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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup
Northeast Regional Office
205B Lowell Street
Wilmington, Massachusetts 01887

Re: Release Abatement Measure (RAM) Status Report No. 1
Construction-Related Remediation Activities
Former Everett Staging Yard
1 Horizon Way, Everett, Massachusetts
Release Tracking Number (RTN) 3-13341

To Whom It May Concern:

GZA has prepared this Release Abatement Measure (RAM) Status Report on behalf of Wynn MA, LLC (Wynn MA) to document construction-related RAM activities completed as of August 5, 2016, at the Former Everett Staging Yard Disposal Site (the "Site") and neighboring properties, which are collectively referred to as the RAM Project Area. The RAM Plan for these activities was prepared by GZA on behalf of Wynn MA and filed with the Massachusetts Department of Environmental Protection (MassDEP) on May 3, 2016. A Site Locus Map is presented as **Figure 1** and the RAM Project Area is shown on **Figure 2**.

This is the first RAM Status Report for construction-related activities at the Site. This RAM Status Report was prepared following guidance contained in Section 40.0445 of the Massachusetts Contingency Plan (310 CMR 40.0000). The original RAM transmittal form (BWSC-106) was electronically signed and submitted online to MassDEP using eDEP concurrent with this submittal. A copy of BWSC-106 is also included as **Appendix A**.

The Site has been designated as a Public Involvement Plan (PIP) Site per Section 40.1404 of the MCP. A Notice of Availability of this RAM Status Report has been emailed to local officials and residents on the PIP mailing list. A copy of this RAM Status Report has also been made available at the designated information repositories, on the Wynn-Everett website, and on eDEP.

EXECUTIVE SUMMARY

As summarized in prior MCP submittals prepared by GZA and others, soil, groundwater, and sediment at the Site have been contaminated by historical industrial site uses. The May 3, 2016 RAM Plan outlines MCP Response Actions that will be completed during construction, including the excavation and off-Site disposal of contaminated soils, the dredging of contaminated sediment, and the placement of clean fill materials at locations within the RAM Project Area.

The majority of activities completed during this performance period were associated with the pre-characterization of soils, coordination with various disposal facilities such that



Remediation Waste was appropriately managed, and the off-Site disposal of soils at appropriately permitted disposal facilities. RAM activities performed at the Site followed a Site-specific Health and Safety Plan (HASP) as outlined in the RAM Plan.

RAM activities performed during this reporting period included:

- Collection and laboratory analyses of approximately 380 delineation soil samples from the former Everett Staging Area and from within the footprint of the proposed building and garage to bound levels of contamination identified during the pre-construction soil characterization. Pre-construction sampling included the collection and analyses of approximately 1,800 soil samples to assess soil management requirements. Pre-construction characterization testing results and associated laboratory data reports were provided in the May 3rd RAM Plan submittal;
- Collection and laboratory analyses of approximately 53 soil samples from the footprint of the proposed Service Road for soil management and disposal characterization purposes;
- Collection and laboratory analyses of approximately 41 soil samples from several proposed utility corridors (e.g. water, electric, drainage) for soil management and disposal characterization purposes;
- Collection and laboratory analyses of 32 soil samples from various soil stockpiles for soil disposal characterization;
- Collection and analyses of slurry wall spoils generated during the installation of slurry wall panels;
- Collection and laboratory analyses of soil samples from stockpiles generated during excavation work for the installation of load bearing element (LBE) foundations;
- Collection of monthly samples to demonstrate compliance with the Remediation General Permit (RGP);
- Continuous perimeter air monitoring via AirLogics stations;
- An asbestos notification and work plan prepared to address the abatement of concrete-encased transite piping encountered on a portion of the Site. The asbestos notification and work plan preparation are being implemented following MassDEP's Asbestos Regulations (310 CMR 7.15) and the Department of Labor Standard's (DLS) asbestos regulations;
- Earthwork activities associated with utility and foundation construction;
- Off-Site disposal of 234 truckloads of soil and slurry wall and LBE spoils, at appropriately permitted In-State and Out-of-State disposal facilities following Bill-of-Lading procedures;
- Preparation of a Utility-Related Abatement Measure (URAM) Plan to address the management of unanticipated soil contamination encountered at an isolated location along the Service Road right of way;
- Maintenance of site erosion controls;
- Treatment of groundwater pumped from excavations, prior to discharge; and
- Removal of miscellaneous materials (concrete obstructions, wood debris, steel, etc.) to off-Site facilities.



INTRODUCTION

A Site Locus Map is presented as **Figure 1**; areas that are subject to this RAM are shown on **Figure 2**; and an Exploration Location Plan is included as **Figure 3**. This RAM Status Report has been prepared in accordance with Section 40.0445 of the MCP, and with the Limitations in **Appendix B**. The Site is the proposed location of a resort being developed by Wynn MA. The RAM Area is comprised of the former Everett Staging Yard and several neighboring properties. These areas are summarized below.

The Former Everett Staging Yard Site is located on the northern bank of the Mystic River in Everett, MA (**Figure 2**). The upland portion of the Site comprises approximately 21.75 acres of land, and the water-side portion comprises approximately 8.44 acres seaward of mean high water (MHW), including part of the Mystic River channel and an embayment in the southeast corner of the property. Different portions of the Project RAM Area are referred to as follows:

- Former Everett Staging Yard Disposal Site which is identified by MassDEP RTN 3-13341;
- Upland Property: the upland portion of the former Everett Staging Yard;
- Water-side Site: The water-side portion of the Disposal Site, where contaminants released from the Upland Property have come to be located in sediment in the Mystic River; and
- Channel: A historically dredged navigational channel within the embayment (bottom contours generally on the order of -16 to -18 feet NAVD88).

The following project activities are included in this area of the RAM:

- Earthwork, construction dewatering, foundation construction, and utility installation for a building with three levels of below ground parking, with a footprint of approximately 500,000 square feet;
- Earthmoving and grading for landscape and open space amenities, including a proposed Harborwalk along the waterfront; and
- Earthwork and dredging to construct significant improvements along the currently structurally and ecologically degraded shoreline, including:
 - Replacement bulkhead comprised of concrete pile-supported deck above a stone slope revetment, along a section of the northwestern embayment shoreline;
 - Replacement steel sheet-pile bulkhead along the northern and eastern embayment shoreline, in lieu of the existing deteriorated timber and stone bulkheads;
 - Waterfront access to the Site via new floating docking facilities to be constructed in the embayment; and
 - A “living shoreline” of restored salt marsh and vegetated coastal bank along the waterfront.

Wynn MA also controls or has negotiated easements on contiguous parcels that will be developed to provide vehicular access to the resort; these properties are referred to as the “neighboring properties” in this RAM. As shown on **Figure 2**, these lots include Parcels 1, 2, and 3 formerly owned by the Massachusetts Bay Transportation Authority (MBTA; 80 Broadway) and additional portions of this property still owned by the MBTA; properties at 20 and 38-50 Broadway; a



portion of the property at 3 Charlton Street that is traversed by the proposed Service Road; the property at 128 Broadway; and the property at 150 Alford Street. The following project activities on these parcels are included in this RAM:

- Construction of the primary Access Driveway to the resort across Parcel 1 and the properties at 20 and 38-50 Broadway and 150 Alford Street; and
- Construction of a Service Road and associated utilities across Parcels 2 and 3 and a portion of the property at 3 Charlton Street, additional portions of the 80 Broadway property, 128 Broadway, and portions of Charlton Street and Broadway.

DESCRIPTION OF RELEASE, SITE CONDITIONS AND SURROUNDING RECEPTORS

The following sections provide a brief description of the RAM Project Area, regulatory history, and release conditions being addressed by the RAM.

FORMER EVERETT STAGING YARD – UPLAND PROPERTY

The Site is located at 1 Horizon Way in Everett, Massachusetts (Figure 1) and lies within the disposal site boundary for RTN 3-13341. The Upland Property is an irregularly shaped parcel of land roughly bounded by Alford Street to the east, MBTA railroad tracks to the west, an MBTA bus repair and maintenance facility to the north, and the Mystic River to the south. The Site includes a peninsula of land that extends southerly into the Mystic River, and most of the small embayment located eastward of the peninsula (Figure 2).

The ground surface at the Site is generally flat with a gentle slope toward the southwest, with ground surface elevations ranging from approximately 8 to 13 feet NAVD88. Subsurface conditions generally consist of fill over a variable sequence of naturally deposited organics, sand and gravel, and silty clay over weathered rock and bedrock. Filling over naturally deposited materials occurred in the area of the Site from the late 1800s through the early 1960s. More recent naturally deposited sediments along the shoreline include sand, silt, and organics. Depth to groundwater ranges from approximately 4 to 10 feet.

Access to the Upland Property is limited by the presence of a chain-link fence with two gates: one gate is in the eastern portion of the Site, along Horizon Way. Security personnel control access to the Site at each of the gates.

The Site is abutted to the northeast by a bus maintenance and repair facility operated by the MBTA; to the southeast by properties along Alford Street, including facilities operated by the Boston Water and Sewer Commission (BWSC) and the Massachusetts Water Resources Authority (MWRA); to the southwest by the Mystic River; and to the northwest by railroad tracks for the MBTA Commuter Rail, beyond which are several large commercial/retail buildings associated with the Gateway Center.

According to a Massachusetts Geographic Information System (MassGIS) map, the Site is not located in or within 500 feet of a Zone II public water supply, potentially productive aquifer, a Zone A surface water body, an Interim Wellhead Protection Area, a protected wetlands habitat, or an Area of Critical Environmental Concern. Protected open space associated with Gateway Park is located approximately 400 feet to the northwest of the Site.

Investigations conducted between 1995 and the present have identified several contaminants in soil, groundwater, and sediments at the Disposal Site, including metals, volatile organic compounds (VOCs), volatile petroleum hydrocarbon (VPH) fractions and target analytes, semi-volatile organic compounds (SVOCs), extractable petroleum hydrocarbon (EPH) fractions and target analytes, and polychlorinated biphenyls (PCBs). The sources of contamination at the Disposal Site



include past industrial operations and the placement of contaminated fill. According to historic reports, the Site was occupied by the Cochran Chemical Company, the Merrimac Chemical Company and the Monsanto Chemical Company from the late 1800s until the late 1960s. The buildings on the land-side portion of the Site were razed in the 1970s. The land-side portion of the Site has been used primarily as a material storage and staging yard since the mid-1990s, when rock and fine-grained sediment ("tunnel muck") from the construction of the Deer Island Outfall was stockpiled on it in a 1- to 7-foot-thick layer. Other than temporary office trailers, there are currently no buildings at the Site.

The 1 Horizon Way property (also referred to as 22 Chemical Lane in MassDEP's Sites Database,) was briefly used as a staging area for concrete-encased utilities excavated from a property in Boston in November 1999. RTN 3-18971 was issued by MassDEP in November 1999 after it was discovered that the concrete-encased materials brought to the Everett location from Boston included transite, an asbestos-containing material (ACM). Asbestos abatement was performed in December 1999 in accordance with a work plan approved by MassDEP, and included the removal and off-property disposal of approximately 20 cubic yards of material. A Class A-1 RAO (Permanent Solution with no restrictions) was filed in January 2000 for this RTN.

Wynn MA acquired the former Everett Staging Yard on January 2, 2015, and on February 5, 2015, Wynn MA filed an Eligible Person Submittal and a Revised Tier II Classification with MassDEP for RTN 3-13341. The Eligible Person Submittal outlined plans to address the three most highly-impacted areas of the Site (A-5, CES-2 and the Low pH Area) as part of a separate RAM, and plans to remove additional contaminated fill materials in concert with Site redevelopment, which is being performed as part of the construction-related RAM. The Pre-Construction RAM Completion Report and Immediate Response Action Completion Report (filed under RTNs 3-13341 and 3-33284), which summarized remediation activities for the three aforementioned areas, was filed on August 4, 2016.

WATER-SIDE SITE

Historic releases of oil and hazardous material (OHM) at the Site have also resulted in impacts to sediments in the Mystic River and embayment (i.e., the Water-Side Site). A Stage II Ecological Risk Characterization prepared by Menzie-Cura in 2006 concluded that the OHM in sediment presented a significant risk of harm to the benthic (bottom dwelling) community. The nature and extent of OHM at the Water-Side Site were further delineated by recent Supplemental Phase II assessment activities conducted by GZA, the results of which were presented in a Supplemental Phase II Comprehensive Site Assessment (CSA) Report dated December 2015.

Based on contaminant concentration distribution within the Water-Side Site sediments, and on statistical comparisons between Water-Side Site data and the Local Conditions samples, GZA identified arsenic, lead and mercury as the main Contaminants of Potential Ecological Concern in sediment associated with the Site, and delineated an area of approximately 8.4 acres as the Water-Side portion of the Disposal Site. Additional MCP Response Actions for the Water-Side portion of the Site are scheduled for 2017, pending the outcome of discussions with MassDEP.

NEIGHBORING PROPERTIES

20 AND 38-50 BROADWAY

These parcels are contiguous, extending from southwest (#20) to northeast (#38-50) along the northwest side of Broadway. The 20 Broadway Street property ("Lot D") is used primarily for vehicle storage. The property at 38-50 Broadway Street is occupied by a convenience store, a Mobil gas station, and Dunkin' Donuts shop. The RAM Plan refers to this property as 38-50 Broadway based on the deed for the parcels. However, this location is referred to in some records as 30 Broadway.



The property at 38-50 Broadway has been operated as a gas station since the mid-1900s; the existing Mobil station was built in the late 1990s. Records indicate that there are three underground storage tanks (USTs) at the property. The USTs include one 14,000-gallon gasoline UST, one 10,000-gallon gasoline UST, and one 6,000-gallon diesel UST. GZA did not observe surficial evidence of USTs (i.e., fill ports, vent pipes, pavement repairs, etc.) on the other parcels.

The MBTA bus maintenance facility is to the northwest; Horizon Way, across which is Lot 2, is to the southwest of 20 Broadway; and various commercial and industrial properties are to the southeast across Broadway and Bow Street. The property to the northeast of 38-50 Broadway is occupied by the Honda Cars of Boston dealership; the portion of that property immediately abutting the 38-50 Broadway property is a fenced, unpaved area used to store vehicles available for sale by the dealership.

No releases have been reported for the 20 Broadway property. It is not a disposal site as defined by the MCP. However, given the known historic filling and urban, industrialized history of the area, soil and groundwater generated during construction activities at this location will be managed as part of this RAM.

MassDEP's Sites database indicates that two releases have been reported for the address of 30 Broadway, aka Parcel F, under RTNs 3-2526 and RTN 3-14553, and that RAO statements without any associated deed restrictions have been filed for both RTNs.

The property at 38-50 Broadway consists of an approximately 29,440-square-foot rectangular parcel of land located north of the intersection of Broadway and Horizon Way in Everett. The property is currently improved with a Dunkin' Donuts restaurant, a gasoline filling station, and a convenience store.

In December 1998, MassDEP issued RTN 3-17760 for 38-40 Broadway for a release associated with a former underground storage tank at the property. The tank was removed, and subsequent response actions included the excavation and off-site disposal of approximately 585 tons of petroleum-contaminated soils. As part of a Class A-3 RAO, an AUL was filed in 2001, amended in 2009, and covers the entire property. Restricted uses for 38-40 Broadway include residential use of the property; use of the property for growing fruits or vegetables intended for consumption; use of the property for a school or day care facility; and any other activity that would result in uncontrolled exposures to soils at the property, unless evaluated and approved by a LSP. The extent of the AUL area is shown on Figure 2.

A second RTN (3-18291) was generated for 38 Broadway during redevelopment activities in late 1998 when the characterization of soils for off-site disposal indicated that concentrations of certain polycyclic aromatic hydrocarbons (PAHs) and lead in stockpiled soils were above MCP Reportable Concentrations. The stockpiled soil was disposed of off-site under the RAM provisions of the MCP. The RTN is currently classified as DEPNFA (No Further Action) by MassDEP.

A third RTN (3-27571) was generated on March 15, 2008, after gasoline was released to the ground surface as a result of a customer overfilling a vehicle gasoline tank. The release was reported to MassDEP, and was remediated using absorbent materials. A Release Notification Retraction was submitted to MassDEP on March 27, 2008.

PARCELS 1, 2 AND 3 (FORMERLY PART OF THE MBTA REPAIR FACILITY AT 80 BROADWAY) AND ADDITIONAL PORTIONS OF 80 BROADWAY

Parcel 1 is a paved lot with a guard station building located in the southeastern portion and a small shed-like building in the southern portion of the property. Metal storage containers in the vicinity of the shed were used to store bus parts. The parcel is abutted by additional paved portions of the MBTA bus maintenance facility to the north and west, by Horizon Way to the southwest, and by the 20 and 38-50 Broadway properties to the northeast.



Parcel 2 consists of a strip of paved land located along the northeastern border of the MBTA property, extending approximately to the 3 Charlton Street property; various commercial properties along Broadway adjoin this parcel to the east.

Parcel 3 consists of a strip of paved land located along the western border of the MBTA property; railroad tracks adjoin this property to the west. An electrical tower is located in the south-central portion of the parcel.

The additional portions of 80 Broadway included in this RAM Plan consist of paved areas contiguous with Parcels 1, 2 and 3.

Several RTNs have been identified for 80 Broadway Street, the address of the MBTA's bus maintenance facility; some cover the property as a whole and some apply only to smaller areas within the property. The following RTNs pertain to portions of the 80 Broadway property within the RAM area.

On November 6, 2003, MassDEP issued RTN 3-23351 following notification of the presence of elevated concentrations of arsenic (35 mg/kg) and PAHs in soil. The source of the elevated PAHs and arsenic was attributed to the presence of coal ash associated with urban fill. OHM concentrations in groundwater were reported to be below reportable concentrations. A Class B-1 RAO (i.e., no restrictions on future activities or uses) was filed for RTN 3-23351 in 2005.

A Utility Related Abatement Measure (URAM) was performed in 2005 for NSTAR Electric & Gas. According to the report, NSTAR constructed a subsurface 115kV electric power transmission line connecting to the above-ground transmission line located on the MBTA property. The line extends from the Mystic Station electric power generating facility along Alford Street and Broadway to Chemical Lane to the MBTA property. Because the MBTA property was a listed MCP site, NSTAR notified MassDEP of the proposed work and MassDEP issued RTN 3-24832 for the subsurface utility work. Approximately 400 tons of soil was generated during the construction work; most of this was re-used as backfill, but approximately 69 cubic yards of soil was transported off-site for use as daily cover material at a Massachusetts landfill. Water generated during construction dewatering was recharged on-site within 100 feet of the excavation.

3 CHARLTON STREET

The property is occupied by a multi-tenant commercial structure consisting of several interconnected buildings that were formerly used for industrial purposes. The 3 Charlton Street property is adjoined by railroad tracks, across which are the Gateway Center and vacant land, to the northwest and north; by Brickyard Lane, across which are a multi-story parking garage and newly constructed condominium buildings, to the northeast and east; and by the MBTA bus repair property to the south. Construction activities associated with this RAM will be implemented at only a portion of this property where the proposed Service Road traverses a portion of the 3 Charlton Street property.

Four RTNs have been issued for 3 Charlton Street (aka 9 Charlton Street).

RTN 3-1850 was issued to the former New England Bolt site on October 28, 1987 due to the presence of elevated concentrations of arsenic and beryllium in site soil. A Class A-3 Response Action Outcome Statement, was submitted to MassDEP on June 9, 2005. An AUL covering the northern portion of the property, filed as part of the RAO for RTN 3-1850, allows all commercial or industrial uses of the property. The AUL prohibits re-location of petroleum-impacted soil to another location on the property without the development and implementation of a Soil Management Plan; prohibits the use of the property as a residence, school, nursery, daycare or recreational facility without an LSP Evaluation Opinion stating that such use is consistent with maintaining a condition of NSR; and prohibits the construction of a new building without the use of a vapor barrier and a passive sub-slab venting system to prevent the migration of VOCs into the building.



RTN 3-19103 was issued on December 21, 1999 due to the detection of the volatile organic compound 1,1-dichloroethylene in the groundwater at a concentration of 17 ug/L. This RTN was closed by linking it to RTN 3-1850 on December 18, 2000.

This RTN 3-24168 was issued on August 20, 2004, due to the detection of reportable concentrations of VOCs, petroleum fractions, and benzo(a)anthracene, a PAH compound, in the soil. The RTN was closed by linking it to RTN 3-1850 on October 13, 2004.

RTN 3-24699 was issued on March 14, 2005, due to the detection of reportable concentrations of petroleum hydrocarbons in soil and groundwater. A Downgradient Property Status (DPS) Opinion relative to this release was submitted to MassDEP on June 9, 2005. The DPS attributed alkane solvents detected in the groundwater to a release at the adjoining former Hub Fabric Facility. The DPS area overlaps portions of the areas of petroleum releases identified on the 3 Charlton Street property.

Response Actions are currently being performed on this property under a separate RAM being tracked by RTN 3-1850.

128 BROADWAY

This property is situated on the northwest side of Broadway and is occupied by a McDonald's Restaurant. The MBTA bus maintenance facility adjoins the property to the northwest; a Honda automobile dealership at 100 Broadway adjoins the property to the southwest; a Public Storage facility at 140 Broadway adjoins the property to the northeast; and mixed commercial and residential properties are located across Broadway to the southeast.

No releases have been reported for the 128 Broadway property, and it is not a disposal site as defined by the MCP. Given the known historic filling and the urban, industrialized history of the area, soil and groundwater generated during construction activities at this location will be managed as part of this RAM.

150 ALFORD STREET

This property is situated on the corner of Horizon Way (formerly known as Chemical Lane) and Alford Street in Boston/Charlestown and is occupied by a partially completed commercial building. The MBTA bus maintenance facility and the property at 20 Broadway are across Horizon Way to the northeast of 150 Alford Street; paved land and a vacant building are to the northwest; a building occupied by the Boston Water and Sewer Commission is to the southwest; and industrial and commercial property is across Alford Street to the southeast. Alford Street becomes Broadway at the Everett city line.

No releases have been reported for the 150 Alford Street property, and it is not a disposal site as defined by the MCP. Given the known historic filling and the urban, industrialized history of the area, soil and groundwater generated during construction activities at this location will be managed as part of this RAM.

RELEASE ABATEMENT MEASURE STATUS REPORT

The following sections of this document are intended to address the specific requirements for RAM Status Reports as outlined in the MCP at 310 CMR 40.0445 (2) (a) through (e).

(a) The Status of Response Actions

Mobilization of equipment and materials to the Site has been ongoing during this RAM performance period.



The AirLogics perimeter air monitoring system has been monitored daily for PM10 particulates. Additional details concerning AirLogics are presented below.

Erosion and sedimentation controls, including staked straw bales and silt fencing, have been maintained along the top of Coastal Bank in accordance with the Wetlands Protection Act (WPA) Order of Conditions. Best Management Practices (BMPs) are also employed in other constructed areas where water is generated.

Materials Management Areas (MMAs) for the temporary storage of excavated soils were installed on the southern peninsula and have BIN designations. This area is also shown on Figure 3.

Multiple obstructions (concrete and timbers) have been removed from areas within the construction footprint of the proposed building and along utility corridors and the Service Road during the performance period. The off-Site disposal of the concrete and timbers is documented in Section (c) below.

As of August 5, 2016, 40 of the proposed 103 slurry wall panels had been installed, and 15 of the proposed 51 LBE foundations had been installed. Pre-excavation to remove obstructions and guide wall construction had occurred at additional panel and LBE locations. Pre-excavated panel and LBE locations were backfilled with flow-fill.

As discussed in Section (b) below, over 200 soil borings and test pits were advanced during this reporting period for soil disposal characterization purposes. In addition, approximately 15 stockpiles of soils, asphalt, concrete and/or timbers were generated and sampled, as necessary, for disposal characterization. As summarized in Section (c), 247 truckloads of impacted soil and/or concrete and timber piles were transported off-Site and disposed of at appropriately permitted facilities.

A URAM was prepared by GZA and submitted to MassDEP on July 19, 2016. The URAM addressed unanticipated soil contamination (trichloroethylene in shallow soil at an isolated location) encountered within the Service Road near 3 Charlton Street. GZA provided notification to MassDEP on July 11, 2016, and RTN 3-33680 was assigned to the release condition.

HEALTH AND SAFETY

Work in the RAM Project Area is being performed by personnel trained to handle contaminated materials per Occupational Safety and Health Administration (OSHA) Regulation 29 CFR 1910.120. The Health and Safety Plan governing GZA's activities at the Site was attached to the RAM Plan.

WATER TREATMENT

Groundwater encountered during construction excavations which required dewatering (e.g., utility excavations) was pumped to the on-Site treatment system where it was treated and discharged. The water is pumped by a duplex centrifugal pump through a multi-bag filter skid with two multi-bag filters plumbed in parallel. The water is then pumped through two liquid carbon vessels (each filled with 4,000 pounds of carbon, plumbed in series) and an 80-cubic foot ion exchange resin vessel. The treated water passes through a storage tank prior to being released into the on-Site water infiltration/recharge area. Residual material (sediment, fines, etc.) as well as treatment media are disposed of off-Site to an appropriately licensed facility as containerized remediation waste. A dewatering sump detail and process flow diagram are included in **Appendix C**.

As described in prior submittals to MassDEP, extracted groundwater is sampled and analyzed after treatment in accordance with the RAM Plan and RGP (see discussion below).



PERIMETER AIR MONITORING

Per the RAM Plan, perimeter dust monitoring is being conducted on a continuous basis. The automated perimeter air monitoring system consists of four individual AirLogics SolarLite monitoring stations with associated analytical instrumentation, a meteorological station, a computer control system, and an alarm system linked to the analytical instrumentation by an integrated communication/telemetry package. The meteorological station is used to identify which stations are upwind, downwind, or crosswind of Site activities on a real-time basis.

The analytical instrumentation within each perimeter station consists of a respirable particulate meter for the measurement of dust as a surrogate for polynuclear aromatic hydrocarbons (PAHs) and metals. The PIDs, along with the Respirable Particulate Meters, are housed in weather-tight enclosures. The system operates on solar power, and is configured with on-board battery backup. Data collected by the AirLogics system is used to evaluate compliance with the Site perimeter limits for dust developed as part of the RAM Plan, and to identify any need to suspend or modify remediation activities as a result of RAM-related air emissions. Weekly summary sheets are included as **Appendix D**.

DUST CONTROL MEASURES

Dust control measures are employed during the performance period to limit dust generation. These measures include covering trucks hauling soil off the RAM Project Area and covering roll-off containers and temporary stockpiles at the end of each day. A truck wheel washing station is located near the construction exit to limit the tracking of materials from the RAM Project Area onto public roadways. Construction entrances and roadways are being swept on an as needed basis and water sprays have been applied on a consistent basis to limit dust generation.

PERMITS

On August 3, 2016, Chapter 91 License #14188 was granted by MassDEP. The Chapter 91 License pertains to Work within filled and flowed tidelands and covers work on land up to the Historic High Water Mark. This License also applies to construction of the casino and associated infrastructure, waterside work including navigational channel dredging, construction of floats, construction of Living Shoreline, and the Harbor Walk.

(b) Any Significant New Site Information or Data

SOIL DATA - SOIL BORINGS, TEST PITS, SAMPLING AND ANALYSES

In addition to the approximately 1,800 soil samples collected and analyzed during pre-construction characterization work, an additional 548 soil samples were collected in the RAM Project Area during the reporting period.

Several phases of soil borings, test pits and soil sampling were performed within the RAM Plan Area for additional soil disposal characterization and/or to delineate the extent of soil contamination detected during a prior phases of explorations (“companion cells”). The soil borings, test pits and sample locations referenced below are shown on **Figure 3**. Laboratory data is summarized on **Tables 1 through 5**. Laboratory data reports will be provided in the next RAM Status Report. Data collection activities are discussed below.

Between early May and August 5, 2016, GZA engaged New England Boring, Inc. (NEB) to execute borings at the Site using a truck-mounted drill rig using either cased (drive and wash with telescoping casing) or hollow-stem auger drilling techniques. Methods employed during drilling were consistent with those used during the pre-construction drilling work.



In addition, the Site earthwork contractor, J. Derenzo Company, provided excavators to advance test pits that were monitored by GZA.

Soils samples collected from the utility corridors, Service Road right-of-way, storage bins, stockpiles, and select locations within the proposed building footprint were analyzed for the following parameters: VOCs, SVOCs (including pyridine), pH, total petroleum hydrocarbons (TPH), polychlorinated biphenyls (PCBs), MCP 14 metals, conductivity, reactivity, herbicides, and pesticides (including toxaphene). The majority of companion cell delineation samples were analyzed for TCLP lead and/or arsenic, pyridine and toxaphene. Analyses were performed by ESS Laboratory (ESS) of Cranston, Rhode Island and Alpha Analytical of Westborough, Massachusetts.

Analytical parameters and sampling frequencies were selected to satisfy acceptance criteria for disposal of materials at Massachusetts lined and unlined landfills (Table 1 parameters in Policy # Comm-97-001), and acceptance criteria identified by out-of-state disposal facilities. All sampling locations were located real-time in the field prior to sample collection by a MA-licensed survey crew or by handheld high-accuracy Trimble global positioning system (GPS) equipment.

Companion Cell Delineation Sampling

Between July 9, 2016 and August 5, 2016, 380 soil samples were collected from soil borings and test pit excavations located within the proposed building footprint as shown on **Figure 3**. These samples were collected to augment the data set generated during the Pre-Construction RAM. The delineation sampling was performed to bound cells, and corresponding depths between cells, where TCLP exceedances of lead and/or arsenic were identified during GZA's pre-construction disposal characterization work. Soils with TCLP exceedances will be treated onsite (stabilization) prior to offsite disposal. The naming convention for samples collected during this work identified the boundary between the two cells (i.e., "companion cells") where the boring or test pit was advanced and the depth intervals the samples were collected from (e.g., A/B 0-3.3 feet). Laboratory testing results for the companion cell delineation samples are summarized on **Tables 1 and 2**.

Service Road and Utility Corridors

From early May through August 4, 2016, 94 soil samples were collected from soil borings and test pits located along the Service Road right of way and various utility corridors as shown on Figure 3. Samples were typically collected from depth intervals ranging from 0 to 5 feet and 5 to 10 feet, depending on the required depth of the excavation during construction. Explorations were sited to provide aerial coverage of proposed excavation areas (vertically and laterally) and to provide the number of samples required for anticipated soil volumes in support of disposal facility acceptance criteria.

Service Road borings were identified by an SR-prefix, while utility corridor borings were identified by a U-suffix. Laboratory testing results for the Service Road and utility corridors samples are summarized in **Table 3 and 4**.

Stockpile Sampling

Seventy-two (72) Stockpile samples were collected from various stockpiles located adjacent to the point of origin or from the materials management bins located on the southern portion of the RAM Project Area. The BIN locations are shown on **Figure 3**. The number of samples collected from each stockpile was dependent on the stockpile volume and the sample frequency required by the various disposal facilities (e.g., 1 sample per 500 CY).

Stockpile samples are identified by the following suffixes: BIN for bin samples; SPSR for stockpiles generated during Service Road excavations (samples collected in addition to pre-characterization borings); SP# for stockpile and number designation. Laboratory testing results for the stockpile samples are summarized in **Tables 5**.



PERIMETER AIR MONITORING DATA

Perimeter dust and VOC monitoring has been performed on a continuous basis during RAM construction activities. The automated perimeter air monitoring system consisted of four individual AirLogics SolarLite monitoring stations with associated analytical instrumentation, a meteorological station, a computer control system, and an alarm system linked to the analytical instrumentation by an integrated communication/telemetry package. The meteorological station was used to identify which stations were upwind, downwind, or crosswind of Site activities on a real-time basis.

The data collected by the AirLogics system is used to evaluate compliance with the Site perimeter limits for total VOCs and dust developed during construction, and to identify any need to suspend or modify activities as a result of air emissions. Air emissions were within perimeter limits during this RAM performance period.

The Air Logics system used at the Site was configured to generate 15-minute time-weighted averages of particulate levels. The system was programmed based on an action level for Respirable Particulate Matter (up to 10 micrometers in size (PM10)) of 1,400 µg/m³ over upwind background along with warning level alarms set at lower thresholds designed to provide project personnel with an advance warning of potential air quality issues.

Weekly air monitoring summary sheets for the week beginning May 16, 2016, through August 1, 2016, are included in **Appendix D**. No action levels were exceeded for PM10 during the monitoring period. Water trucks to control dust generation have been consistently in use at the Site.

RGP SAMPLING AND TESTING RESULTS

As part of the RAM, a National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP) was obtained for the discharge of groundwater generated during dewatering. Influent and effluent samples are obtained at a frequency that complies with the RGP. Effluent testing results were all below permit limits during this performance period. The June 14, June 16, and July 14, 2016 test results are included in **Appendix C**.

ASBESTOS ABATEMENT

During excavation by J. Derenzo Company of subsurface obstructions, several lengths of concrete were removed from a depth of approximately 4 feet along the northwest portion of the Site. Upon closer observation the concrete was found to contain imbedded fiber asbestos pipes (transite). The concrete was subsequently placed on and covered by two layers of 6-mil polyethylene sheeting and NewRoads Environmental (NewRoads), a Massachusetts Licensed Asbestos Contractor (AC000822), was contracted by J. Derenzo Company to secure the area.

In accordance with MassDEP notification requirements contained in 310 CMR 7.15 and Department of Labor Standards (DLS) notification requirements contained in 453 CMR 6.12, the online Asbestos Notification Form ANF-001 was filed on July 15, 2016. Following the required 10-day notification, NewRoads initiated asbestos abatement activities and off-Site disposal of encountered transite piping.

(c) Details of and/or Plans for the Management of Remediation Waste, Remedial Wastewater and/or Remedial Additives

The following sections present plans for the management of remediation waste, remedial wastewater and remedial additives.



REMEDIATION WASTE

Between June 29 and August 4, 2016, 234 truckloads, or approximately 7,020 tons, of impacted materials (soils and slurry spoils) were removed from the Site and transported to either the BFI Fall River Landfill (195 truckloads) or the Turnkey Landfill Management Facility (Turnkey) in Rochester, New Hampshire (39 truckloads). Materials were transported under Bills-of-Lading (BOLs), which will be provided to MassDEP in the next RAM Status Report. Remediation Waste is tracked under the primary RTN for this project (RTN 3-13341 - former Everett Staging Yard Site). Although not considered a remediation waste, an additional 33 truckloads of concrete (not contaminated) and timbers were sent to Northgate Recycling Facility in Revere, Massachusetts (concrete) and ARC in Eliot, Maine (timbers).

GROUNDWATER MANAGEMENT

As described above, groundwater generated during construction dewatering has been treated by the onsite treatment system. Effluent from the treatment system is sampled monthly to comply with RGP requirements. As shown by the data included in **Appendix C**, detected concentrations in treated effluent discharged to the recharge area were below the Method 1 GW-3 Standards.

Treated effluent is discharged to the cove on the southern portion of the Site. A dewatering sump detail and process flow diagram are included in **Appendix C**.

(d) Any other information that the Department during its review and evaluation of a Status Report determines to be necessary to complete said Status Report, in view of Site specific circumstances and conditions

No other specific information has been requested by the MassDEP.

(e) An LSP Opinion as to whether the Release Abatement Measure is being conducted in conformance with the Release Abatement Measure Plan and any conditions of approval established by the Department

The LSP Opinion concerning whether the RAM is being conducted in conformance with the RAM Plan is included on the Transmittal Form (BWSC106) attached to this RAM Status Report as **Appendix A**. It is the LSP's Opinion that this RAM is being conducted in conformance with the May 3, 2016, RAM Plan.

The second RAM Status Report will be submitted to MassDEP by February 28, 2017.

We trust this information satisfies your requirements. Should you have questions, please feel free to contact the undersigned.

Sincerely,
GZA GEOENVIRONMENTAL, INC.


Neal Carey, LSP
Senior Manager


Lawrence Feldman, LSP
Senior Principal


Matthew M. Smith, LSP
Consultant Reviewer



Attachments:

Table 1	Companion Cell Delineation Samples Testing Results (ESS)
Table 2	Companion Cell Delineation Samples Testing Results (Alpha)
Table 3	Service Road Pre-Characterization Testing Results
Table 4	Utility Corridors Pre-Characterization Testing Results
Table 5	BIN and Stockpiles Disposal Characterization Testing Results
Figure 1	Site Locus
Figure 2	RAM Project Area
Figure 3	Exploration Location Plan
Appendix A	Transmittal Form BWSC106
Appendix B	Limitations
Appendix C	Dewatering Documentation
Appendix D	AirLogics Weekly Reports



TABLES

TABLE 1
COMPANION CELL DELINEATION SAMPLES TESTING RESULTS (ESS)
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	A03/B03 3.3-6.6 1607383-01 7/14/2016 1607383	A04-5/B4-5 0-3.3 1607383-16 7/14/2016 1607383	A06-7/B6-7 0-6.6 1607383-09 7/14/2016 1607383	B02/B03 3.3-6.6 1607383-04 7/14/2016 1607383	B03/C03 0-6.6 1607383-02 7/14/2016 1607383	B10/B11 0-4.5 1607245-21 07/11/2016 1607245	B10/C10 0-4.5 1607245-14 07/11/2016 1607245	B11/B12 8-11.8 1607245-17 07/11/2016 1607245	B13/B14 3.3-7.0 1607417-11 7/18/2016 1607417	B14/B15 6_10 1607384-08 7/15/2016 1607384	B18/C18 6.6-10 1607211-11 07/09/2016 1607211	B23/C23 3.3-6.6 1607383-10 7/14/2016 1607383	C04/D04 3.3-6.6 1607383-07 7/14/2016 1607383	C05/B05 0-3.3 1607383-14 7/14/2016 1607383	C06/C07 3.3-6.6 1607417-08 7/18/2016 1607417
RCRA 8 Metals																	
Arsenic	484	mg/kg	--	--	--	--	--	--	--	--	--	--	-	--	--	--	--
Lead	41500	mg/kg	1160	1900	2230	628	627	4060	3720	472	29700	27400	3320	265	2370	4730	133
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																	
Arsenic	1.06	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	345	mg/L	0.188	<5	15	1.38	0.979	11.5	43.2	<0.05	217	345	9.79	<5	10.9	37	<5
Pesticides																	
Toxaphene	6.72	mg/kg	<6.72	<5.47	<6.12	<6.54	<5.36	<3.88	<3.58	<3.94	<6.36	<5.49	<0.350	<5.67	<5.78	<5.79	<6.45
Semi-Volatile Organic Compounds (SVOCs)																	
Pyridine	115	mg/kg	<69.4	<62.7	<63.8	<65.7	<53.2	<51	<48.3	<52.5	<63	<58.7	<45.3	<50.9	<52.4	<62.5	<66.9
Polychlorinated Biphenyls (PCBs)																	
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
COMPANION CELL DELINEATION SAMPLES TESTING RESULTS (ESS)
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	C07-1/B07 3.3-6.6 1607417-03 7/18/2016 1607417	C07-3/D07 3.3-6.6 1607417-02 7/18/2016 1607417	C09/C10 6.6-10 1607245-13 07/11/2016 1607245	C10/C11 0-4.5 1607211-13 07/09/2016 1607211	C13/C14 3.3-6.6 1607211-02 07/09/2016 1607211	C14/C15 13.3-16 1607211-12 07/09/2016 1607211	C15/C16 13.3-16.6 1607211-06 07/09/2016 1607211	C16/C17 6.6-10 1607211-04 07/09/2016 1607211	C16/C17 6.6-10.0 1607383-11 7/14/2016 1607383	C17/D17 6.6-10 1607211-07 07/09/2016 1607211	C25-26/D25-26 3.3-6.6 1607417-13 7/18/2016 1607417	D05/D06 0-3.3 1607383-13 7/14/2016 1607383	D08/E08 0-3 1607211-14 07/09/2016 1607211	D10/D11 3.3-6.6 1607417-04 7/18/2016 1607417	D14/E14 0-13 1607211-10 07/09/2016 1607211
RCRA 8 Metals																	
Arsenic	484	mg/kg	--	--	--	-	-	-	-	-	--	12.7	--	--	-	--	-
Lead	41500	mg/kg	175	302	4140	1890	3940	91.2	151	411	273	722	3480	2920	46.6	245	437
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																	
Arsenic	1.06	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	345	mg/L	<5	<5	39.6	18.8	2.36	-	0.501	2.37	<5	0.261	10.6	56.2	-	31.3	1.02
Pesticides																	
Toxaphene	6.72	mg/kg	<6.17	<5.83	<3.59	<0.319	<0.333	<0.423	<0.414	<0.324	<5.56	<3.94	<5.46	<5.8	<0.327	<5.6	<3.35
Semi-Volatile Organic Compounds (SVOCs)																	
Pyridine	115	mg/kg	<56.4	<53.9	<45.6	<47.2	<43.0	<63.6	<55.7	<44.8	<47.2	<54.7	<115	<55.5	<39.1	<51	<44.2
Polychlorinated Biphenyls (PCBs)																	
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
COMPANION CELL DELINEATION SAMPLES TESTING RESULTS (ESS)
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	E04/E05 0-3.3 1607383-05 7/14/2016 1607383	E05/E06 0-3.3 1607383-08 7/14/2016 1607383	E10/F10 10-13.3 1607417-12 7/18/2016 1607417	E11/D11 3.3-6.6 1607344-04 7/13/2016 1607344	E11/E12 6_16 1607344-03 7/13/2016 1607344	E11/E12 3.3-13.0 1607344-05 7/13/2016 1607344	E12/E13 0-10 1607211-03 07/09/2016 1607211	E12/E13 10-13.0 1607211-08 07/09/2016 1607211	E12/F12 3.3-6.6 1607344-02 7/13/2016 1607344	E14/E15 10.0-18 1607211-09 07/09/2016 1607211	E17/E18 24-26 1607384-07 7/15/2016 1607384	F09/F10 10-13.3 1607417-09 7/18/2016 1607417	F10/F11 10-13.3 1607417-14 7/18/2016 1607417	F14/F15 6.6-11 1607245-15 07/11/2016 1607245	F14/G14 6.6-10 1607245-11 07/11/2016 1607245
RCRA 8 Metals																	
Arsenic	484	mg/kg	--	--	--	--	--	--	-	-	--	-	7.8	--	--	--	--
Lead	41500	mg/kg	485	69.2	16.2	976	--	795	3340	5840	1800	164	29.8	2540	20800	2730	3180
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																	
Arsenic	1.06	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	345	mg/L	0.712	-	-	2.08	--	2.5	16	18.2	1.22	0.378	--	<5	119	28.5	28.4
Pesticides																	
Toxaphene	6.72	mg/kg	<4.94	<5.95	<5.57	<5.61	--	<5.6	<3.36	<0.336	<6.56	<0.376	<5.61	<5.7	<5.39	<3.73	<4.06
Semi-Volatile Organic Compounds (SVOCs)																	
Pyridine	115	mg/kg	<53.7	<57.2	<54.4	<52.2	--	<55.9	<39.8	<44.0	<67.1	<49.4	<61.8	<57.6	<61.1	<47.5	<50.3
Polychlorinated Biphenyls (PCBs)																	
Aroclor 1016	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	<0.166	--	--	--	--	--	--	--	--	--	--

