	0.03
	700	64.0	64.0	100	29.68	4.6	SE	
	727	66.0	66.0	100	29.68	8.1	SE	
	732	66.0	66.0	100	29.68	8.1	SE	
	741	66.0	66.0	100	29.68	6.9	SE	
	753	66.0	66.0	100	29.68	8.1	SE	
	756	66.0	66.0	100	29.68	8.1	SE	
	823	66.0	66.0	100	29.65	9.2	SE	
	837	66.0	66.0	100	29.65	9.2	SE	
	853	68.0	66.0	94	29.65	10.4	SE	
	912	70.0	68.0	94	29.62	10.4	SE	
	919	70.0	68.0	94	29.62	9.2	ESE	
	927	70.0	68.0	94	29.62	8.1	SE	
	940	70.0	68.0	94	29.62	10.4	SE	
	953	70.0	68.0	94	29.62	8.1	SE	
	1008	70.0	66.0	88	29.62	10.4	SE	
	1030	72.0	68.0	88	29.59	6.9	SE	
	1046	72.0	68.0	88	29.59	10.4	SE	
	1053	72.0	68.0	88	29.59	11.5	SE	
	1119	72.0	66.0	83	29.59	11.5	SE	
	1150	72.0	66.0	83	29.56	13.8	SE	
	1153	70.0	66.0	88	29.56	11.5	SE	
	1203	70.0	66.0	88	29.56	11.5	SE	
	1253	70.0	66.0	88	29.53	15	SE	0.01
	1353	70.0	66.0	88	29.53	10.4	SE	0.01
	1445	70.0	66.0	88	29.47	12.7	SSE	0.01
	1453	68.0	66.0	94	29.47	12.7	SSE	0.01

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

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October 14, 2011	1509	66.0	66.0	100	29.47	10.4	SE	0.04
(continued)	1529	68.0	66.0	94	29.47	11.5	S	0.24
	1553	68.0	66.0	94	29.44	5.8	SSE	0.47
	1600	68.0	66.0	94	29.44	11.5	S	0.01
	1609	68.0	66.0	94	29.42	11.5	SSE	0.01
	1624	66.0	64.0	94	29.42	10.4	SSE	0.01
	1653	66.0	66.0	100	29.42	6.9	S	0.01
	1744	66.0	64.0	94	29.42	10.4	S	
	1751	66.0	64.0	94	29.39	6.9	S	
	1752	66.0	64.0	94	29.39	6.9	S	
	1759	66.0	64.0	94	29.39	5.8	S	
	1853	66.0	64.0	94	29.39	12.7	SW	0.09
	1859	64.0	64.0	100	29.39	8.1	SW	0.00
	1908	64.0	64.0	100	29.39	5.8	SSW	0.00
	1915	64.0	64.0	100	29.39	8.1	SSW	0.00
	1953	64.0	61.0	94	29.39	13.8	SSW	0.08
	2001	63.0	63.0	94	29.39	9.2	SW	0.01
	2017	63.0	63.0	94	29.39	10.4	SSE	0.03
	2025	63.0	63.0	94	29.39	11.5	SSW	0.06
	2032	63.0	63.0	94	29.39	8.1	SW	0.06
	2053	63.0	63.0	94	29.39	10.4	SW	0.06
October 15, 2011	553	55.0	45.0	67	29.59	8.1	SW	
	663	57.0	46.0	67	29.62	13.8	SW	
	753	61.0	46.0	59	29.62	15	SW	
	853	63.0	45.0	52	29.62	15	SW	
	953	64.0	46.0	52	29.62	20.7	SW	
	1053	64.0	48.0	56	29.62	21.9	SW	
	1153	64.0	48.0	56	29.59	13.8	SW	
	1253	64.0	48.0	56	29.59	19.6	SW	
	1353	63.0	43.0	49	29.59	18.4	SW	
	1453	64.0	46.0	52	29.59	21.9	SW	
	1553	63.0	46.0	56	29.59	17.3	SW	
	1653	63.0	46.0	56	29.62	12.7	SW	
	1753	63.0	45.0	52	29.65	11.5	SSW	
	1853	59.0	45.0	59	29.65	6.9	SSW	0.00
	1953	61.0	43.0	52	29.68	11.5	SSW	0.00
	2053	61.0	39.0	45	29.68	9.2	SW	
October 21, 2011	5:53	53.6	42.8	67	29.77	6.9	SW	
	6:53	55.0	39.9	57	29.78	13.8	WSW	
	7:53	55.0	39.9	57	29.81	8.1	WSW	
	8:53	57.0	44.1	62	29.83	8.1	WSW	
	9:53	55.9	43.0	62	29.84	12.7	WSW	
	10:53	57.2	41.0	55	29.85	10.4	West	
	11:53	60.1	42.1	51	29.85	15	SSW	
	12:53	60.1	42.1	51	29.84	11.5	WSW	
	13:53	61.0	44.1	54	29.84	12.7	SW	
	14:53	60.1	43.0	53	29.84	17.3	SSW	
	15:53	60.1	44.1	55	29.86	13.8	SSW	
	16:53	57.9	44.1	60	29.87	13.8	SW	
	17:53	55.9	44.1	64	29.90	6.9	SW	
	18:53	54.0	44.1	69	29.91	4.6	SW	
	19:53	50.0	44.1	80	29.93	4.6	SW	
	20:53	51.1	44.1	77	29.95	5.8	SW	
October 28, 2011	5:53	33.1	28.9	85	30.03	3.5	Variable	
	6:53	33.1	28.9	85	30.06	3.5	NW	
	7:53	33.1	28.9	85	30.09	4.6	WNW	
	8:53	37.0	30.0	76	30.12	6.9	WNW	
	9:53	41.0	28.9	62	30.14	8.1	NNW	
	10:53	42.1	26.1	53	30.15	9.2	NNW	
	11:53	44.1	25.0	47	30.16	9.2	NNW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
October 28, 2011	12:53	46.0	23.0	40	30.14	8.1	North	
(continued)	13:53	48.0	23.0	37	30.15	8.1	NW	
	14:53	48.2	19.4	32	30.14	6.9	North	
	15:53	48.0	19.9	33	30.16	9.2	WNW	
	16:53	45.0	21.0	39	30.17	Calm	Calm	
	17:53	42.1	24.1	49	30.18	Calm	Calm	
	18:53	41.0	27.0	57	30.22	Calm	Calm	
	19:53	39.2	28.4	65	30.23	Calm	Calm	
	20:53	37.9	28.9	70	30.23	Calm	Calm	
November 7, 2011	5:53	43.0	39.0	86	30.31	3.5	South	
	6:53	46.0	41.0	83	30.31	5.8	SW	
	7:53	50.0	44.6	82	30.31	8.1	WSW	
	8:53	52.0	44.1	74	30.30	15	WSW	
	9:53	55.0	42.1	62	30.29	13.8	WSW	
	10:53	57.9	42.1	56	30.27	8.1	WSW	
	11:53	59.0	45.0	60	30.24	8.1	WSW	
	12:53	60.1	45.0	57	30.22	10.4	SW	
	13:53	61.0	44.1	54	30.21	9.2	WSW	
	14:53	59.0	46.0	62	30.21	9.2	SSW	
	15:53	55.4	44.6	67	30.20	11.5	SSW	
	16:53	53.1	44.1	71	30.21	5.8	WSW	
	17:53	51.8	44.6	76	30.22	5.8	WSW	
	18:53	52.0	45.0	77	30.23	5.8	SW	
	19:53	50.0	45.0	83	30.23	4.6	SW	
	20:53	48.2	44.6	87	30.24	3.5	SSW	
November 9, 2011	5:22	41.0	41.0	100	30.20	Calm	Calm	
	5:32	42.8	41.0	93	30.20	Calm	Calm	
	5:53	43.0	42.1	97	30.20	Calm	Calm	
	6:53	45.0	44.1	97	30.22	Calm	Calm	
	7:53	48.0	46.9	96	30.23	Calm	Calm	
	8:53	51.8	51.8	100	30.23	Calm	Calm	
	9:00	53.6	51.8	94	30.23	Calm	Calm	
	9:23	55.4	53.6	94	30.22	Calm	Calm	
	9:53	61.0	52.0	72	30.22	4.6	South	
	10:53	63.0	55.9	78	30.20	9.2	SE	
	11:53	64.9	50.0	58	30.18	10.4	South	
	12:53	66.0	48.9	54	30.15	6.9	South	
	13:53	64.9	44.1	47	30.15	10.4	South	
	14:53	63.0	50.0	63	30.14	9.2	SSW	
	15:53	60.1	52.0	75	30.13	8.1	South	
	16:53	55.0	50.0	83	30.14	Calm	Calm	
	17:53	52.0	50.0	93	30.14	3.5	SSW	
	18:05	51.8	50.0	94	30.14	3.5	South	
	18:18	51.8	51.8	100	30.14	Calm	Calm	
	18:22	53.6	51.8	94	30.14	Calm	Calm	
	18:36	53.6	51.8	94	30.14	Calm	Calm	
	18:53	54.0	53.1	97	30.14	Calm	Calm	
	19:32	53.6	53.6	100	30.13	Calm	Calm	
	19:42	53.6	51.8	94	30.13	Calm	Calm	
	19:53	53.1	52.0	96	30.13	Calm	Calm	
	20:05	53.6	51.8	94	30.13	3.5	SE	
	20:10	53.6	51.8	94	30.13	3.5	SE	
	20:30	53.6	51.8	94	30.12	Calm	Calm	
	20:53	54.0	52.0	93	30.12	Calm	Calm	
November 16, 2011	5:53	53.1	52.0	96	29.94	Calm	Calm	
	6:53	55.0	53.1	93	29.96	Calm	Calm	0.02
	7:53	57.0	54.0	89	29.95	3.5	South	
	8:53	57.0	54.0	89	29.94	5.8	South	
	9:53	57.0	54.0	89	29.93	9.2	SSW	
	10:44	57.2	55.4	94	29.92	9.2	SSW	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
November 16, 2011	11:53	57.9	55.0	90	29.87	6.9	South	0.01
(continued)	12:27	57.2	55.4	94	29.85	5.8	South	
	12:32	57.2	55.4	94	29.84	4.6	South	
	12:42	57.2	55.4	94	29.84	4.6	South	
	12:53	57.0	55.0	93	29.83	6.9	South	
	13:53	57.0	55.0	93	29.80	Calm	Calm	
	14:00	57.2	55.4	94	29.79	Calm	Calm	
	14:53	55.9	55.0	97	29.78	6.9	SE	0.07
	15:53	55.4	53.6	94	29.76	3.5	ESE	
	16:53	55.0	54.0	96	29.73	3.5	ENE	0.05
	17:53	55.9	54.0	93	29.71	Calm	Calm	0.16
	18:00	55.4	53.6	94	29.71	Calm	Calm	0.01
	18:34	55.4	53.6	94	29.70	3.5	NNW	0.06
	18:49	55.4	53.6	94	29.71	3.5	Variable	0.12
	18:53	55.9	54.0	93	29.70	3.5	NNE	0.13
	19:04	55.4	53.6	94	29.70	3.5	Variable	
	19:53	55.9	55.0	97	29.69	Calm	Calm	0.09
	20:06	55.4	55.4	100	29.69	Calm	Calm	
	20:14	55.4	55.4	100	29.69	Calm	Calm	0.01
	20:38	55.4	53.6	94	29.68	Calm	Calm	0.02
	20:53	55.9	54.0	93	29.68	Calm	Calm	0.02
November 17, 2011	5:53	53.1	51.1	93	29.75	3.5	WNW	
	6:53	52.0	50.0	93	29.77	4.6	WNW	
	7:53	52.0	48.9	89	29.78	5.8	NW	
	8:53	52.0	42.1	69	29.74	9.2	North	
	9:53	51.1	41.0	68	29.75	5.8	Variable	
	10:53	48.9	37.0	64	29.81	6.9	NW	
	11:53	48.2	35.6	62	29.76	6.9	NW	
	12:53	48.0	36.0	63	29.73	5.8	North	
	13:53	46.9	35.1	63	29.72	3.5	NW	
	14:53	46.0	33.1	61	29.73	5.8	NW	
	15:44	41.0	35.6	81	29.74	8.1	NW	0.02
	15:53	41.0	35.1	79	29.75	5.8	Variable	0.03
	16:51	37.4	35.6	93	29.77	5.8	WNW	0.1
	16:53	37.0	35.1	93	29.78	8.1	WNW	0.11
	17:53	37.0	35.1	93	29.78	Calm	Calm	0.03
	18:53	37.0	35.1	93	29.80	6.9	WNW	0.02
	19:53	37.0	35.1	93	29.81	8.1	WNW	0.02
	20:53	37.0	35.1	93	29.84	6.9	NW	0.01
November 29, 2011	5:53	48.9	48.0	97	30.11	Calm	Calm	
	6:53	52.0	51.1	97	30.11	Calm	Calm	0.01
	7:53	55.9	54.0	93	30.11	Calm	Calm	
	8:53	57.9	55.0	90	30.10	8.1	SE	
	9:53	62.1	54.0	75	30.09	10.4	ESE	
	10:53	64.0	53.1	67	30.07	8.1	SE	
	11:53	64.9	50.0	58	30.06	10.4	SE	
	12:53	66.0	50.0	56	30.03	10.4	SE	
	13:53	64.9	53.1	65	30.00	11.5	SE	
	14:53	63.0	53.1	70	29.97	11.5	SE	
	15:53	60.1	54.0	80	29.94	10.4	ESE	
	16:53	59.0	55.0	87	29.94	4.6	SE	
	17:22	60.8	55.4	82	29.94	9.2	SE	
	17:53	59.0	57.0	93	29.94	10.4	SSE	
	18:53	59.0	55.9	90	29.91	9.2	ESE	0.01
	19:53	57.9	55.0	90	29.87	10.4	ESE	
	20:53	57.9	55.0	90	29.83	9.2	ESE	
December 6, 2011	5:53	57.0	55.9	96	30.15	8.1	SSW	
	6:53	57.0	55.0	93	30.16	5.8	SSW	
	7:07	57.2	55.4	94	30.14	6.9	South	
	7:30	57.2	55.4	94	30.13	8.1	South	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
December 6, 2011	7:53	57.0	55.0	93	30.11	8.1	South	
(continued)	8:42	57.2	55.4	94	30.12	11.5	SW	
	8:53	57.9	55.0	90	30.12	11.5	SSW	
	9:53	59.0	55.0	87	30.10	12.7	SSW	
	10:53	61.0	55.9	83	30.07	12.7	SW	
	11:11	60.8	55.4	82	30.06	15	SW	
	11:53	61.0	55.9	83	30.05	13.8	SW	
	12:53	60.1	55.9	86	30.02	10.4	SW	
	13:06	59.0	55.4	88	30.02	9.2	WSW	
	13:11	59.0	57.2	94	30.02	8.1	SW	
	13:14	59.0	57.2	94	30.02	9.2	WSW	0.01
	13:22	59.0	57.2	94	30.01	10.4	SW	0.01
	13:53	59.0	57.2	94	30.00	11.5	SW	
	14:06	59.0	57.2	94	30.00	10.4	SW	
	14:23	59.0	57.2	94	30.00	10.4	SW	
	14:36	59.0	57.2	94	30.00	9.2	SW	0.01
	14:53	57.9	55.9	93	29.99	11.5	SW	0.01
	15:53	57.9	55.9	93	29.99	12.7	SW	
	16:53	57.9	55.9	93	29.99	9.2	SW	
	17:53	57.9	55.9	93	29.98	10.4	SSW	0.03
	18:53	57.9	55.9	93	29.98	8.1	SW	0.03
	19:53	57.9	55.9	93	29.97	12.7	SW	
	20:53	57.9	55.9	93	29.95	13.8	SW	0.02
December 17, 2011	5:53	30.0	27.0	88	30.04	Calm	Calm	
	6:53	30.2	26.6	86	30.05	Calm	Calm	
	7:53	30.0	27.0	88	30.06	Calm	Calm	
	8:53	37.0	28.9	73	30.06	5.8	WNW	
	9:53	39.0	28.0	65	30.06	6.9	WNW	
	10:53	41.0	28.0	60	30.04	5.8	NW	
	11:53	42.1	26.1	53	30.01	4.6	Variable	
	12:53	42.1	27.0	55	30.01	5.8	Variable	
	13:53	42.1	27.0	55	30.00	3.5	North	
	14:53	39.9	27.0	60	30.02	5.8	North	
	15:53	37.9	26.1	62	30.05	9.2	NNE	
	16:53	37.9	24.1	57	30.06	8.1	North	
	17:53	37.0	21.0	52	30.06	8.1	North	
	18:53	36.0	19.0	50	30.08	11.5	North	
	19:53	34.0	17.1	50	30.10	4.6	North	
	20:53	33.1	15.1	48	30.11	6.9	North	
January 3, 2012	5:53	25.0	19.0	78	29.77	3.5	WNW	
	6:53	27.0	19.0	72	29.77	5.8	NW	
	7:53	28.0	16.0	61	29.79	6.9	NW	
	8:53	28.4	14.0	55	29.81	8.1	NNW	
	9:53	30.0	10.0	43	29.82	10.4	NNW	
	10:53	30.9	9.0	40	29.80	12.7	WNW	
	11:53	30.9	8.1	38	29.79	12.7	WNW	
	12:53	30.9	7.0	37	29.77	5.8	Variable	
	13:53	30.9	6.1	35	29.78	10.4	WNW	
	14:53	30.9	6.1	35	29.81	6.9	North	
	15:53	28.0	6.1	39	29.82	10.4	NNW	
	16:53	24.8	6.8	46	29.87	10.4	North	
	17:53	23.0	3.9	44	29.91	4.6	Variable	
	18:53	21.9	3.0	44	29.94	8.1	North	
	19:53	21.0	1.0	42	29.98	8.1	North	
	20:53	19.0	-2.9	38	29.99	9.2	NNW	
January 5, 2012	5:53	26.1	12.0	55	29.85	Calm	Calm	
	6:53	26.1	12.9	58	29.85	Calm	Calm	
	7:53	27.0	14.0	58	29.86	3.5	WSW	
	8:53	28.0	15.1	58	29.87	4.6	WSW	
	9:53	30.9	15.1	52	29.87	6.9	West	