TABLE 1
COMPANION CELL DELINEATION SAMPLES TESTING RESULTS (ESS)
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	F16/E16 10-13.0 1607245-12 07/11/2016 1607245	F16/F15 5-11 1607245-16 07/11/2016 1607245	F17/E17 24-26 1607384-05 7/15/2016 1607384	G07/H08 6.6-10.0 1607441-07 7/19/2016 1607441	G08/G09 3.3-10.0 1607441-02 7/19/2016 1607441	G08/H08 6.6-10.0 1607441-01 7/19/2016 1607441	G11/G10 8-10.0 1607417-01 7/18/2016 1607417	G11/H11 7-10.0 1607417-06 7/18/2016 1607417	G13/G14 6.6-10 1607245-19 07/11/2016 1607245	G13/H13 3.3-6.6 1607245-18 07/11/2016 1607245	G15/H15 10_13 1607276-20 7/12/2016 1607276	G16/G17 10-13.3 1607245-22 07/11/2016 1607245	H07/H08 6.6-10.0 1607441-09 7/19/2016 1607441	H08/H09 6.6-10 1607276-21 7/12/2016 1607276	H09/H10 0-6.6 1607276-03 7/12/2016 1607276
RCRA 8 Metals																	
Arsenic	484	mg/kg	--	--	484	--	--	--	--	--	--	--	--	--	--	--	--
Lead	41500	mg/kg	23.6	1230	1460	14.1	1400	653	12200	41500	2610	107	103	817	11.2	1590	4450
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																	
Arsenic	1.06	mg/L	--	--	1.06	--	--	--	--	--	--	--	--	--	--	--	--
Lead	345	mg/L	-	8.44	6.1	--	0.676	0.546	108	263	7.35	0.144	0.537	0.149	--	2.2	2.96
Pesticides																	
Toxaphene	6.72	mg/kg	<3.91	<3.95	<6.68	<5.65	<6.22	<5.72	<5.73	<6.11	<3.75	<3.35	<5.78	<4.05	<5.81	<5.72	<5.78
Semi-Volatile Organic Compounds (SVOCs)																	
Pyridine	115	mg/kg	<48.2	<46.7	<70.3	<59	<64.8	<57.4	<49.2	<60.2	<96.4	<42.6	<45	<54.4	<60.5	<54.8	<54.9
Polychlorinated Biphenyls (PCBs)																	
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
COMPANION CELL DELINEATION SAMPLES TESTING RESULTS (ESS)
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	H13/H14 0-6.6 1607276-10 7/12/2016 1607276	H14/G14 6.6-10 1607276-06 7/12/2016 1607276	I08/H08 6.6-10 1607344-06 7/13/2016 1607344	I10/J10 6.6-12 1607276-05 7/12/2016 1607276	I13/H13 3.3-6.6 1607245-06 07/11/2016 1607245	I13/I12 7-10.0 1607245-10 07/11/2016 1607245	I15/J15 10.0-11.0 1607245-02 07/11/2016 1607245	I17/J17 6.6-10 1607383-06 7/14/2016 1607383	J10/J11 6.6-10 1607276-09 7/12/2016 1607276	J11/K11 6.6-10 1607276-04 7/12/2016 1607276	J13/J12 10_12 1607276-13 7/12/2016 1607276	J16/J17 6.6-10 1607245-08 07/11/2016 1607245	J16/K16 10.-13.0 1607245-04 07/11/2016 1607245	J17/J18 6.6-10.0 1607441-08 7/19/2016 1607441	K11/L11 0-3.3 1607276-08 7/12/2016 1607276
RCRA 8 Metals																	
Arsenic	484	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	41500	mg/kg	588	653	378	800	686	107	1000	582	52.7	1470	1460	487	37.9	26200	7330
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																	
Arsenic	1.06	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	345	mg/L	0.713	9.85	1.6	2.29	10.5	0.492	75.1	0.377	--	8.99	<0.05	2.15	-	273	31.4
Pesticides																	
Toxaphene	6.72	mg/kg	<5.37	<5.65	<5.11	<6.2	<3.61	<3.44	<3.71	<5.51	<7.25	<5.78	<5.94	<3.43	<5.79	<5.44	<5.51
Semi-Volatile Organic Compounds (SVOCs)																	
Pyridine	115	mg/kg	<42.9	<45.4	<191	<53	<46.1	<45.4	<45.6	<51.5	<62.3	<48.4	<48.9	<39.9	<72.6	<59.6	<48.6
Polychlorinated Biphenyls (PCBs)																	
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
COMPANION CELL DELINEATION SAMPLES TESTING RESULTS (ESS)
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	K12/J12 10-12.0 1607383-12 7/14/2016 1607383	K14/K15 10_13 1607276-19 7/12/2016 1607276	K17/J17 6.6-10 1607245-05 07/11/2016 1607245	K18-19/L18-19 3.3-6.0 1607441-05 7/19/2016 1607441	L14/L15 6.6-11 1607276-18 7/12/2016 1607276	L15/L16 6.6-11 1607276-16 7/12/2016 1607276	L17/L18 3.3-6.6 1607245-07 07/11/2016 1607245	M09/L09 6.6-10 1607441-03 7/19/2016 1607441	M14/M15 3.3-6.6 1607276-14 7/12/2016 1607276	M16/M15 3.3-6.6 1607276-12 7/12/2016 1607276
RCRA 8 Metals												
Arsenic	484	mg/kg	--	--	--	--	--	--	--	--	--	--
Lead	41500	mg/kg	15.7	17900	2480	199	77.9	36.8	314	407	144	919
Metals by Toxicity Characteristic Leaching Procedure (TCLP)												
Arsenic	1.06	mg/L	--	--	--	--	--	--	--	--	--	--
Lead	345	mg/L	-	7.67	25	0.2	--	--	0.265	<0.05	0.65	0.055
Pesticides												
Toxaphene	6.72	mg/kg	<5.5	<5.43	<3.82	<4.83	<5.01	<5.81	<3.37	<6.13	<5.22	<5.5
Semi-Volatile Organic Compounds (SVOCs)												
Pyridine	115	mg/kg	<49.2	<47.2	<74.5	<54.9	<40.2	<49.5	<42.8	<64	<43.9	<58.1
Polychlorinated Biphenyls (PCBs)												
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	A07/B07 3.3-6 L1623627-09 7/28/2016 L1623627	A07/B07 0-3.3 L1623627-13 7/28/2016 L1623627	B08/7AB 3.3-6.6 L1623627-28 7/26/2016 L1623627	B08/7AB 0-3.3 L1623627-31 7/28/2016 L1623627	B09/B08-S1 0-3 L1623123-06 7/25/2016 L1623182	B09/B08-S2 3.3-6.6 L1623123-02 7/25/2016 L1623182	B09/B08-S3 6.6-10 L1623123-05 7/25/2016 L1623182	B09/B08-S4 10-12.0 L1623123-03 7/25/2016 L1623182	B09/B10-S3 10-12.0 L1623123-07 7/25/2016 L1623182	B09/C09-S1 6.6-10 L1623123-10 7/25/2016 L1623182	B09/C09-S2 10-12.0 L1623182-1 7/25/2016 L1623182	B10/B9-S1 0-4.5 L1623123-08 7/25/2016 L1623182	B10/B9-S2 6.6-10 L1623123-09 7/25/2016 L1623182	B12/B13 8-11.8 L1623512-06 7/27/2016 L1623512	B12/B13 3.3-7 L1623512-42 7/27/2016 L1623512	B12/C12 8-11.8 L1623512-14 7/27/2016 L1623512	B12/C12 4-6.6 L1623512-41 7/27/2016 L1623512	B14/B13 3.3-7 L1622659-01 7/28/2016 L1622659	B15/C15 13-16 L1623299-11 7/26/2016 L1623299	B15/C15 6.0-10 L1623299-13 7/26/2016 L1623299	B15/C15 16-18 L1623299-14 7/26/2016 L1623299	B15/C15 10-13.0 L1623299-17 7/26/2016 L1623299	B15/C15 4-6.0 L1623299-19 7/26/2016 L1623299	
RCRA 8 Metals																										
Arsenic	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	68	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	68	--	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																										
Arsenic	0	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	210	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	45	9.3	<0.5	6.1	20	20	11	2.8	67	<0.5	<0.5	--	--	--	--	--	--	--
Pesticides																										
Toxaphene	0	mg/kg	<0.192	<0.183	<0.173	<0.78	<0.157	<0.166	<0.169	<0.175	<0.162	<0.182	<0.174	<0.161	<0.184	<0.167	<0.162	<0.172	<0.17	<0.197	<0.185	<0.188	<0.195	<0.188	<0.17	
Semi-Volatile Organic Compounds (SVOCs)																										
Pyridine	0	mg/kg	<0.88	<0.82	--	--	<1.4	<1.6	<0.79	<0.8	<0.75	<0.81	<0.81	<0.73	<0.84	<0.760	<3.600	<0.770	<0.770	<0.09	<0.85	<0.84	<0.88	<0.86	<0.75	
Polychlorinated Biphenyls (PCBs)																										
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	B15/C15 24-26 L1623512-03 7/27/2016 L1623512	B15/C15 29-31 L1623512-07 7/27/2016 L1623512	B15/C15 34-36 L1623512-08 7/27/2016 L1623512	B15/C15 26-29 L1623512-12 7/27/2016 L1623512	B16/B15 3.3-6.6 L1623876-01 7/29/2016 L1623876	B16/B15 6.6-10 L1623876-02 7/29/2016 L1623876	B16/B15 10-13.3 L1623876-03 7/29/2016 L1623876	B16/B15 13.3-16.6 L1623876-04 7/29/2016 L1623876	B16/B15 16.6-18 L1623876-05 7/29/2016 L1623876	B16/B15 24-26 L1623876-06 7/29/2016 L1623876	B16/B15 28-30 L1623876-07 7/29/2016 L1623876	B16/B15 34-36 L1623876-08 7/29/2016 L1623876	B16/B17 3.3-6.6 L1623299-06 7/26/2016 L1623299	B16/C16 6.6-10 L1623627-24 7/28/2016 L1623627	B16/C16 19-21 L1623627-29 7/28/2016 L1623627	C08/D08 3.3-6.6 L1623512-18 7/27/2016 L1623512	C08/D08 0-3.3 L1623512-36 7/27/2016 L1623512	C09/C08 8-10.0 L1623512-37 7/27/2016 L1623512	C09/D09 12-16.0 L1623512-25 7/27/2016 L1623512	C09/D09 16-18 L1623512-29 7/27/2016 L1623512	C09/D09 6.6-10 L1623512-34 7/27/2016 L1623512	C12/D12 4-6.6 L1623512-01 7/27/2016 L1623512	C12/D12 6.6-8.3 L1623512-02 7/27/2016 L1623512	
RCRA 8 Metals																										
Arsenic	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	68	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																										
Arsenic	0	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	210	mg/L	25	23	11	34	--	--	--	--	--	--	--	--	--	8.5	13	56	1.6	27	<0.5	<0.5	<0.5	91	<0.5	
Pesticides																										
Toxaphene	0	mg/kg	<0.18	<0.174	<0.176	<0.183	<0.168	<0.185	<0.224	<0.216	<0.179	<0.181	<0.179	<0.172	<0.174	<0.9	<0.18	<0.175	<0.163	<0.192	<0.193	<0.184	<0.189	<0.168	<0.157	
Semi-Volatile Organic Compounds (SVOCs)																										
Pyridine	0	mg/kg	<0.800	<0.790	<0.820	<0.820	<0.75	<0.84	<0.99	<0.96	<0.81	<0.81	<0.8	<0.76	<1.6	<0.82	--	<0.800	<3.600	<0.850	<0.870	<0.820	<0.840	<0.770	<0.730	
Polychlorinated Biphenyls (PCBs)																										
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	C13/D13 6.6-10 L1623512-04 7/27/2016 L1623512	C13/D13 3.3-6.6 L1623512-13 7/27/2016 L1623512	C15/D15 6.6-10 L1623876-09 7/29/2016 L1623876	C15/D15 10-13.3 L1623876-10 7/29/2016 L1623876	D07/E07 0-3.3 L1623876-11 7/30/2016 L1623876	D07/E07 3.3-6.6 L1623876-12 7/30/2016 L1623876	D07/E07 6.6-10 L1623876-13 7/30/2016 L1623876	D08/D07 6.6-8 L1623627-18 7/28/2016 L1623627	D08/C07 S1 L1623633-17 7/28/2016 L1623633	D08/C07 S3 L1623633-22 7/28/2016 L1623633	D08/C07 S2 L1623633-15 7/28/2016 L1623633	D08/D07 0-3.3 L1623627-20 7/28/2016 L1623627	D08/D07 6.6-10 L1623627-25 7/28/2016 L1623627	D09/D08 16-18 L1623512-10 7/27/2016 L1623512	D09/D08 6.6-8 L1623512-11 7/27/2016 L1623512	D09/D08 12-16.0 L1623512-26 7/27/2016 L1623512	D09/D08 3.3-6.6 L1623512-30 7/27/2016 L1623512	D09/D08 0-3.3 L1623512-33 7/27/2016 L1623512	D11/D12 3.3-6.6 L1623299-07 7/26/2016 L1623299	D11/D12 6.6-8.3 L1623299-28 7/26/2016 L1623299	D11-1 3.3-6.6 L1622659-02 7/28/2016 L1622659	D11-2 6.6-8.3 L1622659-03 7/28/2016 L1622659	D12/E12 10-13.0 L1623299-09 7/26/2016 L1623299
RCRA 8 Metals																									
Arsenic	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Lead	68	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	<0.5	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																									
Arsenic	0	mg/L	--	--						--				--	--	--	--	--	--	--	--	--	--	--	--
Lead	210	mg/L	<0.5	210	<0.5	28	--	--		0.52				11	6.2	<0.5	22	<0.5	3.8	<0.5	--	--	--	--	--
Pesticides																									
Toxaphene	0	mg/kg	<0.17	<0.172	<0.204	<0.174	<0.176	<0.190	<0.179	--	<0.181	<0.196	<0.203	<0.175	<0.178	<0.19	<0.17	<0.193	<0.158	<0.156	<0.178	<0.177	<0.179	<0.203	<0.173
Semi-Volatile Organic Compounds (SVOCs)																									
Pyridine	0	mg/kg	<0.780	<1.500	<0.9	<0.78	<0.79	<0.86	<0.79	<0.8	<0.82	<0.89	<0.92	<1.2	--	<0.830	<0.780	<0.880	<0.720	<1.400	<0.81	<0.81	<0.83	<0.91	<0.79
Polychlorinated Biphenyls (PCBs)																									
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0	mg/kg	--	--	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	D12/E12 3.3-6.6 L1623299-26 7/26/2016 L1623299	D12/E12 8.3-10 L1623299-27 7/26/2016 L1623299	D13/D12-S1 3.3-6.6 L1623123-04 7/25/2016 L1623123	D13/D12-S2 8.3-10 L1623123-11 7/25/2016 L1623123	D14/C14 3.3-6.6 L1623627-32 7/28/2016 L1623627	D14/C14 6.6-10 L1623627-43 7/28/2016 L1623627	D14/C14 10-13.3 L1623627-45 7/28/2016 L1623627	D14/C14 6.6-10 L1623627-46 7/28/2016 L1623627	D14/D13 10-13.0 L1623299-08 7/26/2016 L1623299	D14/D15 13.3-15 L1623299-04 7/26/2016 L1623299	D14/D15 3.3-6.6 L1623299-20 7/26/2016 L1623299	D14/E14 10-13.3 L1623627-10 7/28/2016 L1623627	D14/E14 6.6-10 L1623627-12 7/28/2016 L1623627	D14/E14 3.3-6.6 L1623627-22 7/28/2016 L1623627	D15/D16 3.3-6.6 L1623299-01 7/26/2016 L1623299	D15/D16 15-18 L1623299-16 7/26/2016 L1623299	D15/E15 16.6-18 L1623512-09 7/27/2016 L1623512	D15/E15 13-15 L1623512-24 7/27/2016 L1623512	D16/D17 13.3-16.6 L1623627-11 7/28/2016 L1623627	D16/D17 13-18 L1623627-15 7/28/2016 L1623627	D16/D17 6.6-10 L1623627-17 7/28/2016 L1623627	D16/D17 3.3-6.6 L1623627-21 7/28/2016 L1623627	D16/D17 16.6-18 L1623627-44 7/28/2016 L1623627	
RCRA 8 Metals																										
Arsenic	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	68	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																										
Arsenic	0	mg/L			--	--	--		--	--				--	--	--		--	--	--	--	--	--	--	--	--
Lead	210	mg/L	--	--	3.2	12	<0.5	41	8.7	41	--	--	--	47	47	<0.5	--	--	<0.5	<0.5	<0.5	0.58	59	<0.5	<0.5	<0.5
Pesticides																										
Toxaphene	0	mg/kg	<0.177	<0.185	<0.162	<0.163	--	<0.195	<1.89	<0.156	<0.201	<0.191	<0.163	<1.94	<0.194	<0.154	<0.157	<0.192	<0.182	<0.174	<0.203	<2.33	<2.76	<0.176	<0.205	
Semi-Volatile Organic Compounds (SVOCs)																										
Pyridine	0	mg/kg	<0.79	<0.82	<0.74	<0.75	<0.87		<1.7	<0.71	<0.9	<0.85	<0.74	<0.88	<0.86	<0.69	<0.720	<0.87	<0.800	<0.760	<0.88	<1	<12	<0.79	<0.9	
Polychlorinated Biphenyls (PCBs)																										
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	D16/E16 10-13.3 L1623299-18 7/26/2016 L1623299	D16/E16 3.3-12 L1623288-02 7/26/2016 L1623299	D16/E16 13-18 L1623299-02 7/26/2016 L1623299	D16/E16 16.6-18 L1623299-15 7/26/2016 L1623299	D8/D7 6.6-8 L1623627-04 7/28/2016 L1623627	D8/D7 0-3.3 L1623627-05 7/28/2016 L1623627	E11 S2 L1623633-40 7/28/2016 L1623633	E11 S3 L1623633-25 7/28/2016 L1623633	E11 S4 L1623633-24 7/28/2016 L1623633	E11/E12 10-13.3 6.6-10 L1623627-01 7/28/2016 L1623627	E11/E12 6.6-10 L1623627-02 7/28/2016 L1623627	E11/E12 3.3-6.6 L1623627-03 7/28/2016 L1623627	E15/E16 16.6-18 L1623512-17 7/27/2016 L1623512	E17/E16 24-26 3299-05/L162444 7/26/2016 L1623299/L162444	E17/E16 10-13.0 L1623299-12 7/26/2016 L1623299	F10/G10 8-10.0 L1623512-20 7/27/2016 L1623512	F10/G10 10-13.0 L1623512-23 7/27/2016 L1623512	F15/G15 10-13.0 L1623512-05 7/27/2016 L1623512	F15/G15 5-6.6 L1623512-15 7/27/2016 L1623512	F15/G15 6.6-10 L1623512-43 7/27/2016 L1623512	G09/G10 3.3-6.6 L1623512-19 7/27/2016 L1623512	G09/G10 8-10.0 L1623512-21 7/27/2016 L1623512	G09/G10 6.6-8 L1623512-22 7/27/2016 L1623512	
RCRA 8 Metals																										
Arsenic	0	mg/kg	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	68	mg/kg	--	--	--	--	--	--				--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																										
Arsenic	0	mg/L					--	--	<0.179	<0.182	<0.174	--	--	--	--	<1		--	--	--	--	--	--	--	--	--
Lead	210	mg/L	--	--	--	--	4.7	33				<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	35	<0.5	1.7	99	2.7	1	
Pesticides																										
Toxaphene	0	mg/kg	<0.208	<0.192	<0.192	<0.208	--	--	<0.179	<0.182	<0.174	--	--	--	<0.18	<0.206	<0.199	<0.182	<0.186	<0.192	<0.158	<0.171	<0.166	<0.174	<0.194	
Semi-Volatile Organic Compounds (SVOCs)																										
Pyridine	0	mg/kg	<0.92	<0.88	<0.880	<0.92	--	--	<0.8	<0.81	<0.79	--	--	--	<0.81	<0.95	<1.8	<0.82	<0.85	<0.89	<0.7	<0.75	<1.5	<0.78	<0.84	
Polychlorinated Biphenyls (PCBs)																										
Aroclor 1016	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0	mg/kg	--	--	--	--	--	--				<38.4	<40.5	<40.4	--	--	--	--	--	--	--	--	--	--	--	--

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	G09/G10 12-12.0 L1623512-27 7/27/2016 L1623512	G15/G14 10-13.3 L1623512-39 7/27/2016 L1623512	G15/G14 6.6-10 L1623512-40 7/27/2016 L1623512	G17/G18 10-13.3 L1623299-03 7/27/2016 L1623299	H09/G10 3.3-6.6 8-10.0 L1623627-16 7/28/2016 L1623627	H10/G10 8-10.0 L1623627-42 7/28/2016 L1623627	H10/H11 3.3-6.6 7-10.0 L1623627-19 7/28/2016 L1623627	H10/H11 7-10.0 L1623627-23 7/28/2016 L1623627	H10/I10 6.6-10 L1623299-21 7/26/2016 L1623299	H10/I10 3.3-6.6 10-12.0 L1623299-24 7/26/2016 L1623299	H10/I10 10-12.0 L1623299-25 7/26/2016 L1623299	H11/H12 10-12.0 L1623627-26 7/28/2016 L1623627	H12/G12 6.6-10 L1623627-14 7/28/2016 L1623627	H12/G12 10-12.0 L1623627-33 7/28/2016 L1623627	H12/H13 10-12.0 L1623299-10 7/26/2016 L1623299	H12/H13 3.3-6.6 L1623299-22 7/26/2016 L1623299	H12/H13 6.6-10 L1623299-23 7/26/2016 L1623299	I11/I10 10-12.0 L1623512-16 7/27/2016 L1623512	I14/I14 13-16 L1623627-37 7/28/2016 L1623627	I14/I14 10-13.0 L1623627-38 7/28/2016 L1623627	I14/I14 13-16 L1623627-40 7/28/2016 L1623627	J12/I11 10-12.0 L1623627-27 7/28/2016 L1623627	J12/I11 10-12.0 L1623627-30 7/28/2016 L1623627	
RCRA 8 Metals																										
Arsenic	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	68	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																										
Arsenic	0	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	210	mg/L	2	0.78	<0.5	1.9	<0.5	61	0.52	120	--	--	--	5.4	<0.5	1.1	--	--	--	--	<0.5	7.5	<0.5	1.5	16	16
Pesticides																										
Toxaphene	0	mg/kg	<0.171	<0.296	<0.183	<0.236	<0.159	<0.175	<0.163	--	<0.171	<0.159	<0.175	<0.202	<0.16	<0.172	<0.175	<0.152	<0.217	<0.202	<0.241	<0.179	<0.172	--	<0.99	
Semi-Volatile Organic Compounds (SVOCs)																										
Pyridine	0	mg/kg	<0.77	<1.3	<0.82	<2.1	<0.73	<0.8	<0.72	<0.9	<0.8	<0.7	<0.78	<0.74	<0.72	<0.77	<0.78	<0.71	<2	<0.89	<1.1	--	<0.77	--	--	
Polychlorinated Biphenyls (PCBs)																										
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	J12/J11 6.6-10 L1623627-39 7/28/2016 L1623627	J15/J14 13-61 L1623627-06 7/28/2016 L1623627	J15/J14 11-13.0 L1623627-07 7/28/2016 L1623627	J15/J14 10-11.0 L1623627-08 7/28/2016 L1623627	J15/K15 10-11.0 L1623876-14 7/30/2016 L1623876	J15/K15 11-13.0 L1623876-15 7/30/2016 L1623876	K15/L15 6.6-10 L1623512-28 7/27/2016 L1623512	K15/L15 10-13.3 L1623512-31 7/27/2016 L1623512	K15/L15 4-6.6 L1623512-32 7/27/2016 L1623512	L15/L14 4-6.6 L1623627-36 7/28/2016 L1623627	L15/L14 6.6-11 L1623627-41 7/28/2016 L1623627	L15/L16 6.6-11 L1623627-34 7/28/2016 L1623627	L15/L16 4-6.6 L1623627-35 7/28/2016 L1623627	L15/M15 3.3-6.6 L1623512-35 7/27/2016 L1623512	L15/M15 6.6-11 L1623512-38 7/27/2016 L1623512	B15/B14 3.3-6.6 L1624133-01 8/3/2016 L1624133	B15/B14 6.6-10 L1624133-02 8/3/2016 L1624133	B15/B14 10-13.3 L1624133-03 8/3/2016 L1624133	B15/B14 13.6-16.6 L1624133-04 8/3/2016 L1624133	B15/B14 16.6-18 L1624133-05 8/3/2016 L1624133	D16/C16 3.3-6.6 L1624386-01 8/4/2016 L1624386	D16/C16 6.6-10 L1624386-02 8/4/2016 L1624386	D16/C16 10-13.3 L1624386-03 8/4/2016 L1624386	
RCRA 8 Metals																										
Arsenic	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	68	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																										
Arsenic	0	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	210	mg/L	11	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	1.5	3.6	2.5	1	<0.5	<0.5	5.3	0.66	<0.5	130	3.5	<0.5	26	16	
Pesticides																										
Toxaphene	0	mg/kg	<0.227	<0.815	<0.188	<0.218	<0.177	<0.184	<0.295	<0.309	<0.187	<0.187	<0.187	<0.199	<0.178	<0.181	<0.279	<0.174	<0.186	<0.164	<0.172	<0.182	<0.165	<0.203	<0.19	
Semi-Volatile Organic Compounds (SVOCs)																										
Pyridine	0	mg/kg	<0.8	<3.6	<0.83	<0.99	<0.79	<0.84	<1.3	<1.4	<1.7	<0.83	<0.87	<0.88	<0.8	<4	<1.2	<1.6	<0.82	<0.77	<3	<0.81	<0.75	<0.88	<0.87	
Polychlorinated Biphenyls (PCBs)																										
Aroclor 1016	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	D16/C16 13.3-16.6 L1624386-04 8/4/2016 L1624386	D16/C16 16.6-18 L1624386-05 8/4/2016 L1624386	C15/D15 6.6-10 L1624386-06 8/4/2016 L1624386	C15/D15 10-13.3 L1624386-07 8/4/2016 L1624386	C15/D15 13.3-16.6 L1624386-08 8/4/2016 L1624386	C15/D15 29-31 L1624386-09 8/4/2016 L1624386	D16/C16 3.3-6.6 L1624386-10 8/4/2016 L1624386	D16/C16 6.6-10 L1624386-11 8/4/2016 L1624386	D16/C16 10-13.3 L1624386-12 8/4/2016 L1624386	D16/C16 13.3-16.3 L1624386-13 8/4/2016 L1624386	D16/C16 16.6-18 L1624386-14 8/4/2016 L1624386	D15/C14 S6 L1624386-15 8/4/2016 L1624386	D15/C14 S7 L1624386-16 8/4/2016 L1624386	D15/C14 S8 L1624386-17 8/4/2016 L1624386	B17/B18 6.6-10 L1624517-01 8/4/2016 L1624517	C19/C20 3.3-6.6 L1624517-02 8/4/2016 L1624517	C17/C18 6.6-10 L1624517-03 8/4/2016 L1624517	D08/E08 3.3-6.6 L1624517-04 8/4/2016 L1624517	D08/E08 6.6-8 L1624517-05 8/4/2016 L1624517	C06 S 0-3.3 L1624517-06 8/4/2016 L1624517	C06 S 3.3-6.6 L1624517-07 8/4/2016 L1624517	C06 S 6.6-10 L1624517-08 8/4/2016 L1624517	C06 N 0-3.3 L1624517-09 8/4/2016 L1624517	
RCRA 8 Metals																										
Arsenic	0	mg/kg																								
Lead	68	mg/kg																								
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																										
Arsenic	0	mg/L						<1																		
Lead	210	mg/L	32	9.8	1.5	7.2	37	<0.5	1	1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.9	--	0.72	<0.5	110	17	100	67	8.1	
Pesticides																										
Toxaphene	0	mg/kg	<0.18	<0.207	<0.177	<0.177	<0.192	<0.186	<0.356	<0.169	<0.215	<0.197	<0.231	<0.176	<0.175	<0.167	<0.182	--	<0.198	<0.178	<0.208	<0.173	<0.177	<0.172	<0.175	
Semi-Volatile Organic Compounds (SVOCs)																										
Pyridine	0	mg/kg	<0.81	<0.95	<1.6	<1.6	<0.86	<0.82	<0.78	<0.76	<0.95	<0.88	<1	<0.79	<0.78	<0.74	<1.6	--	<0.89	<0.78	<0.94	<0.79	<0.77	<1.6	<0.77	
Polychlorinated Biphenyls (PCBs)																										
Aroclor 1016	0	mg/kg																<0.0395								
Aroclor 1221	0	mg/kg																<0.0395								
Aroclor 1232	0	mg/kg																<0.0395								
Aroclor 1242	0	mg/kg																<0.0395								
Aroclor 1248	0	mg/kg																<0.0395								
Aroclor 1254	0	mg/kg																0.469								
Aroclor 1260	0	mg/kg																0.108								
Aroclor 1262	0	mg/kg																<0.0395								
Aroclor 1268	0	mg/kg																<0.0395								
Total PCBs	0	mg/kg																0.577								

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	C06 N 3.3-6.6 L1624517-10 8/4/2016 L1624517	C06 N 6.6-10 L1624517-11 8/4/2016 L1624517	C06 W 0-3.3 L1624517-12 8/4/2016 L1624517	C06 W 3.3-6.6 L1624517-13 8/4/2016 L1624517	C06 W 6.6-10 L1624517-14 8/4/2016 L1624517	E07/F08 0-3.3 L1624517-15 8/4/2016 L1624517	E07/F08 3.3-6.6 L1624517-16 8/4/2016 L1624517	E07/F08 6.6-10 L1624517-17 8/4/2016 L1624517	D25/D26 3.3-6.6 L1624517-18 8/4/2016 L1624517	C25/C26 3.3-6.6 L1624517-19 8/4/2016 L1624517	C24/D24 0-3.3 L1624517-20 8/4/2016 L1624517	C24/D24 3.3-6.6 L1624517-21 8/4/2016 L1624517	C24/B24 0-3.3 L1624517-22 8/4/2016 L1624517	C24/B24 3.3-6.6 L1624517-23 8/4/2016 L1624517	C15/C16 29-31 L1624517-24 8/4/2016 L1624517	C15/C14 29-31 L1624517-25 8/4/2016 L1624517	E17/D17 24-26 L1624517-26 8/4/2016 L1624517	E17/E18 24-26 L1624517-27 8/4/2016 L1624517	B16/C16 19-21 L1624517-28 8/4/2016 L1624517	E05 N 0-3.3 L1624360-01 8/3/2016 L1624360	E05 N 3.3-6.6 L1624360-02 8/3/2016 L1624360	E05 W 0-3.3 L1624360-03 8/3/2016 L1624360	E05 W 3.3-6.6 L1624360-04 8/3/2016 L1624360
RCRA 8 Metals																									
Arsenic	0	mg/kg																							
Lead	68	mg/kg																							
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																									
Arsenic	0	mg/L																							
Lead	210	mg/L	20	77	57	43	1.1	<0.5	<0.5	<0.5	10	<0.5	47	35	<0.5	<0.5						3.4	70	42	<0.5
Pesticides																									
Toxaphene	0	mg/kg	<0.159	<0.182	<0.167	<0.190	<0.182	<0.159	<0.190	<0.173	<0.178	<0.182	<0.175	<0.169	<0.177	<0.158						<0.174	<0.210	<0.180	<0.247
Semi-Volatile Organic Compounds (SVOCs)																									
Pyridine	0	mg/kg	<0.74	<1.6	<1.5	<1.7	<0.8	<0.71	<0.86	<0.77	<0.8	<0.8	<0.78	<0.79	<0.78	<0.73						<0.79	<0.94	<0.8	<1.1
Polychlorinated Biphenyls (PCBs)																									
Aroclor 1016	0	mg/kg																							
Aroclor 1221	0	mg/kg																							
Aroclor 1232	0	mg/kg																							
Aroclor 1242	0	mg/kg																							
Aroclor 1248	0	mg/kg																							
Aroclor 1254	0	mg/kg																							
Aroclor 1260	0	mg/kg																							
Aroclor 1262	0	mg/kg																							
Aroclor 1268	0	mg/kg																							
Total PCBs	0	mg/kg																							

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	E05 S 0-3.3 L1624360-05 8/3/2016 L1624360	E05 S 3.3-6.6 L1624360-06 8/3/2016 L1624360	E05 E 0-3.3 L1624360-07 8/3/2016 L1624360	E05 E 3.3-6.6 L1624360-08 8/3/2016 L1624360	I09/I10 6.6-10 L1624360-09 8/3/2016 L1624360	I09/I10 10-12.0 L1624360-10 8/3/2016 L1624360	G09 W 3.3-6.6 L1624360-11 8/3/2016 L1624360	G09 W 6.6-10 L1624360-12 8/3/2016 L1624360	G09 W 10-12.0 L1624360-13 8/3/2016 L1624360	G09 N 3.3-6.6 L1624360-14 8/3/2016 L1624360	G09 N 6.6-10 L1624360-15 8/3/2016 L1624360	G09 N 10-12.0 L1624360-16 8/3/2016 L1624360	G09 E 3.3-6.6 L1624360-17 8/3/2016 L1624360	G09 E 6.6-10 L1624360-18 8/3/2016 L1624360	G09 E 10-12.0 L1624360-19 8/3/2016 L1624360	E14/E15 10-13.3 L1624360-20 8/3/2016 L1624360	E14/E15 16.6-18 L1624360-21 8/3/2016 L1624360	M11 N 0-3.3 L1624360-22 8/3/2016 L1624360	M11 N 3.3-6.6 L1624360-23 8/3/2016 L1624360	M11 S 0-3.3 L1624360-24 8/3/2016 L1624360	M11 S 3.3-6.6 L1624360-25 8/3/2016 L1624360	D13/E13 3.3-6.6 L1624360-26 8/3/2016 L1624360	D13/E13 6.6-10 L1624360-27 8/3/2016 L1624360
RCRA 8 Metals																									
Arsenic	0	mg/kg																							
Lead	68	mg/kg																							
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																									
Arsenic	0	mg/L																							
Lead	210	mg/L	1.3	17	<0.5	<0.5	6.5	12	<0.5	<0.5	0.59	<0.5	<0.5	13	1.7	140	28	130	13					42	59
Pesticides																									
Toxaphene	0	mg/kg	<0.17	<0.178	<0.157	<0.166	<0.171	<0.197	<0.164	<0.17	<0.187	<0.17	<0.235	<0.19	<0.162	<0.165	<0.181	<0.203	<0.203					<0.17	<0.184
Semi-Volatile Organic Compounds (SVOCs)																									
Pyridine	0	mg/kg	<1.6	<0.81	<1.4	<0.77	<0.78	<0.89	<1.5	<1.5	<0.86	<0.75	<1.1	<0.86	<0.72	<7.6	<0.85	<0.89	<4.5					<0.78	<0.83
Polychlorinated Biphenyls (PCBs)																									
Aroclor 1016	0	mg/kg																		<0.035	<0.0414	<0.034	<0.047		
Aroclor 1221	0	mg/kg																		<0.035	<0.0414	<0.034	<0.047		
Aroclor 1232	0	mg/kg																		<0.035	<0.0414	<0.034	<0.047		
Aroclor 1242	0	mg/kg																		<0.035	<0.0414	<0.034	<0.047		
Aroclor 1248	0	mg/kg																		<0.035	<0.0414	<0.034	<0.047		
Aroclor 1254	0	mg/kg																		<0.035	<0.0414	<0.034	<0.047		
Aroclor 1260	0	mg/kg																		<0.035	<0.0414	0.0907	0.164		
Aroclor 1262	0	mg/kg																		<0.035	<0.0414	<0.034	<0.047		
Aroclor 1268	0	mg/kg																		<0.035	<0.0414	<0.034	<0.047		
Total PCBs	0	mg/kg																		0	0	0.0907	0.164		

TABLE 2
COMPANION CELL DELINEATION SAMPLES TESTING RESULTS (ALPHA)
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Sample Location Sample Depth: Sample No. Sample Date: Lab Number	A04/B04 0-3.3 L1624360-28 8/3/2016 L1624360	A05/B05 0-3.3 L1624360-29 8/3/2016 L1624360	K15/K16 10-13.0 L1624360-30 8/3/2016 L1624360	J15/J16 10-11.0 L1624360-31 8/3/2016 L1624360	K13 W 6.6-8 L1624360-32 8/3/2016 L1624360	K13 W 8-12.0 L1624360-33 8/3/2016 L1624360	K13 W 12-14.0 L1624360-34 8/3/2016 L1624360	K13 N 6.6-8 L1624360-35 8/3/2016 L1624360	K13 N 8-12.0 L1624360-36 8/3/2016 L1624360	K13 N 12-14.0 L1624360-37 8/3/2016 L1624360	K13 E 6.6-8 L1624360-38 8/3/2016 L1624360	K13 E 8-12.0 L1624360-39 8/3/2016 L1624360	K13 E 12-14.0 L1624360-40 8/3/2016 L1624360	K13 S 6.6-8 L1624360-41 8/3/2016 L1624360	K13 S 8-12.0 L1624360-42 8/3/2016 L1624360	K13 S 12-14.0 L1624360-43 8/3/2016 L1624360
RCRA 8 Metals																		
Arsenic	0	mg/kg																
Lead	68	mg/kg																
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																		
Arsenic	0	mg/L																
Lead	210	mg/L	7.6	4.2	1.4	3.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.5	66
Pesticides																		
Toxaphene	0	mg/kg	<0.158	<0.813	<0.263	<0.2	<0.19	<0.195	<0.436	<0.16	<0.192	<0.23	<0.16	<0.278	<0.21	<0.225	<0.212	<0.216
Semi-Volatile Organic Compounds (SVOCs)																		
Pyridine	0	mg/kg	<3.6	<0.76	<12	<0.92	<0.88	<0.91	<2	<7.1	<0.87	<1.1	<2.9	<1.2	<4.9	<10	<0.93	<0.97
Polychlorinated Biphenyls (PCBs)																		
Aroclor 1016	0	mg/kg																
Aroclor 1221	0	mg/kg																
Aroclor 1232	0	mg/kg																
Aroclor 1242	0	mg/kg																
Aroclor 1248	0	mg/kg																
Aroclor 1254	0	mg/kg																
Aroclor 1260	0	mg/kg																
Aroclor 1262	0	mg/kg																
Aroclor 1268	0	mg/kg																
Total PCBs	0	mg/kg																

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Laboratory Sample Number Sampling Date Depth Interval (ft.) Preliminary Disposal Facility Category	MBTA_Spa_North	MBTA_Spa_South	SR1	SR1	SR2	SR2	SR3	SR3	SR4	SR4	SR5	SR5	SR6	SR6	SR8	SR8	SR9	SR9	
		1607008	1607008	1607136	1607136	1607136	1607136	1607136	1607136	1607136	1607212	1607212	1607136	1607136	1607212	1607212	1606712	1606712	1606712	1606712
		1607008-01	1607008-02	1607136-05	1607136-06	1607136-07	1607136-08	1607136-1	1607136-2	1607212-1	1607212-2	1607136-09	1607136-10	1607212-3	1606712-4	1606712-1	1606712-2	1606712-3	1606712-4	
		07/01/2016	07/01/2016	7/7/2016 2 to 5	7/7/2016 5 to 10	7/7/2016 2 to 5	7/7/2016 5 to 10	7/6/2016 2 to 5	7/6/2016 5 to 10	7/11/2016 2 to 5	7/11/2016 5 to 10	7/7/2016 2 to 5	7/7/2016 5 to 10	7/6/2016 2 to 5	7/6/2016 5 to 10 ft	6/28/2016 0-5 ft	6/28/2016 5-10 ft	6/28/2016 0-5 ft	6/28/2016 5-10 ft	
		MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type B	MCP Regulated Type B-1	MCP Regulated Type B-1	Hazardous Material Type A	MCP Regulated Type A	
RCRA 8 Metals																				
Anitmony	mg/kg	--	--	<4.76	<5.19	<5.17	<6.11	1.59	<4.91	<9.73	<3.89	<4.83	11.4	<4.84	<6.21	<0.61	<0.61	3.87	1.73	
Arsenic	mg/kg	8.3	25.8	4.32	3.05	<2.58	68.5	3.4	<2.46	<4.86	10.4	6	44	17	37.5	<3.03	<3.05	61.9	31.9	
Barium	mg/kg	63.8	600	16.4	103	37.6	480	309	48.6	69	17.6	71.2	14.3	49.6	97.9	88.7	89.1	150	103	
Beryllium	mg/kg	--	--	0.26	1.12	0.21	0.63	<0.12	0.19	0.68	0.37	0.32	0.19	0.39	0.92	1.12	1.16	0.24	0.2	
Cadmium	mg/kg	<0.44	<0.43	<0.48	<0.52	<0.52	0.61	5.03	10.3	<0.97	<0.39	<0.78	<0.64	<0.48	<0.62	<0.61	<0.61	<0.54	<0.52	
Chromium	mg/kg	17.4	16.8	11.7	45.3	9.56	19.1	15.5	9.35	32.8	13.8	9.86	8.44	21.3	43.2	44.8	46.1	10.6	8.46	
Lead	mg/kg	209	426	16.6	13.1	13.8	267	325	77.3	114	39.2	140	136	1450	544	39.5	14.1	674	308	
Mercury	mg/kg	0.482	0.485	0.073	<0.03	<0.03	0.108	0.38	0.136	<0.033	0.134	0.204	0.067	2.39	0.737	<0.040	<0.040	2.52	1.31	
Nickel	mg/kg	--	--	9.2	30.7	10.4	14	7.46	6.95	41.7	7.07	8.11	6.33	15	30.8	30.2	30.3	7.86	7.26	
Selenium	mg/kg	2.26	2.1	<0.48	<0.52	<0.52	1.82	1.41	0.65	<0.49	<0.47	0.55	1.56	15.6	14.9	<0.61	<0.61	1.73	1.25	
Silver	mg/kg	1.07	2.6	<0.48	<1.04	<0.52	1	4.86	0.67	<0.97	<0.39	<0.48	<0.64	<0.48	<0.62	<0.61	<0.61	<0.54	<0.52	
Thallium	mg/kg	--	--	<0.48	<0.52	<0.52	0.7	<0.57	<0.49	<0.49	<0.39	<0.48	<0.64	<0.48	<0.62	<0.61	<0.61	0.57	<0.52	
Vanadium	mg/kg	--	--	16.2	52.4	14.9	25.6	6	12.1	40.6	12.8	13.9	10.2	33.1	52.5	52.1	53.6	12.2	12.1	
Zinc	mg/kg	--	--	38.9	234	28	199	2240	4410	191	215	81.8	81.5	180	138	94.4	69.1	76.7	52.8	
Metals by TCLP																				
Arsenic	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Lead	mg/L	0.496	0.329	--	--	--	0.072	<0.05	--	<0.050	--	0.11	0.751	44.5	8.63	--	--	0.126	0.091	
Mercury	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pesticides																				
4,4'-DDD	mg/kg	-	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
4,4'-DDT	mg/kg	-	0.0053	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	0.0138	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
Aldrin	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
alpha-BHC	mg/kg	<0.0027	-	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
beta-BHC	mg/kg	<0.0027	0.0046	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
Chlordane (Total)	mg/kg	<0.0214	<0.0212	<0.0481	<0.565	<0.0516	<0.0639	<0.0551	<0.0068	<0.0515	<0.0528	<0.0516	<0.0639	<0.0551	<0.0786	<0.0548	<0.0576	<0.0533	<0.0551	
delta-BHC	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
Dieldrin	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	0.0312	0.0143	
Endosulfan I	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
Endosulfan II	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
Endosulfan Sulfate	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
Endrin	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
Endrin Ketone	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0069	<0.0098	<0.0068	<0.0072	<0.0067	<0.0069	
gamma-BHC (Lindane)	mg/kg	<0.0016	<0.0016	<0.0063	<0.0042	<0.0039	<0.0048	<0.0041	<0.0041	<0.0039	<0.0040	<0.0039	<0.0048	<0.0041	<0.0059	<0.0041	<0.0043	<0.004	<0.0041	
Heptachlor	mg/kg	<0.0027	<0.0027	<0.006	<0.0071	<0.0065	<0.008	<0.0069	<0.0068	<0.0064	<0.0066	<0.0065	<0.008	<0.0						

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Laboratory Sample Number Sampling Date Depth Interval (ft.) Preliminary Disposal Facility Category	MBTA_Spa_North	MBTA_Spa_South	SR1	SR1	SR2	SR2	SR3	SR3	SR4	SR4	SR5	SR5	SR6	SR6	SR8	SR8	SR9	SR9
		1607008 1607008-01 07/01/2016	1607008 1607008-02 07/01/2016	1607136 1607136-05 7/7/2016 2 to 5	1607136 1607136-06 7/7/2016 5 to 10	1607136 1607136-07 7/7/2016 2 to 5	1607136 1607136-08 7/7/2016 5 to 10	1607136 1607136-1 7/6/2016 2 to 5	1607136 1607136-2 7/6/2016 5 to 10	1607212 1607212-1 7/11/2016 2 to 5	1607212 1607212-2 7/11/2016 5 to 10	1607136 1607136-09 7/7/2016 2 to 5	1607136 1607136-10 7/7/2016 5 to 10	1607212 1607212-3 7/6/2016 2 to 5	1606712 1606712-4 7/6/2016 5 to 10 ft	1606712 1606712-1 6/28/2016 0-5 ft	1606712 1606712-2 6/28/2016 5-10 ft	1606712 1606712-3 6/28/2016 0-5 ft	1606712 1606712-4 6/28/2016 5-10 ft
		MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type B	MCP Regulated Type B-1	MCP Regulated Type B-1	Hazardous Material Type A	MCP Regulated Type A
1,4-Dioxane - Screen	mg/kg	<49.9	<46.7	<44.7	<62.8	<54	<62.4	<47.7	<61.2	<39.5	<0.208	<46.8	<104	<47.6	<109	<72.9	<68.3	<64.1	<54.5
2,2-Dichloropropane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<41.6	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
2-Butanone	mg/kg	<1.25	<1.17	<1.12	<1.57	<1.35	<1.56	<1.19	<1.53	<0.987	<0.208	<1.17	<2.6	<0.238	<2.73	<1.82	<1.71	<1.6	<1.36
2-Chlorotoluene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<1.04	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
2-Hexanone	mg/kg	<1.25	<1.17	<1.12	<1.57	<1.35	<1.56	<1.19	<1.53	<0.987	<0.208	<1.17	<2.6	<0.238	<2.73	<1.82	<1.71	<1.6	<1.36
4-Chlorotoluene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<1.04	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
4-Isopropyltoluene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
4-Methyl-2-Pentanone	mg/kg	<1.25	<1.17	<1.12	<1.57	<1.35	<1.56	<0.238	<1.53	<0.987	<0.208	<1.17	<2.6	<0.238	<2.73	<1.82	<1.71	<1.6	<1.36
Acetone	mg/kg	<1.25	<1.17	2.01	<1.57	<1.35	<1.56	<1.19	<1.53	<0.987	<1.04	<1.17	<2.6	<0.238	<2.73	<1.82	<1.71	<1.6	<1.36
Benzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	0.584	<0.306	<0.197	<1.04	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Bromobenzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Bromochloromethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Bromodichloromethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Bromoform	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Bromomethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Carbon Disulfide	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Carbon Tetrachloride	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Chlorobenzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Chloroethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Chloroform	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Chloromethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
cis-1,2-Dichloroethene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
cis-1,3-Dichloropropene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Dibromochloromethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Dibromomethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Dichlorodifluoromethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Diethyl Ether	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Di-isopropyl ether	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Ethyl tertiary-butyl ether	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Ethylbenzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Hexachlorobutadiene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Isopropylbenzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Methyl tert-Butyl Ether	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Methylene Chloride	mg/kg	<0.499	<0.467	<1.12	<0.628	<0.54	<0.624	<1.19	<1.53	<0.395	<0.208	<0.468	<1.04	<0.238	<2.73	<0.729	<0.683	<0.641	<0.545
Naphthalene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	20.2	9.55	<0.197	<0.416	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
n-Butylbenzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
n-Propylbenzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
sec-Butylbenzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Styrene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
tert-Butylbenzene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Tertiary-amyI methyl ether	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Tetrachloroethene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Tetrahydrofuran	mg/kg	<1.25	<1.17	<1.12	<1.57	<1.35	<1.56	<1.19	<1.53	<0.987	<0.208	<1.17	<2.6	<0.238	<2.73	<1.82	<1.71	<1.6	<1.36
Toluene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	0.467	<0.306	<0.197	<1.04	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
trans-1,2-Dichloroethene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
trans-1,3-Dichloropropene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Trichloroethene	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	<0.197	<0.208	<0.234	<0.52	<0.238	<0.547	<0.365	<0.341	<0.32	<0.273
Trichlorofluoromethane	mg/kg	<0.249	<0.233	<0.223	<0.314	<0.27	<0.312	<0.238	<0.306	&									

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Sample ID	MBTA_Spa_North	MBTA_Spa_South	SR1	SR1	SR2	SR2	SR3	SR3	SR4	SR4	SR5	SR5	SR6	SR6	SR8	SR8	SR9	SR9
	Laboratory Work Order	1607008	1607008	1607136	1607136	1607136	1607136	1607136	1607136	1607212	1607212	1607136	1607136	1607212	1606712	1606712	1606712	1606712	
	Laboratory Sample Number	1607008-01	1607008-02	1607136-05	1607136-06	1607136-07	1607136-08	1607136-1	1607136-2	1607212-1	1607212-2	1607136-09	1607136-10	1607212-3	1606712-4	1606712-1	1606712-2	1606712-3	1606712-4
	Sampling Date Depth Interval (ft.)	07/01/2016	07/01/2016	7/7/2016 2 to 5	7/7/2016 5 to 10	7/7/2016 2 to 5	7/7/2016 5 to 10	7/6/2016 2 to 5	7/6/2016 5 to 10	7/11/2016 2 to 5	7/11/2016 5 to 10	7/7/2016 2 to 5	7/7/2016 5 to 10	7/6/2016 2 to 5	7/6/2016 5 to 10 ft	6/28/2016 0-5 ft	6/28/2016 5-10 ft	6/28/2016 0-5 ft	6/28/2016 5-10 ft
	Preliminary Disposal Facility Category	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type B	MCP Regulated Type B-1	MCP Regulated Type B-1	Hazardous Material Type A	MCP Regulated Type A
Bromodichloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-isopropyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl tertiary-butyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-Butyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tertiary-amyl methyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene O	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene P,M	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes (Total)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total VOCs	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs																			
1,2,4-Trichlorobenzene	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
1,2-Dichlorobenzene	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
1,3-Dichlorobenzene	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.386	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
1,4-Dichlorobenzene	mg/kg	<0.395	<0.367	<0.401	<0.997	<0.814	<0.986	<0.908	<0.49	<0.77	<0.902	<0.853	<0.529	<0.464	<0.621	<0.969	<1.02	<0.873	<0.883
2,4,5-Trichlorophenol	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
2,4,6-Trichlorophenol	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
2,4-Dichlorophenol	mg/kg	<0.395	<0.367	<0.799	<5	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
2,4-Dimethylphenol	mg/kg	<																	

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
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Everett, Massachusetts

Analyte	Sample ID	MBTA_Spa_North	MBTA_Spa_South	SR1	SR1	SR2	SR2	SR3	SR3	SR4	SR4	SR5	SR5	SR6	SR6	SR8	SR8	SR9	SR9
	Laboratory Work Order	1607008	1607008	1607136	1607136	1607136	1607136	1607136	1607136	1607212	1607212	1607136	1607136	1607212	160712	1606712	1606712	1606712	1606712
	Laboratory Sample Number Sampling Date Depth Interval (ft.)	1607008-01 07/01/2016	1607008-02 07/01/2016	1607136-05 7/7/2016 2 to 5	1607136-06 7/7/2016 5 to 10	1607136-07 7/7/2016 2 to 5	1607136-08 7/7/2016 5 to 10	1607136-1 7/6/2016 2 to 5	1607136-2 7/6/2016 5 to 10	1607212-1 7/11/2016 2 to 5	1607212-2 7/11/2016 5 to 10	1607136-09 7/7/2016 2 to 5	1607136-10 7/7/2016 5 to 10	1607212-3 7/6/2016 2 to 5	1606712-4 7/6/2016 5 to 10 ft	1606712-1 6/28/2016 0-5 ft	1606712-2 6/28/2016 5-10 ft	1606712-3 6/28/2016 0-5 ft	1606712-4 6/28/2016 5-10 ft
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type B	MCP Regulated Type B-1	MCP Regulated Type B-1	Hazardous Material Type A	MCP Regulated Type A
Fluoranthene	mg/kg	2.06	3.78	<0.799	<0.997	<1.62	<0.986	178	172	<0.77	<1.8	2.7	<1.05	4.54	2.38	<0.969	<1.02	<0.873	<0.883
Fluorene	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	45.1	22.3	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
Hexachlorobenzene	mg/kg	<0.395	<0.367	<0.401	<0.5	<0.814	<0.494	<0.456	<0.490	<0.386	<0.902	<0.853	<0.529	<0.464	<0.621	<0.969	<1.02	<0.873	<0.883
Hexachlorobutadiene	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
Hexachloroethane	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
Indeno(1,2,3-cd)Pyrene	mg/kg	0.765	1.25	<0.799	<0.997	<1.62	<0.986	10.8	11	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
Isophorone	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
Naphthalene	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	20.5	46.4	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
Nitrobenzene	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
N-Nitrosodimethylamine	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
Pentachlorophenol	mg/kg	<1.98	<1.84	<4.01	<5	<8.14	<4.94	<4.56	<4.9	<3.86	<9.02	<0.853	<5.29	<4.64	<6.21	<4.86	<1.02	<0.873	<4.43
Phenanthrene	mg/kg	0.995	2.09	<0.799	<0.997	<1.62	<0.986	158	219	<0.77	1.96	1.88	<1.05	4.58	1.94	<0.969	<1.02	<0.873	<0.883
Phenol	mg/kg	<0.395	<0.367	<0.799	<0.997	<1.62	<0.986	<0.908	<0.978	<0.77	<1.8	<1.7	<1.05	<0.925	<1.24	<0.969	<1.02	<0.873	<0.883
Pyrene	mg/kg	2.03	4.58	<0.799	<0.997	<1.62	<0.986	149	152	<0.77	2.19	2.47	<1.05	3.75	2.02	<0.969	<1.02	<0.873	<0.883
Pyridine	mg/kg	<1.98	<1.84	<4.01	<5	<8.14	<4.94	<4.56	<4.9	<3.86	<9.02	<8.53	<5.29	<4.64	<6.21	<4.86	<5.09	<4.38	<4.43
Total SVOCs	mg/kg	12.062	23.327	0	0	0	0	982.338	1013.25	0	6.63	9.64	0	20.81	8.011	0	0	0.693	0.504
Classical Chemistry																			
Conductivity	umhos/cm	1520	1370	1550	1850	1470	1520	779	719	292	348	655	801	759	820	775	343	510	483
Corrosivity (pH)	S.U.	7.2	7.18	4.56	5.45	8.16	6.32	7.84	8.17	7.83	8	7.56	7.26	7.72	6.43	6.97	6.9	6.14	5.74
Flashpoint	°F	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
Reactive Cyanide	mg/kg	<2.0	<2.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Reactive Sulfide	mg/kg	<2.0	<2.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Sample ID	SR-10	SR-10	SR-11	SR-11	SR-11	SR-12	SR-12	SR-13	SR-13	U14	U14	U15	U15	U16	U16	U17	U17	U18
	Laboratory Work Order	1606712	1606712	1606712	1606712	L1624514	1606712	1606712	1606712	1606712	1602442	1602442	1602442	1602442	1602442	1602442	1602485	1602485	1602519
	Laboratory Sample Number	1606712-5	1606712-6	1606712-07	1606712-08	L1624514-01	1606712-09	1606712-10	1606712-11	1606712-12	1602442-06	1602442-07	1602442-08	1602442-09	1602442-10	1602442-11	1602485-01	1602485-02	1602519-1
	Sampling Date	6/28/2016	6/28/2016	6/28/2016	6/28/2016	8/4/2016	6/28/2016	6/28/2016	6/28/2016	6/28/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/22/2016	2/23/2016
	Depth Interval (ft.)	0-5 ft	5-10 ft	0-5ft	5-10FT		0-5FT	5-10FT	0-5FT	5-10FT	U14S01S03A	U14S03BS05	U15S01S03A	U15S03BS05	U16S01S03A	U16S03BS05	U17S01S03A	U17S03BS05	U18S01S03A
	Preliminary Disposal Facility Category	MCP Regulated	MCP Regulated	Hazardous	Hazardous		MCP Regulated	MCP Regulated	MCP Regulated	MCP Regulated	Hazardous	Hazardous	Hazardous	Hazardous	MCP Regulated	MCP Regulated	Hazardous	Hazardous	Hazardous
		Type B-1	Type B-1	Material Type A	Material Type A		Type A	Type B-1	Type A	Type B-1	Material Type A	Material Type A	Material Type B	Material Type A	Type A	Type A	Material Type A	Material Type A	Material Type A
RCRA 8 Metals																			
Anitmony	mg/kg	5.09	2.73	1.43	1.84		ND (0.51)	ND (0.60)	ND (0.56)	ND (0.59)	<4.24	<1.44	<4.31	<4.46	<4.6	<5.39	<5.38	ND	<4.61
Arsenic	mg/kg	13	8.98	10.6	19.6		9.12	3.47	ND (2.80)	4.37	11.9	17.6	19.5	11.7	12.6	7.6	11.4	3.18	
Barium	mg/kg	256	192	234	203		30.4	86.9	79.7	86.2	43.7	110	325	44.1	71.5	52.2	54.4	80.5	28.3
Beryllium	mg/kg	0.18	0.2	0.33	0.45		0.32	1.14	0.75	0.96	0.42	1.32	0.31	0.61	0.77	0.54	0.61	0.9	0.35
Cadmium	mg/kg	<0.54	<0.55	<0.54	0.76		ND (0.51)	ND (0.60)	ND (0.56)	ND (0.59)	<0.42	<0.58	0.65	0.61	0.54	<0.54	<0.54	ND	<0.46
Chromium	mg/kg	14.8	12.4	19.3	15.8		15.9	49	38.8	45.8	13.8	55	19.5	20.6	17.9	18.8	21.1	40.2	45.6
Lead	mg/kg	2040	1180	1240	991		24.6	16.2	48.8	21.4	63.5	14.2	1630	25.7	135	167	84.5	10.5	36.2
Mercury	mg/kg	2.09	1.99	0.547	0.684		0.066	ND (0.033)	ND (0.032)	ND (0.032)	0.085	<0.04	1.9	<0.04	0.298	0.714	0.091	ND	<0.036
Nickel	mg/kg	10.9	10.6	14.9	16.4		19.1	33.1	26.8	30.5	10.7	35.1	13.5	16.8	15.8	28.3	16.4	27.5	
Selenium	mg/kg	3.34	1.8	1.17	1.36		ND (0.51)	ND (0.60)	ND (0.56)	ND (0.59)	<2.12	<0.58	3.18	<0.45	<2.3	<2.69	<2.69	ND	<2.3
Silver	mg/kg	0.85	0.61	<0.54	ND (0.54)		ND (0.51)	ND (0.60)	ND (0.56)	ND (0.59)	0.56	1.58	2	0.69	1.65	1.31	1.67	1.44	0.59
Thallium	mg/kg	<0.54	<0.55	<0.54	ND (0.54)		ND (0.51)	ND (0.60)	ND (0.56)	ND (0.59)	<0.42	<0.58	<0.43	<0.45	<0.46	<0.54	<0.54	ND	<2.3
Vanadium	mg/kg	14.1	15.3	18.9	14.8		17.2	55.4	41.8	50.4	18	62.2	20.3	25.4	22.2	24.3	27	45	24.5
Zinc	mg/kg	244	180	280	321		40.4	77.1	131	88.6	91	79.7	264	148	95.6	432	47.8	62.6	60.3
Metals by TCLP																			
Arsenic	mg/L	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	2.59	4.93	0.608	0.512		--	--	--	--	--	--	8.17	--	0.053	0.125	--	--	--
Mercury	mg/L	--	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides																			
4,4'-DDD	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
4,4'-DDT	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Aldrin	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
alpha-BHC	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
beta-BHC	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0586	ND	<0.0067
Chlordane (Total)	mg/kg	<0.530	<0.0549	ND (0.0534)	ND (0.0564)		ND (0.0488)	ND (0.0626)	ND (0.0556)	ND (0.0587)	<0.0548	<0.0615	<0.0529	<0.0617	<0.0566	<0.058	<0.0073	ND	<0.0539
delta-BHC	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Dieldrin	mg/kg	0.018	0.0496	0.0067	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	0.0432	<0.0077	<0.0071	<0.0072	0.0149	ND	<0.0067
Endosulfan I	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Endosulfan II	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Endosulfan Sulfate	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Endrin	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Endrin Ketone	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
gamma-BHC (Lindane)	mg/kg	<0.0040	<0.0041	ND (0.0040)	ND (0.0042)		ND (0.0037)	ND (0.0047)	ND (0.0042)	ND (0.0044)	<0.0041	<0.0046	<0.004	<0.0046	<0.0042	<0.0043	<0.0044	ND	<0.004
Heptachlor	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Heptachlor Epoxide	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Hexachlorobenzene	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Hexachlorobenzene [2C]	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Methoxychlor	mg/kg	<0.0066	<0.0069	ND (0.0067)	ND (0.0070)		ND (0.0061)	ND (0.0078)	ND (0.0070)	ND (0.0073)	<0.0068	<0.0077	<0.0066	<0.0077	<0.0071	<0.0072	<0.0073	ND	<0.0067
Toxaphene	mg/kg	<0.331	<0.343	ND (0.333)	ND (0.352)		ND (0.305)	ND (0.391)	ND (0.348)	ND (0.367)	--	--	--	--	--	--	--	ND	--
Total Pesticides	mg/kg	0.018	0.0496	0.0067	0		0	0	0	0	0	0	0.0432	0	0	0	0.0239	0	0
Herbicides																			
2,4,5-T	mg/kg	<0.011	<0.011	ND (0.011)	ND (0.012)		ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	<0.01	<0.012	<0.010	<0.012	<0.011	<0.012	<0.011	ND	<0.089
2,4,5-TP (Silvex)	mg/kg	<0.011	<0.011	ND (0.011)	ND (0.012)		ND (0.010)	ND (0.011)	ND (0.011)	ND (0.011)	<0.01	<0.012	<0.010	<0.012	<0.011	<0.012	<0.011	ND	<0.44
2,4-D	mg/kg	<0.054	<0.054	ND (0.052)	ND (0.057)		ND (0.049)	ND (0.057)	ND (0.052)	ND (0.056)	<0.052	<0.057	<0.051	<0.059	<0.053	<0.059	<0.056	ND	<0.033
2,4-DB	mg/kg	<0.055	<0.054	ND (0.053)	0.091		ND (0.050)	ND (0.057)	ND (0.053)	ND (0.057)	<0.052	<0.058	<0.051	<0.059	<0.054	<0.06	<0.057	ND	<0.044
Dalapon	mg/kg	<0.052	<0.052	ND (0.051)	0.257		ND (0.047)	ND (0.055)	ND (0.050)	ND (0.055)	<0.05	<0.055	<0.049	<0.057	<0.051	<0.057	<0.055	ND	<0.13
Dicamba	mg/kg	<0.011	<0.011	ND (0.010)	0.045		ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)	<0.01	<0.011	<0.01	<0.012	<0.011	0.012	<0.011	ND	<0.29
Dichlorprop	mg/kg	<0.054	<0.054	ND (0.052)	ND (0.057)		ND (0.049)	ND (0.057)	ND (0.052)	ND (0.056)	<0.052	<0.057	<0.051	<0.059	<0.053	0.604	<0.056	ND	<0.44
Dinoseb	mg/kg	<0.055	<0.054	ND (0.053)	ND (0.058)		ND (0.050)	ND (0.057)	ND (0.053)	ND (0.057)	<0.052	<0.058	<0.051	<0.059	<0.054	<0.06	<0.057	ND	<110
MCPA	mg/kg	<2.67	<2.66	ND (2.59)	# ND (2.82)		ND (2.43)	ND (2.81)	ND (2.58)	ND (2.79)	<2.55	<2.83	<2.51	<2.9	<2.62	<2.92	<2.79	ND	<0.089
MCPP	mg/kg	<2.70	<2.69	# ND (2.61)	# ND (2.85)		ND (2.45)	ND (2.84)	# ND (2.61)	# ND (2.82)	<2.58	<2.86	<2.54	<2.93	<2.65	<2.95	<2.82	ND	<110
Total Herbicides	mg/kg	0	0	0	0.393		0	0	0	0	0	0	0	0	0.616	0	0	0	0
PCBs																			
Aroclor 1016	mg/kg	<0.0663	<0.0687	ND (0.0667)	ND (0.0705)		ND (0.0611)	ND (0.0783)	ND (0.0695)	ND (0.0733)	<0.0685	<0.0769	<0.0661	<0.0771	<0.0707	<0.0725	<0.0732	ND	<0.0673
Aroclor 1221	mg/kg	<0.0663	<0.0687	ND (0.0667)	ND (0.0705)		ND (0.0611)	ND (0.0783)	ND (0.0695)	ND (0.0733)	<0.0685	<0.0769	<0.0661	<0.0771	<0.0707	<0.0725	<0.0732	ND	<0.0673
Aroclor 1232	mg/kg	<0.0663	<0.0687	ND (0.0667)	ND (0.0705)		ND (0.0611)	ND (0.0783)	ND (0.0695)	ND (0.0733)	<0.0685	<0.0769	<0.0661	<0.0771	<0.0707	<0.0725	<0.0732	ND	<0.0673
Aroclor 1242	mg/kg	<0.0663	<0.0687	ND (0.0667)	ND (0.0705)		ND (0.0611)												

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Laboratory Work Order Laboratory Sample Number Sampling Date Depth Interval (ft.) Preliminary Disposal Facility Category	SR-10	SR-10	SR-11	SR-11	SR-11	SR-12	SR-12	SR-12	SR-13	SR-13	U14	U14	U15	U15	U16	U16	U17	U17	U18
		1606712	1606712	1606712	1606712	L1624514	1606712	1606712	1606712	1606712	1602442	1602442	1602442	1602442	1602442	1602442	1602442	1602485	1602485	1602519
		1606712-5	1606712-6	1606712-07	1606712-08	L1624514-01	1606712-09	1606712-10	1606712-11	1606712-12	1606712-12	1602442-06	1602442-07	1602442-08	1602442-09	1602442-10	1602442-11	1602485-01	1602485-02	1602519-1
		6/28/2016	6/28/2016	6/28/2016	6/28/2016	8/4/2016	6/28/2016	6/28/2016	6/28/2016	6/28/2016	6/28/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/23/2016	2/23/2016	2/23/2016
		0-5 ft	5-10 ft	0-5ft	5-10FT		0-5FT	5-10FT	0-5FT	5-10FT	U14S01S03A	U14S03BS05	U15S01S03A	U15S03BS05	U16S01S03A	U16S03BS05	U17S01S03A	U17S03BS05	U18S01s03A	
		MCP Regulated	MCP Regulated	Hazardous	Hazardous		MCP Regulated	MCP Regulated	MCP Regulated	MCP Regulated	Hazardous	Hazardous	Hazardous	Hazardous	MCP Regulated	MCP Regulated	Hazardous	Hazardous	Hazardous	
		Type B-1	Type B-1	Material Type A	Material Type A		Type A	Type B-1	Type A	Type B-1	Material Type A	Material Type A	Material Type B	Material Type A	Type A	Type A	Material Type A	Material Type A	Material Type A	
1,4-Dioxane - Screen	mg/kg	<62.8	<45.7	<51.2	ND (61.2)		ND (44.9)	ND (71.4)	ND (54.5)	ND (76.4)	--	--	--	--	<0.175	<60.1	--	--	--	
2,2-Dichloropropane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
2-Butanone	mg/kg	<1.57	<1.14	<1.28	ND (1.53)		ND (1.12)	ND (1.79)	ND (1.36)	ND (1.91)	--	--	--	--	<0.875	<1.5	--	--	--	
2-Chlorotoluene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
2-Hexanone	mg/kg	<1.57	<1.14	<1.28	ND (1.53)		ND (1.12)	ND (1.79)	ND (1.36)	ND (1.91)	--	--	--	--	<0.875	<1.5	--	--	--	
4-Chlorotoluene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
4-Isopropyltoluene	mg/kg	<0.314	<0.228	<0.256	0.309		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
4-Methyl-2-Pentanone	mg/kg	<1.47	<1.14	<1.28	ND (1.53)		ND (1.12)	ND (1.79)	ND (1.36)	ND (1.91)	--	--	--	--	<0.875	<1.5	--	--	--	
Acetone	mg/kg	<1.57	<1.14	<1.28	ND (1.53)		ND (1.12)	ND (1.79)	ND (1.36)	ND (1.91)	--	--	--	--	<0.875	<1.5	--	--	--	
Benzene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Bromobenzene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Bromochloromethane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Bromodichloromethane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Bromoform	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Bromomethane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Carbon Disulfide	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Carbon Tetrachloride	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Chlorobenzene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Chloroethane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Chloroform	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Chloromethane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
cis-1,2-Dichloroethene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
cis-1,3-Dichloropropene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Dibromochloromethane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Dibromomethane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Dichlorodifluoromethane	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Diethyl Ether	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Di-isopropyl ether	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Ethyl tertiary-butyl ether	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Ethylbenzene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Hexachlorobutadiene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Isopropylbenzene	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Methyl tert-Butyl Ether	mg/kg	<0.314	<0.228	<0.256	ND (0.306)		ND (0.225)	ND (0.357)	ND (0.272)	ND (0.382)	--	--	--	--	<0.175	<0.3	--	--	--	
Methylene Chloride	mg/kg	<0.628	<0.457	<0.512	ND (0.612)		ND (0.449)	ND (0.714)	ND (0.545)	ND (										

Everett, Massachusetts

Analyte	Sample ID	SR-10	SR-10	SR-11	SR-11	SR-11	SR-12	SR-12	SR-13	SR-13	U14	U14	U15	U15	U16	U17	U18	
	Laboratory Work Order	1606712	1606712	1606712	1606712	L1624514	1606712	1606712	1606712	1606712	1602442	1602442	1602442	1602442	1602442	1602485	1602519	
	Laboratory Sample Number	1606712-5	1606712-6	1606712-07	1606712-08	L1624514-01	1606712-09	1606712-10	1606712-11	1606712-12	1602442-06	1602442-07	1602442-08	1602442-09	1602442-10	1602485-01	1602519-1	
	Sampling Date	6/28/2016	6/28/2016	6/28/2016	6/28/2016	8/4/2016	6/28/2016	6/28/2016	6/28/2016	6/28/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/19/2016	2/22/2016	2/23/2016	
	Depth Interval (ft.)	0-5 ft	5-10 ft	0-5ft	5-10FT		0-5FT	5-10FT	0-5FT	5-10FT	U14S01S03A	U14S03BS05	U15S01S03A	U15S03BS05	U16S01S03A	U17S01S03A	U18S01S03A	
	Preliminary Disposal Facility Category	MCP Regulated	MCP Regulated	Hazardous	Hazardous		MCP Regulated	MCP Regulated	MCP Regulated	MCP Regulated	Hazardous	Hazardous	Hazardous	Hazardous	MCP Regulated	MCP Regulated	Hazardous	
		Type B-1	Type B-1	Material Type A	Material Type A		Type A	Type B-1	Type A	Type B-1	Material Type A	Material Type A	Material Type B	Material Type A	Type A	Type A	Material Type A	
Bromodichloromethane	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Bromoform	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Bromomethane	mg/kg	--	--	--	--		--	--	--	--	<0.0071	<0.0083	<0.0096	<0.0062	<0.0088	<0.0082	<0.0072	
Carbon Disulfide	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Carbon Tetrachloride	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Chlorobenzene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Chloroethane	mg/kg	--	--	--	--		--	--	--	--	<0.0071	<0.0083	<0.0096	<0.0072	<0.0088	<0.0082	<0.0072	
Chloroform	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Chloromethane	mg/kg	--	--	--	--		--	--	--	--	<0.0071	<0.0083	<0.0048	<0.0072	<0.0062	<0.0044	<0.0072	
cis-1,2-Dichloroethene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
cis-1,3-Dichloropropene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Dibromochloromethane	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0017	<0.0019	<0.0072	<0.0031	<0.0018	<0.0016	
Dibromomethane	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Dichlorodifluoromethane	mg/kg	--	--	--	--		--	--	--	--	<0.0071	<0.0083	<0.0096	<0.0036	<0.0062	<0.0088	<0.0072	
Diethyl Ether	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Di-isopropyl ether	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Ethyl tertiary-butyl ether	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Ethylbenzene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Hexachlorobutadiene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Isopropylbenzene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Methyl tert-Butyl Ether	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Methylene Chloride	mg/kg	--	--	--	--		--	--	--	--	<0.0071	<0.0083	<0.0096	<0.0072	<0.0062	<0.0088	<0.0072	
Naphthalene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	0.0052	<0.0036	<0.0031	<0.0044	<0.0036	
n-Butylbenzene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
n-Propylbenzene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
sec-Butylbenzene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Styrene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
tert-Butylbenzene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Tertiary-amyl methyl ether	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Tetrachloroethene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Tetrahydrofuran	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Toluene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
trans-1,2-Dichloroethene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
trans-1,3-Dichloropropene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Trichloroethene	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Trichlorofluoromethane	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Vinyl Chloride	mg/kg	--	--	--	--		--	--	--	--	<0.0071	<0.0083	<0.0096	<0.0072	<0.0062	<0.0088	<0.0072	
Xylene O	mg/kg	--	--	--	--		--	--	--	--	<0.0036	<0.0042	<0.0048	<0.0036	<0.0031	<0.0044	<0.0036	
Xylene P,M	mg/kg	--	--	--	--		--	--	--	--	<0.0071	<0.0083	<0.0096	<0.0072	<0.0062	<0.0088	<0.0072	
Xylenes (Total)	mg/kg	--	--	--	--		--	--	--	--	<0.0071	<0.0083	<0.0096	<0.0072	<0.0062	<0.0088	<0.0072	
Total VOCs	mg/kg	--	--	--	--		--	--	--	--	0	0	0.0052	0	0.0475	0	0	
SVOCs																		
1,2,4-Trichlorobenzene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
1,2-Dichlorobenzene	mg/kg	<0.821	<0.913	1.44	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
1,3-Dichlorobenzene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
1,4-Dichlorobenzene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.462	<0.528	<0.428	<0.469	<0.454	<0.482	ND	
2,4,5-Trichlorophenol	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2,4,6-Trichlorophenol	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2,4-Dichlorophenol	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2,4-Dimethylphenol	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2,4-Dinitrophenol	mg/kg	<4.12	<4.58	ND (4.12)	ND (4.79)		ND (4.18)	ND (5.11)	ND (4.64)	ND (4.44)	<4.62	<5.28	<4.28	<4.69	<4.54	<4.82	ND	
2,4-Dinitrotoluene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2,6-Dinitrotoluene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2-Chloronaphthalene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2-Chlorophenol	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2-Methylnaphthalene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2-Methylphenol	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
2-Nitrophenol	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
3,3'-Dichlorobenzidine	mg/kg	<1.65	<1.83	ND (1.65)	ND (1.91)		ND (1.67)	ND (2.04)	ND (1.85)	ND (1.77)	<1.85	<2.11	<1.71	<1.87	<1.81	<1.93	ND	
3+4-Methylphenol	mg/kg	<1.65	<1.83	ND (1.65)	ND (1.91)		ND (1.67)	ND (2.04)	ND (1.85)	ND (1.77)	<1.85	<2.11	<1.71	<1.87	<1.81	<1.93	ND	
4-Bromophenyl-phenylether	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
4-Chloroaniline	mg/kg	<1.65	<1.83	ND (1.65)	ND (1.91)		ND (1.67)	ND (2.04)	ND (1.85)	ND (1.77)	<1.85	<2.11	<1.71	<1.87	<1.81	<1.93	ND	
4-Nitrophenol	mg/kg	<4.12	<4.58	ND (4.12)	ND (4.79)		ND (4.18)	ND (5.11)	ND (4.64)	ND (4.44)	<4.62	<5.28	<4.28	<4.69	<4.54	<4.82	ND	
Acenaphthene	mg/kg	1.07	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
Acenaphthylene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	
Acetophenone	mg/kg	<1.65	<1.83	ND (1.65)	ND (1.91)		ND (1.67)	ND (2.04)	ND (1.85)	ND (1.77)	<1.85	<2.11	<1.71	<				

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Laboratory Sample Number Sampling Date Depth Interval (ft.) Preliminary Disposal Facility Category	SR-10 1606712 1606712-5 6/28/2016 0-5 ft MCP Regulated Type B-1	SR-10 1606712 1606712-6 6/28/2016 5-10 ft MCP Regulated Type B-1	SR-11 1606712 1606712-07 6/28/2016 0-5ft Hazardous Material Type A	SR-11 1606712 1606712-08 6/28/2016 5-10FT Hazardous Material Type A	SR-11 L1624514 L1624514-01 8/4/2016	SR-12 1606712 1606712-09 6/28/2016 0-5FT MCP Regulated Type A	SR-12 1606712 1606712-10 6/28/2016 5-10FT MCP Regulated Type B-1	SR-13 1606712 1606712-11 6/28/2016 0-5FT MCP Regulated Type A	SR-13 1606712 1606712-12 6/28/2016 5-10FT MCP Regulated Type B-1	U14 1602442 1602442-06 2/19/2016 U14S01S03A Hazardous Material Type A	U14 1602442 1602442-07 2/19/2016 U14S03BS05 Hazardous Material Type A	U15 1602442 1602442-08 2/19/2016 U15S01S03A Hazardous Material Type B	U15 1602442 1602442-09 2/19/2016 U15S03BS05 Hazardous Material Type A	U16 1602442 1602442-10 2/19/2016 U16S01S03A MCP Regulated Type A	U16 1602442 1602442-11 2/19/2016 U16S03BS05 MCP Regulated Type A	U17 1602485 1602485-01 2/22/2016 U17S01S03A Hazardous Material Type A	U17 1602485 1602485-02 2/22/2016 U17S03BS05 Hazardous Material Type A	U18 1602519 1602519-1 2/23/2016 U18s01s03A Hazardous Material Type A
Fluoranthene	mg/kg	11.7	1.31	2.97	7.32		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	1.01	<0.962	ND	ND	<1.72
Fluorene	mg/kg	1.06	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Hexachlorobenzene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.462	<0.528	<0.428	<0.469	<0.454	<0.482	ND	ND	<0.861
Hexachlorobutadiene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Hexachloroethane	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Indeno(1,2,3-cd)Pyrene	mg/kg	1.45	<0.913	ND (0.822)	1.34		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Isophorone	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Naphthalene	mg/kg	1.18	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Nitrobenzene	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
N-Nitrosodimethylamine	mg/kg	<0.821	<0.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Pentachlorophenol	mg/kg	<4.12	<4.58	ND (4.12)	ND (4.79)		ND (4.18)	ND (5.11)	ND (4.64)	ND (4.44)	<4.62	<5.28	<4.28	<4.69	<4.54	<0.962	ND	ND	<8.61
Phenanthrene	mg/kg	11.8	1.1	1.77	6.14		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<4.82	ND	ND	<1.72
Phenol	mg/kg	<0.821	<.913	ND (0.822)	ND (0.955)		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Pyrene	mg/kg	6.65	0.959	2.18	4.97		ND (0.834)	ND (1.02)	ND (0.925)	ND (0.886)	<0.921	<1.05	<0.853	<0.936	<0.905	<0.962	ND	ND	<1.72
Pyridine	mg/kg	<4.12	<4.58	ND (4.12)	ND (4.79)		ND (4.18)	ND (5.11)	ND (4.64)	ND (4.44)	--	--	--	--	--	--	ND	ND	--
Total SVOCs	mg/kg	59.914	5.979	14.78	38.404		0	0	0	0	0	0	0.449	0	2.136	1.07	0	ND	0
Classical Chemistry																			
Conductivity	umhos/cm	1120	1110	841	801		152	120	297	230	736	362	1020	364	956	748	830	723	1350
Corrosivity (pH)	S.U.	5.8	6.03	6.81	7.31		7.91	6.47	6.88	6.76	7.5	6.94	6.41	5.77	6.48	6.8	5.96	6.75	7.36
Flashpoint	*F	200	200	200	200		200	200	200	200	200	200	200	200	200	200	200	200	200
Reactive Cyanide	mg/kg	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Reactive Sulfide	mg/kg	<2	<2	<2	<2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 1\Tables\Table 3-Service Road Pre-Characterization Testing Results.xlsx\All Data