Table 2
Summary of Weather Data
August 1, 2011 through January 5, 2012
New Bedford Regional Airport
New Bedford, Massachusetts

Date	Time (24-hr)	Temp. (°F)	Dew Point (°F)	Humidity (%)	Barometric Pressure (in Hg)	Wind Speed (mph)	Wind Direction	Total Precipitation (in)
January 5, 2012	10:53	34.0	15.1	46	29.83	8.1	West	
(continued)	11:53	37.4	19.4	48	29.77	10.4	West	
	12:53	37.9	19.9	48	29.75	10.4	WSW	
	13:53	37.9	19.9	48	29.77	11.5	West	
	14:53	37.9	19.0	47	29.78	12.7	West	
	15:53	36.0	19.0	50	29.80	6.9	West	
	16:53	34.0	19.9	56	29.83	5.8	WNW	
	17:53	33.1	21.0	61	29.84	Calm	Calm	
	18:53	35.1	19.9	54	29.86	12.7	WNW	
	19:53	33.1	17.1	52	29.88	6.9	West	
	20:53	30.0	14.0	51	29.90	9.2	WNW	

Notes:

Hourly data as recorded at the New Bedford Regional Airport weather station unless otherwise noted.

F - Fahrenheit

% - Percent

in - Inches

in Hg - Inches of mercury

mph - miles per hour

Table 3
Summary of Analytical Results for Tree Soil Composite Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:			HF-43 NW/NE/SW/SE		HB-23 E/N/W		TREE-DS-1	
		S-1/GW-3	S-2/GW-3	S-3/GW-3	0-1	1-3	0-1	1-3	0-1	1-3
					7/11/2011 Composite	7/11/2011 Composite	7/13/2011 Composite	7/13/2011 Composite	8/24/2011 Composite	8/24/2011 Composite
PCBs (mg/kg)										
	Aroclor-1016	2	3	3	0.11 U	0.10 U	0.11 U	0.11 U	0.10 U	0.21 U
	Aroclor-1221	2	3	3	0.11 U	0.10 U	0.11 U	0.11 U	0.10 U	0.21 U
	Aroclor-1232	2	3	3	0.11 U	0.10 U	0.11 U	0.11 U	0.10 U	0.21 U
	Aroclor-1242	2	3	3	0.11 U	0.10 U	0.11 U	0.11 U	0.10 U	0.21 U
	Aroclor-1248	2	3	3	0.11 U	0.10 U	0.11 U	0.11 U	0.10 U	0.21 U
	Aroclor-1254	2	3	3	0.40	1.3	1.0	0.73	0.25	2.1
	Aroclor-1260	2	3	3	0.11 U	0.10 U	0.11 U	0.11 U	0.10 U	0.21 U
	Aroclor-1262	2	3	3	0.11 U	0.10 U	0.11 U	0.11 U	0.10 U	0.21 U
	Aroclor-1268	2	3	3	0.11 U	0.10 U	0.11 U	0.11 U	0.10 U	0.21 U
	Total PCBs	2	3	3	0.40	1.3	1.0	0.73	0.25	2.1
Metals, total (mg/kg)										
	Arsenic	20	20	20	NA	NA	NA	NA	2.9	3.9
	Barium	1,000	3,000	5,000	NA	NA	54	240	97	500
	Cadmium	2	30	30	0.28 U	0.50	NA	NA	0.58	2.2
	Chromium	30	200	200	NA	NA	8.6	15	14	58
	Lead	300	300	300	43	130	87	770	96	570

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards.

PCBs - Polychlorinated Biphenyls.

Table 3
Summary of Analytical Results for Tree Soil Composite Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:			TREE-DS-2		TREE-HS-1		TREE-HS-2		TREE-HS-3	
		Sample Depth (ft.):			0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3
		Sample Date:			8/24/2011	8/24/2011	8/23/2011	8/23/2011	8/23/2011	8/23/2011	8/23/2011	8/23/2011
		S-1/GW-3	S-2/GW-3	S-3/GW-3	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite
PCBs (mg/kg)	Aroclor-1016	2	3	3	0.10 U	0.10 U	0.11 U	0.21 U	0.43 U	2.1 U	1.1 U	0.21 U
	Aroclor-1221	2	3	3	0.10 U	0.10 U	0.11 U	0.21 U	0.43 U	2.1 U	1.1 U	0.21 U
	Aroclor-1232	2	3	3	0.10 U	0.10 U	0.11 U	0.21 U	0.43 U	2.1 U	1.1 U	0.21 U
	Aroclor-1242	2	3	3	0.10 U	0.10 U	0.11 U	0.21 U	0.43 U	2.1 U	1.1 U	0.21 U
	Aroclor-1248	2	3	3	0.10 U	0.10 U	0.11 U	0.21 U	0.43 U	2.1 U	1.1 U	0.21 U
	Aroclor-1254	2	3	3	0.17	0.17	0.16	1.6	2.7	11	5.1	1.7
	Aroclor-1260	2	3	3	0.17	0.17	0.11 U	0.21 U	0.43 U	2.1 U	1.1 U	0.21 U
	Aroclor-1262	2	3	3	0.10 U	0.10 U	0.11 U	0.21 U	0.43 U	2.1 U	1.1 U	0.21 U
	Aroclor-1268	2	3	3	0.10 U	0.10 U	0.11 U	0.21 U	0.43 U	2.1 U	1.1 U	0.21 U
	Total PCBs	2	3	3	0.34	0.34	0.16	1.6	2.7	11	5.1	1.7
Metals, total (mg/kg)	Arsenic	20	20	20	2.7	2.5 U	2.6 U	4.2	3.2	2.6 U	2.6 U	2.6 U
	Barium	1,000	3,000	5,000	470	1,200	25	1,200	93	32	14	11
	Cadmium	2	30	30	1.0	2.3	0.27	0.97	0.65	0.27	0.26 U	0.26 U
	Chromium	30	200	200	44	110	6.7	14	10	7.5	5.1	5.3
	Lead	300	300	300	210	1,700	46	320	210	62	14	6.7

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and shaded type** exceed one or more of the listed MassDEP Method 1 standards.

PCBs - Polychlorinated Biphenyls.

Table 3
Summary of Analytical Results for Tree Soil Composite Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:			TREE-HS-4		TREE-TI-1		TREE-TI-2		TREE-TI-3	
		Sample Depth (ft.):			0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3
		Sample Date:			8/23/2011	8/23/2011	8/22/2011	8/22/2011	8/25/2011	8/25/2011	8/25/2011	8/25/2011
		S-1/GW-3	S-2/GW-3	S-3/GW-3	Composite	Composite	Composite	Composite	Composite	Composite	Composite	Composite
PCBs (mg/kg)	Aroclor-1016	2	3	3	0.10 U	0.10 U	0.12 U	0.11 U	0.11 U	0.11 U	2.2 U	0.25 U
	Aroclor-1221	2	3	3	0.10 U	0.10 U	0.12 U	0.11 U	0.11 U	0.11 U	2.2 U	0.25 U
	Aroclor-1232	2	3	3	0.10 U	0.10 U	0.12 U	0.11 U	0.11 U	0.11 U	2.2 U	0.25 U
	Aroclor-1242	2	3	3	0.10 U	0.10 U	0.12 U	0.11 U	0.11 U	0.11 U	2.2 U	0.25 U
	Aroclor-1248	2	3	3	0.10 U	0.10 U	0.12 U	0.11 U	0.11 U	0.11 U	2.2 U	0.25 U
	Aroclor-1254	2	3	3	1.2	0.42	0.12 U	0.11 U	0.15	0.16	20	2.5
	Aroclor-1260	2	3	3	0.10 U	0.10 U	0.12 U	0.11 U	0.11 U	0.11 U	2.2 U	0.25 U
	Aroclor-1262	2	3	3	0.10 U	0.10 U	0.12 U	0.11 U	0.11 U	0.11 U	2.2 U	0.25 U
	Aroclor-1268	2	3	3	0.10 U	0.10 U	0.12 U	0.11 U	0.11 U	0.11 U	2.2 U	0.25 U
	Total PCBs	2	3	3	1.2	0.42	0.12 U	0.11 U	0.15	0.16	20	2.5
Metals, total (mg/kg)	Arsenic	20	20	20	2.6 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	6.7	12
	Barium	1,000	3,000	5,000	16	18	15	6.4	46	14	2,500	7,000
	Cadmium	2	30	30	0.26 U	0.26 U	0.28 U	0.26 U	0.27 U	0.26 U	5.3	5.2
	Chromium	30	200	200	5.2	6.4	5.0	2.1	8.6	3.4	260	390
	Lead	300	300	300	19	6.8	16	5.8	49	13	790	3,000

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards.

PCBs - Polychlorinated Biphenyls.

Table 3
Summary of Analytical Results for Tree Soil Composite Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:			TI-3E		TI-3N	TI-3S	TI-3W
		Sample Depth (ft.):			0-1	0-1	0-1	0-1	0-1
		Sample Date:			9/26/2011	9/26/2011	9/26/2011	9/26/2011	9/26/2011
		S-1/GW-3	S-2/GW-3	S-3/GW-3	Grab	Grab Field Dup	Grab	Grab	Grab
PCBs (mg/kg)	Aroclor-1016	2	3	3	0.114 U	0.112 U	0.0549 U	0.0567 U	0.0547 U
	Aroclor-1221	2	3	3	0.114 U	0.112 U	0.0549 U	0.0567 U	0.0547 U
	Aroclor-1232	2	3	3	0.114 U	0.112 U	0.0549 U	0.0567 U	0.0547 U
	Aroclor-1242	2	3	3	0.114 U	0.112 U	0.0549 U	0.0567 U	0.0547 U
	Aroclor-1248	2	3	3	0.114 U	0.112 U	0.0549 U	0.0567 U	0.0547 U
	Aroclor-1254	2	3	3	2.46	2.54	0.115	0.906	0.179
	Aroclor-1260	2	3	3	1.07	0.933	0.0549 U	0.261	0.0911
	Aroclor-1262	2	3	3	NA	NA	NA	NA	NA
	Aroclor-1268	2	3	3	NA	NA	NA	NA	NA
	Total PCBs	2	3	3	3.53	3.473	0.115	1.167	0.270
Metals, total (mg/kg)	Arsenic	20	20	20	NA	NA	NA	NA	NA
	Barium	1,000	3,000	5,000	NA	NA	NA	NA	NA
	Cadmium	2	30	30	NA	NA	NA	NA	NA
	Chromium	30	200	200	NA	NA	NA	NA	NA
	Lead	300	300	300	NA	NA	NA	NA	NA

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards.

PCBs - Polychlorinated Biphenyls.

Table 4
Summary of Analytical Results for Supplemental HB-22 Investigation Soil Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample Location:						Sample ID:				
		Sample ID:						HB-22A	HB-22B		HB-22C	HB-22D
		Sample Depth (ft.):						1-3	1-3	1-3	1-3	1-3
		Sample Date:						10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	TSCA	Field Dup				
Dioxins (pg/g)	2,3,7,8-TCDD							0.319 JK	5.66 J	17.5	34.6	2.52 JK
	1,2,3,7,8-PeCDD							1.45 JK	32.6 J	105	180	11.9 J
	1,2,3,4,7,8-HxCDD							4.86 U	40.6 J	216	316	23.4 J
	1,2,3,6,7,8-HxCDD							3.85 JK	70.9	324	725	34.4 J
	1,2,3,7,8,9-HxCDD							3.40 J	69.5	321	559	38.7 J
	1,2,3,4,6,7,8-HpCDD							71.6	952	4,460	14,300	504
	1,2,3,4,6,7,8,9-OCDD							724	3,090	18,300	92,300 E	2,620
	2,3,7,8-TCDF							2.65	11.7	78.6	59.0	21.1
	1,2,3,7,8-PeCDF							1.21 JK	5.96 J	38.4 J	62.8	10.9 J
	2,3,4,7,8-PeCDF							4.66 J	14.8 J	105	329	27.2 J
	1,2,3,4,7,8-HxCDF							3.64 J	14.7 J	89.3	585	28.9 J
	1,2,3,6,7,8-HxCDF							2.41 J	11.8 J	70.1	210	18.1 J
	2,3,4,6,7,8-HxCDF							3.26 J	14.2 J	89.9	280	25.6 J
	1,2,3,7,8,9-HxCDF							1.78 J	3.9 JQ	13 JQ	256 Q	7.82 J
	1,2,3,4,6,7,8-HpCDF							23.0	198	665	2,230	186
	1,2,3,4,7,8,9-HpCDF							1.74 J	9.8 J	55.3	299	14.8 J
	1,2,3,4,6,7,8,9-OCDF							48.9	251	1,920	9,900	281
	Total Tetrachlorodibenzo-p-dioxin							8.51	115	325	536	47.4
	Total Pentachlorodibenzo-p-dioxin							25.4	287 Q	1,060 Q	2,030 Q	132 Q
	Total Hexachlorodibenzo-p-dioxin							48.5	739	1,670	7,440	401
Total Heptachlorodibenzo-p-dioxin							148	1,810	10,100	29,000 E	1,020	
Total Tetrachlorodibenzofuran							53.3	151	1,290	1,610	279	
Total Pentachlorodibenzofuran							60.5	186 Q	1,180 Q	2,750 Q	324 Q	
Total Hexachlorodibenzofuran							57.6	264	1,300	5,340	347	
Total Heptachlorodibenzofuran							62.4	463	2,180	10,100	432	
TEQs (WHO2005, ND=0, EMPC=EMPC)		20	20	50	50	20	N/A	6.50	79.2	333	813	50.6
TEQs (WHO2005, ND=DL/2, EMPC=EMPC)		20	20	50	50	20	N/A	6.74	79.2	333	813	50.6
TEQs (WHO2005, ND=0, EMPC=0)		20	20	50	50	20	N/A	4.31	79.2	333	813	48.1
TEQs (WHO2005, ND=DL/2, EMPC=0)		20	20	50	50	20	N/A	4.55	79.2	333	813	48.1

Notes:

- pg/g - picograms per gram (dry weight) or parts per trillion (ppt).
- B - Compound detected in associated method blank
- C - Congener has coeluters. When Cxxx, refer to congener number xxx for data.
- E - Value is estimated; Concentration of the target analyte exceeds the instrument calibration range.
- J - Estimated value.
- K - Estimated Maximum Possible Concentration.
- ND - Not detected.
- Q - Quantitative interference.
- U - Compound was not detected at specified quantitation limit.
- Values in **Bold** indicate the compound was detected.
- Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards.**
- Values shown in Bold and shaded type exceed TSCA but are less than the listed Method 1 standards.**
- EMPCs - Estimated Maximum Possible Concentrations.
- TEQ - Toxicity Equivalent; calculated using 2005 WHO Toxicity Equivalent Factors.
- RC - Reportable Concentration.
- TSCA - Toxic Substances Control Act criteria.
- * - For reference purposes only.

Table 5
Summary of Analytical Results for Supplemental HS-8 Investigation Soil Samples
New Bedford High School
New Bedford, Massachusetts

	Sample ID:	Sample Depth (ft.):						SB-368		SB-369		SB-370		
		Sample Date:						0-1	1-2.5	0-1	1-3	0-1	1-3	1-3
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA	7/15/2011	7/15/2011	7/15/2011	7/15/2011	7/15/2011	7/15/2011	7/15/2011
PAHs (mg/kg)														
2-Methylnaphthalene	80	300	80	500	0.7	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Acenaphthylene	600	10	600	10	1	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Benzo(a)anthracene	7	7	40	40	7	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Benzo(a)pyrene	2	2	4	4	2	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Benzo(b)fluoranthene	7	7	40	40	7	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Benzo(k)fluoranthene	70	70	400	400	70	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Chrysene	70	70	400	400	70	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Naphthalene	40	500	40	1,000	4	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Phenanthrene	500	500	1,000	1,000	10	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	0.19 U	0.19 U	0.19 U	0.19 U	0.61 U	0.24 U	0.24 U	
PCBs (mg/kg)														
Aroclor-1016	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Aroclor-1221	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Aroclor-1232	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Aroclor-1242	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Aroclor-1248	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Aroclor-1254	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Aroclor-1260	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Aroclor-1262	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Aroclor-1268	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Total PCBs	2	2	3	3	2	1	0.11 U	0.11 U	0.11 U	0.11 U	0.18 U	0.14 U	0.14 U	
Metals, total (mg/kg)														
Antimony	20	20	30	30	20	N/A	2.8 U	2.7 U	2.8 U	2.8 U	4.5 U	3.5 U	3.4 U	
Arsenic	20	20	20	20	20	N/A	2.8 U	2.7 U	2.8 U	2.8 U	4.5 U	3.5 U	3.4 U	
Barium	1,000	1,000	3,000	3,000	1,000	N/A	17	18	16	23	44	25	24	
Beryllium	100	100	200	200	100	N/A	0.28 U	0.27 U	0.28 U	0.28 U	0.45 U	0.35 U	0.34 U	
Cadmium	2	2	30	30	2	N/A	0.28 U	0.27 U	0.28 U	0.28 U	0.45 U	0.35 U	0.34 U	
Chromium	30	30	200	200	30	N/A	6.0	9.4	6.1	7.8	12	13	13	
Lead	300	300	300	300	300	N/A	17	11	15	6.8	68	15	18	
Mercury	20	20	30	30	20	N/A	0.030	0.029	0.029	0.027 U	0.080	0.037	0.038	
Nickel	20	20	700	700	20	N/A	3.3	4.7	3.1	5.9	6.8	5.5	5.4	
Selenium	400	400	800	800	400	N/A	5.7 U	5.5 U	5.7 U	5.6 U	8.9 U	7.0 U	6.9 U	
Silver	100	100	200	200	100	N/A	0.57 U	0.55 U	0.57 U	0.56 U	0.89 U	0.70 U	0.69 U	
Thallium	8	8	60	60	8	N/A	2.8 U	2.7 U	2.8 U	2.8 U	4.5 U	3.5 U	3.4 U	
Vanadium	600	600	1,000	1,000	600	N/A	13	15	11	13	22	22	25	
Zinc	2,500	2,500	3,000	3,000	2,500	N/A	19	16	17	13	49	24	25	