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Laboratory Sample Number Sampling Date Depth Interval (ft.) Preliminary Disposal Facility Category	U18	U19	U19	SPSR_S1	SPSR_S1	SPSR_S2	SPSR_S2	SPSR_S3	SPSR_S3	SPSR_S4	SPSR_S4	SPSR_S5	SPSR_S5	SPSR_S6	SPSR_S6	SPSR_S7	SPSR_S7
		1602519 1602519-2 2/23/2016 U18S03B505 Hazardous Material Type A	1602485 1602485-03 2/22/2016 U19S01S03A Hazardous Material Type A	1602485 1602485-04 2/22/2016 U19S03B205 Hazardous Material Type A	L1622644 L1622644-01 7/20/2016 Hazardous Material Type B	L162300 L162300-01 7/20/2016 Hazardous Material Type B	L1622644 L1622644-02 7/20/2016 Hazardous Material Type B	L162300 L162300-02 7/20/2016 Hazardous Material Type B	L1622644 L1622644-03 7/20/2016 Hazardous Material Type B	L162300 L162300-03 7/20/2016 Hazardous Material Type B	SPSR_S4 L1622644 L1622644-04 7/20/2016 MCP Regulated Type A	SPSR_S4 L162300 L162300-04 7/20/2016 MCP Regulated Type A	SPSR_S5 L1622644 L1622644-05 7/20/2016 Hazardous Material Type B	SPSR_S5 L162300 L162300-05 7/20/2016 Hazardous Material Type B	SPSR_S6 L1622644 L1622644-06 7/20/2016 Hazardous Material Type B	SPSR_S6 L162300 L162300-06 7/20/2016 Hazardous Material Type B	SPSR_S7 L1622644 L1622644-07 7/20/2016 Hazardous Material Type B	SPSR_S7 L162300 L162300-07 7/20/2016 Hazardous Material Type B
1,4-Dioxane - Screen	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2,2-Dichloropropane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Butanone	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Chlorotoluene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Hexanone	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4-Chlorotoluene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4-Isopropyltoluene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4-Methyl-2-Pentanone	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acetone	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Bromobenzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Bromochloromethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Bromodichloromethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Bromoform	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Bromomethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon Disulfide	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Carbon Tetrachloride	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chlorobenzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloroform	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chloromethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,2-Dichloroethene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
cis-1,3-Dichloropropene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibromochloromethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dibromomethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dichlorodifluoromethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Diethyl Ether	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Di-isopropyl ether	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Ethyl tertiary-butyl ether	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Ethylbenzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Hexachlorobutadiene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Isopropylbenzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methyl tert-Butyl Ether	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Methylene Chloride	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Naphthalene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	160	--	ND	--	ND	--
n-Butylbenzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
n-Propylbenzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
sec-Butylbenzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Styrene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
tert-Butylbenzene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tertiary-aryl methyl ether	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrachloroethene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Tetrahydrofuran	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Toluene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,2-Dichloroethene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
trans-1,3-Dichloropropene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichloroethene	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Trichlorofluoromethane	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Vinyl Chloride	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Xylene O	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Xylene P,M	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Xylenes (Total)	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Total VOCs	mg/kg	--	--	--	0	--	0	--	0	--	0	--	160	--	0	--	0	--
VOCs (Low Level Analysis)																		
1,1,1,2-Tetrachloroethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	<0.0017	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	mg/kg	<0.0861	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	mg/kg	<0.0861	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	<0.0861	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	<0.086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Sample ID Laboratory Work Order Laboratory Sample Number Sampling Date Depth Interval (ft.) Preliminary Disposal Facility Category	U18	U19	U19	SPSR_S1	SPSR_S1	SPSR_S2	SPSR_S2	SPSR_S3	SPSR_S3	SPSR_S4	SPSR_S4	SPSR_S5	SPSR_S5	SPSR_S6	SPSR_S6	SPSR_S7	SPSR_S7
		1602519 1602519-2 2/23/2016 U18S03BS05 Hazardous Material Type A	1602485 1602485-03 2/22/2016 U19S01S03A Hazardous Material Type A	1602485 1602485-04 2/22/2016 U19S03B205 Hazardous Material Type A	L1622644 L1622644-01 7/20/2016 Hazardous Material Type B	L162300 L162300-01 7/20/2016 Hazardous Material Type B	L1622644 L1622644-02 7/20/2016 Hazardous Material Type B	L162300 L162300-02 7/20/2016 Hazardous Material Type B	L1622644 L1622644-03 7/20/2016 Hazardous Material Type B	L162300 L162300-03 7/20/2016 Hazardous Material Type B	L1622644 L1622644-04 7/20/2016 MCP Regulated Type A	L162300 L162300-04 7/20/2016 MCP Regulated Type A	L1622644 L1622644-05 7/20/2016 Hazardous Material Type B	L162300 L162300-05 7/20/2016 Hazardous Material Type B	L1622644 L1622644-06 7/20/2016 Hazardous Material Type B	L162300 L162300-06 7/20/2016 Hazardous Material Type B	L1622644 L1622644-07 7/20/2016 Hazardous Material Type B	L162300 L162300-07 7/20/2016 Hazardous Material Type B
Bromodichloromethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/kg	<0.0086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	<0.0086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/kg	<0.0086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	<0.0017	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	mg/kg	<0.0086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl Ether	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-isopropyl ether	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl tertiary-butyl ether	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-Butyl Ether	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/kg	<0.0086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tertiary-amyl methyl ether	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/kg	<0.0086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene O	mg/kg	<0.0043	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene P,M	mg/kg	<0.0086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes (Total)	mg/kg	<0.0086	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total VOCs	mg/kg	0	0	0	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOCs																		
1,2,4-Trichlorobenzene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,2-Dichlorobenzene	mg/kg	<0.471	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,3-Dichlorobenzene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
1,4-Dichlorobenzene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2,4,5-Trichlorophenol	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2,4,6-Trichlorophenol	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2,4-Dichlorophenol	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2,4-Dimethylphenol	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2,4-Dinitrophenol	mg/kg	<4.71	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2,4-Dinitrotoluene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2,6-Dinitrotoluene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Chloronaphthalene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Chlorophenol	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Methylnaphthalene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	1.3	--	ND	--	ND	--
2-Methylphenol	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
2-Nitrophenol	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
3,3'-Dichlorobenzidine	mg/kg	<1.88	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
3+4-Methylphenol	mg/kg	<1.88	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4-Bromophenyl-phenylether	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4-Chloroaniline	mg/kg	<1.88	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
4-Nitrophenol	mg/kg	<4.71	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Acenaphthene	mg/kg	<0.94	ND	ND	ND	--	0.35	--	0.41	--	ND	--	2.5	--	1	--	ND	--
Acenaphthylene	mg/kg	<0.94	ND	ND	0.31	--	0.37	--	0.65	--	ND	--	0.52	--	0.44	--	0.31	--
Acetophenone	mg/kg	<1.88	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Aniline	mg/kg	<4.71	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Anthracene	mg/kg	<0.94	ND	ND	0.73	--	1.1	--	1.6	--	ND	--	6.1	--	2.8	--	1.2	--
Azobenzene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Benzo(a)anthracene	mg/kg	<0.94	ND	ND	1.5	--	2.2	--	3.2	--	0.18	--	7.8	--	4.2	--	1.5	--
Benzo(a)pyrene	mg/kg	<0.471	ND	ND	1.3	--	1.8	--	2.6	--	0.22	--	5.9	--	3.2	--	1.2	--
Benzo(b)fluoranthene	mg/kg	<0.94	ND	ND	2	--	2.8	--	4.6	--	0.28	--	8.7	--	4.9	--	1.8	--
Benzo(g,h,i)perylene	mg/kg	<0.94	ND	ND	0.84	--	1.2	--	1.8	--	ND	--	3.7	--	2.1	--	0.85	--
Benzo(k)fluoranthene	mg/kg	<0.94	ND	ND	0.6	--	0.94	--	1.3	--	ND	--	2.5	--	1.6	--	0.68	--
bis(2-Chloroethoxy)methane	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
bis(2-Chloroethyl)ether	mg/kg	<0.471	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
bis(2-chloroisopropyl)Ether	mg/kg	<0.471	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
bis(2-Ethylhexyl)phthalate	mg/kg	<0.94	ND	ND	14	--	10	--	25	--	0.38	--	8.8	--	10	--	7.7	--
Butylbenzylphthalate	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Chrysene	mg/kg	<0.471	ND	ND	1.4	--	2.2	--	3.2	--	0.17	--	6.7	--	4	--	1.5	--
Dibenzo(a,h)Anthracene	mg/kg	<0.471	ND	ND	0.24	--	0.36	--	0.53	--	ND	--	1	--	0.59	--	0.24	--
Dibenzofuran	mg/kg	<0.94	ND	ND	ND	--	0.4	--	0.57	--	ND	--	2.2	--	0.86	--	ND	--
Diethylphthalate	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Dimethylphthalate	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Di-n-butylphthalate	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Di-n-octylphthalate	mg/kg	<0.94	ND	ND	0.74	--	0.81	--	ND	--	ND	--	ND	--	0.91	--	0.58	--

TABLE 3
SERVICE ROAD PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Sample ID	U18	U19	U19	SPSR_S1	SPSR_S1	SPSR_S2	SPSR_S2	SPSR_S3	SPSR_S3	SPSR_S4	SPSR_S4	SPSR_S5	SPSR_S5	SPSR_S6	SPSR_S6	SPSR_S7	SPSR_S7
	Laboratory Work Order	1602519	1602485	1602485	L1622644	L162300	L1622644	L162300	L1622644	L162300	L1622644	L162300	L1622644	L162300	L1622644	L162300	L1622644	L162300
	Laboratory Sample Number	1602519-2	1602485-03	1602485-04	L1622644-01	L162300-01	L1622644-02	L162300-02	L1622644-03	L162300-03	L1622644-04	L162300-04	L1622644-05	L162300-05	L1622644-06	L162300-06	L1622644-07	L162300-07
	Sampling Date	2/23/2016	2/22/2016	2/22/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016	7/20/2016
	Depth Interval (ft.)	U18S03B505	U19S01S03A	U19S03B205														
	Preliminary Disposal Facility Category	Hazardous	Hazardous	Hazardous	Hazardous	Hazardous	Hazardous	Hazardous	Hazardous	Hazardous	Hazardous	MCP Regulated	MCP Regulated	Hazardous	Hazardous	Hazardous	Hazardous	Hazardous
		Material Type A	Material Type A	Material Type A	Material Type B	Material Type B	Material Type B	Material Type B	Material Type B	Material Type B	Type A	Type A	Material Type B	Material Type B	Material Type B	Material Type B	Material Type B	Material Type B
Fluoranthene	mg/kg	<0.94	ND	ND	3.1	--	4.4	--	6.4	--	0.35	--	15	--	8.6	--	3.1	--
Fluorene	mg/kg	<0.94	ND	ND	ND	--	0.43	--	0.62	--	ND	--	2.9	--	1.2	--	ND	--
Hexachlorobenzene	mg/kg	<0.471	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Hexachlorobutadiene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Hexachloroethane	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Indeno(1,2,3-cd)Pyrene	mg/kg	<0.94	ND	ND	0.88	--	1.2	--	1.8	--	0.18	--	3.5	--	2.1	--	0.88	--
Isophorone	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Naphthalene	mg/kg	<0.94	ND	ND	ND	--	0.76	--	0.83	--	ND	--	2.3	--	ND	--	0.58	--
Nitrobenzene	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
N-Nitrosodimethylamine	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Pentachlorophenol	mg/kg	<4.71	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Phenanthrene	mg/kg	<0.94	ND	ND	1.8	--	2.9	--	3.9	--	0.23	--	15	--	7.2	--	1.9	--
Phenol	mg/kg	<0.94	ND	ND	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Pyrene	mg/kg	<0.94	ND	ND	2.6	--	3.8	--	5.4	--	0.31	--	21	--	7	--	2.6	--
Pyridine	mg/kg	--	--	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Total SVOCs	mg/kg	0	0	0	32.04	--	38.02	--	64.41	--	2.3	--	117.42	--	62.7	--	26.62	--
Classical Chemistry																		
Conductivity	umhos/cm	749	1770	285	490	--	580	--	620	--	190	--	490	--	640	--	530	--
Corrosivity (pH)	S.U.	6.91	6.59	7.32	7.3	--	7.3	--	7.0	--	7.1	--	7.2	--	84.4	--	83.7	--
Flashpoint	°F	200	200	200	not ignitable	--	not ignitable	--	not ignitable	--	not ignitable	--	not ignitable	--	not ignitable	--	not ignitable	--
Reactive Cyanide	mg/kg	<2	<2	<2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--
Reactive Sulfide	mg/kg	<2	<2	<2	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--

TABLE 4
UTILITY CORRIDORS PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell Sample ID Laboratory Work Order Soil Distinction Soil Type Depth Interval (ft.) Sampling Date	U02	U02	U02	U03	U04	U05	U06	U07	U08	U08	U08	U08	U09	U09	U09	U09	U10	U10	UTP-3	UTP-4	UTP-5
		U0201502	U0205506	U0203504	U0301509	U0401510	U05015010	U0601510	U0701512	U85048505	U8506507	U8501502A	U85028504A	U9501502A	U95048505	U95028204A	U9506507	U10501505	U10506510	L1623868-01	L1623868-02	L1623868-03
		1602552	1602552	1602552	1602443	1602485	1602519	1602519	1602552	1602442	1602442	1602442	1602442	1602408	1602408	1602408	1602442	1602378	1602378	L1623868	L1623868	L1623868
		Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Natural Organics 6.6 - 10	Natural Organics 10 - 14	Fill	Fill	Fill	Natural Organics 6.6 - 10	Fill	Natural Organics 10 - 14	Fill	Natural Organics 10 - 20	0-15	0-15	0-15
		0 - 4 02/24/2016	8 - 10 02/24/2016	4 - 8 02/24/2016	0 - 18 02/18/2016	0 - 20 02/22/2016	0 - 20 02/23/2016	0 - 20 02/23/2016	0 - 23 02/24/2016	02/18/2016	02/18/2016	02/18/2016	02/18/2016	02/17/2016	02/17/2016	02/17/2016	02/17/2016	02/16/2016	02/16/2016	7/30/2016	7/30/2016	7/30/2016
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type B-1	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type B
RCRA 8 Metals																						
Antimony	mg/kg	<1.7	<1.99	0.76	2.21	<6.15	18.1	<4.64	<4.56	<6.73	<8.27	1.66	3.18	<4.37	<5.79	<5.57	<6.48	<4.95	<9.76	<2.4	7.7	140
Arsenic	mg/kg	26.3	21.4	60.5	47.8	55.5	803	260	228	33.1	11.8	52.1	110	4.97	38.9	41.8	48.4	37.3	35.7	33	62	410
Barium	mg/kg	35.7	35	49.6	45.5	69.6	31.8	18.7	21.6	21.1	33.2	50.5	75.8	20.3	34.2	49	28.5	56.6	40.2	63	100	150
Beryllium	mg/kg	0.2	0.59	0.11	0.16	0.4	0.23	0.15	0.24	0.36	0.64	0.3	<0.14	0.23	0.53	0.13	0.46	0.38	0.73	<0.24	0.65	<0.26
Cadmium	mg/kg	0.52	0.79	1.41	0.51	<0.61	<0.95	0.62	<0.46	<0.67	<0.83	0.67	1.52	<0.44	<0.58	<0.56	<0.65	0.63	<0.98	<0.48	3	10
Chromium	mg/kg	50.9	30.9	65.2	48.3	38.6	16	25.4	16.7	15.6	32.6	13.7	15.4	16.4	28.6	13.5	22	25	36.9	22	26	4.9
Lead	mg/kg	69.7	52	210	214	124	1890	194	50	28.7	9.34	95.4	154	23.7	139	140	112	171	76.1	230	1300	4800
Nickel	mg/kg	32.4	18.5	67.9	22.3	15.3	12.5	8.04	8.98	9.65	21	8.67	10.4	12.7	14.8	7.64	11.4	19.2	22	0.282	1.2	3.17
Selenium	mg/kg	<1.7	<1.99	1.92	<2.3	<3.07	60	<2.32	<2.28	<0.67	<0.83	3.74	4.66	<0.44	5.78	3.98	5.08	3.88	<4.88	9.4	18	2.1
Silver	mg/kg	2.37	1.09	3.35	3.43	1.83	1.22	1.04	1.28	<0.67	1.07	4.71	8.86	0.54	0.68	1.65	0.89	1.67	<0.98	<2.4	28	68
Mercury	mg/kg	0.178	0.525	1.53	0.224	1.21	96.8	0.873	0.225	0.187	<0.065	0.271	0.352	0.126	0.847	0.538	0.865	0.381	0.464	<0.48	2.6	8.8
Thallium	mg/kg	<1.7	<1.99	<0.5	<0.46	<0.61	<2.37	<2.32	<2.28	<0.67	<0.83	<0.43	<0.62	<0.44	<0.58	<1.39	<0.65	<0.5	<0.98	<2.4	<2.6	<2.6
Vanadium	mg/kg	21.5	26.9	0.93	14.4	31.8	37.3	26.5	15	18.6	40	19.5	<24.7	25.2	26.2	10.2	22.2	18.9	39.7	31	37	14
Zinc	mg/kg	59.8	487	717	110	255	145	62.3	209	65	55	96	226	39.8	125	94.3	89.4	127	91.3	58	1300	3300
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																						
Arsenic	mg/L	--	--	--	--	--	0.394	1.02	0.07	--	--	--	<0.050	--	--	--	--	--	--	--	--	<1
Cadmium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	--	--	0.635	<0.050	0.066	42.5	0.53	--	--	--	--	<0.050	--	0.3	0.056	0.401	0.158	--	<0.5	<0.5	24
Selenium	mg/L	--	--	--	--	--	<0.050	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	<0.5
Mercury	mg/L	--	--	--	--	--	0.00142	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides																						
2,4,5-T	mg/kg	<0.047	<0.065	<0.058	<0.011	<0.12	<0.05	<0.099	<0.058	<0.013	<0.019	<0.01	<0.013	<0.01	<0.013	<0.012	0.507	<0.011	<0.02	--	--	--
2,4-D	mg/kg	<0.23	<0.32	<0.29	<0.055	<0.594	<0.25	<0.5	<0.29	<0.066	<0.096	<0.051	<0.062	<0.049	<0.066	<0.06	<0.065	<0.057	<0.097	--	--	--
2,4-DB	mg/kg	<0.018	<0.024	<0.022	<0.055	<0.601	<0.019	<0.037	<0.022	<0.066	<0.097	<0.051	<0.063	<0.049	<0.067	<0.061	6.63	<0.057	<0.098	--	--	--
Dalapon	mg/kg	<0.023	<0.032	<0.029	<0.053	<0.575	<0.025	<0.05	<0.029	<0.064	<0.093	<0.049	<0.06	<0.047	<0.064	<0.058	<0.063	<0.055	<0.094	--	--	--
Dicamba	mg/kg	<0.07	<0.097	<0.086	<0.011	0.166	<0.074	<0.15	<0.087	<0.013	<0.019	<0.01	<0.012	<0.01	<0.013	<0.012	<0.013	<0.011	<0.019	--	--	--
Dichlorprop	mg/kg	<0.15	<0.21	<0.19	<0.055	1.07	<0.16	<0.32	<0.19	<0.066	<0.096	<0.051	<0.062	<0.049	<0.066	6.59	1.33	<0.057	<0.097	--	--	--
Dinoseb	mg/kg	<0.23	<0.32	<0.29	<0.055	<0.601	<0.25	<0.5														

TABLE 4
UTILITY CORRIDORS PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte		Precharacterization Cell	U02	U02	U02	U03	U04	U05	U06	U07	U08	U08	U08	U08	U09	U09	U09	U09	U10	U10	UTP-3	UTP-4	UTP-5
		Sample ID	U0201502	U0205506	U0203504	U0301509	U0401510	U05015010	U0601510	U7501512	U8504B505	U8506507	U8501502A	U8502B504A	U9501502A	U9504B505	U9502B204A	U9506507	U10501505	U10506510	L1623868-01	L1623868-02	L1623868-03
		Laboratory Work Order	1602552	1602552	1602552	1602443	1602485	1602519	1602519	1602552	1602442	1602442	1602442	1602442	1602408	1602408	1602408	1602442	1602378	1602378	L1623868	L1623868	L1623868
		Soil Distinction	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Natural Organics 6.6 - 10	Natural Organics 10 - 14	Fill	Fill	Fill	Natural Organics 6.6 - 10	Fill	Natural Organics 10 - 14	Fill	Natural Organics 10 - 20			
		Depth Interval (ft.)	0 - 4	8 - 10	4 - 8	0 - 18	0 - 20	0 - 20	0 - 20	0 - 23	6.6 - 10	10 - 14	0 - 3.3	3.3 - 6.6	0 - 3.3	6.6 - 10	3.3 - 6.6	10 - 14	0 - 10	10 - 20	0-15	0-15	0-15
		Sampling Date	02/24/2016	02/24/2016	02/24/2016	02/18/2016	02/22/2016	02/23/2016	02/23/2016	02/24/2016	02/18/2016	02/18/2016	02/18/2016	02/18/2016	02/17/2016	02/17/2016	02/17/2016	02/18/2016	02/16/2016	02/16/2016	7/30/2016	7/30/2016	7/30/2016
			1602552-18	1602552-20	1602552-19	1602443-18	1602443-20	1602519-10	1602519-11	1602552-17	1602442-04	1602442-05	1602442-02	1602442-03	1602408-03	1602408-05	1602408-04	1602442-01	1602378-04	1602378-05	MCP Regulated	Hazardous	Hazardous
Preliminary Disposal Facility Category			MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type B-1	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type B
1,3-Dichloropropane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane - Screen	mg/kg	-	-	-	<33.4	-	-	-	-	<56.7	-	<135	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	mg/kg	-	-	-	<0.836	-	-	-	-	<1.42	-	<3.38	-	-	-	-	-	-	-	-	-	-	-
O-Chlorotoluene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	mg/kg	-	-	-	<0.836	-	-	-	-	<1.42	-	<3.38	-	-	-	-	-	-	-	-	-	-	-
P-Chlorotoluene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
P-Isopropyltoluene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-Pentanone	mg/kg	-	-	-	<0.836	-	-	-	-	<1.42	-	<3.38	-	-	-	-	-	-	-	-	-	-	-
Acetone	mg/kg	-	-	-	<0.836	-	-	-	-	<1.42	-	<3.38	-	-	-	-	-	-	-	-	-	-	-
Benzene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Bromoform	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Carbon Tetrachloride	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Chloroform	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Diethyl Ether	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Di-isopropyl ether	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Ethyl tertiary-butyl ether	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676	-	-	-	-	-	-	-	-	-	-	-
Methyl tert Butyl Ether	mg/kg	-	-	-	<0.167	-	-	-	-	<0.284	-	<0.676											

TABLE 4
UTILITY CORRIDORS PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell Sample ID Laboratory Work Order Soil Distinction Soil Type Depth Interval (ft.) Sampling Date	U02	U02	U02	U03	U04	U05	U06	U07	U08	U08	U08	U08	U09	U09	U09	U09	U10	U10	UTP-3	UTP-4	UTP-5
		U0201502	U0205506	U0203504	U0301509	U0401510	U05015010	U0601510	U7501512	U85048505	U8506507	U8501502A	U85028504A	U9501502A	U95048505	U95028204A	U9506507	U10501505	U10506510	L1623868-01	L1623868-02	L1623868-03
		1602552	1602552	1602552	1602443	1602485	1602519	1602519	1602552	1602442	1602442	1602442	1602442	1602408	1602442	1602408	1602442	1602378	1602378	L1623868	L1623868	L1623868
		Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Natural Organics 6.6 - 10	Natural Organics 10 - 14	Fill	Fill	Fill	Natural Organics 6.6 - 10	Fill	Natural Organics 10 - 14	Fill	Natural Organics 10 - 20	0-15	0-15	0-15
		0 - 4	8 - 10	4 - 8	0 - 18	0 - 20	0 - 20	0 - 20	0 - 23	6.6 - 10	10 - 14	0 - 3.3	3.3 - 6.6	0 - 3.3	6.6 - 10	3.3 - 6.6	10 - 14	0 - 10	0 - 10	7/30/2016	7/30/2016	7/30/2016
		02/24/2016	02/24/2016	02/24/2016	02/18/2016	02/22/2016	02/23/2016	02/23/2016	02/23/2016	02/18/2016	02/18/2016	02/18/2016	02/18/2016	02/17/2016	02/17/2016	02/17/2016	02/17/2016	02/16/2016	02/16/2016	7/30/2016	7/30/2016	7/30/2016
		1602552-18	1602552-20	1602552-19	1602443-18	1602485-20	1602519-10	1602519-11	1602552-17	1602442-04	1602442-05	1602442-02	1602442-03	1602408-03	1602408-05	1602408-04	1602442-01	1602378-04	1602378-05			
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type B-1	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type B
Bromoform	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.0024	<0.003	<0.0032
Bromomethane	mg/kg	<0.0139	<0.0127	<0.0081	<0.0125	<0.0144	<0.0062	<0.0577	<0.0137	<0.0078	<0.0196	<0.0057	<0.0085	<0.0068	<0.0097	<0.0085	<0.0088	<0.0117	<0.0155	<0.0012	<0.0015	<0.0016
Carbon Disulfide	mg/kg	<0.0069	0.0065	<0.0041	<0.0063	0.0079	0.0224	0.0445	<0.0069	<0.0039	0.0333	<0.0029	<0.0042	<0.0034	<0.0048	0.0171	<0.0044	<0.0059	0.0154	<0.0024	<0.003	<0.0032
Carbon Tetrachloride	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00059	<0.00076	<0.0008
Chlorobenzene	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00059	<0.00076	<0.0008
Chloroethane	mg/kg	<0.0139	<0.0127	<0.0081	<0.0125	<0.0144	<0.0062	<0.0577	<0.0137	<0.0078	<0.0196	<0.0137	<0.0085	<0.0068	<0.0097	<0.0085	<0.0088	<0.0117	<0.0155	<0.0012	<0.0015	<0.0016
Chloroform	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00088	<0.0011	<0.0012
Chloromethane	mg/kg	<0.0139	<0.0127	<0.0081	<0.0125	<0.0144	<0.0062	<0.0577	<0.0137	<0.0078	<0.0196	<0.0137	<0.0085	<0.0068	<0.0097	<0.0085	<0.0088	<0.0117	<0.0155	<0.0024	<0.003	<0.0032
cis-1,2-Dichloroethene	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00059	<0.00076	<0.0008
cis-1,3-Dichloropropene	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00059	<0.00076	<0.0008
Dibromochloromethane	mg/kg	<0.0028	<0.0025	<0.0016	<0.0025	<0.0029	<0.0012	<0.0115	<0.0027	<0.0016	<0.0039	<0.0016	<0.0017	<0.0014	<0.0019	<0.0017	<0.0018	<0.0023	<0.0031	<0.00059	<0.00076	<0.0008
Dibromomethane	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00059	<0.00076	<0.0008
Dichlorodifluoromethane	mg/kg	<0.0139	<0.0127	<0.0081	<0.0125	<0.0144	<0.0062	<0.0577	<0.0137	<0.0078	<0.0196	<0.0137	<0.0085	<0.0068	<0.0097	<0.0085	<0.0088	<0.0117	<0.0155	<0.0059	<0.0076	<0.008
Diethyl Ether	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00029	<0.0038	<0.004
Di-isopropyl ether	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00024	<0.003	<0.0032
Ethyl tertiary-butyl ether	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00024	<0.003	<0.0032
Ethylbenzene	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.0031	<0.0289	<0.0069	<0.0039	<0.0098	<0.0029	<0.0042	<0.0034	<0.0048	<0.0043	<0.0044	<0.0059	<0.0078	<0.00059	<0.00076	<0.0008
Hexachlorobutadiene	mg/kg	<0.0069	<0.0064	<0.0041	<0.0063	<0.0072	<0.00															

TABLE 4
UTILITY CORRIDORS PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell		U02	U02	U02	U03	U04	U05	U06	U07	U08	U08	U08	U08	U09	U09	U09	U09	U10	U10	UTP-3	UTP-4	UTP-5
	Sample ID		U0201502	U0205506	U0203504	U0301509	U0401510	U05015010	U0601510	U7501512	U85048505	U8506507	U8501502A	U85028504A	U9501502A	U95048505	U95028204A	U9506507	U10501505	U10506510	L1623868-01	L1623868-02	L1623868-03
	Laboratory Work Order		1602552	1602552	1602552	1602443	1602485	1602519	1602519	1602552	1602442	1602442	1602442	1602442	1602408	1602408	1602408	1602442	1602378	1602378	L1623868	L1623868	L1623868
	Soil Distinction		Fill	Fill	Fill	Fill	Fill	Fill	Fill	Fill	Natural Organics	Natural Organics	Fill	Fill	Fill	Natural Organics	Natural Organics	Natural Organics	Fill	Natural Organics			
	Soil Type																						
Depth Interval (ft.)		0 - 4	8 - 10	4 - 8	0 - 18	0 - 20	0 - 20	0 - 20	0 - 20	0 - 23	6.6 - 10	10 - 14	0 - 3.3	3.3 - 6.6	0 - 3.3	6.6 - 10	3.3 - 6.6	10 - 14	0 - 10	10 - 20	0-15	0-15	0-15
Sampling Date		02/24/2016	02/24/2016	02/24/2016	02/18/2016	02/22/2016	02/23/2016	02/23/2016	02/23/2016	02/24/2016	02/18/2016	02/18/2016	02/18/2016	02/18/2016	02/17/2016	02/17/2016	02/17/2016	02/18/2016	02/16/2016	02/16/2016	7/30/2016	7/30/2016	7/30/2016
		1602552-18	1602552-20	1602552-19	1602443-18	1602485-20	1602519-10	1602519-11	1602552-17	1602442-04	1602442-05	1602442-02	1602442-03	1602408-03	1602442-05	1602408-04	1602442-01	1602378-04	1602378-05				
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type B-1	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type B	
Hexachloroethane Indeno(1,2,3-cd)Pyrene Isophorone Naphthalene Nitrobenzene N-Nitrosodimethylamine Pentachlorophenol Phenanthrene Phenol Pyrene Pyridine	mg/kg	<0.91	<1.28	<1.04	<0.981	<1.08	<2	<0.932	<1.01	<1.21	<1.67	<0.874	<1.03	<0.854	<1.2	<2.04	<1.1	<0.95	<1.62	--	--	--	
	mg/kg	<0.91	<1.28	<1.04	<0.981	4.8	2.3	<0.932	<1.01	<1.21	<1.67	1.7	<1.03	<0.854	<1.2	<2.04	<1.1	1.02	<1.62	0.39	0.48	0.26	
	mg/kg	<0.91	<1.28	<1.04	<0.981	<1.08	<2	<0.932	<1.01	<1.21	<1.67	<0.874	<1.03	<0.854	<1.2	<2.04	<1.1	<0.95	<1.62	--	--	--	
	mg/kg	<0.91	<1.28	<1.04	<0.981	3.4	<2	8.92	<1.01	<1.21	<1.67	<0.874	<1.03	<0.854	<1.2	2.08	<1.1	<0.95	<1.62	0.24	<0.22	<0.22	
	mg/kg	<0.91	<1.28	<1.04	<0.981	<1.08	<2	<0.932	<1.01	<1.21	<1.67	<0.874	<1.03	<0.854	<1.2	<2.04	<1.1	<0.95	<1.62	--	--	--	
	mg/kg	<0.91	<1.28	<1.04	<0.981	<1.08	<2	<0.932	<1.01	<1.21	<1.67	<0.874	<1.03	<0.854	<1.2	<2.04	<1.1	<0.95	<1.62	--	--	--	
	mg/kg	<4.57	<6.41	<5.19	<4.92	<5.39	<10	<4.67	<5.04	<6.05	<8.4	<4.38	<5.15	<4.28	<6.01	<10.3	<5.5	<4.76	<8.14	--	--	--	
	mg/kg	<0.91	<1.28	<1.04	<0.981	37.8	4.92	13	9.92	<1.21	<1.67	1.2	<1.03	<0.854	<1.2	2.43	<1.1	3.4	<1.62	1.5	1.2	0.46	
	mg/kg	<0.91	<1.28	<1.04	<0.981	<1.08	<2	<0.932	<1.01	<1.21	<1.67	<0.874	<1.03	<0.854	<1.2	<2.04	<1.1	<0.95	<1.62	--	--	--	
	mg/kg	<0.91	<1.28	<1.04	<0.981	24.2	7.17	5.81	6.92	<1.21	<1.67	4.21	<1.03	0.967	<1.2	<2.04	<1.1	4.91	<1.62	1.7	1.5	0.72	
Total SVOCs	mg/kg	2.279	ND	ND	ND	201.71	46.48	65.89	45.13	ND	ND	29.425	ND	13.091	ND	9.06	1.77	25.883	ND	9.53	16.02	4.2	
Classic Chemistry																							
Corrosivity (pH)	S.U.	8.19	6.2	6.77	6.93	8.18	7.12	7.09	7.07	7.11	8.31	8.06	6.36	8.41	6.42	5.36	7.64	7.57	7.75	4.3	5.9	7.1	
Conductivity	umhos/cm	389	1500	423	2070	3110	1750	853	2620	984	5460	256	186	300	2500	1470	3010	1700	7000	350	250	560	
Flashpoint	°F	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	>150	>150	>150	
Reactive Cyanide	mg/kg	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<10	<10	
Reactive Sulfide	mg/kg	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<10	<10	<10	

Everett, Massachusetts

Precharacterization Cell		UTP-6	UTP-7	UTP-8	UTP-9	UTP-10	UTP-11	UTP-12	UTP-13	UTP-14	UTP-15	UTP-16	UTP-17	UTP-18	UTP-19	UTP-20	UTP-21	UTP-22	UTP-23	UTP-24	UTP-25	
Analyte	Sample ID	L1623868-04	L1623868-05	L1623868-06	L1623868-07	L1623868-08	L1624003-03	L1624003-04	L1624003-05	L1624003-06	L1624003-07	L1624003-08	L1624003-09	L1624003-10	L1624003-11	L1624003-12	L1624003-13	L1624003-14	L1624003-15	L1624003-16	L1624694-01	
	Laboratory Work Order	L1623868	L1623868	L1623868	L1623868	L1623868	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	
	Soil Distinction	Soil Type																				
	Depth Interval (ft.)	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	
	Sampling Date	7/30/2016	7/30/2016	7/30/2016	7/30/2016	7/30/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/8/2016	
Preliminary Disposal Facility Category		Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A
RCRA 8 Metals																						
Antimony	mg/kg	64	22	3.2	32	3.5	10	8.1	7.3	53	<2.6	3.3	7.1	24	20	10	2.3	22	13	3.4	<2.5	
Arsenic	mg/kg	370	140	60	110	34	430	370	300	630	160	230	43	84	140	60	170	200	64	35	26	
Barium	mg/kg	110	100	38	55	45	69	70	80	88	32	76	90	86	26	34	29	100	62	18	7.6	
Beryllium	mg/kg	<0.27	<0.25	<0.27	0.4	<0.28	1.7	0.77	0.72	1.1	<0.26	0.38	<0.26	0.49	<0.23	<0.25	0.32	0.58	<0.22	<0.24	<0.25	
Cadmium	mg/kg	1.3	0.96	<0.54	0.81	<0.57	4.2	1.7	2.3	5.9	1.7	2.4	2.5	33	0.76	1	<0.45	<0.48	<0.44	1.4	<0.5	
Chromium	mg/kg	16	17	24	27	44	79	64	39	47	25	28	21	28	19	23	26	45	16	12	22	
Lead	mg/kg	1600	1100	240	1900	280	670	420	400	860	83	260	190	840	270	120	69	830	520	130	17	
Nickel	mg/kg	1.17	5.96	0.756	1.36	1.36	0.87	1.48	2.06	3.43	0.394	2.1	0.463	1.27	0.761	0.401	0.996	6.05	2.55	0.986	<0.086	
Selenium	mg/kg	14	9.4	15	14	26	41	23	31	30	13	8.8	3.5	12	8.7	13	17	21	7	8.6	10	
Silver	mg/kg	3.3	22	<2.7	10	4	5.8	43	<2.8	6.4	<2.6	4.2	<2.6	3.1	<2.3	5.3	2.2	8.1	10	<2.4	<2.5	
Mercury	mg/kg	3.9	4.1	0.55	1.5	<0.57	3.1	1.6	2.9	3.6	1.3	3.7	4.9	6.9	2.3	0.76	<0.45	1.6	1.9	<0.47	<0.5	
Thallium	mg/kg	<2.7	<2.5	<2.7	<2.6	<2.8	<2.8	4.1	<2.8	<2.8	<2.6	<3.2	<2.6	<2.8	2.4	<2.5	<2.2	<2.4	<2.2	<2.4	<2.5	
Vanadium	mg/kg	24	0.51	32	28	36	75	58	51	37	14	29	16	30	39	49	30	58	25	16	21	
Zinc	mg/kg	560	2.5	77	140	83	530	200	610	6000	510	740	220	580	180	110	73	200	92	240	88	
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																						
Arsenic	mg/L	<1	<1	--	<1	--	<1	<1	<1	<1	<1	<1	--	--	<1	--	<1	<1	--	--	--	
Cadmium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	<0.1	--	--	--	--	--	--	--	
Chromium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Lead	mg/L	<0.5	1.2	<0.5	12	<0.5	<0.5	<0.5	<0.5	<0.5	--	0.75	<0.5	13	<0.5	<0.5	--	0.61	1.3	<0.5	--	
Selenium	mg/L	--	<0.5	--	--	--	--	<0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	
Mercury	mg/L	--	<0.001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.001	--	--	--	
Herbicides																						
2,4,5-T	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-D	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,4-DB	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dalapon	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dicamba	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dichlorprop	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dinoseb	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MCPA	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MCP	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Silvex (2,4,5-TP)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pesticides																						
4,4'-DDD	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4,4'-DDE	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4,4'-DDT	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Aldrin	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
alpha-BHC	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
beta-BHC	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chlordane (technical)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
delta-BHC	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dieldrin	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endosulfan I	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endosulfan II	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endosulfan sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endrin	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Endrin ketone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
gamma-BHC (Lindane)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Heptachlor	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Heptachlor epoxide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Methoxychlor	mg/kg	<0.192	<0.192	<0.196	<0.196	<0.208	<0.209	<0.218	<0.212	<0.211	<0.193	<0.246	<0.186	<0.206	<0.171	<0.187	<0.167	<0.182	<0.169	<0.179	--	
Toxaphene																					<0.185	
Polychlorinated Biphenyls																						
Aroclor 1016	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	<0.0441	<0.0379	<0.0397	<0.0366	<0.195	<0.0748	<0.0392	<0.408	
Aroclor 1221	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	<0.0441	<0.0379	<0.0397	<0.0366	<0.195	<0.0748	<0.0392	<0.408	
Aroclor 1232	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	<0.0441	<0.0379	<0.0397	<0.0366	<0.195	<0.0748	<0.0392	<0.408	
Aroclor 1242	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	<0.0441	<0.0379	<0.0397	<0.0366	<0.195	0.086	<0.0392	<0.408	
Aroclor 1248	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	<0.0441	<0.0379	<0.0397	<0.0366	<0.195	<0.0748	<0.0392	<0.408	
Aroclor 1254	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	0.0619	<0.0379	<0.0397	0.0546	1.68	0.822	0.271	<0.408	
Aroclor 1260	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	<0.0441	<0.0379	<0.0397	<0.0366	0.448	0.3	<0.0392	<0.408	
Aroclor 1262	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	<0.0441	<0.0379	<0.0397	0.0516	<0.195	<0.0748	<0.0392	<0.408	
Aroclor 1268	mg/kg	<0.0428	<0.0421	<0.0455	<0.0428	<0.0464	<0.0453	<0.0481	<0.0463	<0.0456	<0.043	<0.0521	<0.0416	<0.0441	<0.0379	<0.0397	<0.0366	<0.195	<0.0748	<0.0392	<0.408	
Total PCBs	mg/kg	0	0	0	0	0	0	0	0	0	0	0	0	0.0619	0	0	0.1062	2.128	1.208	0.271	0	
Total Petroleum Hydrocarbons																						
Hydrocarbons	mg/kg																					
Volatile Organic Compounds (VOCs)																						
1,1,1,2-Tetrachloroethane	mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,1,1-Trichloroethane	mg/kg	-	-	-																		

J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 1\Tables\Table 4-Utility Corridors Pre-Characterization Testing Results.xlsx\All Data

TABLE 4
UTILITY CORRIDORS PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell Sample ID Laboratory Work Order Soil Distinction Soil Type Depth Interval (ft.) Sampling Date	UTP-6 L1623868-04 L1623868	UTP-7 L1623868-05 L1623868	UTP-8 L1623868-06 L1623868	UTP-9 L1623868-07 L1623868	UTP-10 L1623868-08 L1623868	UTP-11 L1624003-03 L1624003	UTP-12 L1624003-04 L1624003	UTP-13 L1624003-05 L1624003	UTP-14 L1624003-06 L1624003	UTP-15 L1624003-07 L1624003	UTP-16 L1624003-08 L1624003	UTP-17 L1624003-09 L1624003	UTP-18 L1624003-10 L1624003	UTP-19 L1624003-11 L1624003	UTP-20 L1624003-12 L1624003	UTP-21 L1624003-13 L1624003	UTP-22 L1624003-14 L1624003	UTP-23 L1624003-15 L1624003	UTP-24 L1624003-16 L1624003	UTP-25 L1624694-01 L1624694	
		0-15 7/30/2016	0-15 7/30/2016	0-15 7/30/2016	0-15 7/30/2016	0-15 7/30/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	0-15 8/1/2016	
Preliminary Disposal Facility Category		Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material A	Hazardous Material A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A
Bromoform	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.002	--	--
Bromomethane	mg/kg	<0.0013	<0.0011	<0.0017	<0.0016	<0.0014	<0.0017	<0.0018	<0.0016	<0.0016	<0.0015	<0.0023	<0.0014	<0.0016	<0.13	<0.0015	<0.13	<0.0014	<0.12	<0.001	--	--
Carbon Disulfide	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	0.0055	0.013	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.002	0.0036	--
Carbon Tetrachloride	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Chlorobenzene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Chloroethane	mg/kg	<0.0013	<0.0011	<0.0017	<0.0016	<0.0014	<0.0017	<0.0018	<0.0016	<0.0016	<0.0015	<0.0023	<0.0014	<0.0016	<0.13	<0.0015	<0.13	<0.0014	<0.12	<0.001	--	--
Chloroform	mg/kg	<0.00095	<0.00086	<0.0013	<0.0012	<0.001	<0.0013	<0.0014	<0.0012	<0.0012	<0.0011	<0.0017	<0.0011	<0.0012	<0.096	<0.0012	<0.098	<0.001	<0.091	<0.00075	--	--
Chloromethane	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.002	--	--
cis-1,2-Dichloroethene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
cis-1,3-Dichloropropene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Dibromochloromethane	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Dibromomethane	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.002	--	--
Dichlorodifluoromethane	mg/kg	<0.0063	<0.0057	<0.0085	<0.0081	<0.0068	<0.0086	<0.009	<0.0079	<0.0082	<0.0076	<0.011	<0.0087	<0.0078	<0.64	<0.0077	<0.66	<0.0069	<0.61	<0.005	--	--
Diethyl Ether	mg/kg	<0.0032	<0.0028	<0.0042	<0.004	<0.0034	<0.0043	<4.5	<0.004	<0.0041	<0.0036	<0.0056	<0.0036	<0.0039	<0.32	<0.0031	<0.33	<0.0035	<0.3	<0.025	<0.004	--
Di-isopropyl ether	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.02	<0.0032	--
Ethyl tertiary-butyl ether	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.02	<0.0032	--
Ethylbenzene	mg/kg	<0.00063	0.0017	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Hexachlorobutadiene	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.002	--	--
Isopropylbenzene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Methyl tert Butyl Ether	mg/kg	<0.0013	<0.0011	<0.0017	<0.0016	<0.0014	<0.0017	<0.0018	<0.0016	<0.0016	<0.0015	<0.0023	<0.0014	<0.0016	<0.13	<0.0015	<0.13	<0.0014	<0.12	<0.001	--	--
Methylene Chloride	mg/kg	<0.0063	<0.0057	<0.0085	<0.0081	<0.0068	<0.0086	<0.009	<0.0079	<0.0082	<0.0076	<0.011	<0.0087	<0.0078	<0.64	<0.0077	<0.66	<0.0069	<0.61	<0.005	--	--
Naphthalene	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	4.8	<0.0031	0.54	0.0086	1.2	<0.002	--	--
n-Butylbenzene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
n-Propylbenzene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
sec-Butylbenzene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Styrene	mg/kg	<0.0013	<0.0011	<0.0017	<0.0016	<0.0014	<0.0017	<0.0018	<0.0016	<0.0016	<0.0015	<0.0023	<0.0014	<0.0016	<0.13	<0.0015	<0.13	<0.0014	<0.12	<0.001	--	--
tert-Butylbenzene	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.002	--	--
Tertiary-amyl methyl ether	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.02	<0.0032	--
Tetrachloroethene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Tetrahydrofuran	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.002	--	--
Toluene	mg/kg	<0.00095	0.0031	<0.0013	<0.0012	<0.001	<0.0013	<0.0014	<0.0012	<0.0012	<0.0011	<0.0017	<0.0011	<0.0012	<0.096	<0.0012	<0.098	<0.001	<0.091	<0.00075	--	--
trans-1,2-Dichloroethene	mg/kg	<0.00095	<0.00086	<0.0013	<0.0012	<0.001	<0.0013	<0.0014	<0.0012	<0.0012	<0.0011	<0.0017	<0.0011	<0.0012	<0.096	<0.0012	<0.098	<0.001	<0.091	<0.00075	--	--
trans-1,3-Dichloropropene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Trichloroethene	mg/kg	<0.00063	<0.00057	<0.00085	<0.00081	<0.00068	<0.00086	<0.0009	<0.00079	<0.00082	<0.00076	<0.0011	<0.00073	<0.00078	<0.064	<0.00077	<0.066	<0.00069	<0.061	<0.0005	--	--
Trichlorofluoromethane	mg/kg	<0.0025	<0.0023	<0.0034	<0.0032	<0.0027	<0.0034	<0.0036	<0.0032	<0.0033	<0.003	<0.0045	<0.0029	<0.0031	<0.26	<0.0031	<0.26	<0.0028	<0.24	<0.002	--	--
Vinyl Chloride	mg/kg	<0.0013	<0.0011	<0.0017	<0.0016	<0.0014	<0.0017	<0.0018	<0.0016	<0.0016	<0.0015	<0.0023	<0.0014	<0.0016	<0.13	<0.0015	<0.13	<0.0014	<0.12	<0.001	--	--
o-Xylene	mg/kg	<0.0013	0.0011	<0.0017	<0.0016	<0.0014	<0.0017	<0.0018	<0.0016	<0.0016	<0.0015	<0.0023	<0.0014	<0.0016	<0.13	<0.0015	<0.13	<0.0014	<0.12	<0.001	--	--
p/m-Xylene	mg/kg	<0.0013	0.0043	<0.0017	<0.0016	<0.0014	<0.0017	<0.0018	<0.0016	<0.0016	<0.0015	<0.0023	<0.0014	<0.0016	<0.13	<0.0015	<0.13	<0.0014	<0.12	<0.001	--	--
Xylenes, Total	mg/kg	<0.0013	0.0054	<0.0017	<0.0016	<0.0014	<0.0017	<0.0018	<0.0016	<0.0016	<0.0015	<0.0023	<0.0014	<0.0016	<0.13	<0.0015	<0.13	<0.0014	<0.12	<0.001	--	--

TABLE 4
UTILITY CORRIDORS PRE-CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte		Precharacterization Cell	UTP-6	UTP-7	UTP-8	UTP-9	UTP-10	UTP-11	UTP-12	UTP-13	UTP-14	UTP-15	UTP-16	UTP-17	UTP-18	UTP-19	UTP-20	UTP-21	UTP-22	UTP-23	UTP-24	UTP-25
		Sample ID	L1623868-04	L1623868-05	L1623868-06	L1623868-07	L1623868-08	L1624003-03	L1624003-04	L1624003-05	L1624003-06	L1624003-07	L1624003-08	L1624003-09	L1624003-10	L1624003-11	L1624003-12	L1624003-13	L1624003-14	L1624003-15	L1624003-16	L1624694-01
		Laboratory Work Order	L1623868	L1623868	L1623868	L1623868	L1623868	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624003	L1624694
		Soil Distinction																				
		Soil Type																				
		Depth Interval (ft.)	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15
		Sampling Date	7/30/2016	7/30/2016	7/30/2016	7/30/2016	7/30/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/8/2016
Preliminary Disposal Facility Category			Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	MCP Regulated Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type B	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material Type A	Hazardous Material A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)Pyrene	mg/kg	0.18	0.75	0.21	0.34	0.62	<0.18	0.26	0.34	<0.18	<0.17	<0.21	<0.17	0.91	5.4	<0.17	0.42	0.69	0.81	<0.16	--	
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	mg/kg	<0.22	0.43	<0.22	<0.21	0.23	<0.23	<0.25	<0.23	<0.23	<0.22	<0.27	<0.21	0.63	7.6	0.22	0.47	0.51	1	<0.2	--	
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N-Nitrosodimethylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Phenanthrene	mg/kg	0.32	3.6	0.38	0.83	3.4	<0.14	0.47	0.94	0.44	<0.13	<0.16	<0.13	2.2	36	0.27	0.71	1.9	3	<0.12	--	
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Pyrene	mg/kg	0.48	2.6	0.58	1	2.7	<0.14	0.74	1.2	0.54	0.18	0.33	0.21	3.2	27	0.34	0.95	2.6	3.4	0.21	--	
Pyridine	mg/kg	<0.87	<1.7	<0.9	<0.86	<0.92	<0.92	<1	<0.94	<0.92	<0.86	<1.1	<0.85	<0.92	<3.8	<0.84	<0.76	<0.8	<0.75	<0.79	--	
Total SVOCs	mg/kg	2.72	18.18	3.23	5.9	16.72	0	4.46	6.84	2.7	0.38	1.23	0.55	20.7	187.7	2.01	7.26	15.98	22.6	1.06	0	
Classic Chemistry																						
Corrosivity (pH)	S.U.	7.2	7.4	7.3	7.1	5.5	6.8	6.4	6	5	6.7	6.4	4.7	6.8	7.1	6.2	7.2	7.3	7.3	7.8	7.7	
Conductivity	umhos/cm	56	140	120	550	120	1200	1500	540	600	550	210	550	120	1600	600	890	430	930	200	1600	
Flashpoint	°F	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	
Reactive Cyanide	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Reactive Sulfide	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	

TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell Sample ID Laboratory Work Order Soil Distinction Soil Type Depth Interval (ft.) Sampling Date	Stockpile 1 SP01S02 1503163 Fill 3/10/2015	Stockpile 1 SP01S03 1503163 Fill 3/10/2015	Stockpile 1 SP01S04 1503163 Fill 3/10/2015	Stockpile 1 SP01S01 1503163 Fill 3/10/2015	Stockpile 2 SP02S01 1503163 Fill 3/10/2015	Stockpile 2 SP02S02 1503163 Fill 3/10/2015	Stockpile 2 SP02S03 1503163 Fill 3/10/2015	Stockpile 2 SP02S04 1503163 Fill 3/10/2015	Stockpile 3 SP03S04 1503163 Fill 3/10/2015	Stockpile 3 SP03S07 1503163 Fill 3/10/2015	Stockpile 3 SP03S08 1503163 Fill 3/10/2015	Stockpile 3 SP03S01 1503163 Fill 3/10/2015	Stockpile 3 SP03S02 1503163 Fill 3/10/2015	Stockpile 3 SP03S03 1503163 Fill 3/10/2015	Stockpile 3 SP03S05 1503163 Fill 3/10/2015	Stockpile 3 SP03S06 1503163 Fill 3/10/2015	Stockpile 4 SP04S02 1503212 Fill 3/11/2015	Stockpile 4 SP04S03 1503212 Fill 3/11/2015	Stockpile 4 SP04S04 1503212 Fill 3/11/2015
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	MCP Regulated Type B-1	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A
RCRA 8 Metals	Units	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony, Total	mg/kg	--	--	7.48	<7.09	8.51	8.13	14.3	12.3	24.4	22.8	21.3	15.7	18.2	14.3	6.24	16.4	13.6	9.52	10.9
Arsenic, Total	mg/kg	<6.33	<7.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium, Total	mg/kg	11.9	17.8	67.8	18.4	76	84.9	287	210	62.8	34.2	30.7	37.3	60	44.9	47.1	37.2	49.6	41.5	44.3
Beryllium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium, Total	mg/kg	<1.27	<1.43	<1.36	<1.42	<1.48	<1.29	2.85	1.69	<1.66	<1.61	<1.32	<1.46	<1.66	<1.56	<1.21	<1.63	<1.42	<1.41	<1.45
Chromium, Total	mg/kg	6.79	11.6	18.6	10.9	38	34.6	120	96.1	30.5	34.4	27.9	31.5	31.4	36.2	37.4	23.5	21.3	22.1	--
Lead, Total	mg/kg	<12.7	17.8	161	20.7	610	1100	8500	6240	106	52	46.4	51.3	101	102	64.8	63.8	205	205	123
Nickel, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium, Total	mg/kg	<6.33	<7.16	<6.80	<7.09	<7.39	<6.47	<5.97	<7.76	<8.31	<8.04	<6.61	<7.29	<8.31	<7.80	<6.07	<8.14	<7.09	<7.03	<7.25
Silver, Total	mg/kg	<1.27	<1.43	<1.36	<1.42	<1.48	<1.29	<2.99	<1.55	<1.66	<1.61	<1.32	<1.46	<1.66	<1.56	<1.21	<1.63	<1.42	<1.41	<1.45
Mercury, Total	mg/kg	<0.033	<0.029	0.27	<0.035	0.172	0.113	0.797	0.662	0.192	0.16	0.147	0.155	0.168	0.181	0.08	0.187	0.537	0.335	0.38
Thallium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																				
Arsenic	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/L	--	--	--	--	--	--	<0.200	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/L	--	--	<0.500	--	<0.500	<0.500	<0.500	0.698	<0.500	--	--	--	<0.500	<0.500	--	--	<0.500	<0.500	<0.500
Selenium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides																				
2,4,5-T	mg/kg	<0.53	<0.53	<0.56	<0.51	<0.25	<0.35	<0.27	<0.27	<0.063	<0.057	<0.059	<0.055	<0.066	<0.060	<0.055	<0.064	<0.056	<0.054	<0.057
2,4-D	mg/kg	<0.53	<0.53	<0.56	<0.51	<0.25	<0.35	<0.27	<0.27	<0.063	<0.057	<0.059	<0.055	<0.066	<0.060	<0.055	<0.064	<0.056	<0.054	<0.057
2,4-DB	mg/kg	<0.53	<0.53	<0.56	<0.51	<0.25	<0.35	<0.27	<0.27	<0.063	<0.057	<0.059	<0.055	<0.066	<0.060	<0.055	<0.064	<0.056	<0.054	<0.057
Dalapon	mg/kg	<6.4	<6.3	<6.8	<6.1	<3.0	<4.2	<3.2	<3.3	<0.75	<0.69	<0.71	<0.66	<0.79	<0.72	<0.66	<0.77	<0.68	<0.65	<0.69
Dicamba	mg/kg	<0.53	<0.53	<0.56	<0.51	<0.25	<0.35	<0.27	<0.27	<0.063	<0.057	<0.059	<0.055	<0.066	<0.060	<0.055	<0.064	<0.056	<0.054	<0.057
Dichloroprop	mg/kg	<0.53	<0.53	<0.56	<0.51	<0.25	<0.35	<0.27	<0.27	<0.063	<0.057	<0.059	<0.055	<0.066	<0.060	<0.055	<0.064	<0.056	<0.054	<0.057
Dinoseb	mg/kg	<3.2	<3.2	<3.4	<3.1	<2.1	<1.6	<1.7	<1.7	<0.38	<0.34	<0.36	<0.33	<0.40	<0.36	<0.33	<0.39	<0.34	<0.33	<0.35
MCPA	mg/kg	<130	<130	<140	<120	<61	<83	<64	<66	<15	<14	<14	<13	<16	<14	<13	<15	<14	<13	<14
MCPP	mg/kg	<130	<130	<140	<120	<61	<83	<64	<66	<15	<14	<14	<13	<16	<14	<13	<15	<14	<13	<14
Silvex (2,4,5-TP)	mg/kg	<0.53	<0.53	<0.56	<0.51	<0.25	<0.35	<0.27	<0.27	<0.063	<0.057	<0.059	<0.055	<0.066	<0.060	<0.055	<0.064	<0.056	<0.054	<0.057
Pesticides																				
4,4'-DDD	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	0.011	0.018	0.016	<0.0096	0.013	<0.0020	<0.0095	<0.0038
4,4'-DDE	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	0.018	0.062	0.054	0.051	0.13	0.07	<0.0096	0.062	<0.0020	<0.0095	<0.0038
4,4'-DDT	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	0.013	0.033	0.039	0.022	0.13	0.035	<0.0096	0.025	<0.0020	<0.0095	<0.0038
Aldrin	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
alpha-BHC	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
beta-BHC	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Chlordane (technical)	mg/kg	<0.36	<0.36	<0.76	<1.5	<0.18	<0.48	<0.39	<0.40	<0.11	<0.10	<0.11	<0.097	<0.11	<0.11	<0.096	<0.11	<0.020	<0.095	<0.038
delta-BHC	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Dieldrin	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Endosulfan I	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Endosulfan II	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Endosulfan sulfate	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Endrin	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Endrin ketone	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
gamma-BHC (Lindane)	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Heptachlor	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Heptachlor epoxide	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Hexachlorobenzene	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Methoxychlor	mg/kg	<0.036	<0.036	<0.076	<0.15	<0.018	<0.048	<0.039	<0.040	<0.011	<0.010	<0.011	<0.0097	<0.011	<0.011	<0.0096	<0.011	<0.0020	<0.0095	<0.0038
Toxaphene																				
Polychlorinated Biphenyls																				
Aroclor 1016	mg/kg	<0.128	<0.132	<0.116	<0.132	<0.128	<0.141	<0.140	<0.134	<0.141	<0.145	<0.144	<0.137	<0.156	<0.140	<0.126	<0.140	<0.134	<0.139	<0.142
Aroclor 1221	mg/kg	&																		

TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell	Stockpile 1	Stockpile 1	Stockpile 1	Stockpile 1	Stockpile 2	Stockpile 2	Stockpile 2	Stockpile 2	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 4	Stockpile 4	Stockpile 4
	Sample ID	SP01S02	SP01S03	SP01S04	SP01S01	SP02S01	SP02S02	SP02S03	SP02S04	SP03S04	SP03S07	SP03S08	SP03S01	SP03S02	SP03S03	SP03S05	SP03S06	SP04S02	SP04S03	SP04S04
	Laboratory Work Order	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503212	1503212	1503212
	Soil Distinction Soil Type Depth Interval (ft.) Sampling Date	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/11/2015	Fill -- 3/11/2015
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	MCP Regulated Type B-1	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A
1,3,5-Trimethylbenzene 1,3-Dichlorobenzene 1,3-Dichloropropane 1,4-Dichlorobenzene 1,4-Dioxane - Screen 2,2-Dichloropropane 2-Butanone 2-Chlorotoluene 2-Hexanone 4-Chlorotoluene 4-Isopropyltoluene 4-Methyl-2-Pentanone Acetone Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane Carbon Disulfide Carbon Tetrachloride Chlorobenzene Chloroethane Chloroform Chloromethane cis-1,2-Dichloroethene cis-1,3-Dichloropropene Dibromochloromethane Dibromomethane Dichlorodifluoromethane Diethyl Ether Di-isopropyl ether Ethyl tertiary-butyl ether Ethylbenzene Hexachlorobutadiene Isopropylbenzene Methyl tert-Butyl Ether Methylene Chloride Naphthalene n-Butylbenzene n-Propylbenzene sec-Butylbenzene Styrene tert-Butylbenzene Tertiary-amyl methyl ether Tetrachloroethene Tetrahydrofuran Toluene trans-1,2-Dichloroethene trans-1,3-Dichloropropene Trichloroethene Trichlorofluoromethane Vinyl Chloride Xylene O Xylene P,M Xylenes (Total) Total VOCs	mg/kg --																			

J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 1\Tables\Table 5-BIN and Stockpile Disposal Characterization Testing Results.xlsx\All Data S-B

TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell	Stockpile 1	Stockpile 1	Stockpile 1	Stockpile 1	Stockpile 2	Stockpile 2	Stockpile 2	Stockpile 2	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 3	Stockpile 4	Stockpile 4	Stockpile 4
	Sample ID	SP01S02	SP01S03	SP01S04	SP01S01	SP02S01	SP02S02	SP02S03	SP02S04	SP03S04	SP03S07	SP03S08	SP03S01	SP03S02	SP03S03	SP03S05	SP03S06	SP04S02	SP04S03	SP04S04
	Laboratory Work Order	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503163	1503212	1503212	1503212
	Soil Distinction Soil Type Depth Interval (ft.) Sampling Date	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/10/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type B-1	MCP Regulated Type A	MCP Regulated Type B-1	Hazardous Material Type A	Hazardous Material Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A
Chrysene	mg/kg	<0.889	<0.898	2.39	<1.80	0.824	0.846	2.43	1.58	<0.486	<0.502	<0.483	<0.442	<0.510	<0.480	1.77	1.48	4.5	2.47	1.27
Dibenzo(a,h)Anthracene	mg/kg	<0.889	<0.898	<0.925	<1.80	<0.460	<0.467	<0.425	<0.467	<0.486	<0.502	<0.483	<0.442	<0.510	<0.480	<0.468	<0.509	0.969	0.481	<0.456
Dibenzofuran	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	1.21	<0.937	<0.909
Diethylphthalate	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Dimethylphthalate	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Di-n-butylphthalate	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Di-n-octylphthalate	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Fluoranthene	mg/kg	<1.77	<1.79	6.05	<3.58	1.77	1.68	5.3	4.01	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	3.33	3.28	9.66	4.64	2.39
Fluorene	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	1.24	<0.937	<0.909
Hexachlorobenzene	mg/kg	<0.444	<0.449	<0.463	<0.898	<0.460	<0.467	<0.425	<0.467	<0.486	<0.502	<0.483	<0.442	<0.510	<0.480	<0.468	<0.509	<0.445	<0.470	<0.456
Hexachlorobutadiene	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Hexachloroethane	mg/kg	<0.889	<0.898	<0.925	<1.80	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Indeno(1,2,3-cd)Pyrene	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	1.89	0.968	<0.909
Isophorone	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Naphthalene	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	1.51	<0.937	<0.909
Nitrobenzene	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
N-Nitrosodimethylamine	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Pentachlorophenol	mg/kg	<1.77	<1.79	<1.84	<3.58	<4.60	<4.67	<4.25	<4.67	<4.86	<5.02	<4.83	<4.42	<5.10	<4.80	<4.68	<5.09	<4.45	<4.70	<4.56
Phenanthrene	mg/kg	<1.77	<1.79	3.12	<3.58	<0.916	<0.931	1.82	1.66	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	2.43	2.04	10.1	3.75	1.62
Phenol	mg/kg	<1.77	<1.79	<1.84	<3.58	<0.916	<0.931	<0.848	<0.932	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	<0.933	<1.01	<0.888	<0.937	<0.909
Pyrene	mg/kg	<1.77	<1.79	3.95	<3.58	1.18	1.13	4.43	2.74	<0.969	<1.00	<0.964	<0.881	<1.02	<0.957	2.76	2.37	6.48	3.42	1.79
Pyridine																				
Total SVOCs	mg/kg	ND	ND	24.07	ND	7.09	7.486	36.69	27.77	ND	ND	ND	ND	ND	ND	15.55	13.76	60.25	24.471	10.9
Classic Chemistry																				
Corrosivity (pH)	S.U.	8.32	8.47	8.34	8.51	8.46	8.47	10.4	8.91	7.23	7.16	7.22	7.13	6.14	6.94	7.36	6.97	7.83	8.03	8.09
Conductivity	umhos/cm	72	61	191	141	144	163	384	400	250	200	94	347	346	303	122	201	90	100	106
Flashpoint	°F	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
Reactive Cyanide	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Reactive Sulfide	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell Sample ID Laboratory Work Order Soil Distinction Soil Type Depth Interval (ft.) Sampling Date	Stockpile 4 SP04S05 1503212 Fill 3/11/2015	Stockpile 4 SP04S06 1503212 Fill 3/11/2015	Stockpile 4 SP04S07 1503212 Fill 3/11/2015	Stockpile 4 SP04S08 1503212 Fill 3/11/2015	Stockpile 4 SP04S09 1503212 Fill 3/11/2015	Stockpile 4 SP04S10 1503213 Fill 3/11/2015	Stockpile 4 SP04S11 1503213 Fill 3/11/2015	Stockpile 4 SP04S12 1503213 Fill 3/11/2015	Stockpile 4 SP04S13 1503213 Fill 3/11/2015	Stockpile 4 SP04S14 1503213 Fill 3/11/2015	Stockpile 4 SP04S15 1503213 Fill 3/11/2015	Stockpile 4 SP04S16 1503213 Fill 3/11/2015	Stockpile 4 SP04S01 1503212 Fill 3/11/2015	BIN4 BIN4_S4_08042016 L1624379	BIN4 BIN4_S5_08042016 L1624379	BIN4 BIN4_S6_08042016 L1624379	BIN4 BIN4_S7_08042016 L1624379	BIN2-S1 L1622621-01 L1622621	BIN2-S2 L1622621-02 L1622621
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A						
RCRA 8 Metals	Units																			
Antimony, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.5	<2.5	<2.4	<2.5	--	--
Arsenic, Total	mg/kg	14.2	<7.19	13.6	9.28	8.26	11.3	16.1	11.5	17.4	15.1	9.53	7.49	8.75	14	4.4	2.7	7.1	--	--
Barium, Total	mg/kg	61.9	27.6	58.1	59.1	42.9	38.9	47.3	37	58.1	53.5	32.9	38.1	34.8	200	22	14	35	--	--
Beryllium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.64	0.27	<0.24	0.36	--	--
Cadmium, Total	mg/kg	<1.54	<1.44	<1.41	<1.50	<1.46	<1.47	<1.55	<1.27	<1.54	<1.42	<1.27	<1.50	<1.38	<0.5	<0.5	<0.48	<0.49	--	--
Chromium, Total	mg/kg	26.2	14.6	26.9	19.9	27.1	19.5	27	20.1	25.6	22.9	19.1	22.8	21	23	11	10	21	--	--
Lead, Total	mg/kg	251	74.3	199	116	90.7	108	205	116	274	232	98.2	25	78.9	74	7.3	4	11	--	--
Nickel, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	0.278	<0.081	<0.08	<0.086	--	--
Selenium, Total	mg/kg	<7.68	<7.19	<7.04	<7.52	<7.29	<7.34	<7.77	<6.35	<7.69	<7.11	<6.35	<7.49	<6.92	14	8.9	8.2	14	--	--
Silver, Total	mg/kg	<1.54	<1.44	<1.41	<1.50	<1.46	<1.47	<1.55	<1.27	<1.54	<1.42	<1.27	<1.50	<1.38	<2.5	<2.5	<2.4	<2.5	--	--
Mercury, Total	mg/kg	0.519	0.259	0.491	0.286	0.257	0.259	0.398	0.323	0.468	0.422	0.074	<0.037	0.18	<0.5	<0.5	<0.48	<0.49	--	--
Thallium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	<2.5	<2.5	<2.4	<2.5	--	--
Vanadium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	31	16	17	25	--	--
Zinc, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	89	47	33	90	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																				
Arsenic	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.9	1.2
Lead	mg/L	<0.500	--	<0.500	<0.500	--	<0.500	<0.500	<0.500	<0.500	<0.500	--	--	--	--	--	--	--	--	--
Selenium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides																				
2,4,5-T	mg/kg	<0.053	<0.055	<0.068	<0.057	<0.061	<0.055	<0.054	<0.056	<0.055	<0.058	<0.058	<0.061	<0.056	--	--	--	--	--	--
2,4-D	mg/kg	<0.053	<0.055	<0.068	<0.057	<0.061	<0.055	<0.054	<0.056	<0.055	<0.058	<0.058	<0.061	<0.056	--	--	--	--	--	--
2,4-DB	mg/kg	<0.053	<0.055	<0.068	<0.057	<0.061	<0.055	<0.054	<0.056	<0.055	<0.058	<0.058	<0.061	<0.056	--	--	--	--	--	--
Dalapon	mg/kg	<0.64	<0.66	<0.81	<0.69	<0.74	<0.67	<0.65	<0.67	<0.66	<0.70	<0.69	<0.74	<0.68	--	--	--	--	--	--
Dicamba	mg/kg	<0.053	<0.055	<0.068	<0.057	<0.061	<0.055	<0.054	<0.056	<0.055	<0.058	<0.058	<0.061	<0.056	--	--	--	--	--	--
Dichloroprop	mg/kg	<0.053	<0.055	<0.068	<0.057	<0.061	<0.055	<0.054	<0.056	<0.055	<0.058	<0.058	<0.061	<0.056	--	--	--	--	--	--
Dinoseb	mg/kg	<0.32	<0.33	<0.41	<0.35	<0.37	<0.33	<0.32	<0.34	<0.33	<0.35	<0.35	<0.37	<0.34	--	--	--	--	--	--
MCPA	mg/kg	<13	<13	<16	<14	<15	<13	<13	<13	<13	<14	<14	<15	<14	--	--	--	--	--	--
MCPP	mg/kg	<13	<13	<16	<14	<15	<13	<13	<13	<13	<14	<14	<15	<14	--	--	--	--	--	--
Silvex (2,4,5-TP)	mg/kg	<0.053	<0.055	<0.068	<0.057	<0.061	<0.055	<0.054	<0.056	<0.055	<0.058	<0.058	<0.061	<0.056	--	--	--	--	0	--
Pesticides																				
4,4'-DDD	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
4,4'-DDE	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
4,4'-DDT	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Aldrin	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
alpha-BHC	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
beta-BHC	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Chlordane (technical)	mg/kg	<0.019	<0.037	<0.045	<0.040	<0.045	<0.096	<0.099	<0.096	<0.10	<0.10	<0.098	<0.10	<0.040	--	--	--	--	--	--
delta-BHC	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Dieldrin	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Endosulfan I	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Endosulfan II	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Endosulfan sulfate	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Endrin	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Endrin ketone	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
gamma-BHC (Lindane)	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Heptachlor	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Heptachlor epoxide	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Methoxychlor	mg/kg	<0.0019	<0.0037	<0.0045	<0.0040	<0.0045	<0.0096	<0.0099	<0.0096	<0.010	<0.010	<0.0098	<0.010	<0.0040	--	--	--	--	--	--
Toxaphene															<0.183	<0.187	<0.172	<0.185	<179 0	<0.264 --
Polychlorinated Biphenyls																				
Aroclor 1016	mg/kg	<0.143	<0.138	<0.143	<0.141	<0.134	<0.138	<0.139	<0.141	<0.149	<0.144	<0.134	<0.138	<0.136	<0.0412	<0.0408	<0.038	<0.0398	--	--
Aroclor 1221	mg/kg	<0.143	<0.138	<0.143	<0.141	<0.134	<0.138	<0.139	<0.141	<0.149	<0.144	<0.134	<0.138	<0.136	<0.0412	<0.0408	<0.038	<0.0398	--	--
Aroclor 1232	mg/kg	<0.143	<0.138	<0.143	<0.141	<0.134	<0.138	<0.139	<0.141	<0.149	<0.144	<0.134	<0.138	<0.136	<0.0412	<0.0408	<0.038	<0.0398	--	--
Aroclor 1242	mg/kg	<0.143	<0.138	<0.143	<0.141	<0.134	<0.138	<0.139	<0.141	<0.149	<0.144	<0.134	<0.138	<0.136	<0.0412	<0.0408	<0.038	<0.0398	--	--
Aroclor 1248	mg/kg	<0.143	<0.138	<0.143	<0.141	<0.134	<0.138	<0.139	<0.141	<0.149	<0.144	<0.134	<0.138	<0.136	<0.0412	<0.0408	<0.038	<0.0398	--	--
Aroclor 1254	mg/kg	0.215	<0.138	0.155	<0.141	0.258	<0.138	0.183	<0.141	0.289	<0.144	<0.134	<0.138	<0.136	<					

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TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	Stockpile 4	BIN4	BIN4	BIN4	BIN4	BIN2-S1	BIN2-S2
	Sample ID	SP04S05	SP04S06	SP04S07	SP04S08	SP04S09	SP04S10	SP04S11	SP04S12	SP04S13	SP04S14	SP04S15	SP04S16	SP04S01	BIN4_S4_08042016	BIN4_S5_08042016	BIN4_S6_08042016	BIN4_S7_08042016	L1622621-01	L1622621-02
	Laboratory Work Order	1503212	1503212	1503212	1503212	1503212	1503213	1503213	1503213	1503213	1503213	1503213	1503213	1503212	L1624379	L1624379	L1624379	L1624379	L1622621	L1622621
	Soil Distinction Soil Type Depth Interval (ft.) Sampling Date	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	Fill -- 3/11/2015	8/4/2016	8/4/2016	8/4/2016	8/4/2016	7/24/2016	7/24/2016
Preliminary Disposal Facility Category		MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	MCP Regulated Type A	Hazardous Material Type A						
Chrysene	mg/kg	2.91	1.14	3.43	2.03	1.34	1.04	1.78	1.23	1.95	1.76	<0.456	<0.444	6.24	<0.12	<0.12	<0.12	<0.12	--	--
Dibenzo(a,h)Anthracene	mg/kg	0.587	<0.424	0.642	<0.473	<0.466	<0.452	0.506	<0.465	0.492	<0.487	<0.456	<0.444	0.534	<0.12	<0.12	<0.12	<0.12	--	--
Dibenzofuran	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	4.17	--	--	--	--	--	--
Diethylphthalate	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Dimethylphthalate	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Di-n-octylphthalate	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Fluoranthene	mg/kg	5.67	2.21	5.64	3.68	2.91	1.82	3	2.1	3.58	2.91	<0.910	<0.884	32.7	<0.12	<0.12	<0.12	<0.12	--	--
Fluorene	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	6.81	<0.21	<0.21	<0.2	<0.2	--	--
Hexachlorobenzene	mg/kg	<0.466	<0.424	<0.479	<0.473	<0.466	<0.452	<0.451	<0.465	<0.478	<0.487	<0.456	<0.444	<0.467	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Hexachloroethane	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Indeno(1,2,3-cd)Pyrene	mg/kg	1.16	<0.845	1.24	<0.943	<0.930	<0.901	1.05	<0.927	1.01	<0.971	<0.910	<0.884	1.15	<0.16	<0.17	<0.16	<0.16	--	--
Isophorone	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Naphthalene	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	1.89	<0.21	<0.21	<0.2	<0.2	--	--
Nitrobenzene	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
N-Nitrosodimethylamine	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Pentachlorophenol	mg/kg	<4.66	<4.24	<4.79	<4.73	<4.66	<4.52	<4.51	<4.65	<4.78	<4.87	<4.56	<4.44	<4.67	--	--	--	--	--	--
Phenanthrene	mg/kg	4.1	1.55	3.34	2.21	1.4	1.1	1.54	1.28	2.12	1.57	<0.910	<0.884	37.9	<0.12	<0.12	<0.12	<0.12	--	--
Phenol	mg/kg	<0.929	<0.845	<0.955	<0.943	<0.930	<0.901	<0.900	<0.927	<0.954	<0.971	<0.910	<0.884	<0.931	--	--	--	--	--	--
Pyrene	mg/kg	4.2	1.74	4.66	2.87	2.1	1.67	2.63	1.89	2.86	2.36	<0.910	<0.884	14.8	<0.12	<0.12	<0.12	<0.12	<0.81	<1.2
Pyridine															<0.83	<0.83	<0.8	<0.82	0	0
Total SVOCs	mg/kg	31.327	10.46	34.282	18.2	12.14	8.972	17.436	10.22	19.032	14.21	ND	ND	140.204	0	0	0	0	--	--
Classic Chemistry																				
Corrosivity (pH)	S.U.	7.92	8.21	7.82	7.65	8.09	8.21	8.17	8.28	7.68	8.16	7.97	8.46	8.23	11.1	10.4	10	11.3	--	--
Conductivity	umhos/cm	69	114	246	367	194	192	140	117	88	132	153	96	113	640	300	190	470	--	--
Flashpoint	*F	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200	>150	>150	>150	>150	--	--
Reactive Cyanide	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<10	<10	<10	--	--
Reactive Sulfide	mg/kg	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10	<10	<10	<10	--	--

TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell	BIN2-S3	BIN2-S4	BIN2-S5	BIN2-S6	BIN2-S7	BIN2-S8	BIN2-S9	BIN2-S10	BIN2-S11	BIN2-S12	BIN2-S13	BIN2-S14	BIN2-S15
	Sample ID	L1622621-03	L1622621-04	L1622621-05	L1622621-06	L1622621-07	L1622621-08	L1622621-09	L1622621-10	L1622621-11	L1622621-12	L1622621-13	L1622621-14	L1622621-15
	Laboratory Work Order	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621
	Soil Distinction Soil Type Depth Interval (ft.) Sampling Date													
Preliminary Disposal Facility Category		7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016
RCRA 8 Metals		--	--	--	--	--	--	--	--	--	--	--	--	--
Antimony, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)		--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/L	0.62	2.4	0.69	1.1	1.9	1	1.9	1.52	2.9	1.7	3.3	<0.5	1
Lead	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides		--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-T	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-DB	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dalapon	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dicamba	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorprop	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
MCPA	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
MCPP	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Silvex (2,4,5-TP)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides		--	--	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDD	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDE	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4'-DDT	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-BHC	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-BHC	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane (technical)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
delta-BHC	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin ketone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene		<0.18	<0.197	<0.194	<0.17	<0.192	<0.229	<0.225	<0.183	<0.304	<0.179	<0.179	<0.184	<0.174
Polychlorinated Biphenyls		--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCBs	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbons		--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (VOCs)		--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell	BIN2-S3	BIN2-S4	BIN2-S5	BIN2-S6	BIN2-S7	BIN2-S8	BIN2-S9	BIN2-S10	BIN2-S11	BIN2-S12	BIN2-S13	BIN2-S14	BIN2-S15
	Sample ID	L1622621-03	L1622621-04	L1622621-05	L1622621-06	L1622621-07	L1622621-08	L1622621-09	L1622621-10	L1622621-11	L1622621-12	L1622621-13	L1622621-14	L1622621-15
	Laboratory Work Order	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621
	Soil Distinction Soil Type Depth Interval (ft.) Sampling Date													
Preliminary Disposal Facility Category		7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016
1,3,5-Trimethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane - Screen	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Isopropyltoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-isopropyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl tertiary-butyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-Butyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Tertiary-amyl methyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene O	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene P,M	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes (Total)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total VOCs	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds - Low Level Analysis		--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chlorotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

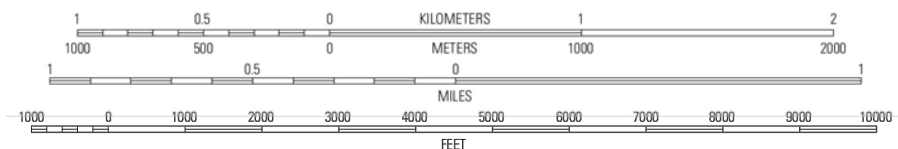
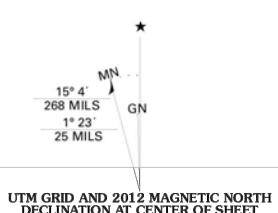
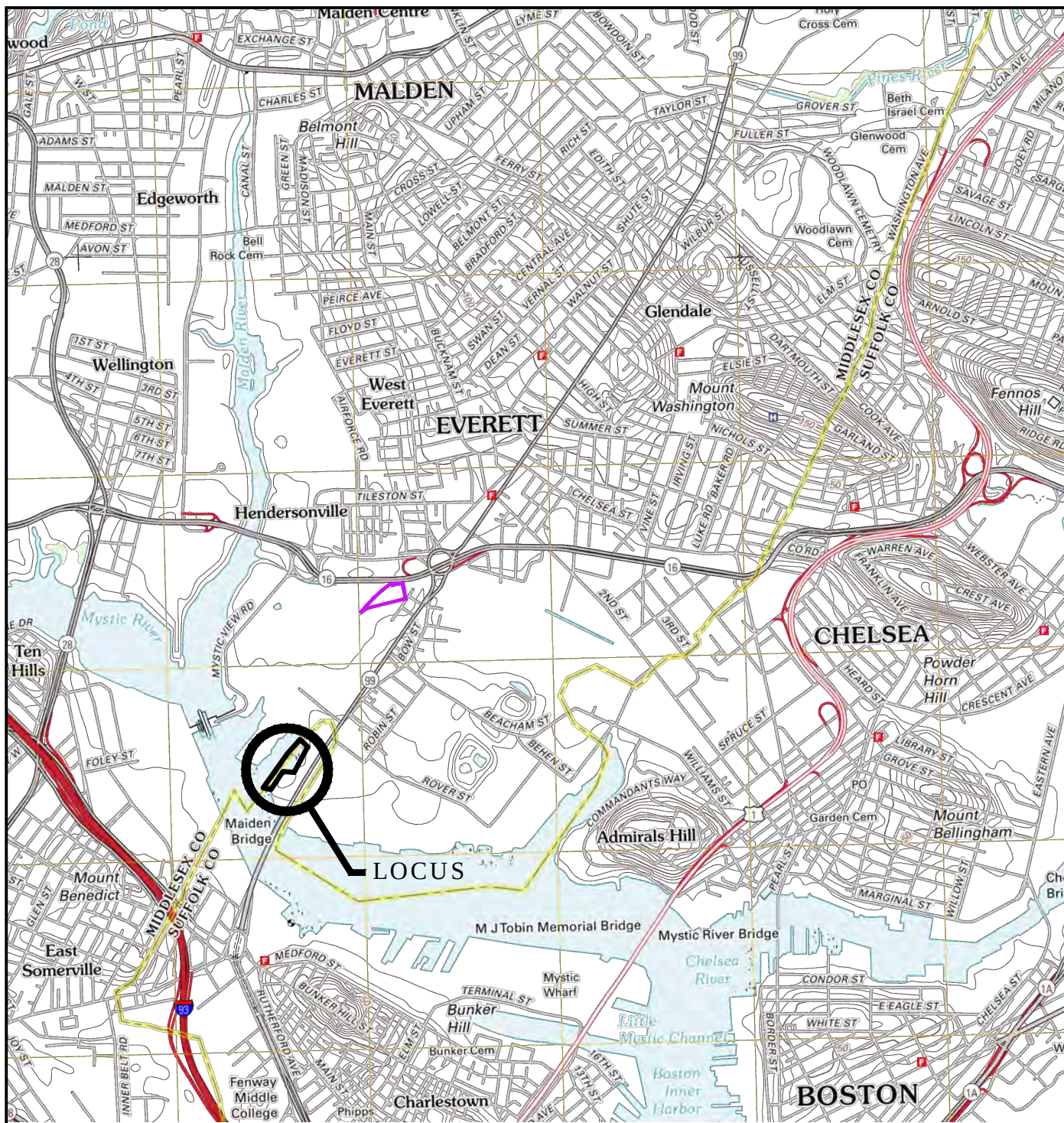
Analyte	Precharacterization Cell	BIN2-S3	BIN2-S4	BIN2-S5	BIN2-S6	BIN2-S7	BIN2-S8	BIN2-S9	BIN2-S10	BIN2-S11	BIN2-S12	BIN2-S13	BIN2-S14	BIN2-S15
	Sample ID	L1622621-03	L1622621-04	L1622621-05	L1622621-06	L1622621-07	L1622621-08	L1622621-09	L1622621-10	L1622621-11	L1622621-12	L1622621-13	L1622621-14	L1622621-15
	Laboratory Work Order	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621
	Soil Distinction Soil Type Depth Interval (ft.) Sampling Date													
Preliminary Disposal Facility Category		7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016
p-Isopropyltoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Diisopropyl Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl-Tert-Butyl-Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert butyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Tertiary-amyl methyl ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrahydrofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
p/m-xylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylenes, Total	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Total VOCs (Low Level)	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds		--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
3+4-Methylphenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenylether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloroaniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Azobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-chloroisopropyl)Ether	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Butylbenzylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 5
BIN AND STOCKPILE DISPOSAL CHARACTERIZATION TESTING RESULTS
Wynn Everett
One Horizon Way
Everett, Massachusetts

Analyte	Precharacterization Cell	BIN2-S3	BIN2-S4	BIN2-S5	BIN2-S6	BIN2-S7	BIN2-S8	BIN2-S9	BIN2-S10	BIN2-S11	BIN2-S12	BIN2-S13	BIN2-S14	BIN2-S15
	Sample ID	L1622621-03	L1622621-04	L1622621-05	L1622621-06	L1622621-07	L1622621-08	L1622621-09	L1622621-10	L1622621-11	L1622621-12	L1622621-13	L1622621-14	L1622621-15
	Laboratory Work Order	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621	L1622621
	Soil Distinction Soil Type Depth Interval (ft.) Sampling Date													
Preliminary Disposal Facility Category		7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016	7/24/2016
Chrysene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)Anthracene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octylphthalate	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)Pyrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	mg/kg	<0.81	<0.91	<0.86	<0.78	<0.9	<1.0	<0.99	<0.82	<1.4	<0.8	<1.6	<0.84	<0.81
Pyridine		0	0	0	0	0	0	0	0	0	0	0	0	0
Total SVOCs	mg/kg													
Classic Chemistry		--	--	--	--	--	--	--	--	--	--	--	--	--
Corrosivity (pH)	S.U.	--	--	--	--	--	--	--	--	--	--	--	--	--
Conductivity	umhos/cm	--	--	--	--	--	--	--	--	--	--	--	--	--
Flashpoint	°F	--	--	--	--	--	--	--	--	--	--	--	--	--
Reactive Cyanide	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Reactive Sulfide	mg/kg													



FIGURES



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

WYNN EVERETT 1 HORIZON WAY EVERETT, MASSACHUSETTS		PREPARED BY:  GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: WYNN MA, LLC	
SITE LOCUS MAP		PROJ MGR: DEL	REVIEWED BY: AJR	CHECKED BY: LF	FIGURE 1
		DESIGNED BY: VKR	DRAWN BY: JJZ	SCALE: AS SHOWN	
		DATE: MAY, 2016	PROJECT NO. 01.0171521.15	REVISION NO.	SHEET NO. 1 OF 4

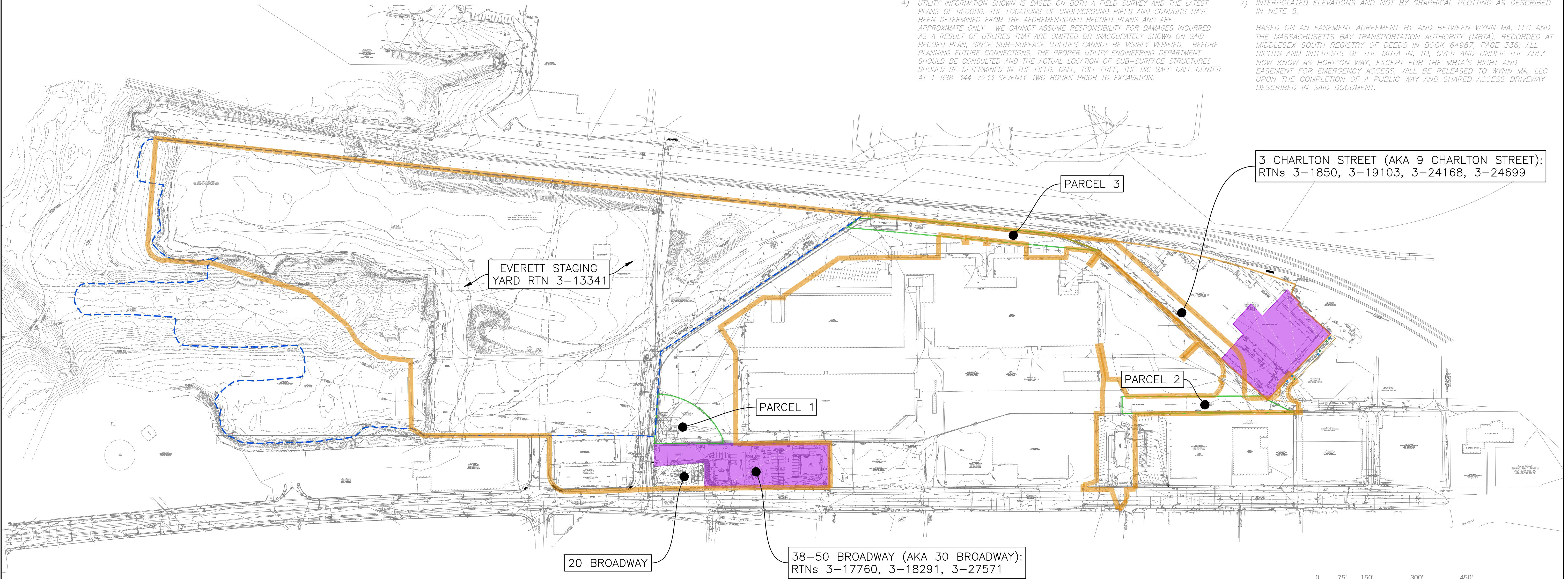
NOTES:

- 1) ELEVATIONS ESTABLISHED BY GPS. TEMPORARY BENCH MARKS SET: TBM-1, X-CUT ON SOUTHERLY MOST FLANGE BOLT OF A HYDRANT, LOCATED AT THE INTERSECTION OF THE NORTHWESTERLY SIDELINE OF ALFORD STREET AND THE SOUTHWESTERLY SIDELINE OF HORIZON WAY (A.K.A CHEMICAL LANE). AS SHOWN HEREON. ELEVATION = 13.38. TBM-2, SPIKE SET, 1 FOOT ABOVE GRADE IN UTILITY POLE, ON THE NORTHEASTERLY SIDE OF HORIZON WAY (A.K.A. CHEMICAL LANE) APPROXIMATELY 135 FEET FROM THE NORTHWESTERLY SIDELINE OF BROADWAY. AS SHOWN HEREON. ELEVATION = 12.54.
- 2) ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 3) CONTOUR INTERVAL EQUALS ONE (1) FOOT.
- 4) UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND THE LATEST PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE FOREMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. WE CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLAN, SINCE SUB-SURFACE UTILITIES CANNOT BE VISIBLY VERIFIED. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUB-SURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL, TOLL FREE, THE DIG SAFE CALL CENTER AT 1-888-344-7233 SEVENTY-TWO HOURS PRIOR TO EXCAVATION.