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

Table 6
Summary of Analytical Results for Stockpile Characterization Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Date:		STKP-A- TPH-E 8/15/2011	STKP-A- TPH-W 8/15/2011	STKP-A-1 7/12/2011	STKP-A-2 7/12/2011	STKP A2 1 8/22/2011	STKP A2 2 8/22/2011	STKP A2 3 8/22/2011	STKP A2 4 8/22/2011	STKP A2 5 8/25/2011	STKP-A-3 7/12/2011	STKP-A-4 7/12/2011	STKP-B-1 7/13/2011	STKP-B-2 7/13/2011	STKP-B2-1 8/15/2011	STKP-B2-2 8/15/2011	STKP-B3 7/13/2011	STKP-B3-1		STKP-B3-2 8/17/2011
		Reuse Levels*																		8/17/2011	8/19/2011	
		Lined Landfills	Unlined Landfills																			
Herbicides (mg/kg)	2,4,5-T	N/A	N/A	NA	NA	0.0026 U	0.0027 U	NA	NA	NA	NA	NA	0.0026 U	0.0029 U	0.0027 U	0.0027 U	NA	NA	0.0029 U	NA	NA	NA
	2,4,5-TP (Silvex)	N/A	N/A	NA	NA	0.0026 U	0.0027 U	NA	NA	NA	NA	NA	0.0026 U	0.0029 U	0.0027 U	0.0027 U	NA	NA	0.0029 U	NA	NA	NA
	2,4-D	N/A	N/A	NA	NA	0.026 U	0.027 U	NA	NA	NA	NA	NA	0.026 U	0.029 U	0.027 U	0.027 U	NA	NA	0.029 U	NA	NA	NA
	2,4-DB	N/A	N/A	NA	NA	0.026 U	0.027 U	NA	NA	NA	NA	NA	0.026 U	0.029 U	0.027 U	0.027 U	NA	NA	0.029 U	NA	NA	NA
	Dalapon	N/A	N/A	NA	NA	0.066 U	0.067 U	NA	NA	NA	NA	NA	0.065 U	0.072 U	0.068 U	0.067 U	NA	NA	0.073 U	NA	NA	NA
	Dicamba	N/A	N/A	NA	NA	0.0026 U	0.0027 U	NA	NA	NA	NA	NA	0.0026 U	0.0029 U	0.0027 U	0.0027 U	NA	NA	0.0029 U	NA	NA	NA
	Dichloroprop	N/A	N/A	NA	NA	0.026 U	0.027 U	NA	NA	NA	NA	NA	0.026 U	0.029 U	0.027 U	0.027 U	NA	NA	0.029 U	NA	NA	NA
	Dinoseb	N/A	N/A	NA	NA	0.013 U	0.013 U	NA	NA	NA	NA	NA	0.013 U	0.014 U	0.014 U	0.013 U	NA	NA	0.015 U	NA	NA	NA
	MCPA	N/A	N/A	NA	NA	2.6 U	2.7 U	NA	NA	NA	NA	NA	2.6 U	2.9 U	2.7 U	2.7 U	NA	NA	2.9 U	NA	NA	NA
	MCPP	N/A	N/A	NA	NA	2.6 U	2.7 U	NA	NA	NA	NA	NA	2.6 U	2.9 U	2.7 U	2.7 U	NA	NA	2.9 U	NA	NA	NA
Metals, total (mg/kg)	Arsenic	40	40	NA	NA	2.7 U	2.7 U	2.8 U	2.8 U	2.8 U	2.8 U	2.6 U	2.6 U	3.0	2.7 U	2.8 U	2.6 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
	Barium	N/A	N/A	NA	NA	610	1,300	1,500	1,200	1,200	1,800	1,500	36	780	290	250	58	77	1,500	140	NA	230
	Cadmium	80	30	NA	NA	0.65	0.52	2.6	3.2	2.4	4.8	2.9	0.26 U	1.8	0.85	0.89	0.72	1.1	1.1	0.40	NA	1.2
	Chromium	1,000	1,000	NA	NA	38	210	150	140	140	220	120	5.3	92	23	26	8.3	22	64	14	NA	24
	Lead	2,000	1,000	NA	NA	230	210	640	930	690	840	560	41	530	280	210	210	340	400	100	NA	240
	Mercury	10	10	NA	NA	0.093	0.13	0.79	0.61	1.3	0.66	0.74	0.026 U	0.25	0.28	0.27	0.19	0.22	0.32	0.16	NA	0.37
	Selenium	N/A	N/A	NA	NA	5.4 U	5.4 U	5.7 U	5.6 U	5.6 U	5.6 U	5.2 U	5.1 U	5.7 U	5.4 U	5.6 U	5.2 U	5.6 U	5.7 U	5.7 U	5.7 U	5.5 U
	Silver	N/A	N/A	NA	NA	0.54 U	0.54 U	0.57 U	1.0	0.64	0.70	0.86	0.51 U	0.57 U	0.54 U	0.56 U	0.52 U	0.56 U	0.57 U	0.57 U	0.57 U	0.55 U
Metals, TCLP (mg/L)	Barium	100**	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	5**	N/A	NA	NA	NA	0.010 U	0.017	0.018	0.022	0.019	0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	5**	N/A	NA	NA	0.68	1.6	2.8	2.3	4.0	3.6	2.9	NA	2.4	1.8	0.65	0.17	0.24	2.0	0.11	NA	0.48
General Chemistry (°F)	Flashpoint	N/A	N/A	NA	NA	NA	NA	>212	>212	>212	>212	>212	NA	NA	NA	NA	NA	NA	NA	>212	NA	>212
	Ignitability	N/A	N/A	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
(s.u.)	pH	>2 <12.5	>2 <12.5	NA	NA	5.8	5.0	7.1	6.8	7.0	7.0	6.0	6.7	6.8	5.6	5.5	5.9	6.1	6.4	5.6	NA	5.6
(mg/kg)	Reactive Cyanide	< 250	< 250	NA	NA	3.9 U	3.9 U	3.9 U	3.9 U	4.0 U	3.9 U	4.0 U	4.0 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
(mg/kg)	Reactive Sulfide	< 500	< 500	NA	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U	19 U	19 U	19 U	20 U	20 U
(umhos/cm)	Specific conductance	8,000	4,000	NA	NA	NA	NA	14	12	18	15	5.0	NA	NA	NA	NA	4.0	5.2	NA	3.7	NA	3.8

Notes:

(1) - Post-treatment soil samples collected from Stockpile C by Clean Harbors Environmental Services, Inc.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter.

s.u. - Standard unit.

umhos/cm - Micro-mhos per centimeter.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

ND - Not detected.

NI - Not ignitable.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and shaded type** exceed one or more of the listed Reuse Levels.

VOCs - Volatile Organic Compounds.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

TCLP - Toxicity Characteristic Leaching Procedure.

* - Reuse and Disposal of Contaminated Soil at Massachusetts Landfills,

MassDEP Policy # COMM-97-001, August 1997.

** - EPA SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

Table 6
Summary of Analytical Results for Stockpile Characterization Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Date:		STKP-B3-3 8/17/2011	STKP-B3-4 8/17/2011	STKP-B3-5 8/17/2011	STKP-B3-6 8/19/2011	STKP-B3-7 8/19/2011	STKP-B3-8 8/19/2011	STKP-B3-9 8/19/2011	STKP B3 10 8/25/2011	STKP B3 11 8/25/2011	STKP B3 12 8/25/2011	STKP B3 13 8/25/2011	STKP B3 14 8/25/2011	STKP B3 15 8/25/2011	STKP B3 16 8/25/2011	STKP-B-4 7/13/2011	STKP-C-1 7/12/2011	STKP-C-2 8/9/2011	STKP-C-3 8/9/2011	STKP CT 1 8/25/2011	
		Reuse Levels*																					
		Lined Landfills	Unlined Landfills																				
Herbicides (mg/kg)	2,4,5-T	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0028 U	NA	NA	NA	NA	
	2,4,5-TP (Silvex)	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0028 U	NA	NA	NA	NA	
	2,4-D	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.028 U	NA	NA	NA	NA	
	2,4-DB	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.028 U	NA	NA	NA	NA	
	Dalapon	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.069 U	NA	NA	NA	NA	
	Dicamba	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0028 U	NA	NA	NA	NA	
	Dichloroprop	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.028 U	NA	NA	NA	NA	
	Dinoseb	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014 U	NA	NA	NA	NA	
	MCPA	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	NA	NA	NA	NA	
	MCPP	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8 U	NA	NA	NA	NA	
Metals, total (mg/kg)	Arsenic	40	40	2.8 U	2.8 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.5 U	2.8 U	2.7 U	3.9	10	3.8	NA	
	Barium	N/A	N/A	260	160	200	260	170	400	32	94	32	30	76	96	140	2,100	900	720	600	460	NA	
	Cadmium	80	30	2.1	0.62	0.50	0.42	0.28 U	0.37	0.27 U	0.26 U	0.26 U	0.26 U	0.26 U	0.34	0.29	2.9	0.62	1.6	1.4	2.6	NA	
	Chromium	1,000	1,000	19	22	13	19	11	22	7.4	10	9.6	6.7	9.0	14	18	170	38	30	21	46	NA	
	Lead	2,000	1,000	220	140	54	120	56	92	22	55	44	42	57	110	140	960	550	1,900	1,600	880	NA	
	Mercury	10	10	0.19	0.26	0.059	0.10	0.55	0.71	0.33	0.079	0.057	0.058	0.058	0.23	0.20	0.95	0.25	3.0	2.9	1.3	NA	
	Selenium	N/A	N/A	5.6 U	5.7 U	5.4 U	5.2 U	5.5 U	5.2 U	5.4 U	5.2 U	5.2 U	5.3 U	5.2 U	5.3 U	5.0 U	5.6 U	5.5 U	5.6 U	7.7 U	6.7 U	NA	
	Silver	N/A	N/A	0.56 U	0.57 U	0.54 U	0.52 U	0.55 U	0.52 U	0.54 U	0.52 U	0.52 U	0.53 U	0.52 U	0.53 U	0.50 U	1.2	0.55 U	0.56 U	0.77 U	0.67 U	NA	
Metals, TCLP (mg/L)	Barium	100**	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	NA	NA	NA	
	Chromium	5**	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.019	NA	NA	NA	NA	NA	
	Lead	5**	N/A	0.21	0.19	NA	0.44	NA	NA	NA	NA	NA	NA	NA	0.53	1.3	4.7	0.96	6.4	2.3	1.3	NA	
General Chemistry (°F)	Flashpoint	N/A	N/A	>212	>212	>212	NA	NA	NA	NA	> 212	> 212	> 212	> 212	> 212	> 212	> 212	NA	NA	>212	>212	NA	
	Ignitability	N/A	N/A	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA
(s.u.)	pH	>2 <12.5	>2 <12.5	5.7	5.5	5.5	5.9	5.7	5.8	5.7	5.5	5.0	5.5	5.5	5.2	5.6	6.6	6.2	6.0	5.6	5.9	NA	
(mg/kg)	Reactive Cyanide	< 250	< 250	3.9 U	3.9 U	3.9 U	4.0 U	3.9 U	3.9 U	3.9 U	4.0 U	3.9 U	3.9 U	4.0 U	4.0 U	3.9 U	3.9 U	3.9 U	4.0 U	4.0 U	3.9 U	NA	
(mg/kg)	Reactive Sulfide	< 500	< 500	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U	20 U	20 U	19 U	19 U	19 U	20 U	20 U	20 U	NA	
(umhos/cm)	Specific conductance	8,000	4,000	3.1	4.1	20	4.0	4.0	3.7	2.7	3.7	2.6	2.0 U	2.0 U	2.4	2.1	3.9	NA	9.4	NA	NA	NA	

Notes:

(1) - Post-treatment soil samples collected from Stockpile C by Clean Harbors Environmental Service

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter.

s.u. - Standard unit.

umhos/cm - Micro-mhos per centimeter.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

ND - Not detected.

NI - Not ignitable.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and shaded type** exceed one or more of the listed Reuse Levels.

VOCs - Volatile Organic Compounds.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

TCLP - Toxicity Characteristic Leaching Procedure.

* - Reuse and Disposal of Contaminated Soil at Massachusetts Landfills,

MassDEP Policy # COMM-97-001, August 1997.

** - EPA SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

Table 6
Summary of Analytical Results for Stockpile Characterization Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Date:		STKP CT 2 8/25/2011	STKP CT 3 8/25/2011	A-1 ⁽¹⁾ 8/17/2011	A-2 ⁽¹⁾ 8/17/2011	A-3 ⁽¹⁾ 8/17/2011	STKP-D-1 6/30/2011	STKP D2-1 9/26/2011	STKP D2-2 9/26/2011	STKP D2-3 9/26/2011	STKP D2-4 9/26/2011	STKP D2-5 9/27/2011	STKP D2-6 9/27/2011	STKP D2-7 9/27/2011	STKP D2-8 9/28/2011	STKP D2-9 9/28/2011	STKP D2-10 9/28/2011	STKP D3-1 9/30/2011	STKP D3-2 9/30/2011	STKP D3-3 9/30/2011	
		Reuse Levels*																					
		Lined Landfills	Unlined Landfills																				
Herbicides (mg/kg)	2,4,5-T	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-D	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-DB	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dalapon	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MCPA	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MCPD	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total (mg/kg)	Arsenic	40	40	NA	NA	NA	NA	NA	5.4	4.3	3.5	2.8 U	2.9	3.0	2.8 U	2.9 U	2.9 U	6.4	3.1 U	3.6	2.8 U	5.1	
	Barium	N/A	N/A	NA	NA	NA	NA	NA	NA	420	380	340	310	210	370	200	280	240	240	310	180	540	
	Cadmium	80	30	NA	NA	NA	NA	NA	0.82	2.5	2.1	2.0	1.9	1.6	2.5	1.5	2.1	1.7	1.8	2.0	1.1	2.4	
	Chromium	1,000	1,000	NA	NA	NA	NA	NA	11	34	31	28	22	19	22	19	22	19	23	35	15	34	
	Lead	2,000	1,000	NA	NA	NA	NA	NA	250	900	570	810	510	360	420	330	460	390	420	560	490	710	
	Mercury	10	10	NA	NA	NA	NA	NA	0.27	0.60	0.60	0.54	0.47	0.37	0.27	0.34	0.44	0.32	0.30	0.59	0.44	0.91	
	Selenium	N/A	N/A	NA	NA	NA	NA	NA	NA	5.7 U	5.5 U	5.7 U	5.6 U	5.9 U	5.6 U	5.7 U	5.7 U	5.8 U	6.2 U	5.5 U	5.7 U	5.8 U	
	Silver	N/A	N/A	NA	NA	NA	NA	NA	NA	1.1	1.0	0.90	0.75	0.59 U	0.56 U	0.57 U	0.57 U	0.58 U	0.62 U	0.55 U	0.57 U	0.80	
Metals, TCLP (mg/L)	Barium	100**	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	5**	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	5**	N/A	NA	NA	2.52	0.05 U	0.135	1.4	0.18	0.21	0.80	0.33	0.58	0.38	0.37	0.54	0.54	0.42	0.78	0.77	1.0	
General Chemistry (°F)	Flashpoint	N/A	N/A	NA	NA	NA	NA	NA	NA	>212	>212	>212	>212	>212	>212	>212	>212	>212	>212	>212	>212	>212	
	Ignitability	N/A	N/A	NA	NA	NA	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	
(s.u.)	pH	>2 <12.5	>2 <12.5	NA	NA	NA	NA	NA	NA	6.6	6.5	6.3	6.1	5.7	5.7	5.5	5.6	5.9	5.6	6.1	6.0	6.3	
(mg/kg)	Reactive Cyanide	< 250	< 250	NA	NA	NA	NA	NA	NA	4.0 U	3.9 U	3.9 U	4.0 U	3.9 U	3.9 U	4.0 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	
(mg/kg)	Reactive Sulfide	< 500	< 500	NA	NA	NA	NA	NA	NA	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	19 U	20 U	
(umhos/cm)	Specific conductance	8,000	4,000	NA	NA	NA	NA	NA	3.5	6.1	6.1	4.9	4.5	3.0	3.6	3.8	3.6	3.7	4.1	4.5	4.3	4.9	

Notes:

(1) - Post-treatment soil samples collected from Stockpile C by Clean Harbors Environmental Service

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter.

s.u. - Standard unit.

umhos/cm - Micro-mhos per centimeter.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

ND - Not detected.