- 5) BY GRAPHICAL PLOTTING ONLY, THE PROPERTIES SHOWN HEREON LIE WITHIN A ZONE "AE", AN AREA WITHIN THE 1% ANNUAL CHANCE FLOOD WITH BASE FLOOD ELEVATIONS DETERMINED; A ZONE "X" (SHADED), AN AREA WITHIN THE 0.2% ANNUAL CHANCE FLOOD; AND ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAP (F.I.R.M.) FOR SUFFOLK COUNTY, MASSACHUSETTS, MAP NUMBER 25025C0014G, AND COMMUNITY PANEL NUMBER 250286, HAVING AN EFFECTIVE DATE OF SEPTEMBER 25, 2009 AND FLOOD INSURANCE RATE MAP FOR MIDDLESEX COUNTY, MASSACHUSETTS, MAP NUMBER 25017C0439E, AND COMMUNITY PANEL NUMBER 250192, HAVING AN EFFECTIVE DATE OF JUNE 4, 2010.

- 6) BASE FLOOD ELEVATION 9 (NAVD88), ZONE AE, IS SHOWN HEREON VIA INTERPOLATED ELEVATIONS AND NOT BY GRAPHICAL PLOTTING AS DESCRIBED IN NOTE 5.

BASED ON AN EASEMENT AGREEMENT BY AND BETWEEN WYNN MA, LLC AND THE MASSACHUSETTS BAY TRANSPORTATION AUTHORITY (MBTA), RECORDED AT MIDDLESEX SOUTH REGISTRY OF DEEDS IN BOOK 64987, PAGE 336; ALL RIGHTS AND INTERESTS OF THE MBTA IN, TO, OVER AND UNDER THE AREA NOW KNOWN AS HORIZON WAY, EXCEPT FOR THE MBTA'S RIGHT AND EASEMENT FOR EMERGENCY ACCESS, WILL BE RELEASED TO WYNN MA, LLC UPON THE COMPLETION OF A PUBLIC WAY AND SHARED ACCESS DRIVEWAY DESCRIBED IN SAID DOCUMENT.



LEGEND

- | | |
|------------------------------|---------------------------|
| ⊙ SEWER MANHOLE | FND FOUND |
| ⊙ DRAIN MANHOLE | ± FOUND MORE OR LESS |
| ⊙ ELECTRIC MANHOLE | DH DRILL HOLE |
| ⊙ TELEPHONE MANHOLE | VGC VERTICAL GRANITE CURB |
| ⊙ CABLE TV MANHOLE | CLF CHAIN LINK FENCE |
| ⊙ HYDRANT | BIT BITUMINOUS |
| ⊙ WATER SHUT OFF | CONC CONCRETE |
| ⊙ GAS SHUT OFF | NVP NO AND VISIBLE PIPES |
| ⊙ CATCH BASIN | RAILROAD TRACKS |
| ⊙ GUY WIRE | GUARD RAIL |
| ⊙ UTILITY POLE | -X-X- METAL FENCE |
| ⊙ LIGHT POLE | -S- SEWER |
| ⊙ ELECTRIC HANDHOLE | -D- DRAIN |
| ⊙ SIGN | -W- WATER |
| ⊙ FA FIRE ALARM | -G- GAS |
| ⊙ OBSERVATION WELL | -OHW- OVERHEAD WIRES |
| ● GATE POST | -V-V-V- RETAINING WALL |
| ■ FOUND | |
| SB STONE BOUND | |
| CB CONCRETE BOUND | |
| Z INDICATES COMMON OWNERSHIP | |
| ♿ HANDICAP RAMP | |

LEGEND

- AUL AREA (APPROXIMATE)
- FORMER EVERETT STAGING YARD DISPOSAL SITE BOUNDARY (RTN 3-13341)
- RAM PROJECT AREA BOUNDARY

NOTES:

1. AULs ARE SHOWN ONLY ON PROPERTIES WITHIN RAM BOUNDARIES; ADDITIONAL AULs EXIST IN THE VICINITY.
2. BASE PLAN FROM FELDMAN PROFESSIONAL LAND SURVEYORS PLAN TITLED "EXISTING CONDITIONS PLAN, BROADWAY (ROUTE 99), EVERETT, MASS." DATED MARCH 20, 2015.

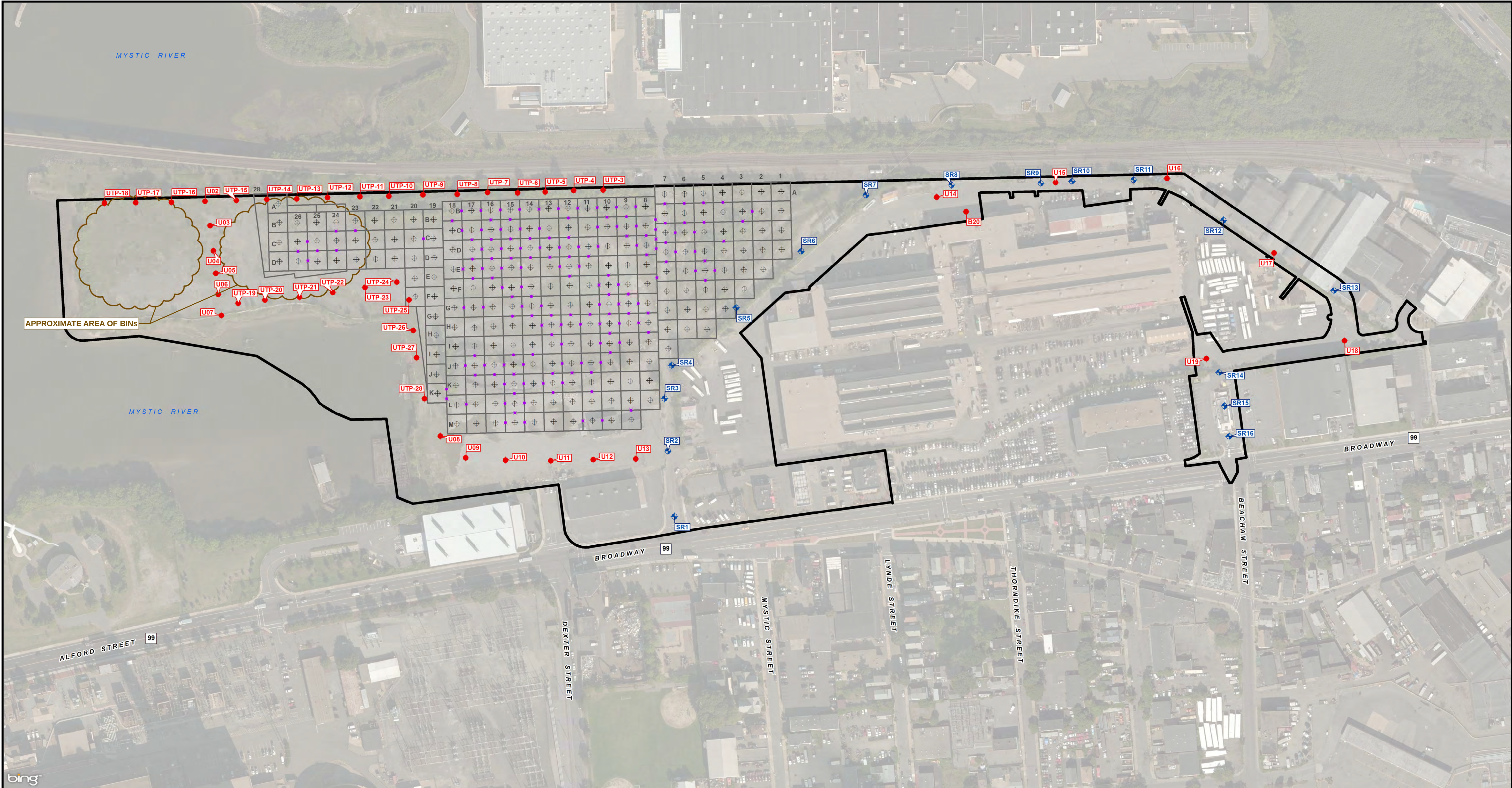
UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

WYNN EVERETT
1 HORIZON WAY
EVERETT, MASSACHUSETTS

PROPERTIES WITHIN RAM BOUNDARY

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: WYNN MA, LLC	
PROJ MGR: DEL	REVIEWED BY: AJR	CHECKED BY: LF	FIGURE
DESIGNED BY: VKR	DRAWN BY: JJZ	SCALE: AS SHOWN	2
DATE: MAY, 2016	PROJECT NO. 01.0171521.15	REVISION NO.	SHEET NO. 2 OF 4

© 2016, GZA GeoEnvironmental, Inc. 31170.000-719.999\171521\1521.00\DEL\FIGURES\GIS\MYDC\CLASSIFICATION\SELECT\171521_ExplorationLocationPlan.mxd, 9/29/2016, 1:24:40 PM, stephen.washburn



LEGEND

- UTILITY BORINGS/TEST PITS INSTALLED WITHIN THE APPROXIMATE ALIGNMENT OF PROPOSED SUBSURFACE UTILITIES BY NEW ENGLAND BORING COMPANY (FEBRUARY-AUGUST 2016)
- ⬇ APPROXIMATE SERVICE ROAD BORING LOCATION
- DELINEATION SAMPLE LOCATION
- ⊕ PRECHARACTERIZATION SOIL BORING LOCATION
- APPROXIMATE RAM PROJECT AREA BOUNDARY
- PRECHARACTERIZATION SAMPLE GRID

NOTES

- 1) THE LOCATIONS OF PRECHARACTERIZATION SOIL BORINGS WERE APPROXIMATELY DETERMINED BY GPS. THE DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
- 2) THIS MAP CONTAINS THE ESRI ArcGIS ONLINE BING MAPS AERIAL LAYER PACKAGE, PUBLISHED DECEMBER 1, 2010 BY ESRI ARCS SERVICES AND UPDATED MONTHLY. THIS SERVICE USES UNIFORM NATIONALLY RECOGNIZED DATUM AND CARTOGRAPHY STANDARDS AND A VARIETY OF AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS.



0 60 120 240 360
SCALE IN FEET

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

WYNN EVERETT
EVERETT, MA

EXPLORATION LOCATION PLAN

PREPARED BY:



PROJ MGR: DEL	REVIEWED BY: LF	CHECKED BY: RJM	FIGURE
DESIGNED BY: RJM	DRAWN BY: SMW	SCALE: 1 INCH = 120 FT	3
DATE: 08-29-2016	PROJECT NO. 01.0171521.52	REVISION NO.	



APPENDIX A - TRANSMITTAL FORM BWSC106



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 106

RELEASE ABATEMENT MEASURE (RAM)
TRANSMITTAL FORM

Release Tracking Number

3 - 13341

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

A. SITE LOCATION:

1. Site Name/Location Aid: EVERETT STAGING YARD
2. Street Address: 1 HORIZON WAY
3. City/Town: EVERETT 4. Zip Code: 021490000
- ☒ 5. Check here if the disposal site that is the source of the release is Tier Classified. Check the current Tier Classification Category.
- ☐ a. Tier I ☐ b. Tier ID ☒ c. Tier II

B. THIS FORM IS BEING USED TO: (check all that apply)

1. List Submittal Date of Initial RAM Plan (if previously submitted): 5/3/2016
(mm/dd/yyyy)
- ☐ 2. Submit an **Initial Release Abatement Measure (RAM) Plan**.
- ☐ a. Check here if the RAM is being conducted as part of the construction of a permanent structure. If checked, you must specify what type of permanent structure is to be erected in or in the immediate vicinity of the area where the RAM is to be conducted.
- b. Specify type of permanent structure: (check all that apply) ☐ i. School ☐ ii. Residential ☐ iii. Commercial
☐ iv. Industrial ☐ v. Other Specify: _____
- ☐ 3. Submit a **Modified RAM Plan** of a previously submitted RAM Plan.
- ☒ 4. Submit a **RAM Status Report**.
- ☐ 5. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP, concurrent with a RAM Status Report.)
- a. Type of Report: (check one) ☐ i. Initial Report ☐ ii. Interim Report ☐ iii. Final Report
- b. Frequency of Submittal:
- ☐ i. A Remedial Monitoring Report(s) submitted every six months, concurrent with a RAM Status Report.
- ☐ ii. A Remedial Monitoring Report(s) submitted annually, concurrent with a RAM Status Report.
- c. Number of Remedial Systems and/or Monitoring Programs: _____
- A separate BWSC106A, RAM Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.
- ☐ 6. Submit a **RAM Completion Statement**.
- ☐ 7. Submit a **Revised RAM Completion Statement**.
8. Provide Additional RTNs:
- ☒ a. Check here if this RAM Submittal covers additional Release Tracking Numbers (RTNs). RTNs that have been previously linked to a Primary Tier Classified RTN do not need to be listed here. This section is intended to allow a RAM to cover more than one unclassified RTN and not show permanent linkage to a Primary Tier Classified RTN.
- b. Provide the additional Release Tracking Number(s) covered by this RAM Submittal. 3 - 17760 3 - 1850
- ☐ 9. Include in the **RAM Plan** or **Modified RAM Plan** a **Plan for the Application of Remedial Additives** near a sensitive receptor, pursuant to 310 CMR 40.0046(3).

(All sections of this transmittal form must be filled out unless otherwise noted above)



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 106

**RELEASE ABATEMENT MEASURE (RAM)
TRANSMITTAL FORM**

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Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT RAM:

1. Media Impacted and Receptors Affected: (check all that apply)
- | | | |
|---|--|---|
| ☐ a. Paved Surface | ☐ b. Basement | ☐ c. School |
| ☐ d. Public Water Supply | ☐ e. Surface Water | ☐ f. Zone 2 |
| ☐ g. Private Well | ☐ h. Residence | ☒ i. Soil |
| ☒ j. Ground Water | ☒ k. Sediments | ☐ l. Wetland |
| ☐ m. Storm Drain | ☐ n. Indoor Air | ☐ o. Air |
| ☐ p. Soil Gas | ☐ q. Sub-Slab Soil Gas | ☐ r. Critical Exposure Pathway |
| ☐ s. NAPL | ☐ t. Unknown | |
| ☐ u. Others | Specify: _____ | |
2. Sources of the Release or TOR: (check all that apply)
- | | | |
|--|---|-------------------------------------|
| ☐ a. Transformer | ☐ b. Fuel Tank | ☐ c. Pipe |
| ☐ d. OHM Delivery | ☐ e. AST | ☐ f. Drums |
| ☐ g. Tanker Truck | ☐ h. Hose | ☐ i. Line |
| ☐ j. UST | Describe: _____ | ☐ k. Vehicle |
| ☐ l. Boat/Vessel | | |
| ☐ m. Unknown | ☒ n. Other: | HISTORIC FILL AND MANUFACTURING |
3. Type of Release or TOR: (check all that apply)
- | | | | |
|--|---|---|--------------------------------------|
| ☐ a. Dumping | ☐ b. Fire | ☐ c. AST Removal | ☐ d. Overfill |
| ☐ e. Rupture | ☐ f. Vehicle Accident | ☐ g. Leak | ☐ h. Spill |
| ☐ i. Test Failure | ☐ j. TOR Only | | |
| ☐ k. UST Removal | Describe: _____ | | |
| ☐ l. Unknown | ☒ m. Other: | HISTORIC FILL AND MANUFACTURING | |
4. Identify Oils and Hazardous Materials Released: (check all that apply)
- | | |
|---|---|
| ☒ a. Oils | ☒ b. Chlorinated Solvents |
| ☒ c. Heavy Metals | ☒ d. Others |
- Specify: PCBS

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for volumes list cumulative amounts)

- | | |
|---|---|
| ☐ 1. Assessment and/or Monitoring Only | ☐ 2. Temporary Covers or Caps |
| ☐ 3. Deployment of Absorbent or Containment Materials | ☐ 4. Temporary Water Supplies |
| ☐ 5. Structure Venting System/HVAC Modification System | ☐ 6. Temporary Evacuation or Relocation of Residents |
| ☐ 7. Product or NAPL Recovery | ☐ 8. Fencing and Sign Posting |
| ☐ 9. Groundwater Treatment Systems | ☐ 10. Soil Vapor Extraction |
| ☐ 11. Remedial Additives | ☐ 12. Air Sparging |
| ☐ 13. Active Exposure Pathway Mitigation System | ☐ 14. Passive Exposure Pathway Mitigation System |
| ☐ 15. Monitored Natural Attenuation | ☐ 16. In-Situ Chemical Oxidation |

RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

D. DESCRIPTION OF RESPONSE ACTIONS (cont.): (check all that apply, for volumes list cumulative amounts)

17. Excavation of Contaminated Soils

☐ a. Re-use, Recycling or Treatment	☐ i. On Site	Estimated volume in cubic yards	_____
	☐ ii. Off Site	Estimated volume in cubic yards	_____

ii. Receiving Facility: _____ Town: _____ State: _____

iib. Receiving Facility: _____ Town: _____ State: _____

iii. Describe:

b. Store	i. On Site	Estimated volume in cubic yards	_____
	ii. Off Site	Estimated volume in cubic yards	_____

ii. Receiving Facility: _____ Town: _____ State: _____

iib. Receiving Facility: _____ Town: _____ State: _____

☒ c. Landfill	☒ i. Cover	Estimated volume in cubic yards	3900
---	--	---------------------------------	------

Receiving Facility: BFI FALL RIVER Town: FALL RIVER State: MA

ii. Disposal	Estimated volume in cubic yards	780
--------------	---------------------------------	-----

Receiving Facility: WM TURNKEY (TREE) Town: ROCHESTER State: NH

☐ 18. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount:

b. Receiving Facility: _____ Town: _____ State: _____

c. Receiving Facility: _____ Town: _____ State: _____

☐ 19. Removal of Other Contaminated Media:

a. Specify Type and Volume:

b. Receiving Facility: _____ Town: _____ State: _____

c. Receiving Facility: _____ Town: _____ State: _____

☐ 20. Other Response Actions:

Describe:

□ 21. Use of Innovative Technologies:

Describe:



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 106

**RELEASE ABATEMENT MEASURE (RAM)
TRANSMITTAL FORM**

Release Tracking Number

3 - 13341

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

E. LSP SIGNATURE AND STAMP :

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that a **Release Abatement Measure Plan** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Release Abatement Measure Status Report** and/or **Remedial Monitoring Report** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply (ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Release Abatement Measure Completion Statement** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal:

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #:	8107		
2. First Name:	LAWRENCE	3. Last Name:	FELDMAN
4. Telephone:	7812783700	5. Ext.:	6. Email:
7. Signature:	LAWRENCE FELDMAN		
8. Date:	8/31/2016	9. LSP Stamp:	
	(mm/dd/yyyy)		





Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 106

**RELEASE ABATEMENT MEASURE (RAM)
TRANSMITTAL FORM**

Release Tracking Number

3 - 13341

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

F. PERSON UNDERTAKING RAM:

1. Check all that apply: ☒ a. change in contact name ☒ b. change of address ☐ c. change in the person undertaking response actions
2. Name of Organization: WYNN MA LLC
3. Contact First Name: JACQUI 4. Last Name: KRUM
5. Street: 101 STATION LANDING 2ND FLOOR 6. Title: SR VP/GENERAL COUNSEL
7. City/Town: MEDFORD 8. State: MA 9. ZIP Code: 021550000
10. Telephone: 8577707802 11. Ext.: 12. Email:

G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING RAM:

☐ Check here to change relationship

- ☒ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter
☒ e. Other RP or PRP Specify: ELIGIBLE OWNER/OPERATOR
- ☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ 4. Any Other Person Undertaking RAM Specify Relationship:

H. REQUIRED ATTACHMENT AND SUBMITTALS:

- ☐ 1. Check here if any Remediation Waste, generated as a result of this RAM, will be stored, treated, managed, recycled or reused at the site following submission of the RAM Completion Statement. You must submit a Phase IV Remedy Implementation Plan along with the appropriate transmittal form (BWSC108).
- ☐ 2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
- ☐ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the implementation of a Release Abatement Measure.
- ☐ 4. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to bwsc.edep@state.ma.us.
- ☐ 5. If a RAM Compliance Fee is required for this RAM, check here to certify that a RAM Compliance Fee was submitted to DEP, P. O. Box 4062, Boston, MA 02211.
- ☒ 6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 106

RELEASE ABATEMENT MEASURE (RAM)
TRANSMITTAL FORM

Release Tracking Number

3 - 13341

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

I. CERTIFICATION OF PERSON UNDERTAKING RAM:

1. I, JACQUI KRUM, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: JACQUI KRUM 3. Title: SR VP/GENERAL COUNSEL
(Signature)

4. For: WYNN MA LLC 5. Date: 8/31/2016
(Name of person or entity recorded in Section F) (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section F.

7. Street: _____
8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____
11. Telephone: _____ 12. Ext.: _____ 13. Email: _____

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER
BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT
SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM,
YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE**

Date Stamp (DEP USE ONLY:)

Received by DEP on
8/31/2016 10:50:09 AM



APPENDIX B - LIMITATIONS



USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).
3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.
4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.
6. Water level readings have been made, as described in this Report, in and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the Report.

COMPLIANCE WITH CODES AND REGULATIONS

7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.



SCREENING AND ANALYTICAL TESTING

8. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.
9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.
10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

INTERPRETATION OF DATA

11. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

ADDITIONAL INFORMATION

12. In the event that the Client or others authorized to use this report obtain additional information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

ADDITIONAL SERVICES

13. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

CONCEPTUAL SITE MODEL

14. Our opinions were developed, in part, based upon a comparison of site data to conditions anticipated within our Conceptual Site Model (CSM). The CSM is based on available information, and professional judgment. There are rarely sufficient data to develop a unique CSM. Therefore observations over time, and/or space, may vary from those depicted in the CSM provided in this report. In addition, the CSM should be evaluated and refined (as appropriate) whenever significant new information and/or data is obtained.

RISK CHARACTERIZATION

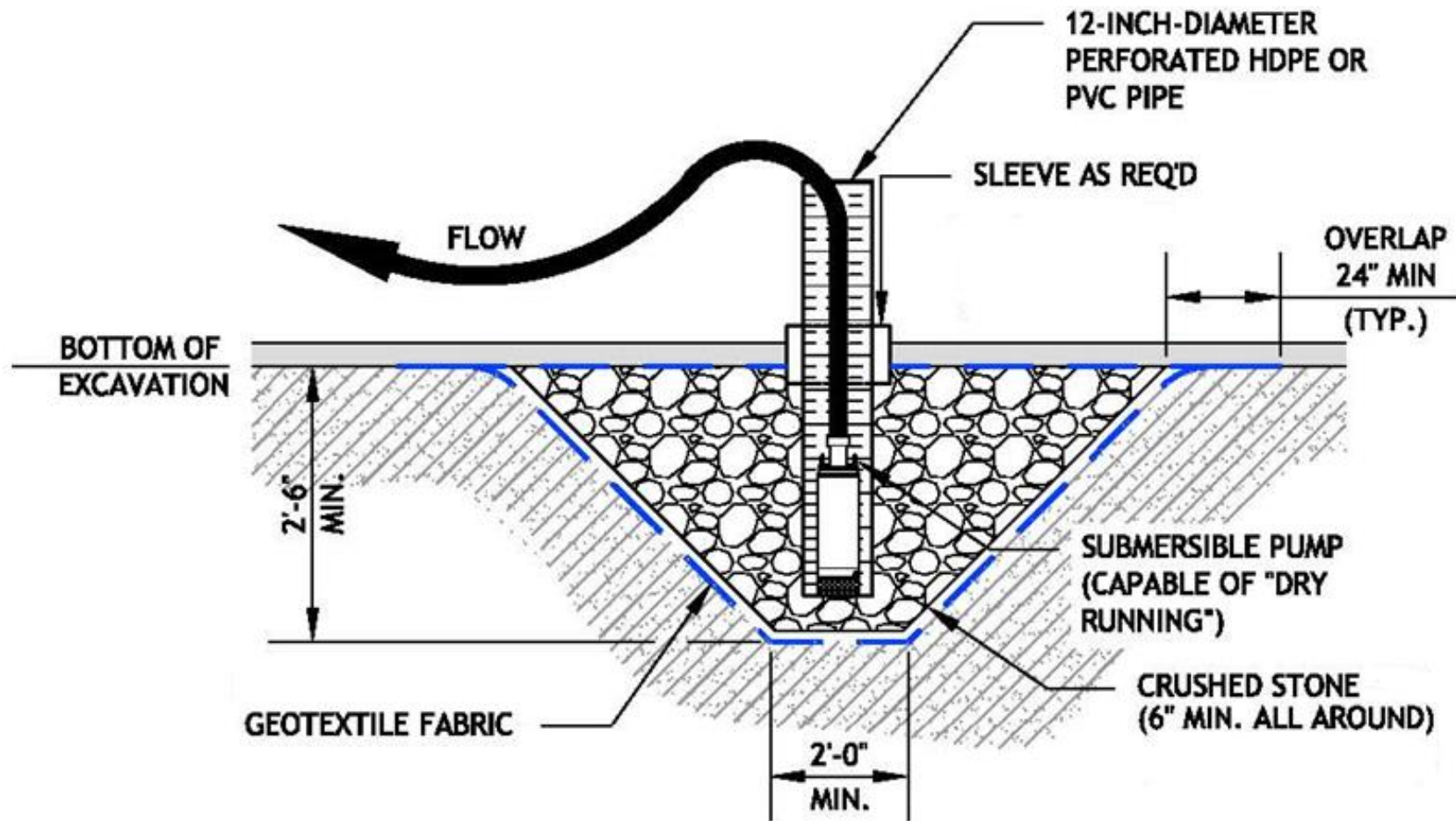
15. Our risk evaluation was performed in accordance with generally accepted practices of appropriate Federal and/or state regulatory agencies, and of other consultants undertaking similar studies at the same time, for similar purposes, and under similar circumstances. The findings of the risk evaluation are dependent on the numerous assumptions and uncertainties inherent in the risk characterization process. Sources of the uncertainty may include Site conditions; Site use; the nature, extent, concentration and distribution of contaminants; and the available toxicity and/or health/risk based regulatory information. Consequently, the findings of the risk characterization are not an absolute



characterization of actual risks; but rather serve to highlight potential incremental risks associated with activities indicated in the Report. Actual risks may be other than indicated in the Report.



APPENDIX C - DEWATERING DOCUMENTATION



TYPICAL SUMP AND PUMP DETAIL
SCALE: NTS

Notes:

- 1.) Figure is not to scale.
- 2.) Sumps should be packed with $\frac{3}{4}$ " stone.



Lockwood Remediation Technologies, LLC
89 Crawford Street
Leominster, MA 01453
Office: 774-450-7177

DESIGNED BY: LRT
CHECKED BY: T. Hagie

DRAWN BY: B. Watkins
DATE: October 7, 2015

Figure 4 – Dewatering Sump Detail

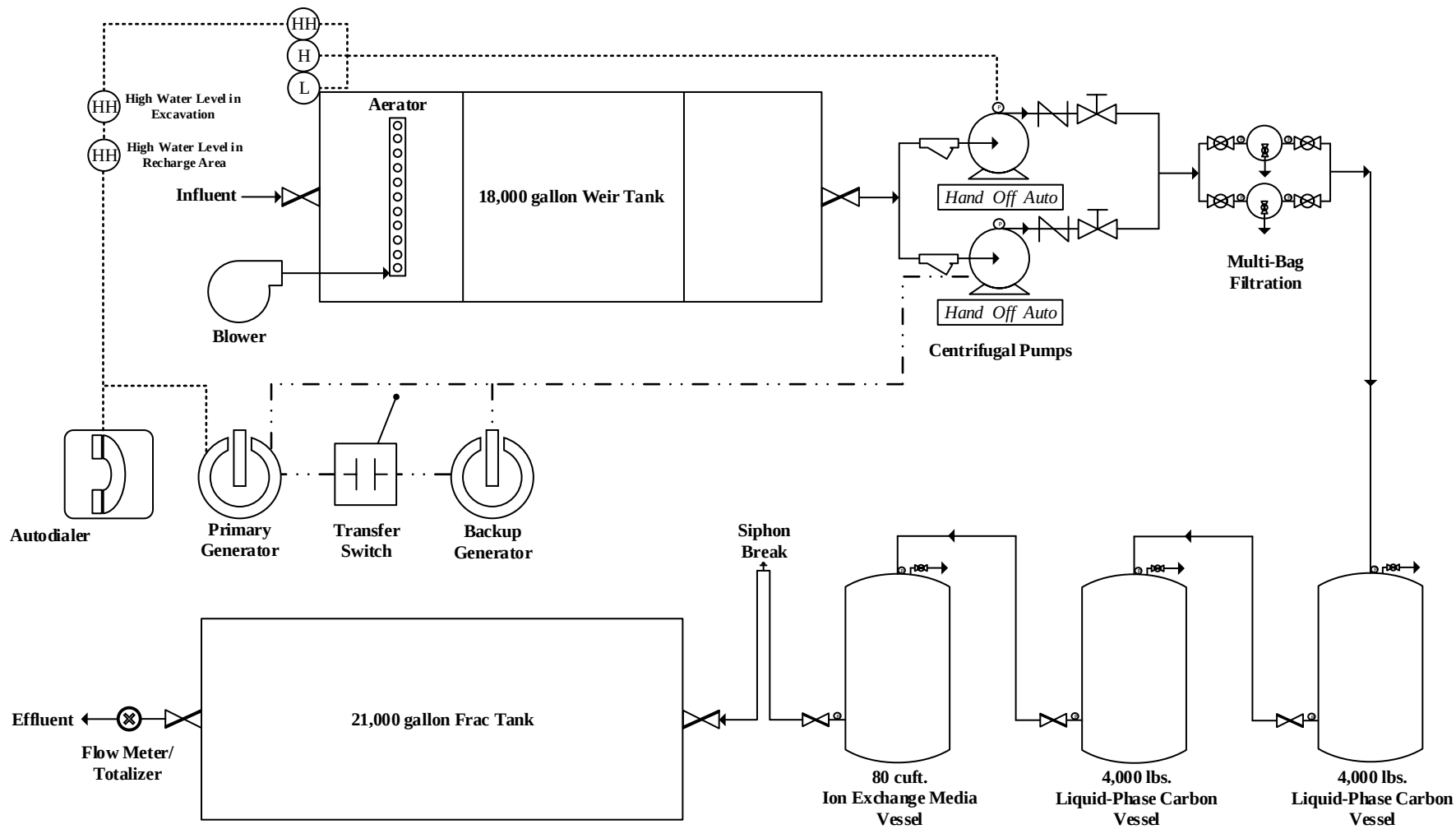
Wynn Casino
One Horizon Way
Everett, Massachusetts



Charter Environmental
500 Harrison Avenue
Boston, Massachusetts 02118

PROJECT No.
2-1297

FIGURE No.
4



Notes:

- 1.) Figure is not to scale
- 2.) System rated for 200 GPM
- 3.) Sampling ports located on all treatment system components

Key:

- Piping/Hose —————→
- Telemetry System - - - - -
- Temporary Power



Lockwood Remediation Technologies, LLC
89 Crawford Street
Leominster, MA 01453
Office: 774-450-7177

DESIGNED BY: LRT
CHECKED BY: T. Hagie

DRAWN BY: B. Watkins
DATE: October 7, 2015

Figure 5 – Water Treatment System Schematic Area CES-2

Wynn Casino
One Horizon Way
Everett, Massachusetts



Charter Environmental
500 Harrison Avenue
Boston, Massachusetts 02118

PROJECT No.
2-1297

FIGURE No.
5

	Analyte	Result	Units	Limit	Status
INFLUENT	1,2-Dichloroethane	1	ug/L	11	ND
	1,4-Dioxane	1.83	ug/L	1.1	EXCEEDS
	Arsenic	18.5	ug/L	782	OK
	Cadmium	0.1	ug/L	3.5	ND
	Chloride	140	mg/L	7260	OK
	Chromium	2.5	ug/L	16	OK
	Chromium III	10	ug/L	16	ND
	Copper	34.9	ug/L	29.8	EXCEEDS
	Fluorene	0.19	ug/L	0.21	ND
	Hardness	851	mg/L	497	EXCEEDS
	Iron	1700	ug/L	164000	OK
	Lead	68.4	ug/L	6.4	EXCEEDS
	Nickel	4	ug/L	21.7	OK
	Total Cyanide (LL)	18	ug/L	109	OK
	Total Suspended Solids	20	mg/L	28	OK
	Trichloroethene	1	ug/L	4	ND
	Zinc	215	ug/L	1130	OK
	pH	9.41	-		
EFFLUENT	1,2-Dichloroethane	5.3	ug/L	11	OK
	1,4-Dioxane	0.25	ug/L	1.1	ND
	Arsenic	242	ug/L	782	OK
	Cadmium	0.1	ug/L	3.5	ND
	Chloride	318	mg/L	7260	OK
	Chromium	2	ug/L	16	ND
	Chromium III	10	ug/L	16	ND
	Copper	6.8	ug/L	29.8	OK
	Fluorene	0.19	ug/L	0.21	ND
	Hardness	0.3	mg/L	497	ND
	Iron	48.5	ug/L	164000	OK
	Lead	6.4	ug/L	6.4	OK
	Nickel	4	ug/L	21.7	ND
	Total Cyanide (LL)	59.8	ug/L	109	OK
	Total Suspended Solids	5	mg/L	28	ND
	Trichloroethene	1	ug/L	4	ND
	Zinc	20	ug/L	1130	OK
	pH	7.96	-		

	Analyte	Result	Units	Limit	Status
INFLUENT	1,2-Dichloroethane	1	ug/L	11	ND
	1,4-Dioxane	0.792	ug/L	1.1	OK
	Arsenic	13.5	ug/L	782	OK
	Cadmium	0.3	ug/L	3.5	OK
	Chloride	338	mg/L	7260	OK
	Chromium	2	ug/L	16	ND
	Chromium III	10	ug/L	16	ND
	Copper	18.1	ug/L	29.8	OK
	Fluorene	0.19	ug/L	0.21	ND
	Iron	1150	ug/L	164000	OK
	Lead	35.8	ug/L	6.4	EXCEEDS
	Nickel	6	ug/L	21.7	OK
	Total Cyanide (LL)	12.4	ug/L	109	OK
	Total Suspended Solids	190	mg/L	28	EXCEEDS
	Trichloroethene	1	ug/L	4	ND
	Zinc	108	ug/L	1130	OK
	pH	9.14	-		
EFFLUENT	1,2-Dichloroethane	1.6	ug/L	11	OK
	1,4-Dioxane	0.25	ug/L	1.1	ND
	Arsenic	187	ug/L	782	OK
	Cadmium	0.1	ug/L	3.5	ND
	Chloride	240	mg/L	7260	OK
	Chromium	2	ug/L	16	ND
	Chromium III	10	ug/L	16	ND
	Copper	4	ug/L	29.8	ND
	Fluorene	0.19	ug/L	0.21	ND
	Iron	54.9	ug/L	164000	OK
	Lead	3	ug/L	6.4	OK
	Nickel	4	ug/L	21.7	ND
	Total Cyanide (LL)	5	ug/L	109	ND
	Total Suspended Solids	5	mg/L	28	ND
	Trichloroethene	1	ug/L	4	ND
	Zinc	19.2	ug/L	1130	OK
	pH	7.24	-		

	Analyte	Result	Units	Limit	Status
INFLUENT	1,2-Dichloroethane	1	ug/L	11	ND
	1,4-Dioxane	0.785	ug/L	1.1	OK
	Arsenic	12.5	ug/L	782	OK
	Cadmium	0.1	ug/L	3.5	OK
	Chloride	395	mg/L	7260	OK
	Chromium	2	ug/L	16	ND
	Chromium III	10	ug/L	16	ND
	Copper	12.8	ug/L	29.8	OK
	Fluorene	0.57	ug/L	0.21	EXCEEDS
	Hardness	486	mg/L	497	OK
	Iron	1920	ug/L	164000	OK
	Lead	20.6	ug/L	6.4	EXCEEDS
	Nickel	6.1	ug/L	21.7	OK
	Total Cyanide (LL)	5	ug/L	109	ND
	Total Suspended Solids	126	mg/L	28	EXCEEDS
	Trichloroethene	1	ug/L	4	ND
	Zinc	65.8	ug/L	1130	OK
	pH	7.51	-		
EFFLUENT	1,2-Dichloroethane	1	ug/L	11	ND
	1,4-Dioxane	0.25	ug/L	1.1	ND
	Arsenic	3.4	ug/L	782	OK
	Cadmium	0.1	ug/L	3.5	ND
	Chloride	352	mg/L	7260	OK
	Chromium	2	ug/L	16	ND
	Chromium III	10	ug/L	16	ND
	Copper	7.4	ug/L	29.8	OK
	Fluorene	0.19	ug/L	0.21	ND
	Hardness	244	mg/L	497	OK
	Iron	52.4	ug/L	164000	OK
	Lead	0.4	ug/L	6.4	ND
	Nickel	4	ug/L	21.7	ND
	Total Cyanide (LL)	5	ug/L	109	ND
	Total Suspended Solids	7	mg/L	28	OK
	Trichloroethene	1	ug/L	4	ND
	Zinc	18.9	ug/L	1130	OK
	pH	8.22	-		

	Analyte	Result	Units	Limit	Status
INFLUENT	1,2-Dichloroethane	1	ug/L	11	ND
	1,4-Dioxane	0.25	ug/L	1.1	ND
	Arsenic	16.4	ug/L	782	OK
	Cadmium	2	ug/L	3.5	ND
	Chloride	551	mg/L	7260	OK
	Chromium	5.8	ug/L	16	OK
	Chromium III	10	ug/L	16	ND
	Copper	158	ug/L	29.8	EXCEEDS
	Fluorene	0.19	ug/L	0.21	ND
	Iron	8800	ug/L	164000	OK
	Lead	160	ug/L	6.4	EXCEEDS
	Nickel	15.2	ug/L	21.7	OK
	Total Cyanide (LL)	27.2	ug/L	109	OK
	Total Suspended Solids	564	mg/L	28	EXCEEDS
	Zinc	516	ug/L	1130	OK
	pH	7.61	-		
EFFLUENT	1,2-Dichloroethane	1	ug/L	11	ND
	1,4-Dioxane	0.25	ug/L	1.1	ND
	Arsenic	1.2	ug/L	782	OK
	Cadmium	0.1	ug/L	3.5	ND
	Chloride	353	mg/L	7260	OK
	Chromium	2	ug/L	16	ND
	Chromium III	10	ug/L	16	ND
	Copper	4	ug/L	29.8	ND
	Fluorene	0.19	ug/L	0.21	ND
	Iron	200	ug/L	164000	ND
	Lead	0.4	ug/L	6.4	ND
	Nickel	4	ug/L	21.7	ND
	Total Cyanide (LL)	5	ug/L	109	ND
	Total Suspended Solids	5	mg/L	28	ND
	Zinc	28.4	ug/L	1130	OK
	pH	7.77	-		