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MassDEP Policy # COMM-97-001, August 1997.

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Table 6
Summary of Analytical Results for Stockpile Characterization Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		STKP D3-4 9/30/2011	STKP D3-5 10/14/2011	STKP D3-6 10/14/2011	STKP D3-7 10/14/2011	STKP D3-8 10/14/2011	STKP D3-9 10/14/2011	STKP D3-10 10/17/2011	STKP D3-11 10/17/2011	STKP D3-12 10/17/2011	STKP D3-13 10/17/2011	STKP D3-14 10/17/2011	Composite (90:10) 12/30/2011
		Reuse Levels*													
		Lined Landfills	Unlined Landfills												
VOCs (mg/kg)	1,1,1,2-Tetrachloroethane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,1,1-Trichloroethane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,1,2,2-Tetrachloroethane	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA
	1,1,2-Trichloroethane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,1-Dichloroethane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,1-Dichloroethylene	N/A	N/A	0.0024 U	0.0020 U	0.0029 U	0.0026 U	0.0028 U	0.0026 U	0.0027 U	0.0026 U	0.0031 U	0.0023 U	0.0029 U	NA
	1,1-Dichloropropene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,2,3-Trichlorobenzene	N/A	N/A	0.0061 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,2,3-Trichloropropane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,2,4-Trichlorobenzene	N/A	N/A	0.0061 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,2,4-Trimethylbenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,2-Dibromo-3-chloropropane (DBCP)	N/A	N/A	0.0024 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,2-Dibromoethane (EDB)	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA
	1,2-Dichlorobenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,2-Dichloroethane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,2-Dichloropropane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,3,5-Trimethylbenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,3-Dichlorobenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,3-Dichloropropane	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA
	1,4-Dichlorobenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	1,4-Dioxane	N/A	N/A	0.061 U	0.050 U	0.071 U	0.066 U	0.069 U	0.066 U	0.067 U	0.065 U	0.077 U	0.056 U	0.072 U	NA
	2,2-Dichloropropane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	2-Butanone (MEK)	N/A	N/A	0.024 U	0.020 U	0.029 U	0.026 U	0.028 U	0.026 U	0.027 U	0.026 U	0.031 U	0.023 U	0.029 U	NA
	2-Chlorotoluene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	2-Hexanone (MBK)	N/A	N/A	0.012 U	0.010 U	0.014 U	0.013 U	0.014 U	0.013 U	0.013 U	0.013 U	0.015 U	0.011 U	0.014 U	NA
	4-Chlorotoluene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	4-Methyl-2-pentanone (MIBK)	N/A	N/A	0.012 U	0.010 U	0.014 U	0.013 U	0.014 U	0.013 U	0.013 U	0.013 U	0.015 U	0.011 U	0.014 U	NA
	Acetone	N/A	N/A	0.061 U	0.050 U	0.071 U	0.066 U	0.069 U	0.066 U	0.067 U	0.065 U	0.077 U	0.056 U	0.072 U	NA
	Benzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Bromobenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Bromochloromethane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Bromodichloromethane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Bromoform	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Bromomethane	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA
	Carbon Disulfide	N/A	N/A	0.0036 U	0.020 U	0.029 U	0.026 U	0.028 U	0.026 U	0.027 U	0.026 U	0.031 U	0.023 U	0.029 U	NA
	Carbon Tetrachloride	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Chlorobenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Chlorodibromomethane	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA
	Chloroethane	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA
	Chloroform	N/A	N/A	0.0024 U	0.0020 U	0.0029 U	0.0026 U	0.0028 U	0.0026 U	0.0027 U	0.0026 U	0.0031 U	0.0023 U	0.0029 U	NA
	Chloromethane	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA
cis-1,2-Dichloroethylene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA	
cis-1,3-Dichloropropene	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA	
Dibromomethane	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA	
Dichlorodifluoromethane (Freon 12)	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA	
Diethyl Ether	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA	
Diisopropyl Ether (DIPE)	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA	
Ethylbenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA	
Hexachlorobutadiene	N/A	N/A	0.0024 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA	
Isopropylbenzene (Cumene)	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA	
m+p Xylene	N/A	N/A	0.0024 U	0.0020 U	0.0029 U	0.0026 U	0.0028 U	0.0026 U	0.0027 U	0.0026 U	0.0031 U	0.0023 U	0.0029 U	NA	
Methyl tert-Butyl Ether (MTBE)	N/A	N/A	0.0024 U	0.0020 U	0.0029 U	0.0026 U	0.0028 U	0.0026 U	0.0027 U	0.0026 U	0.0031 U	0.0023 U	0.0029 U	NA	
Methylene Chloride	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA	
Naphthalene	N/A	N/A	0.0061 U	0.0020 U	0.0029 U	0.0026 U	0.0028 U	0.0026 U	0.0027 U	0.0026 U	0.0031 U	0.0023 U	0.0029 U	NA	
n-Butylbenzene	N/A	N/A	0.0024 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA	

Table 6
Summary of Analytical Results for Stockpile Characterization Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Date:		STKP D3-4 9/30/2011	STKP D3-5 10/14/2011	STKP D3-6 10/14/2011	STKP D3-7 10/14/2011	STKP D3-8 10/14/2011	STKP D3-9 10/14/2011	STKP D3-10 10/17/2011	STKP D3-11 10/17/2011	STKP D3-12 10/17/2011	STKP D3-13 10/17/2011	STKP D3-14 10/17/2011	Composite (90:10) 12/30/2011
		Reuse Levels*													
		Lined Landfills	Unlined Landfills												
	n-Propylbenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	o-Xylene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	p-Isopropyltoluene (p-Cymene)	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	sec-Butylbenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Styrene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	tert-Amyl Methyl Ether (TAME)	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA
	tert-Butyl Ethyl Ether (TBEE)	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA
	tert-Butylbenzene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Tetrachloroethylene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Tetrahydrofuran	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA
	Toluene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	trans-1,2-Dichloroethylene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	trans-1,3-Dichloropropene	N/A	N/A	0.00061 U	0.00050 U	0.00071 U	0.00066 U	0.00069 U	0.00066 U	0.00067 U	0.00065 U	0.00077 U	0.00056 U	0.00072 U	NA
	Trichloroethylene	N/A	N/A	0.0012 U	0.0010 U	0.0014 U	0.0013 U	0.0014 U	0.0013 U	0.0013 U	0.0013 U	0.0015 U	0.0011 U	0.0014 U	NA
	Trichlorofluoromethane (Freon 11)	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA
	Vinyl Chloride	N/A	N/A	0.0061 U	0.0050 U	0.0071 U	0.0066 U	0.0069 U	0.0066 U	0.0067 U	0.0065 U	0.0077 U	0.0056 U	0.0072 U	NA
	Total VOCs	10	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
SVOCs (mg/kg)	1,2,4-Trichlorobenzene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	1,2-Dichlorobenzene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	1,2-Diphenylhydrazine (as Azobenzene)	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	1,3-Dichlorobenzene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	1,4-Dichlorobenzene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2,4,5-Trichlorophenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2,4,6-Trichlorophenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2,4-Dichlorophenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2,4-Dimethylphenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2,4-Dinitrophenol	N/A	N/A	1.5 U	0.75 U	0.75 U	1.5 U	0.79 U	1.6 U	3.0 U	3.0 U	2.9 U	3.1 U	3.8 U	NA
	2,4-Dinitrotoluene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2,6-Dinitrotoluene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2-Chloronaphthalene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2-Chlorophenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2-Methylnaphthalene	N/A	N/A	0.39 U	0.19 U	0.19 U	0.39 U	0.20 U	0.41 U	0.76 U	0.77 U	0.74 U	0.80 U	0.97 U	NA
	2-Methylphenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	2-Nitrophenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	3,3-Dichlorobenzidine	N/A	N/A	0.39 U	0.19 U	0.19 U	0.39 U	0.20 U	0.41 U	0.76 U	0.77 U	0.74 U	0.80 U	0.97 U	NA
	3/4-Methylphenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	4-Bromophenylphenylether	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	4-Chloroaniline	N/A	N/A	1.5 U	0.75 U	0.75 U	1.5 U	0.79 U	1.6 U	3.0 U	3.0 U	2.9 U	3.1 U	3.8 U	NA
	4-Nitrophenol	N/A	N/A	1.5 U	0.75 U	0.75 U	1.5 U	0.79 U	1.6 U	3.0 U	3.0 U	2.9 U	3.1 U	3.8 U	NA
	Acenaphthene	N/A	N/A	0.39 U	0.19 U	0.19 U	0.39 U	0.20 U	0.41 U	0.76 U	0.77 U	0.74 U	0.80 U	0.97 U	NA
	Acenaphthylene	N/A	N/A	0.39 U	0.19 U	0.19 U	0.39 U	0.20 U	0.41 U	0.76 U	0.77 U	0.74 U	0.80 U	0.97 U	NA
	Acetophenone	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Aniline	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Anthracene	N/A	N/A	1.1	0.32	0.32	0.39 U	0.30	0.51	1.8	1.3	1.9	1.5	0.97 U	NA
	Benzo(a)anthracene	N/A	N/A	2.3	0.72	1.1	0.64	0.85	1.3	4.3	2.9	3.0	3.2	1.6	NA
	Benzo(a)pyrene	N/A	N/A	1.8	0.53	0.76	0.52	0.70	1.2	3.7	2.5	2.4	2.8	1.5	NA
	Benzo(b)fluoranthene	N/A	N/A	2.2	0.60	0.87	0.70	0.85	1.5	4.5	2.9	2.9	3.5	1.9	NA
	Benzo(g,h,i)perylene	N/A	N/A	0.99	0.23	0.32	0.39 U	0.31	0.45	1.7	1.4	1.2	1.3	0.97 U	NA
	Benzo(k)fluoranthene	N/A	N/A	0.85	0.25	0.35	0.39 U	0.34	0.60	1.7	1.2	1.2	1.4	0.97 U	NA
	Bis(2-chloroethoxy)methane	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Bis(2-chloroethyl)ether	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Bis(2-chloroisopropyl)ether	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Bis(2-Ethylhexyl)phthalate	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA