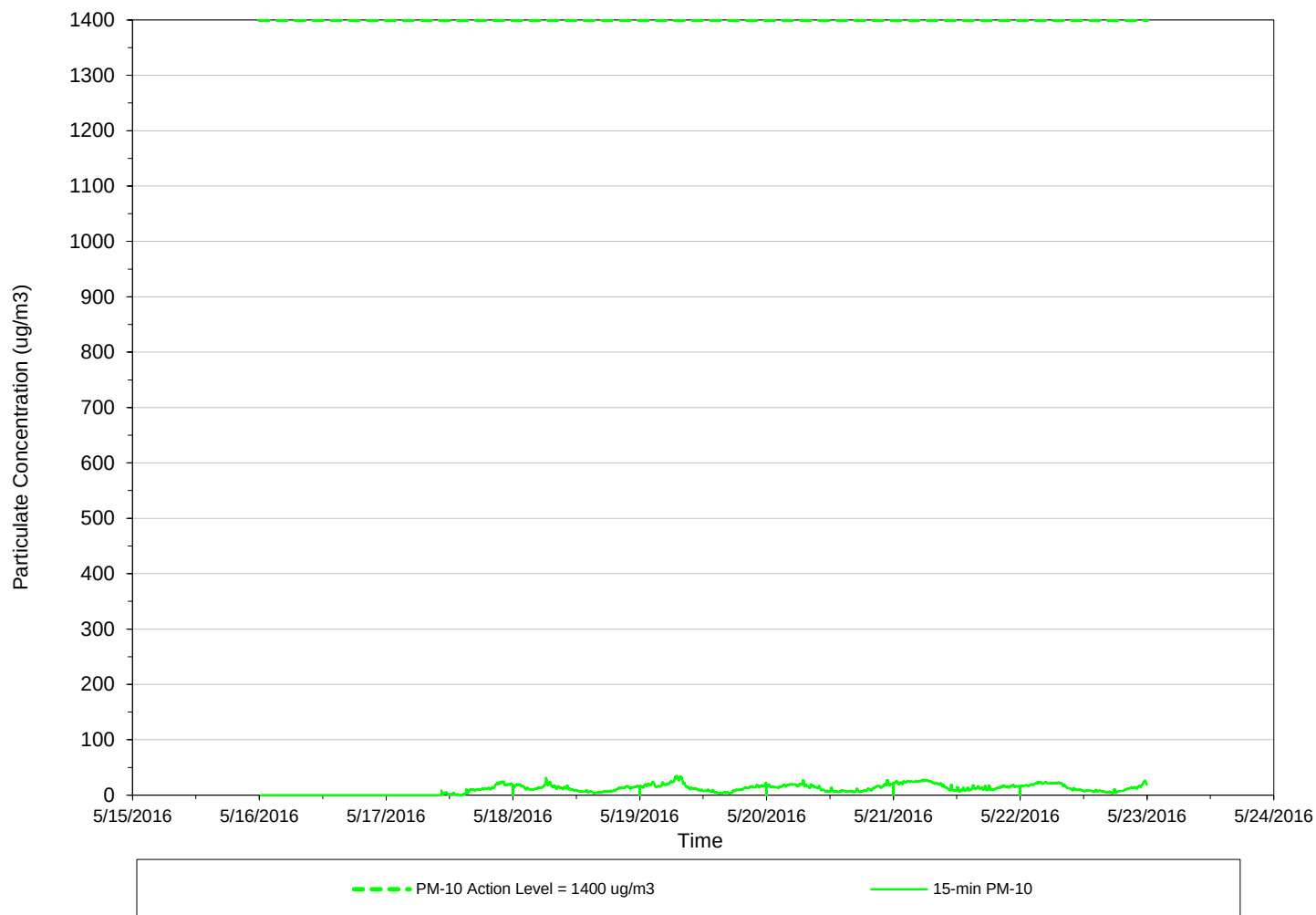


APPENDIX D - AIRLOGICS WEEKLY REPORTS

May 23, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.62

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/16/2016	#DIV/0!
5/17/2016	24.79
5/18/2016	31.74
5/19/2016	35.14
5/20/2016	27.44
5/21/2016	27.80
5/22/2016	26.27

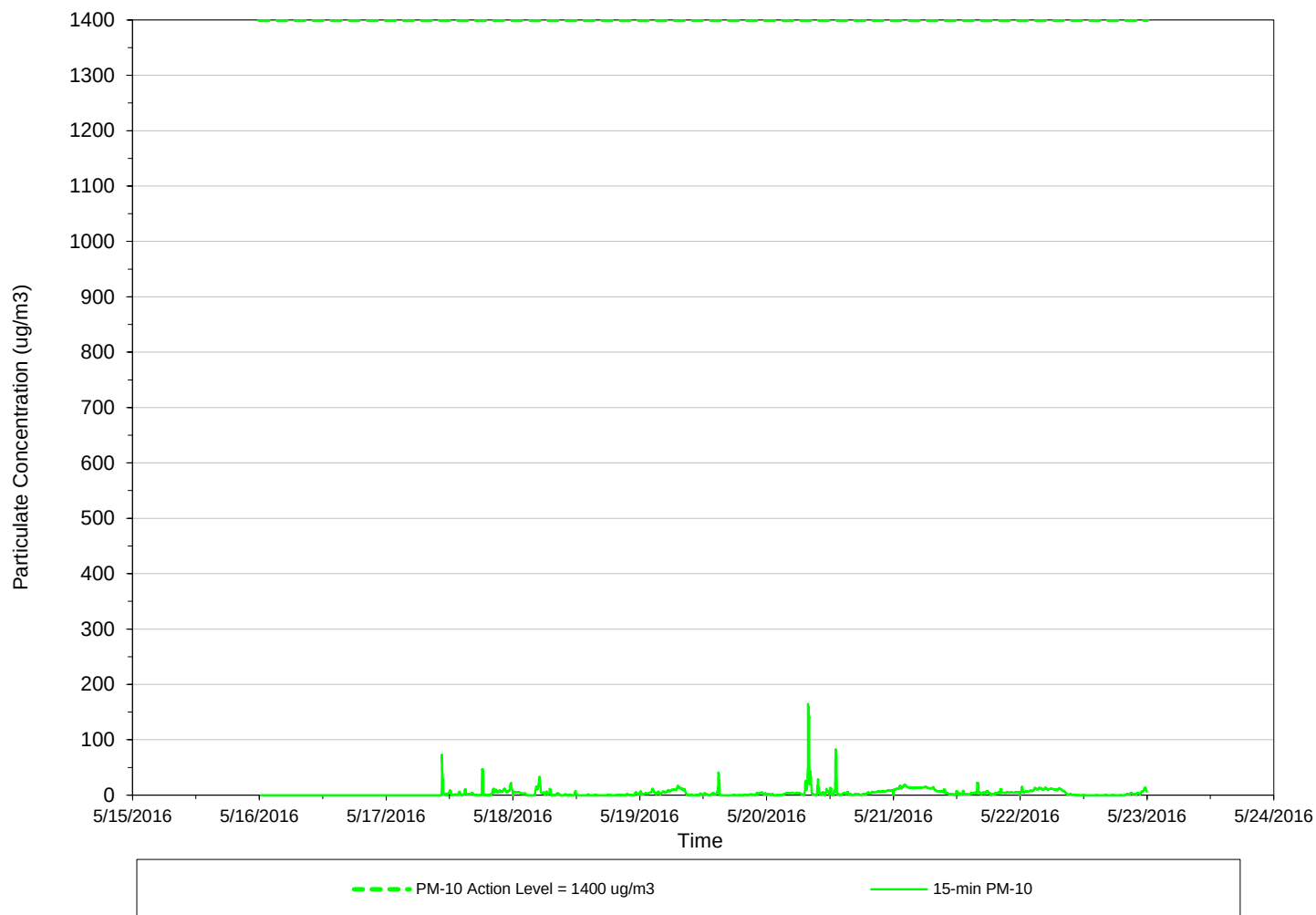
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 23, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.91

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/16/2016	#DIV/0!
5/17/2016	72.65
5/18/2016	33.62
5/19/2016	41.16
5/20/2016	164.81
5/21/2016	22.46
5/22/2016	14.68

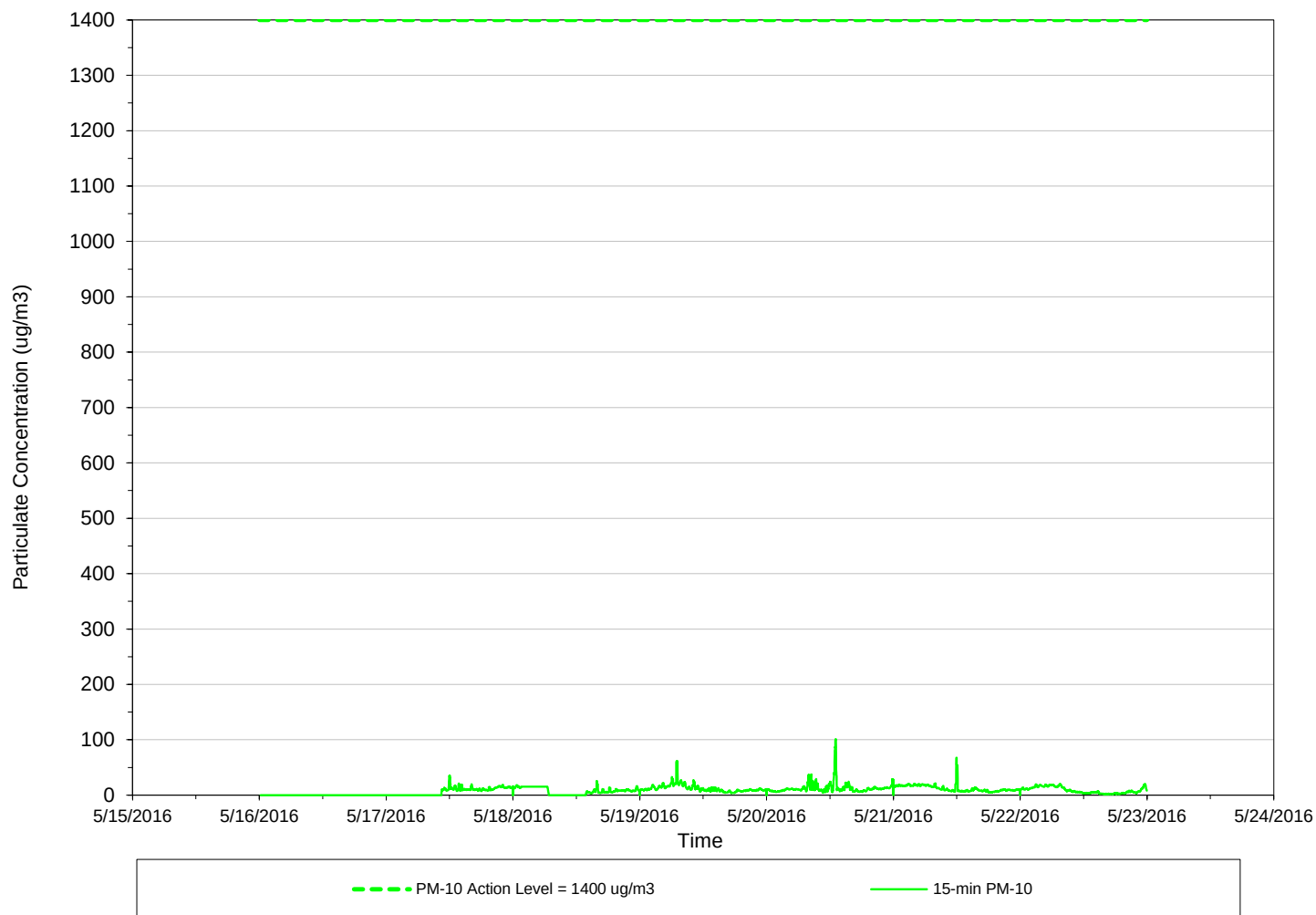
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 23, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.00

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/16/2016	#DIV/0!
5/17/2016	34.81
5/18/2016	25.52
5/19/2016	61.57
5/20/2016	101.34
5/21/2016	67.65
5/22/2016	20.57

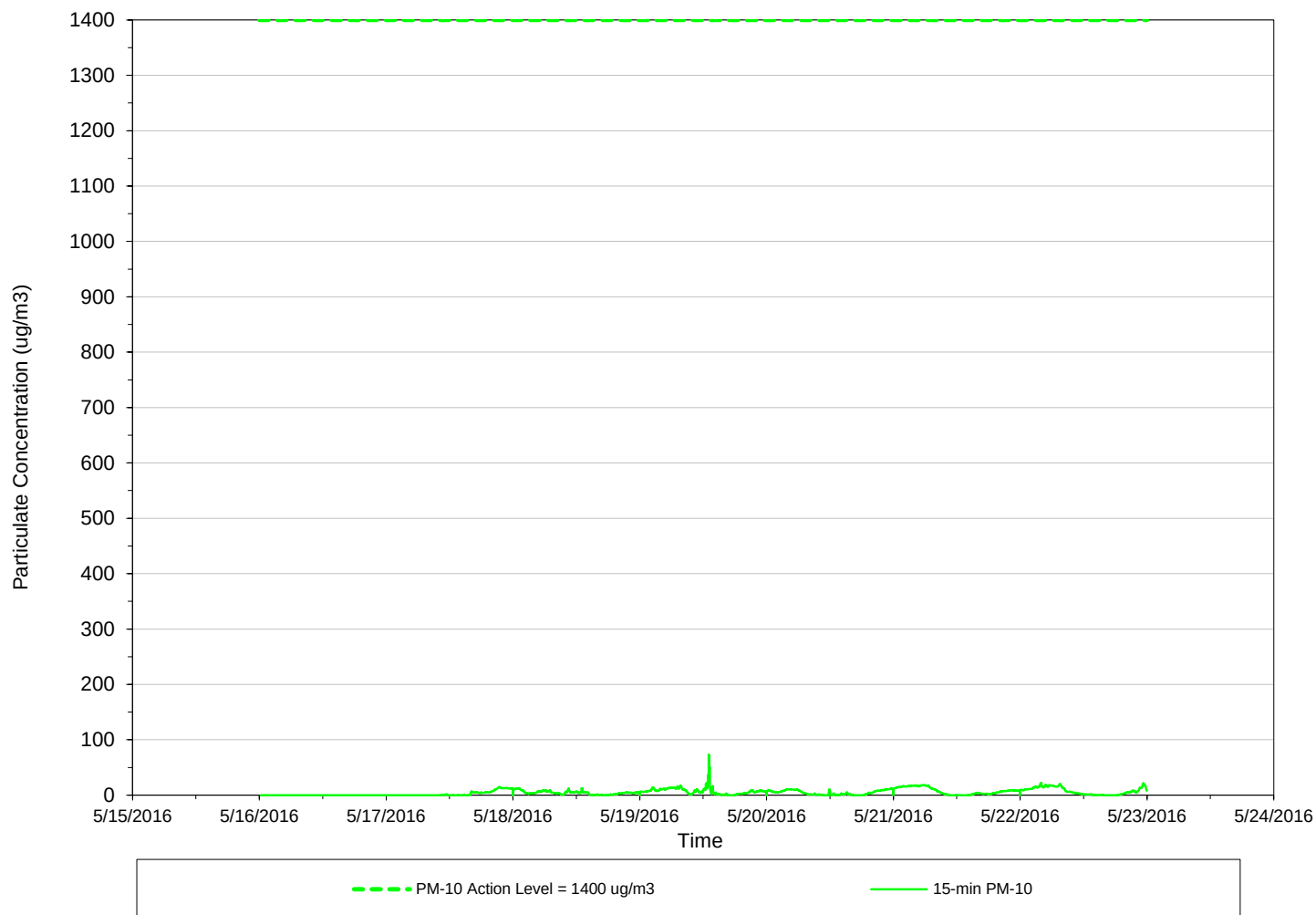
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 23, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.22

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/16/2016	#DIV/0!
5/17/2016	14.83
5/18/2016	12.38
5/19/2016	73.49
5/20/2016	12.30
5/21/2016	18.11
5/22/2016	22.29

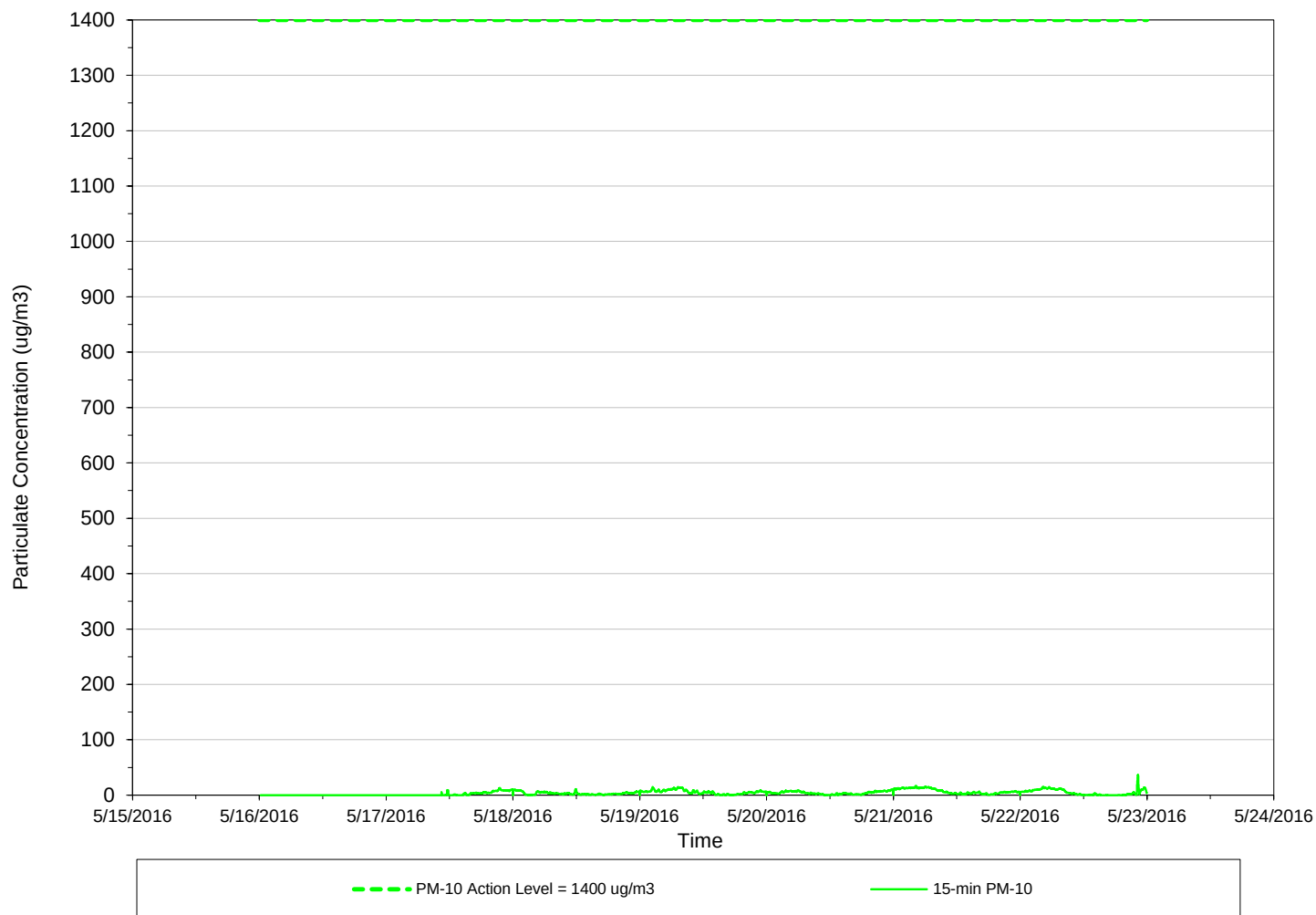
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 23, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.95

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/16/2016	#DIV/0!
5/17/2016	13.12
5/18/2016	10.96
5/19/2016	15.02
5/20/2016	10.73
5/21/2016	16.94
5/22/2016	36.17

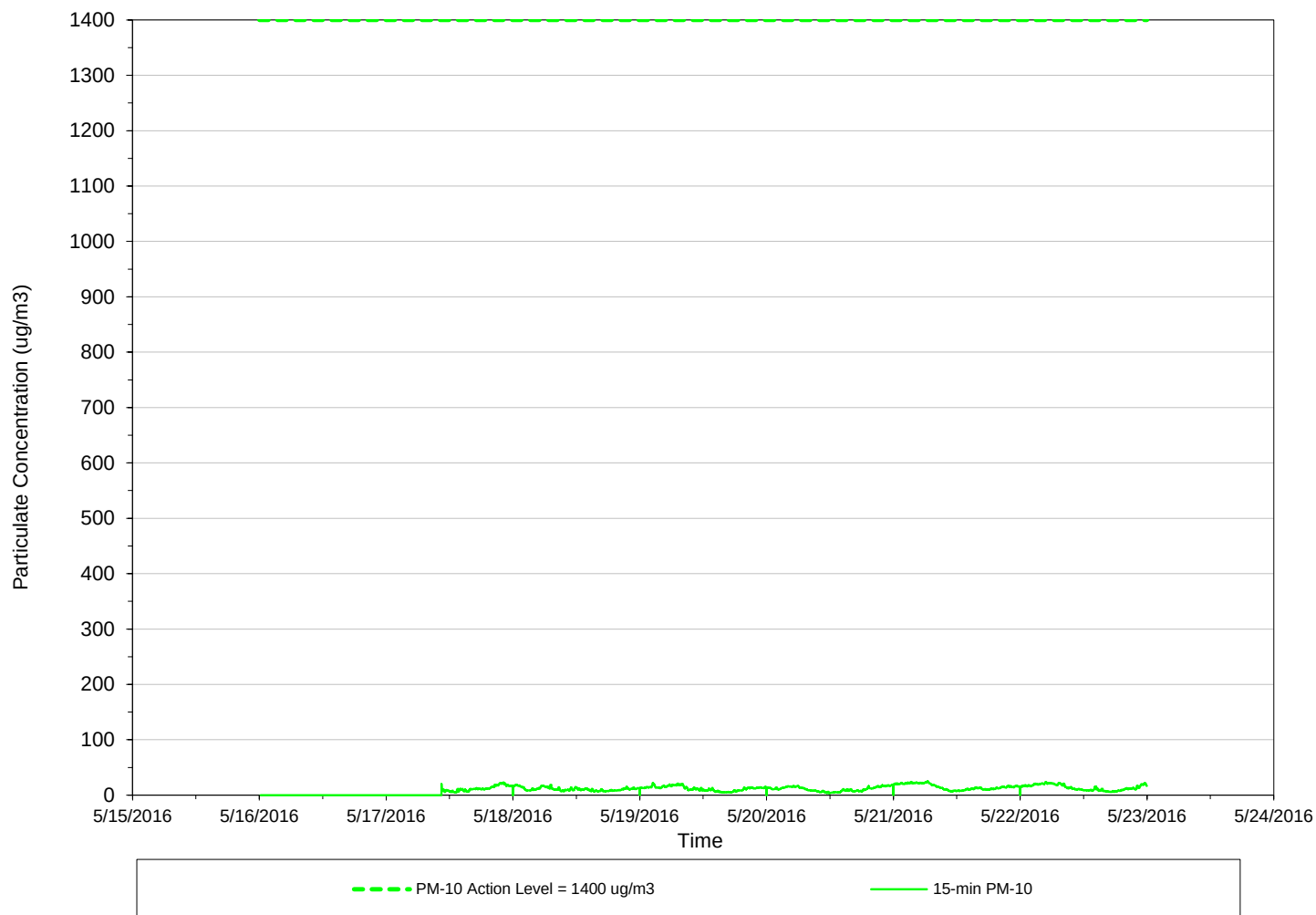
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 23, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.51

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/16/2016	#DIV/0!
5/17/2016	22.84
5/18/2016	18.84
5/19/2016	21.86
5/20/2016	19.18
5/21/2016	24.79
5/22/2016	23.84

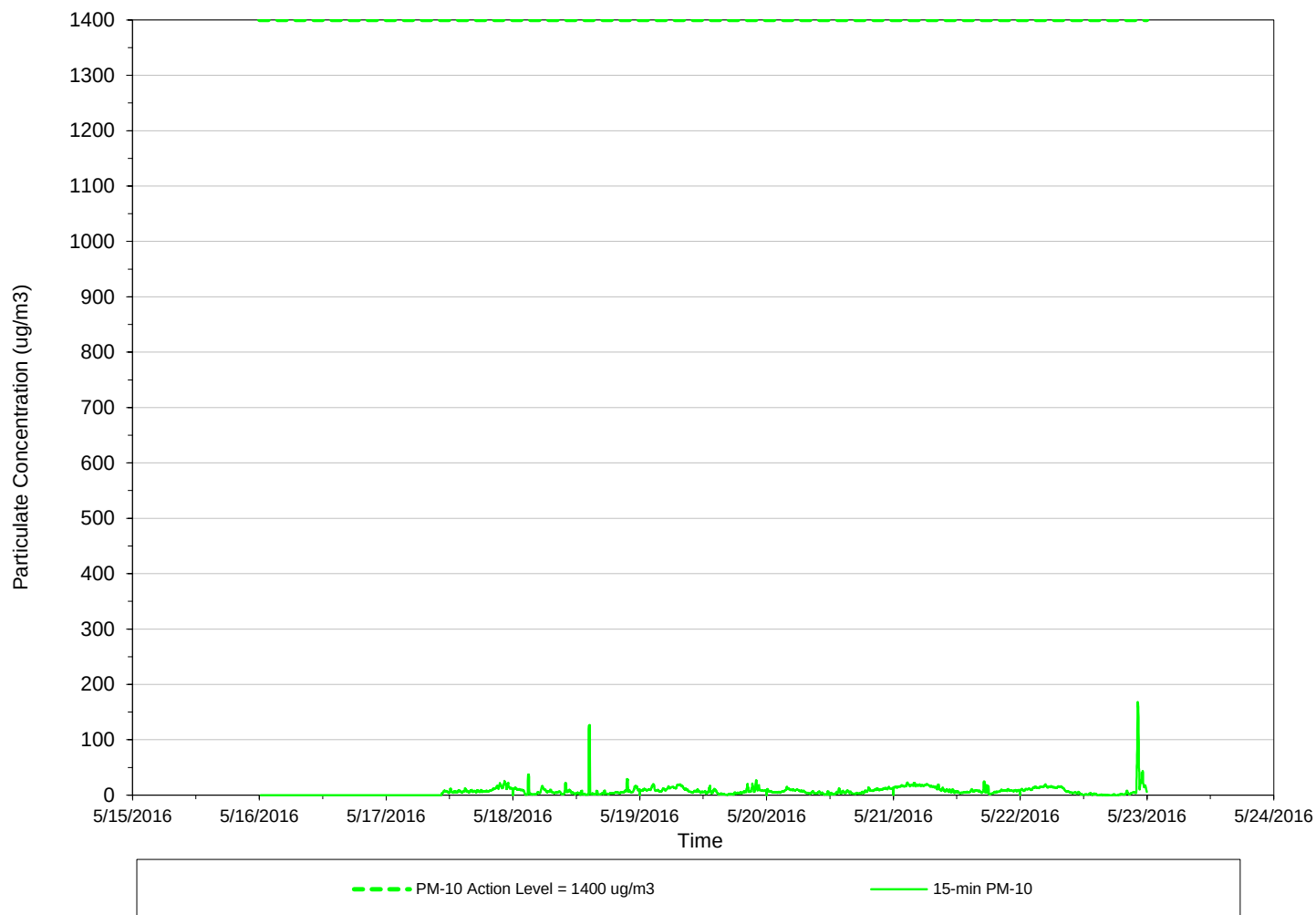
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 23, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 8.73

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/16/2016	#DIV/0!
5/17/2016	25.88
5/18/2016	126.59
5/19/2016	27.26
5/20/2016	14.60
5/21/2016	24.68
5/22/2016	168.45

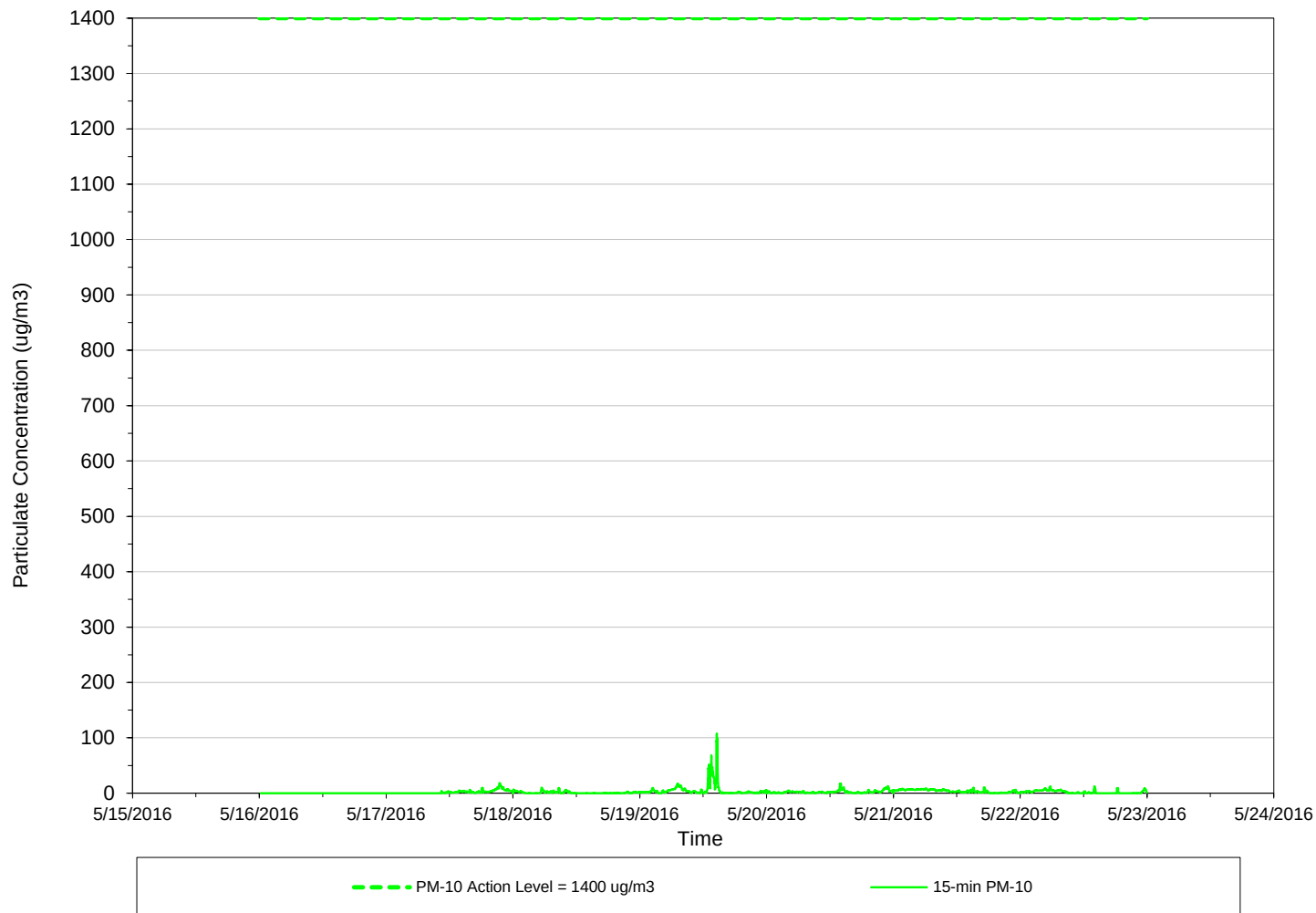
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 23, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.24

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/16/2016	#DIV/0!
5/17/2016	18.10
5/18/2016	10.22
5/19/2016	107.99
5/20/2016	17.65
5/21/2016	10.59
5/22/2016	12.30

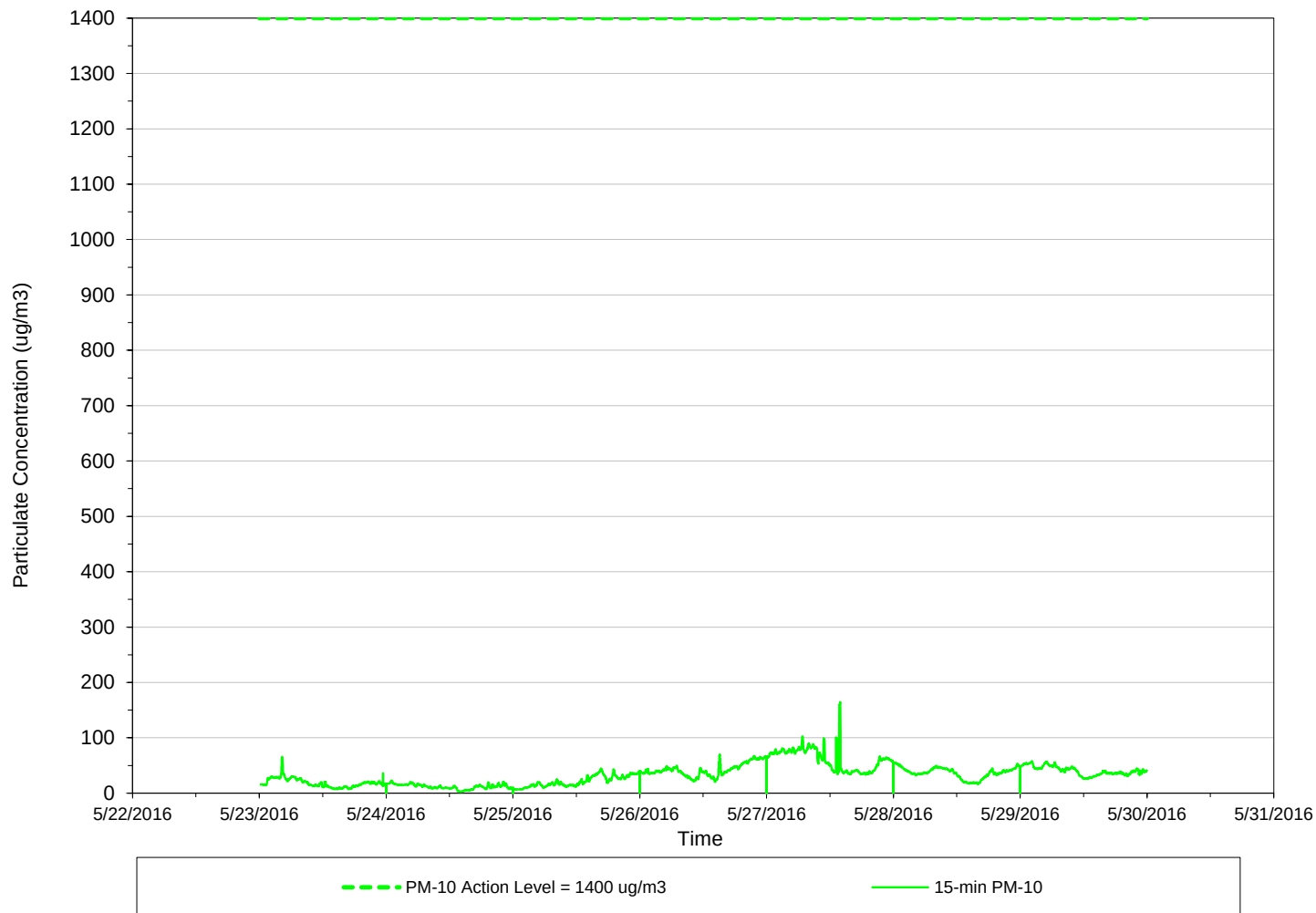
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 30, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 33.33

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/23/2016	65.81
5/24/2016	22.54
5/25/2016	44.36
5/26/2016	69.69
5/27/2016	164.42
5/28/2016	55.72
5/29/2016	58.07

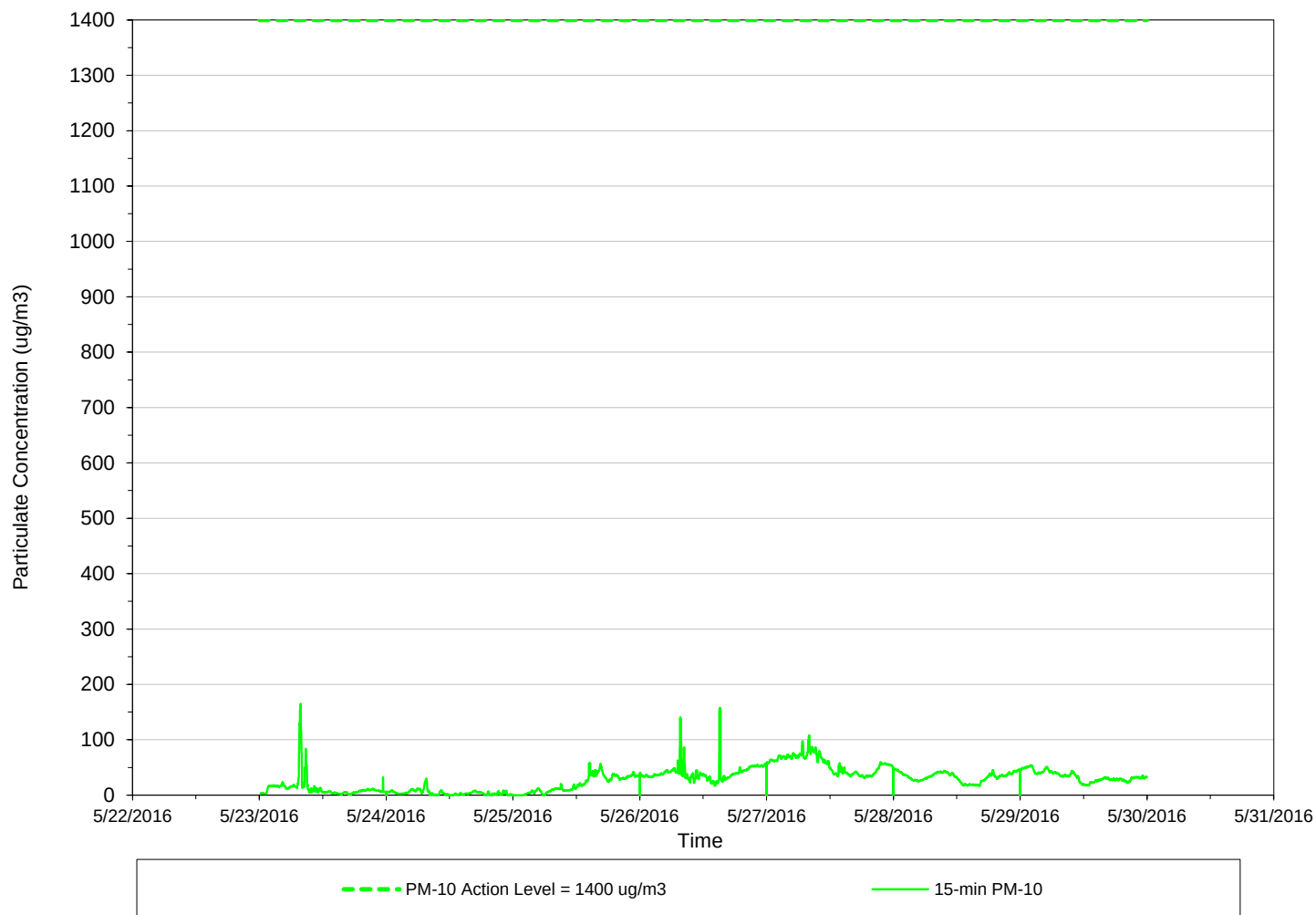
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 30, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 28.80

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/23/2016	164.77
5/24/2016	29.83
5/25/2016	57.76
5/26/2016	157.45
5/27/2016	107.68
5/28/2016	48.46
5/29/2016	54.32

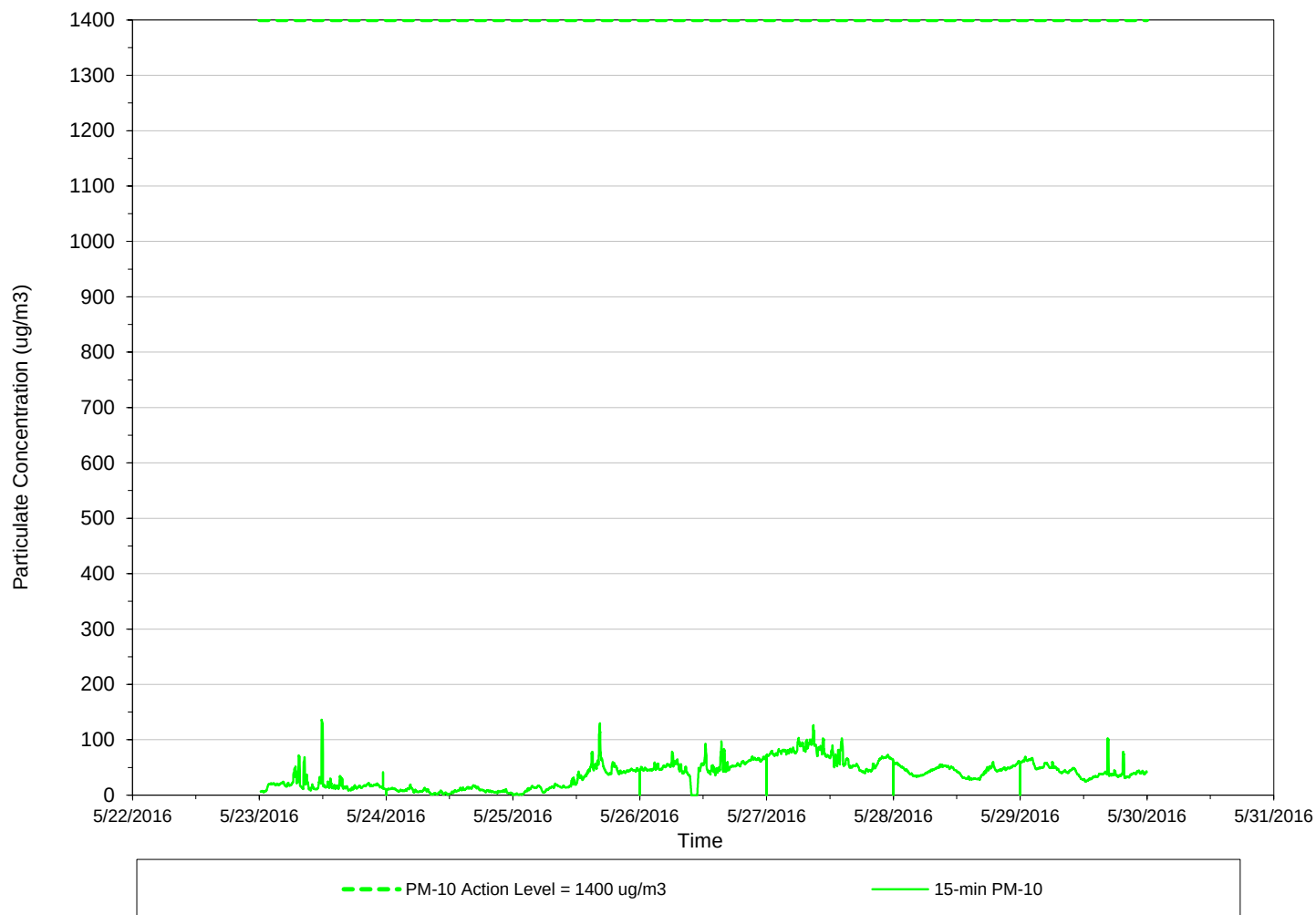
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 30, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 38.12

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/23/2016	136.33
5/24/2016	19.24
5/25/2016	130.10
5/26/2016	97.55
5/27/2016	126.61
5/28/2016	61.66
5/29/2016	102.69