Table 6
Summary of Analytical Results for Stockpile Characterization Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		STKP D3-4 9/30/2011	STKP D3-5 10/14/2011	STKP D3-6 10/14/2011	STKP D3-7 10/14/2011	STKP D3-8 10/14/2011	STKP D3-9 10/14/2011	STKP D3-10 10/17/2011	STKP D3-11 10/17/2011	STKP D3-12 10/17/2011	STKP D3-13 10/17/2011	STKP D3-14 10/17/2011	Composite (90:10) 12/30/2011
		Reuse Levels*													
		Lined Landfills	Unlined Landfills												
	Butylbenzylphthalate	N/A	N/A	1.5 U	0.75 U	0.75 U	1.5 U	0.79 U	1.6 U	3.0 U	3.0 U	2.9 U	3.1 U	3.8 U	NA
	Chrysene	N/A	N/A	2.5	0.79	1.2	0.74	0.97	1.5	4.5	3.0	3.1	3.4	1.7	NA
	Dibenz(a,h)anthracene	N/A	N/A	0.39 U	0.19 U	0.19 U	0.39 U	0.20 U	0.41 U	0.76 U	0.77 U	0.74 U	0.80 U	0.97 U	NA
	Dibenzofuran	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Diethylphthalate	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Dimethylphthalate	N/A	N/A	1.5 U	0.75 U	0.75 U	1.5 U	0.79 U	1.6 U	3.0 U	3.0 U	2.9 U	3.1 U	3.8 U	NA
	Di-n-butylphthalate	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Di-n-octylphthalate	N/A	N/A	1.5 U	0.75 U	0.75 U	1.5 U	0.79 U	1.6 U	3.0 U	3.0 U	2.9 U	3.1 U	3.8 U	NA
	Fluoranthene	N/A	N/A	5.1	1.2	1.5	1.1	1.5	3.1	7.7	5.3	7.0	4.8	2.9	NA
	Fluorene	N/A	N/A	0.60	0.19 U	0.19 U	0.39 U	0.20 U	0.41 U	0.76 U	0.77 U	0.86	0.80 U	0.97 U	NA
	Hexachlorobenzene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Hexachlorobutadiene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Hexachloroethane	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Indeno(1,2,3-cd)pyrene	N/A	N/A	1.2	0.26	0.37	0.39 U	0.35	0.46	2.3	1.8	1.6	1.5	0.97 U	NA
	Isophorone	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Naphthalene	N/A	N/A	0.39 U	0.19 U	0.19 U	0.39 U	0.20 U	0.41 U	0.76 U	0.77 U	0.74 U	1.3	0.97 U	NA
	Nitrobenzene	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Pentachlorophenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Phenanthrene	N/A	N/A	5.3	1.4	1.4	1.1	1.4	2.3	7.2	5.5	7.3	5.8	2.2	NA
	Phenol	N/A	N/A	0.78 U	0.39 U	0.39 U	0.79 U	0.41 U	0.82 U	1.5 U	1.5 U	1.5 U	1.6 U	1.9 U	NA
	Pyrene	N/A	N/A	4.5	1.3	1.9	0.93	1.4	1.8	7.9	4.9	5.7	4.5	2.6	NA
	Total SVOCs	100	100	28	7.6	10	5.7	9.0	14.7	47	33	38	35	14.4	NA
Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	5,000	2,500	400	210	160	180	440	350	1,100	910	360	760	1,100	NA
PCBs (mg/kg)	Aroclor-1016	N/A	N/A	0.23 U	0.45 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.14 U	NA
	Aroclor-1221	N/A	N/A	0.23 U	0.45 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.14 U	NA
	Aroclor-1232	N/A	N/A	0.23 U	0.45 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.14 U	NA
	Aroclor-1242	N/A	N/A	0.23 U	0.45 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.14 U	NA
	Aroclor-1248	N/A	N/A	0.23 U	0.45 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.14 U	NA
	Aroclor-1254	N/A	N/A	1.6	2.7	0.43	0.44	0.53	0.38	0.44	0.49	0.65	0.50	0.32	NA
	Aroclor-1260	N/A	N/A	0.23 U	0.45 U	0.11 U	0.12 U	0.27	0.24	0.30	0.37	0.83	0.33	0.14 U	NA
	Aroclor-1262	N/A	N/A	0.23 U	0.45 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.14 U	NA
	Aroclor-1268	N/A	N/A	0.23 U	0.45 U	0.11 U	0.12 U	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.14 U	NA
	Total PCBs	< 2	< 2	1.6	2.7	0.43	0.44	0.80	0.62	0.74	0.86	1.48	0.83	0.32	NA
Pesticides (mg/kg)	4,4'-DDD	N/A	N/A	0.046 U	0.090 U	0.090 U	0.093 U	0.096 U	0.095 U	0.043 U	0.043 U	0.043 U	0.047 U	0.056 U	NA
	4,4'-DDE	N/A	N/A	0.046 U	0.090 U	0.090 U	0.093 U	0.096 U	0.095 U	0.043 U	0.043 U	0.043 U	0.047 U	0.056 U	NA
	4,4'-DDT	N/A	N/A	0.046 U	0.090 U	0.090 U	0.093 U	0.096 U	0.095 U	0.043 U	0.043 U	0.043 U	0.047 U	0.056 U	NA
	Aldrin	N/A	N/A	0.058 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.054 U	0.054 U	0.054 U	0.059 U	0.070 U	NA
	alpha-BHC	N/A	N/A	0.058 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.054 U	0.054 U	0.054 U	0.059 U	0.070 U	NA
	beta-BHC	N/A	N/A	0.058 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.054 U	0.054 U	0.054 U	0.059 U	0.070 U	NA
	Chlordane	N/A	N/A	0.23 U	0.45 U	0.45 U	0.46 U	0.48 U	0.48 U	0.21 U	0.22 U	0.22 U	0.24 U	0.28 U	NA
	delta-BHC	N/A	N/A	0.058 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.054 U	0.054 U	0.054 U	0.059 U	0.070 U	NA
	Dieldrin	N/A	N/A	0.046 U	0.090 U	0.090 U	0.093 U	0.096 U	0.095 U	0.043 U	0.043 U	0.043 U	0.047 U	0.056 U	NA
	Endosulfan I	N/A	N/A	0.058 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.054 U	0.054 U	0.054 U	0.059 U	0.070 U	NA
	Endosulfan II	N/A	N/A	0.093 U	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.086 U	0.086 U	0.086 U	0.094 U	0.11 U	NA
	Endosulfan Sulfate	N/A	N/A	0.093 U	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.086 U	0.086 U	0.086 U	0.094 U	0.11 U	NA
	Endrin	N/A	N/A	0.093 U	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.086 U	0.086 U	0.086 U	0.094 U	0.11 U	NA
	Endrin Ketone	N/A	N/A	0.093 U	0.18 U	0.18 U	0.19 U	0.19 U	0.19 U	0.086 U	0.086 U	0.086 U	0.094 U	0.11 U	NA
	gamma-BHC (Lindane)	N/A	N/A	0.023 U	0.045 U	0.045 U	0.046 U	0.048 U	0.048 U	0.021 U	0.022 U	0.022 U	0.024 U	0.028 U	NA
	Heptachlor	N/A	N/A	0.058 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.054 U	0.054 U	0.054 U	0.059 U	0.070 U	NA
	Heptachlor Epoxide	N/A	N/A	0.058 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.054 U	0.054 U	0.054 U	0.059 U	0.070 U	NA
	Hexachlorobenzene	N/A	N/A	0.058 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	0.054 U	0.054 U	0.054 U	0.059 U	0.070 U	NA
	Methoxychlor	N/A	N/A	0.58 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	0.54 U	0.54 U	0.54 U	0.59 U	0.70 U	NA

Table 6
Summary of Analytical Results for Stockpile Characterization Samples
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Date:		STKP D3-4 9/30/2011	STKP D3-5 10/14/2011	STKP D3-6 10/14/2011	STKP D3-7 10/14/2011	STKP D3-8 10/14/2011	STKP D3-9 10/14/2011	STKP D3-10 10/17/2011	STKP D3-11 10/17/2011	STKP D3-12 10/17/2011	STKP D3-13 10/17/2011	STKP D3-14 10/17/2011	Composite (90:10) 12/30/2011	
		Reuse Levels*														
		Lined Landfills	Unlined Landfills													
Herbicides (mg/kg)	2,4,5-T	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-D	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-DB	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dalapon	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MCPA	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MCPP	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total (mg/kg)	Arsenic	40	40	4.4	2.9 U	2.9 U	3.9	8.7	6.1	8.6	7.0	6.5	4.8	7.5	NA	NA
	Barium	N/A	N/A	310	360	180	210	360	310	320	460	600	430	420	NA	NA
	Cadmium	80	30	1.9	0.98	0.75	0.93	1.9	3.4	6.2	3.6	3.5	2.2	1.7	NA	NA
	Chromium	1,000	1,000	21	22	20	21	27	41	25	30	34	32	17	NA	NA
	Lead	2,000	1,000	580	310	850	320	590	900	1100	980	1800	840	910	66	NA
	Mercury	10	10	0.80	0.41	0.28	0.29	0.56	0.68	0.31	0.39	0.54	0.72	0.37	NA	NA
	Selenium	N/A	N/A	6.0 U	5.7 U	5.8 U	5.8 U	6.0 U	6.0 U	5.5 U	5.4 U	5.3 U	5.8 U	6.9 U	NA	NA
	Silver	N/A	N/A	0.60 U	0.57 U	0.58 U	0.58 U	0.85	0.87	5.0	1.7	0.98	0.91	0.69 U	NA	NA
Metals, TCLP (mg/L)	Barium	100**	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	5**	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	5**	N/A	1.6	0.73	0.52	0.86	1.9	2.1	1.9	3.2	1.9	3.5	0.71	NA	NA
General Chemistry (°F)	Flashpoint	N/A	N/A	>212	>212	>212	>212	>212	>212	>212	>212	>212	>212	>212	>212	NA
	Ignitability	N/A	N/A	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA
(s.u.)	pH	>2 <12.5	>2 <12.5	6.6	5.9	6.1	6.4	6.5	6.9	6.9	7.0	7.1	7.2	6.6	NA	NA
(mg/kg)	Reactive Cyanide	< 250	< 250	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	4.0 U	3.9 U	3.9 U	4.0 U	3.9 U	NA	NA
(mg/kg)	Reactive Sulfide	< 500	< 500	20 U	20 U	19 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	NA	NA
(umhos/cm)	Specific conductance	8,000	4,000	5.2	4.4	4.4	4.1	6.5	8.9	8.8	11	12	7.8	8.8	NA	NA

Notes:

(1) - Post-treatment soil samples collected from Stockpile C by Clean Harbors Environmental Service
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter.

s.u. - Standard unit.

umhos/cm - Micro-mhos per centimeter.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

ND - Not detected.

NI - Not ignitable.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and shaded type** exceed one or more of the listed Reuse Levels.

VOCs - Volatile Organic Compounds.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

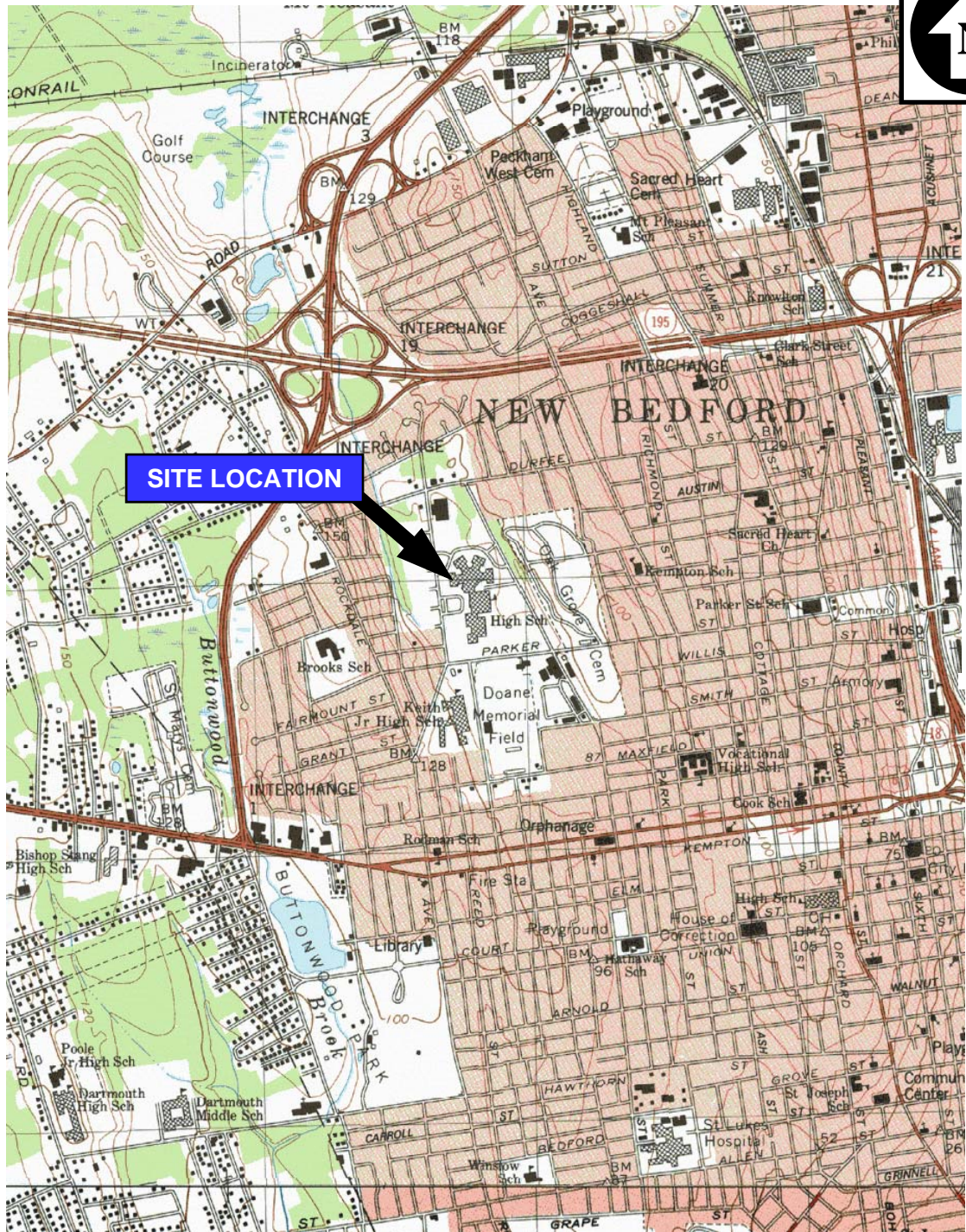
TCLP - Toxicity Characteristic Leaching Procedure.

* - Reuse and Disposal of Contaminated Soil at Massachusetts Landfills,

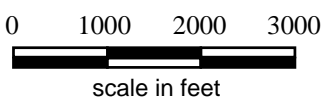
MassDEP Policy # COMM-97-001, August 1997.

** - EPA SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

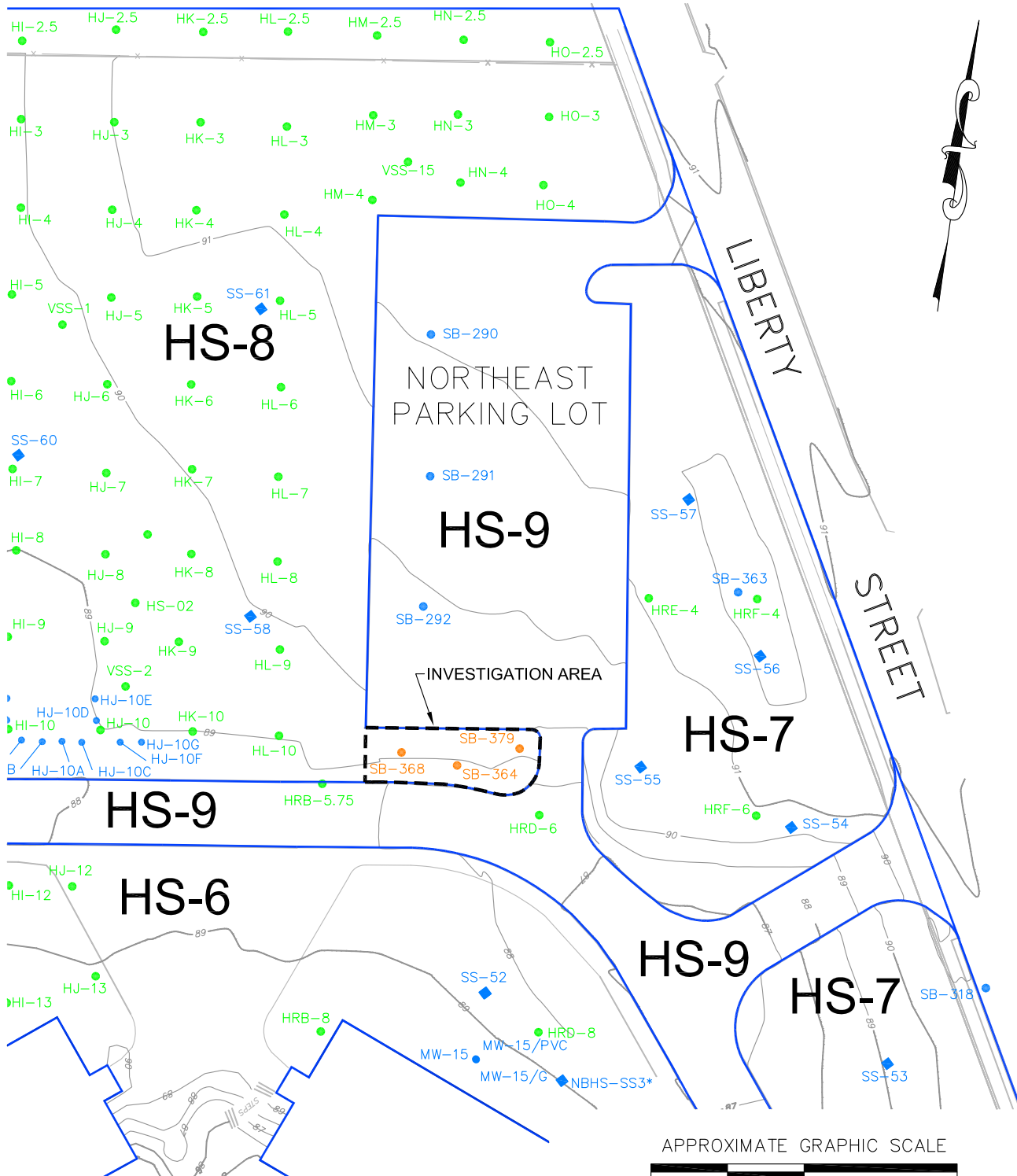
FIGURES



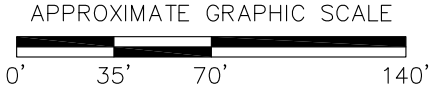
BASE MAP IS A PORTION OF THE FOLLOWING 7.5' X 15' USGS TOPOGRAPHIC QUADRANGLES: NEW BEDFORD NORTH, MA, 1979; NEW BEDFORD SOUTH, MA 1977



NEW BEDFORD HIGH SCHOOL NEW BEDFORD, MASSACHUSETTS	
SITE LOCATION MAP	
	Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 978-970-5600
Drawn: HWB	SCALE: AS SHOWN
Checked: DS	Date: OCT 2008
FIGURE 1	



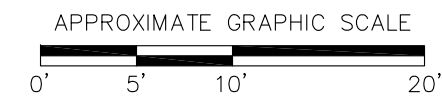
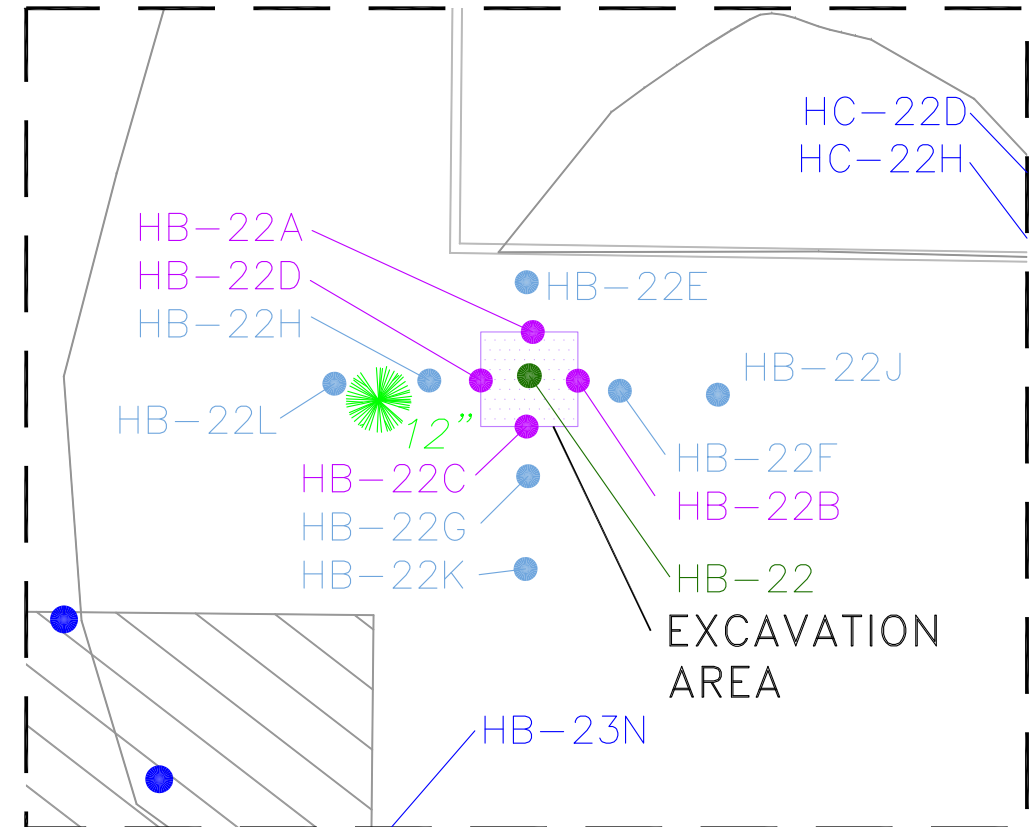
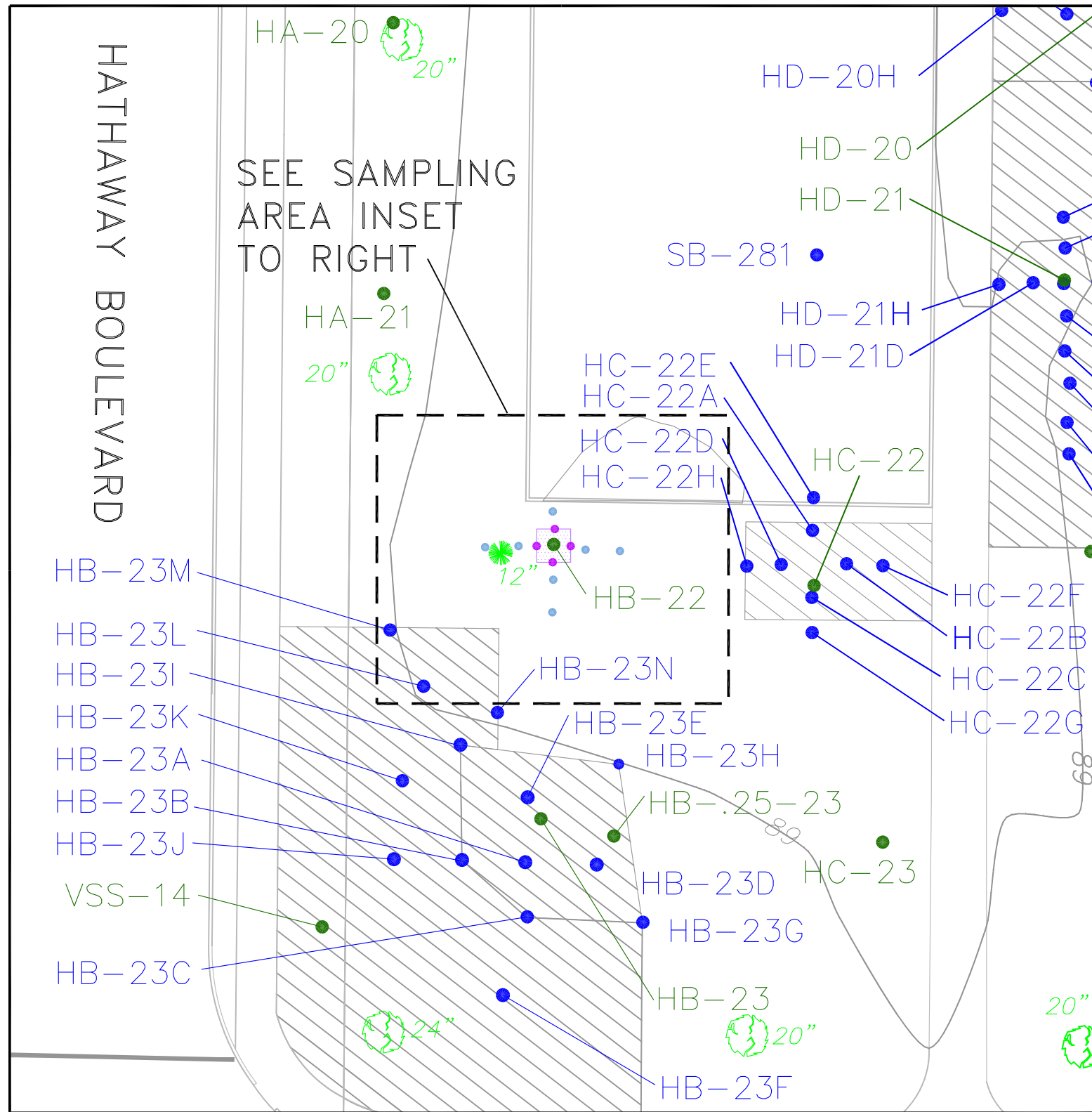
LEGEND:	
●	TRC SAMPLE LOCATIONS (JULY 15, 2011)
●	TRC SAMPLE LOCATIONS
●	VHB/BETA SAMPLE LOCATIONS
HS-9	EXPOSURE POINT AREA/DESIGNATION



FILE: T:\E_CAD\115058\NBHS_SUPP_HS-8_INVEST.dwg

NOTES:
 1. MAP PREPARED BASED ON DRAWINGS AND SURVEY DATA PROVIDED BY LAND PLANNING, INC. OF HANSON, MASSACHUSETTS.
 2. ALL TRC SAMPLING LOCATIONS SURVEYED BY LAND PLANNING, INC. OF HANSON, MASSACHUSETTS.
 3. BETA SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON THE FIGURE PROVIDED IN THE JUNE 9, 2006 "SUMMARY OF ANALYTICAL DATA, NEW BEDFORD HIGH SCHOOL, NEW BEDFORD, MASSACHUSETTS" BY BETA GROUP, INC. OF NORWOOD, MASSACHUSETTS.

NEW BEDFORD HIGH SCHOOL NEW BEDFORD, MASSACHUSETTS	
SUPPLEMENTAL HS-8 INVESTIGATION SOIL BORING LOCATIONS	
	Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600
DRAWN BY: HWB CHECKED BY: JBS	DATE: JULY 2011
FIGURE 2	

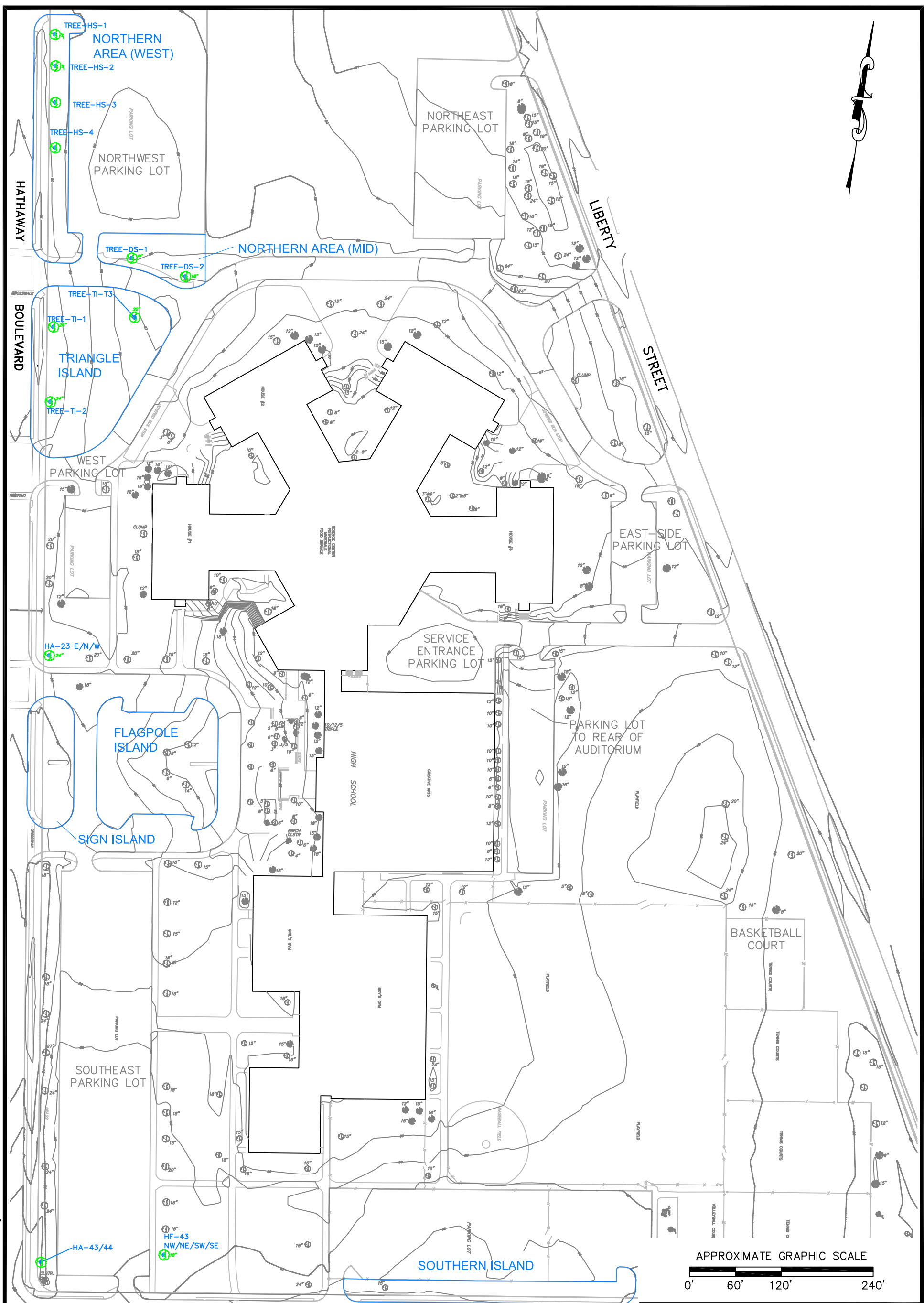


LEGEND:

- TRC SAMPLE LOCATIONS
- TRC CONTINGENCY SAMPLE LOCATIONS
- PREVIOUS TRC SAMPLE LOCATIONS
- VHB/BETA SAMPLE LOCATIONS
- PREVIOUSLY EXCAVATED AREA
- EXCAVATION AREA

NEW BEDFORD HIGH SCHOOL NEW BEDFORD, MASSACHUSETTS	
HB-22 SOIL SAMPLE LOCATIONS & EXCAVATION AREA	
	Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600
DRAWN BY: HWB CHECKED BY: JBS	DATE: DEC 2011
FIGURE 3	

FILE: T:\E_CAD\115058\NBHS TREE COMP SOIL SAMPS.dwg

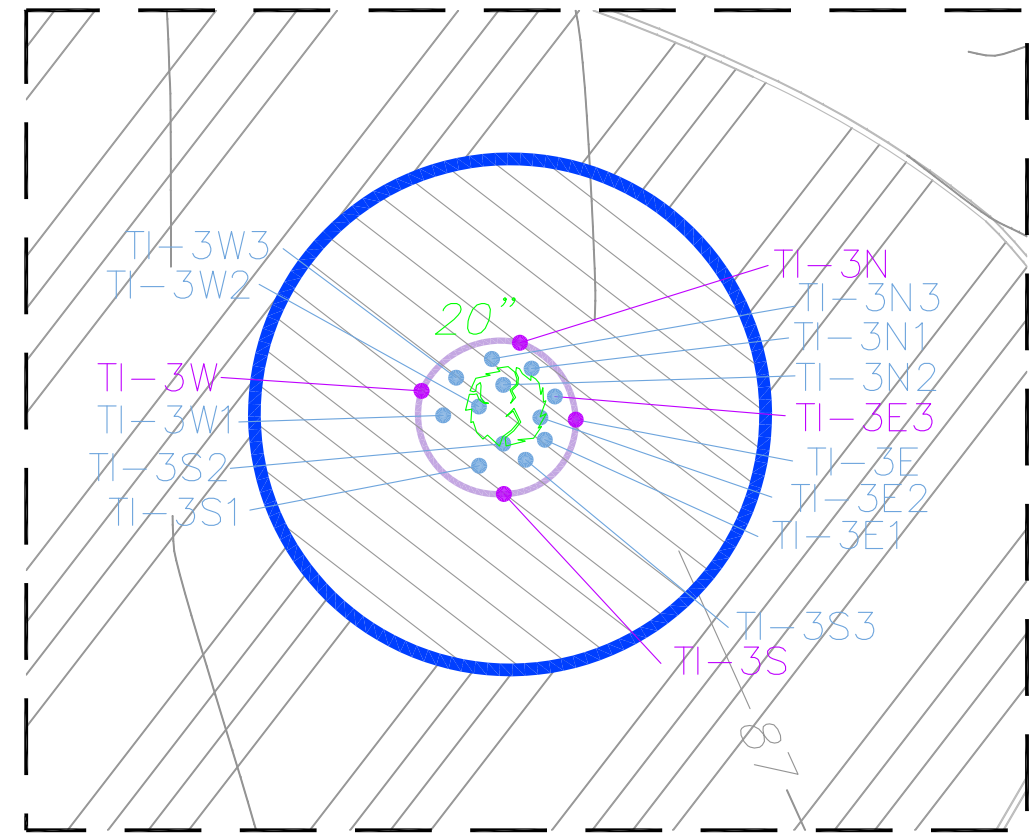
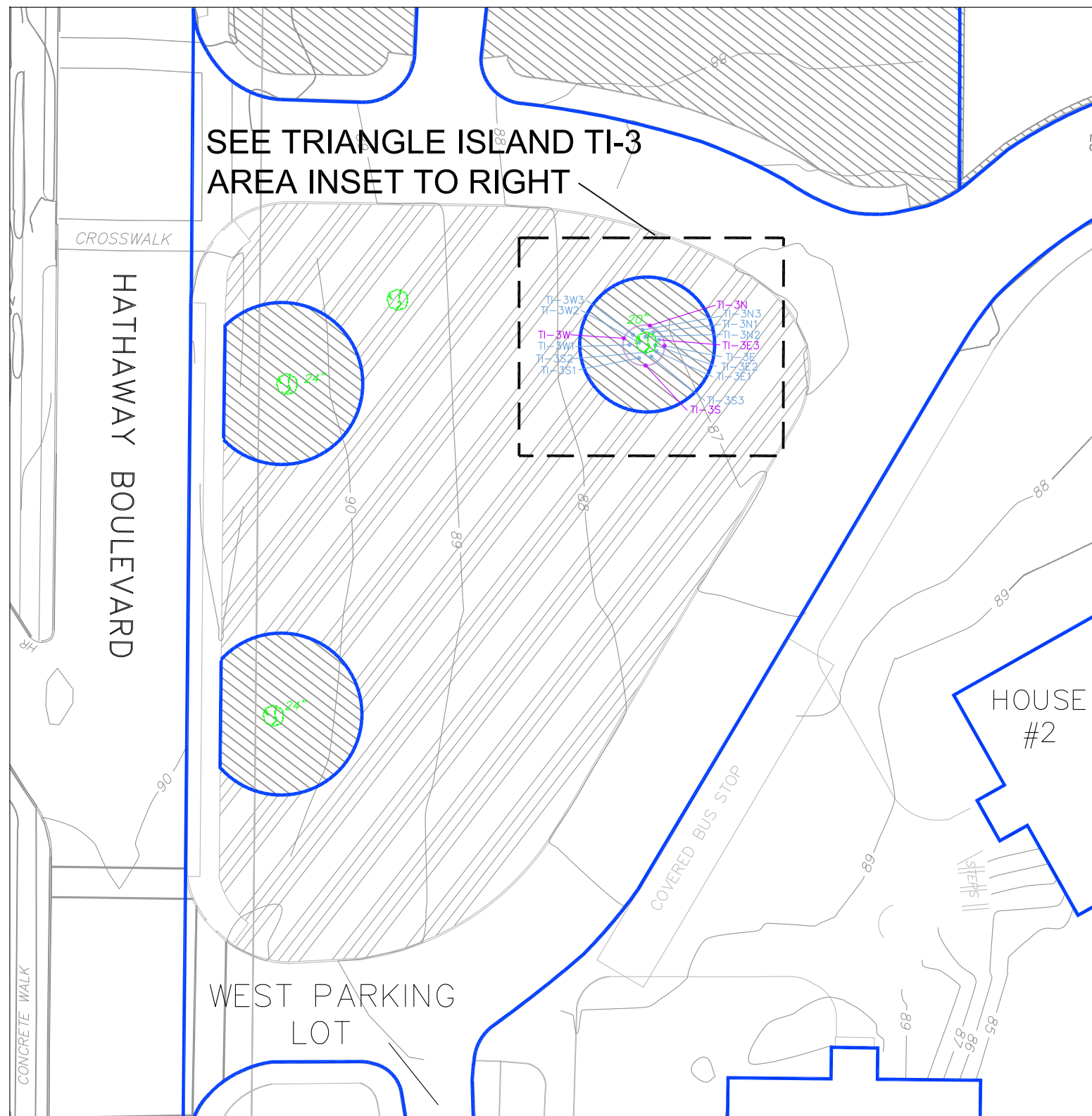


NOTES:
 1. MAP PREPARED BASED ON DRAWINGS AND SURVEY DATA PROVIDED BY LAND PLANNING, INC. OF HANSON, MASSACHUSETTS.
 2. ALL TRC SAMPLING LOCATIONS SURVEYED BY LAND PLANNING, INC. OF HANSON, MASSACHUSETTS.

- LEGEND:**
- APPROXIMATE COMPOSITE SOIL SAMPLE LOCATIONS
 - ① 10" TREE, DECIDUOUS, DIAMETER
 - 10" TREE, CONIFER, DIAMETER
 - EXCAVATION AREAS

NEW BEDFORD HIGH SCHOOL NEW BEDFORD, MASSACHUSETTS	
APPROXIMATE TREE COMPOSITE SOIL SAMPLE LOCATIONS	
TRC <small>Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600</small>	FIGURE 4
DRAWN BY: HWB CHECKED BY: JBS	DATE: JAN 2012

FILE: T:\E_CAD\115058\NBHS TI AREA -3.dwg



LEGEND:

- TRC DISCRETE SAMPLE LOCATIONS
- TRC SECTOR COMPOSITE SAMPLE LOCATIONS
- PAVED AREA
- BACKFILLED SOIL AREA
- APPROXIMATE LIMIT OF ROOT BALL

NOTE:
 SAMPLES TREE-TI-3 (0-1') AND TREE-TI-3 (1-3') REPRESENT FOUR POINT COMPOSITES COLLECTED ON AUGUST 25, 2011 FROM THE APPROXIMATE LOCATIONS OF SOIL BORINGS TI-3N, TI-3E, TI-3S, AND TI-3W.

NEW BEDFORD HIGH SCHOOL NEW BEDFORD, MASSACHUSETTS	
TREE TI-3 DELINEATION LOCATION	
	Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600
DRAWN BY: HWB CHECKED BY: JBS	DATE: JAN 2012
FIGURE 5	