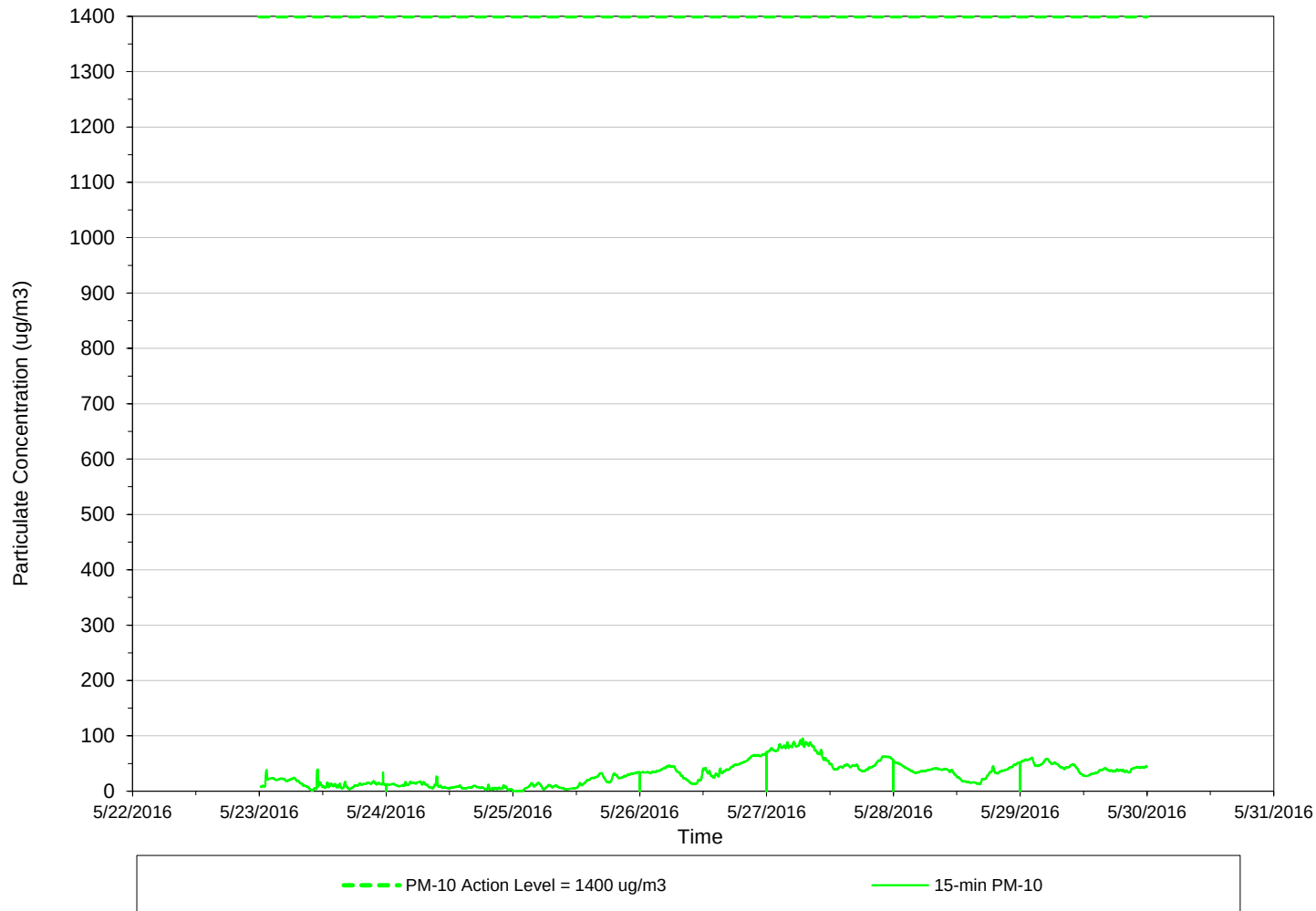
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 30, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 30.91

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/23/2016	39.14
5/24/2016	27.03
5/25/2016	34.50
5/26/2016	69.92
5/27/2016	95.51
5/28/2016	55.73
5/29/2016	60.65

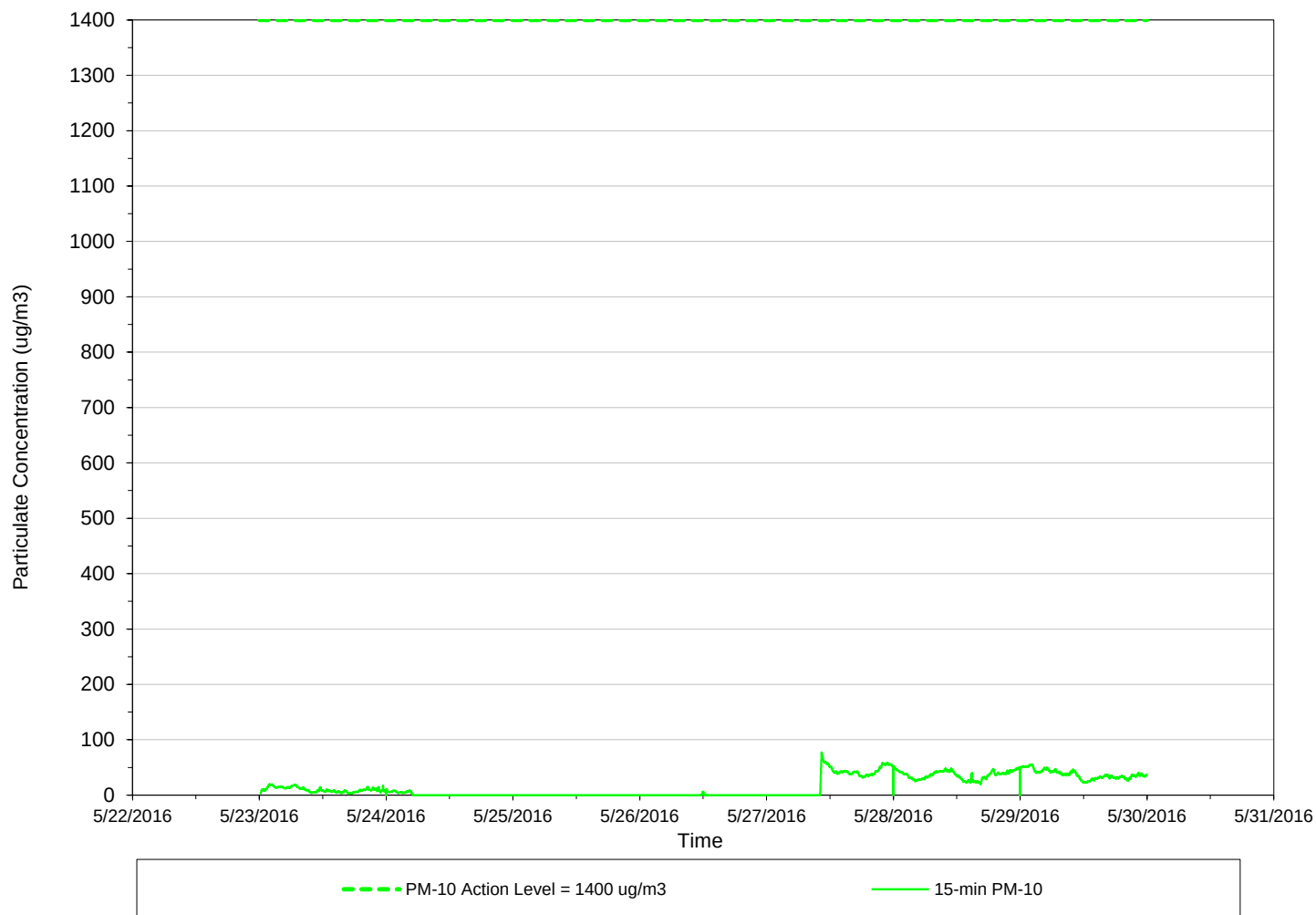
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 30, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 15.87

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/23/2016	20.14
5/24/2016	10.99
5/25/2016	0.00
5/26/2016	6.09
5/27/2016	77.23
5/28/2016	51.68
5/29/2016	55.49

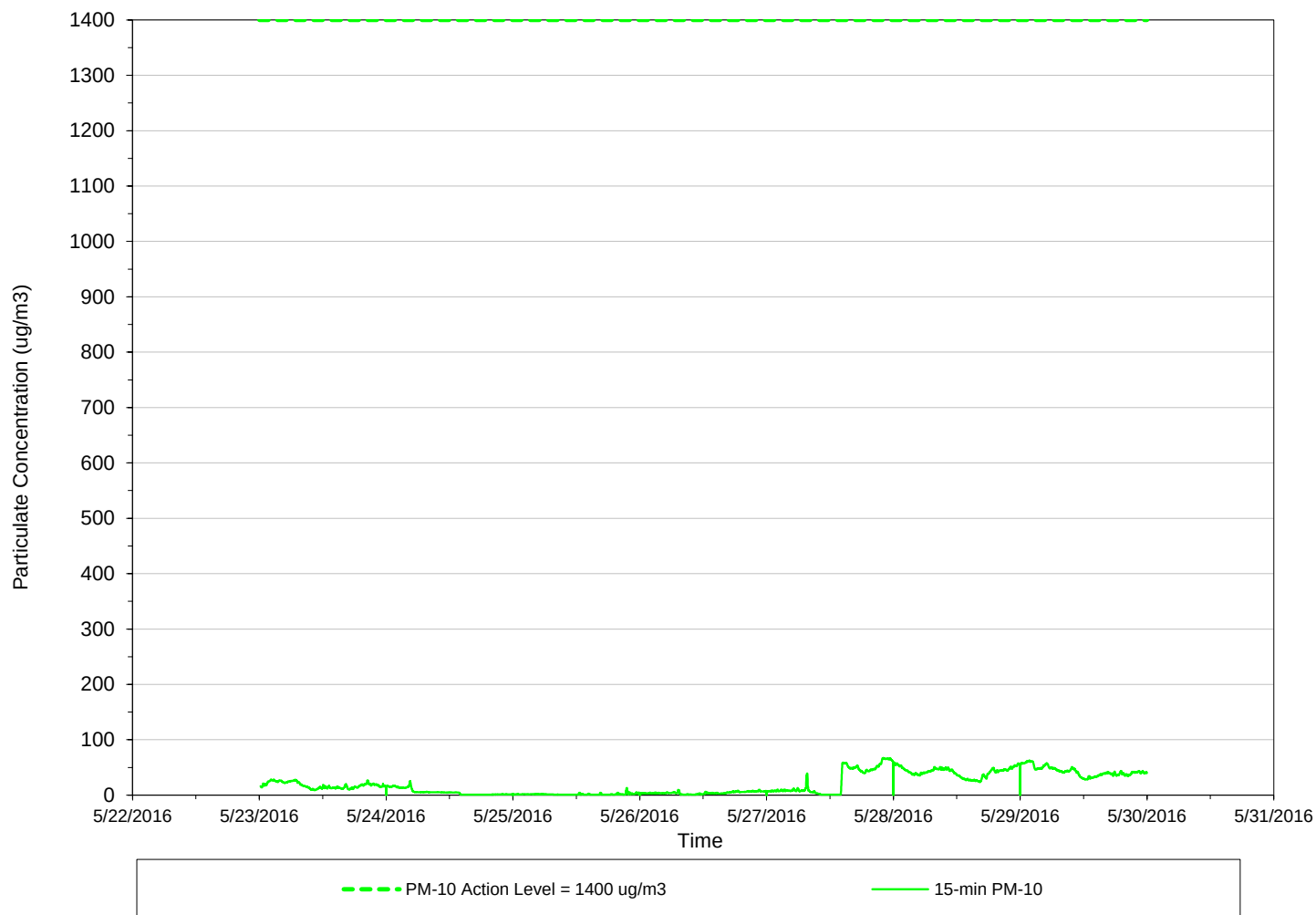
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 30, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 19.91

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/23/2016	28.38
5/24/2016	25.40
5/25/2016	13.03
5/26/2016	9.55
5/27/2016	66.89
5/28/2016	58.95
5/29/2016	62.24

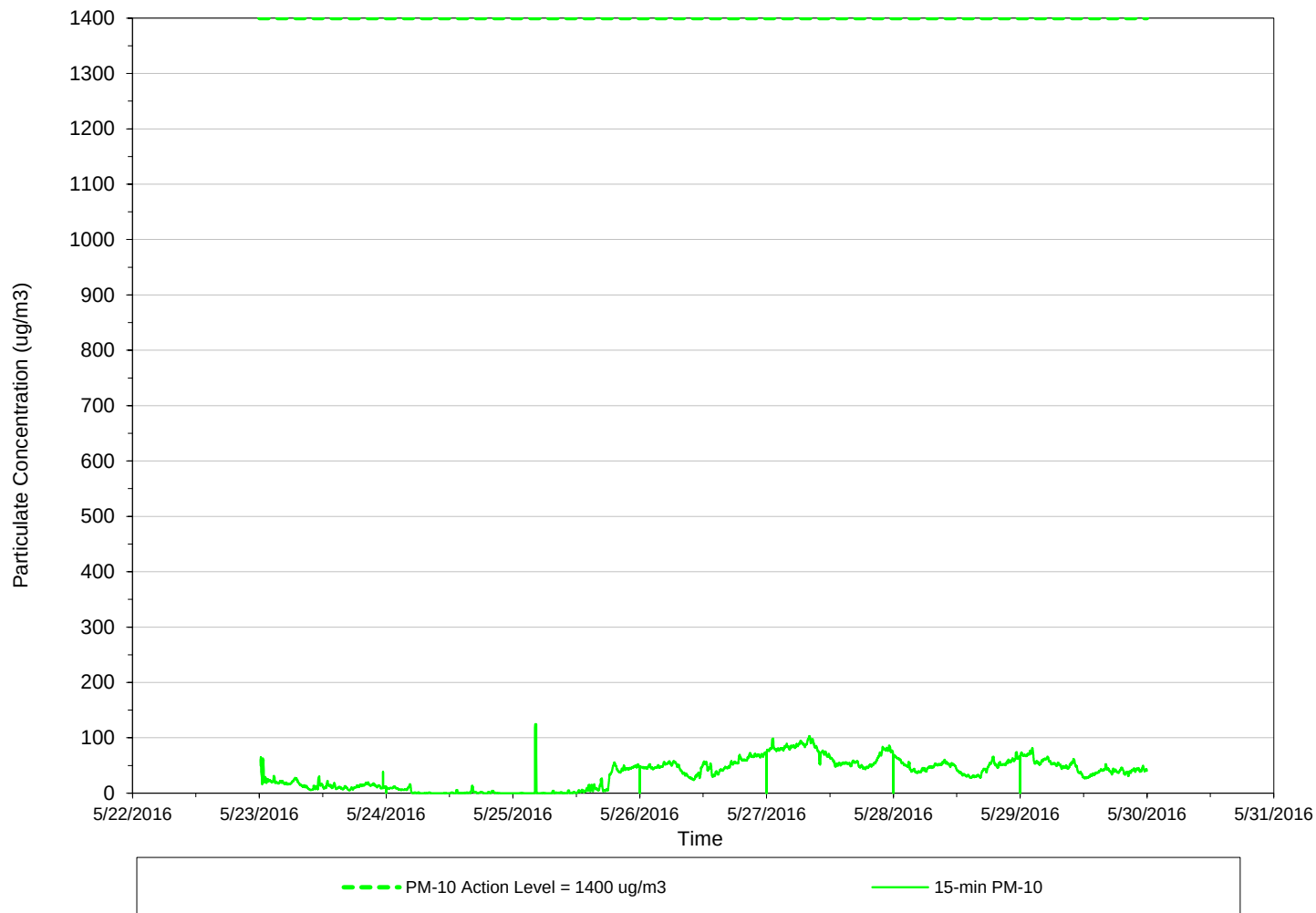
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 30, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 35.31

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/23/2016	64.66
5/24/2016	16.38
5/25/2016	124.54
5/26/2016	73.65
5/27/2016	103.32
5/28/2016	74.38
5/29/2016	81.73

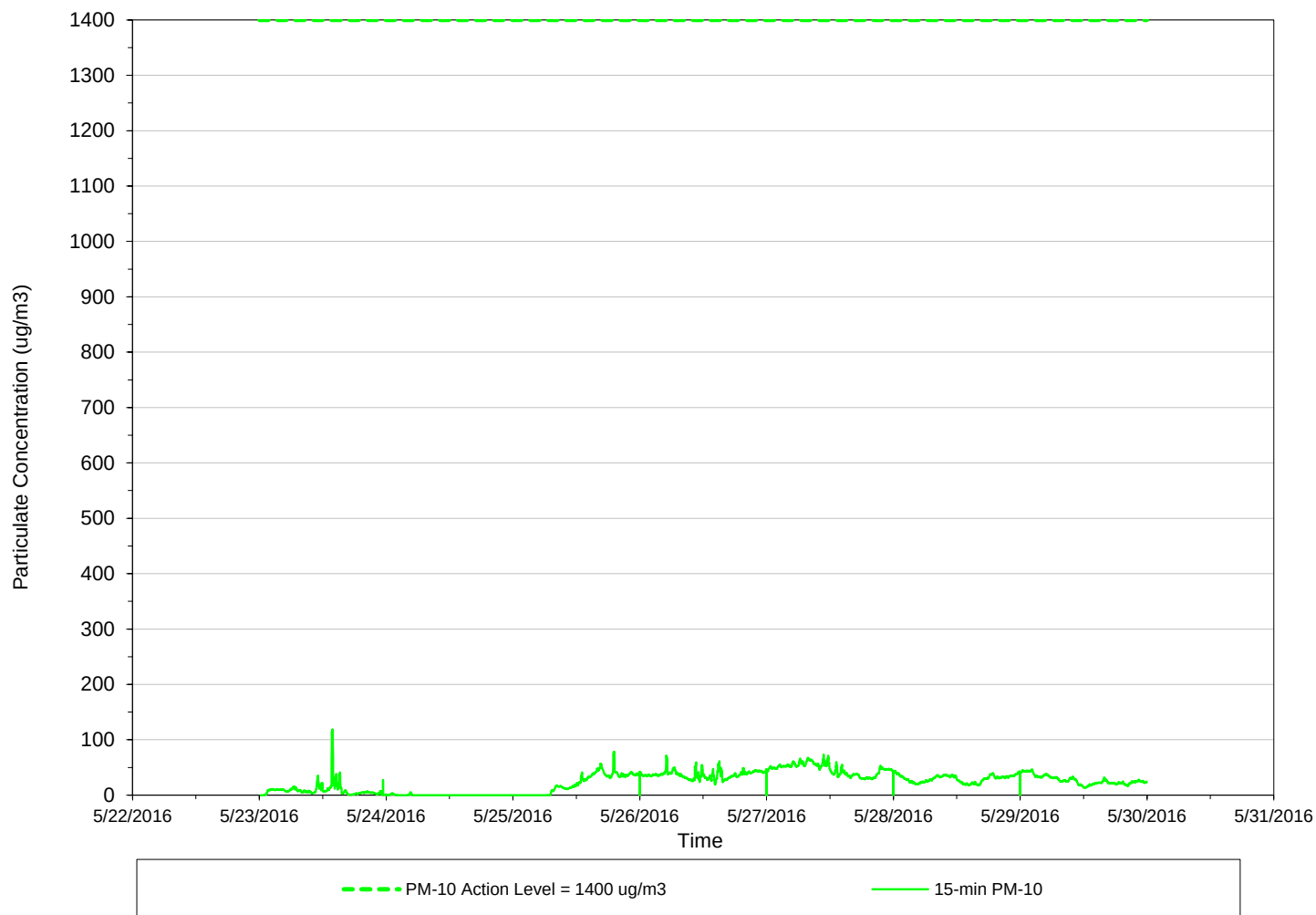
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

May 30, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 24.48

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/23/2016	118.34
5/24/2016	5.24
5/25/2016	77.94
5/26/2016	71.26
5/27/2016	73.17
5/28/2016	43.95
5/29/2016	46.48

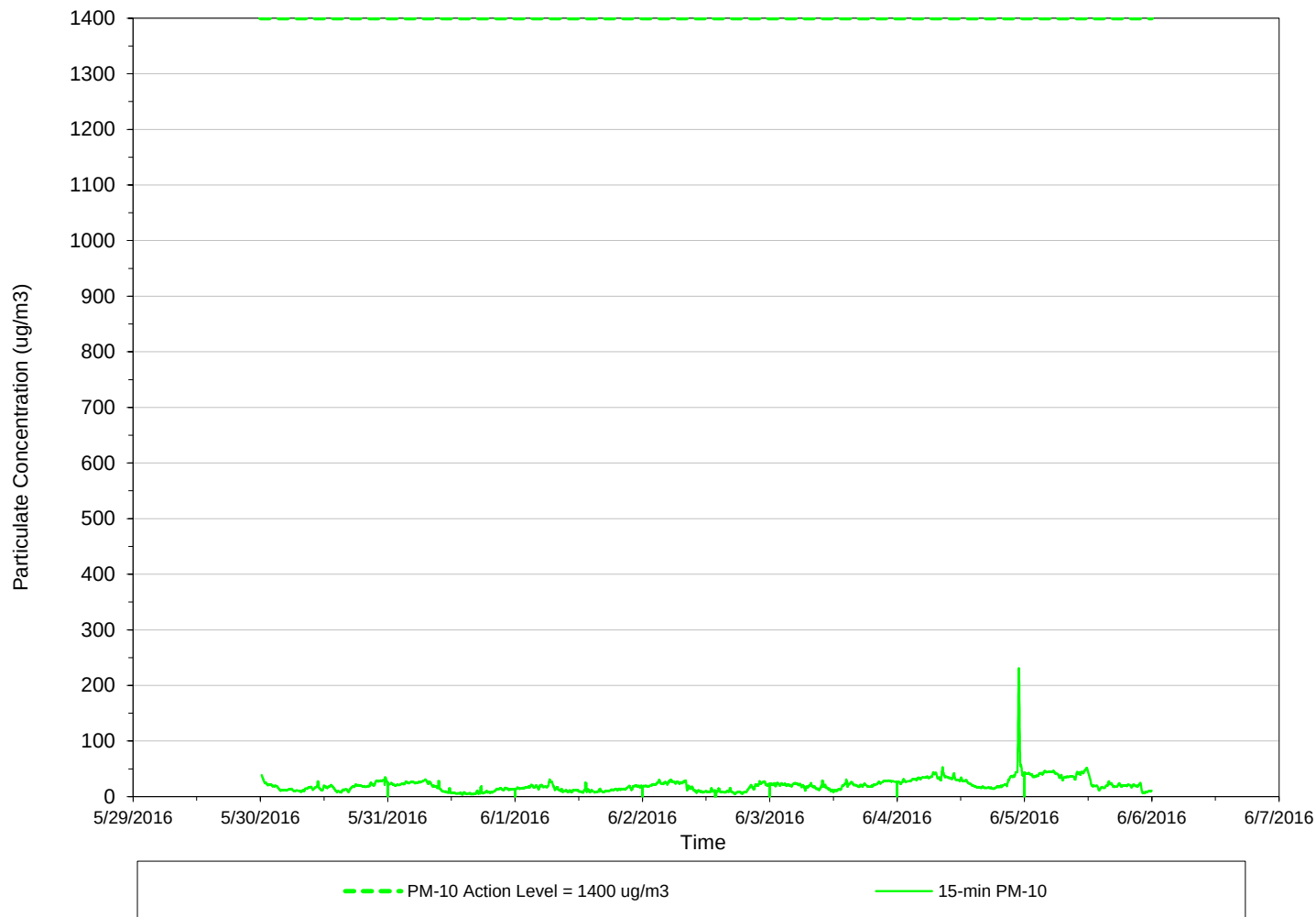
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 06,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 20.70

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/30/2016	38.88
5/31/2016	30.96
6/1/2016	31.03
6/2/2016	30.81
6/3/2016	31.00
6/4/2016	231.04
6/5/2016	51.89

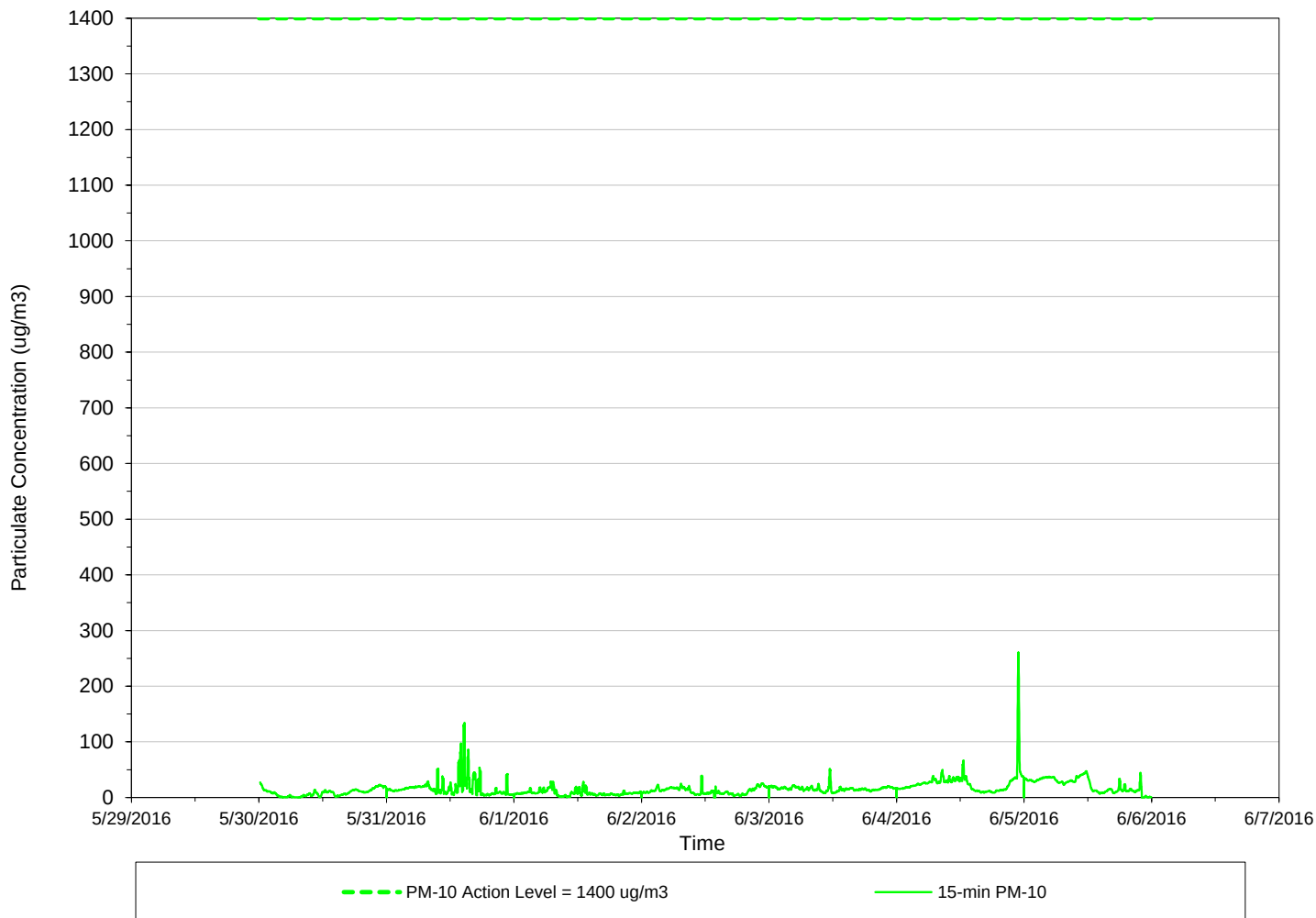
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 06,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 16.09

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
5/30/2016	27.24
5/31/2016	134.30
6/1/2016	28.95
6/2/2016	39.46
6/3/2016	51.53
6/4/2016	260.45
6/5/2016	47.21

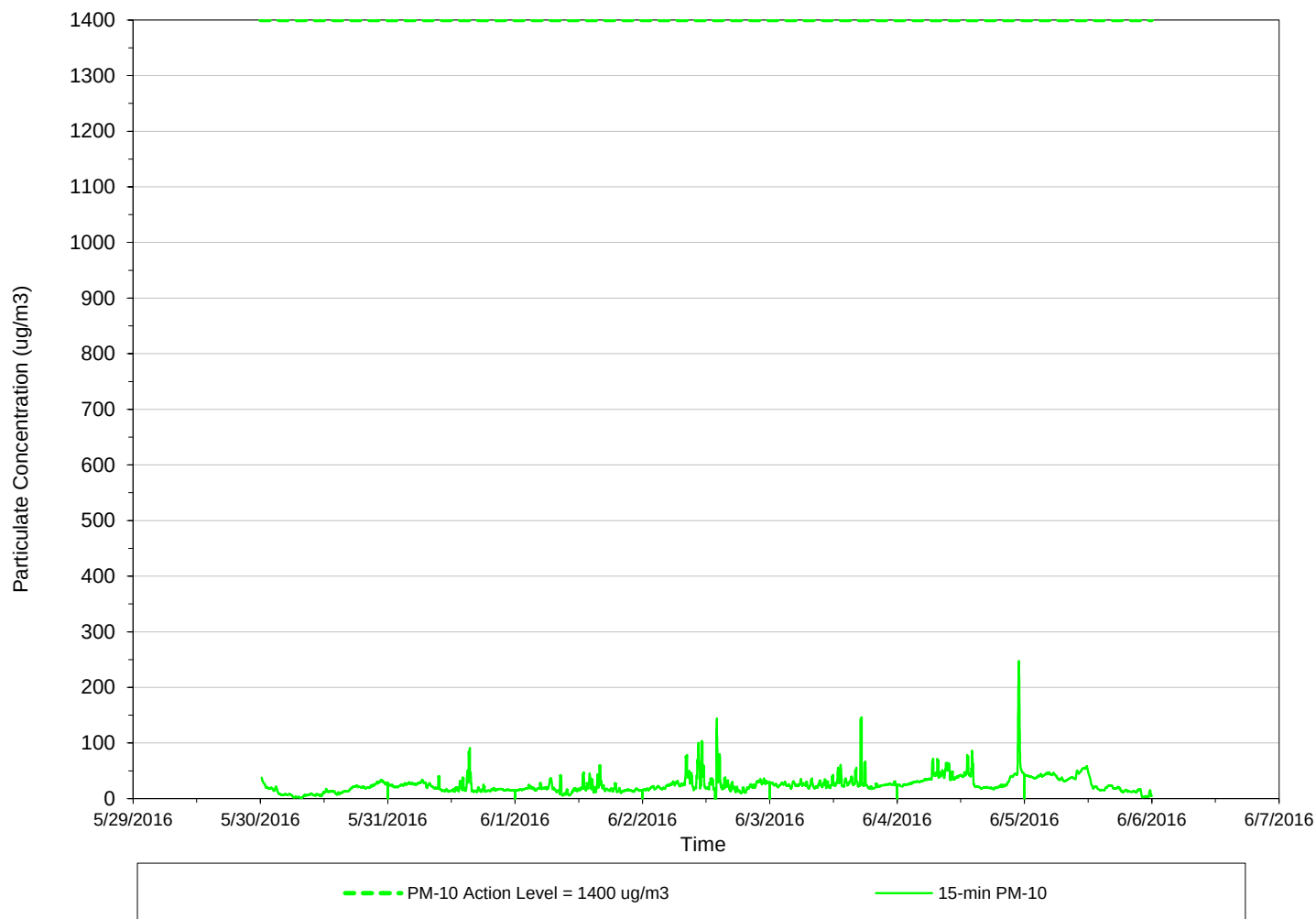
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 06,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 25.08

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/30/2016	37.80
5/31/2016	91.29
6/1/2016	59.88
6/2/2016	144.51
6/3/2016	146.07
6/4/2016	247.51
6/5/2016	58.58

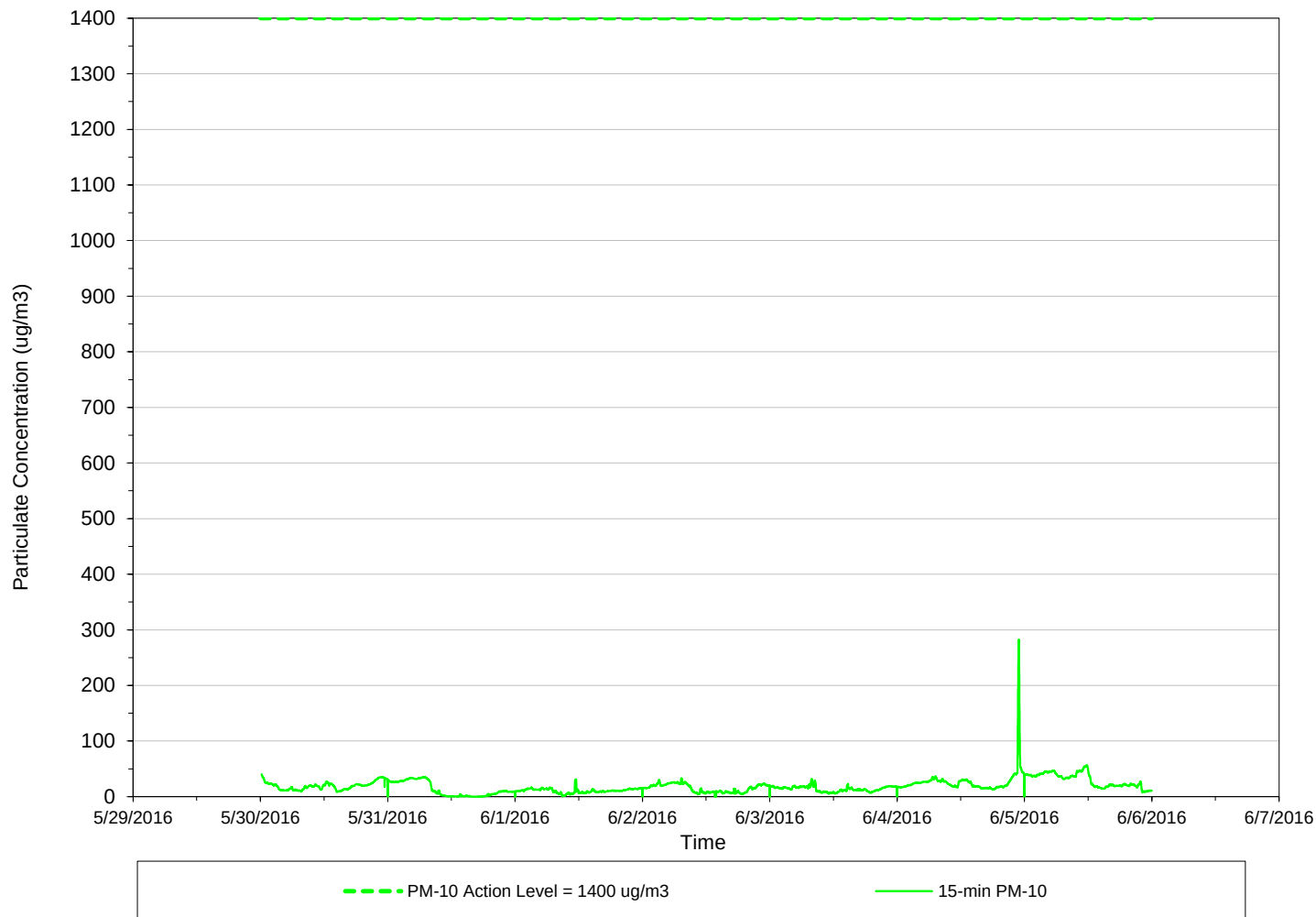
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 06,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 18.51

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/30/2016	40.37
5/31/2016	35.49
6/1/2016	30.99
6/2/2016	33.00
6/3/2016	31.69
6/4/2016	281.91
6/5/2016	56.65

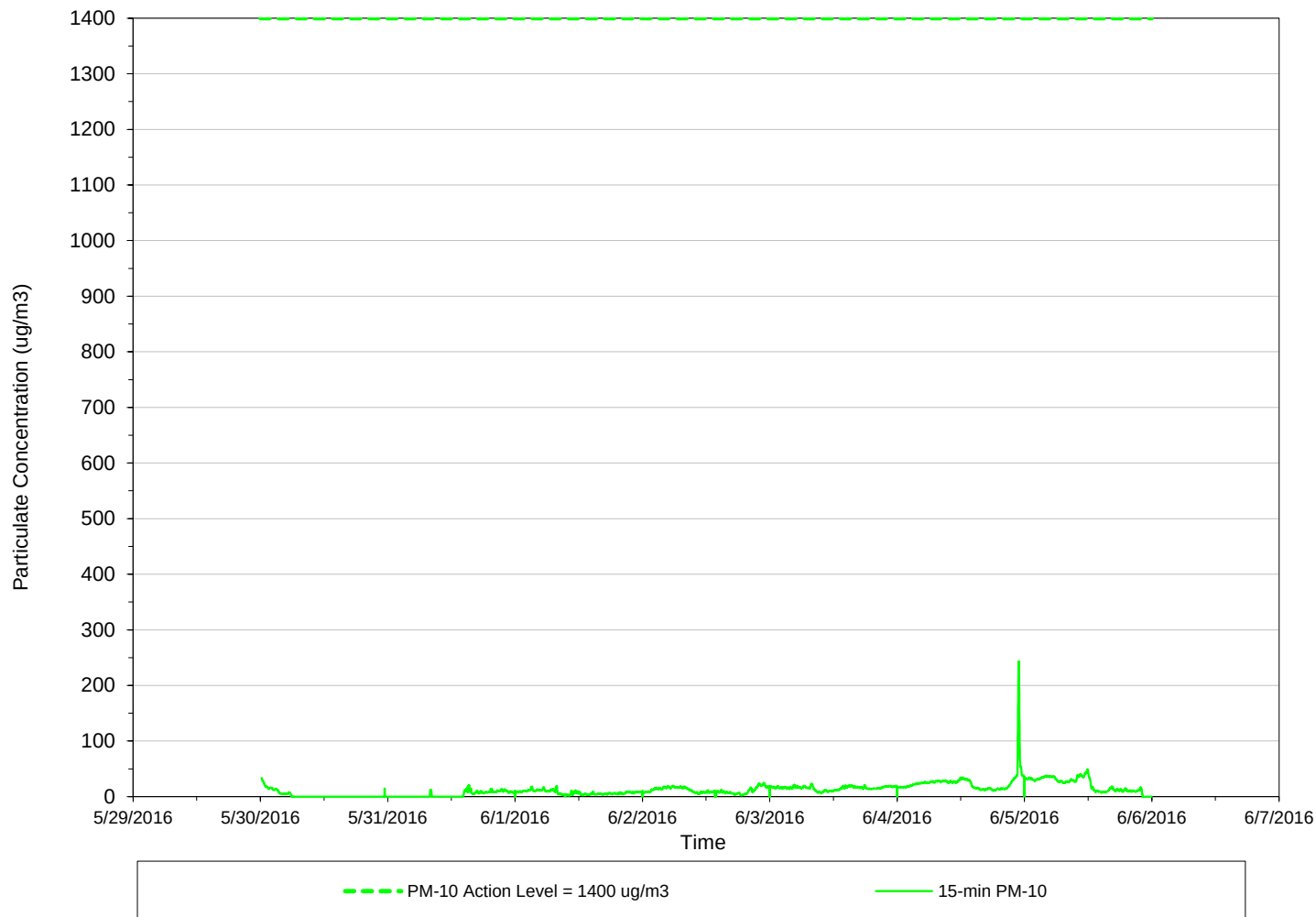
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 06,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.65

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/30/2016	33.49
5/31/2016	20.16
6/1/2016	19.36
6/2/2016	24.72
6/3/2016	23.44
6/4/2016	243.06
6/5/2016	49.20

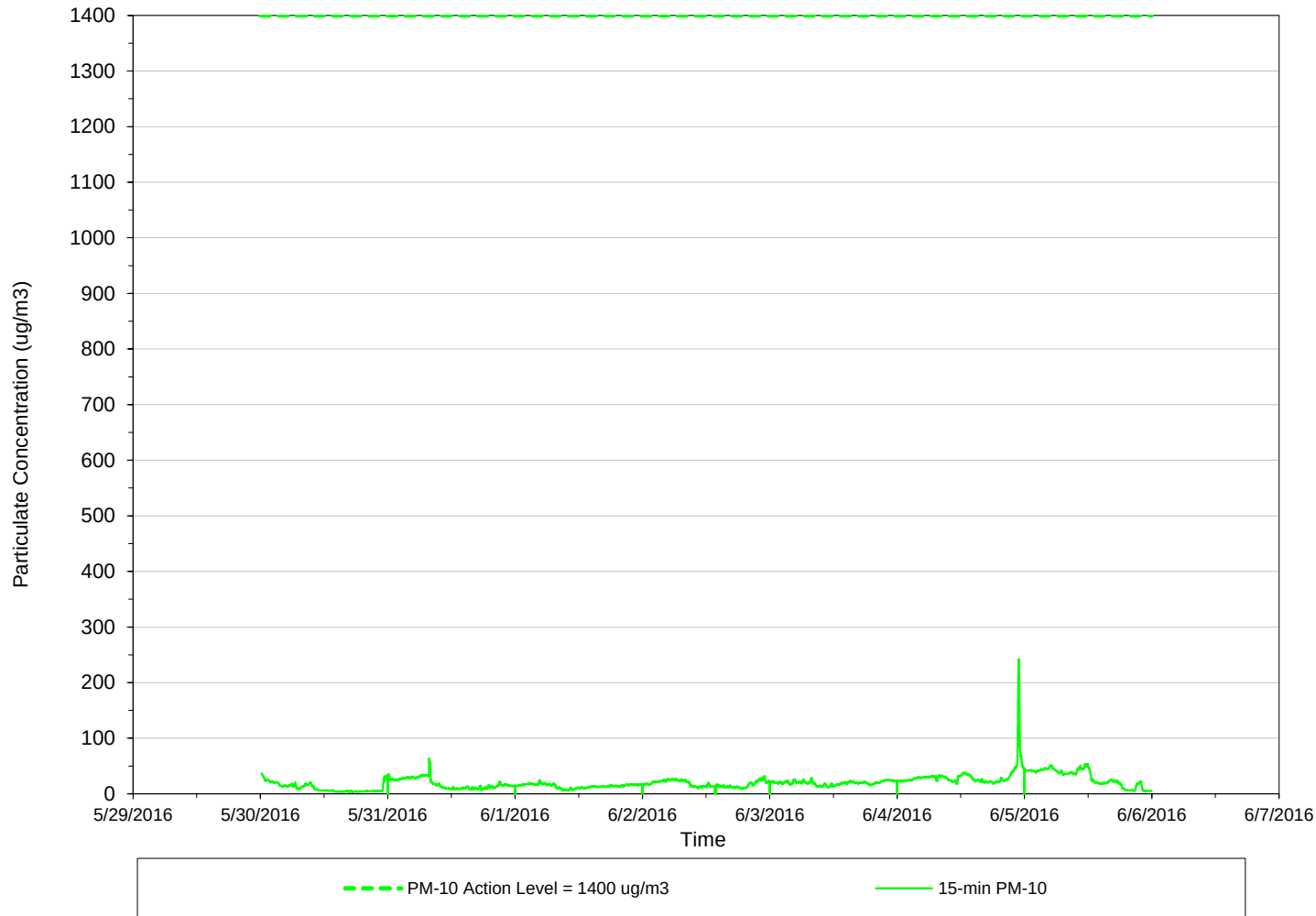
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 06,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 20.26

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/30/2016	36.34
5/31/2016	63.17
6/1/2016	24.47
6/2/2016	32.09
6/3/2016	28.89
6/4/2016	241.85
6/5/2016	53.73

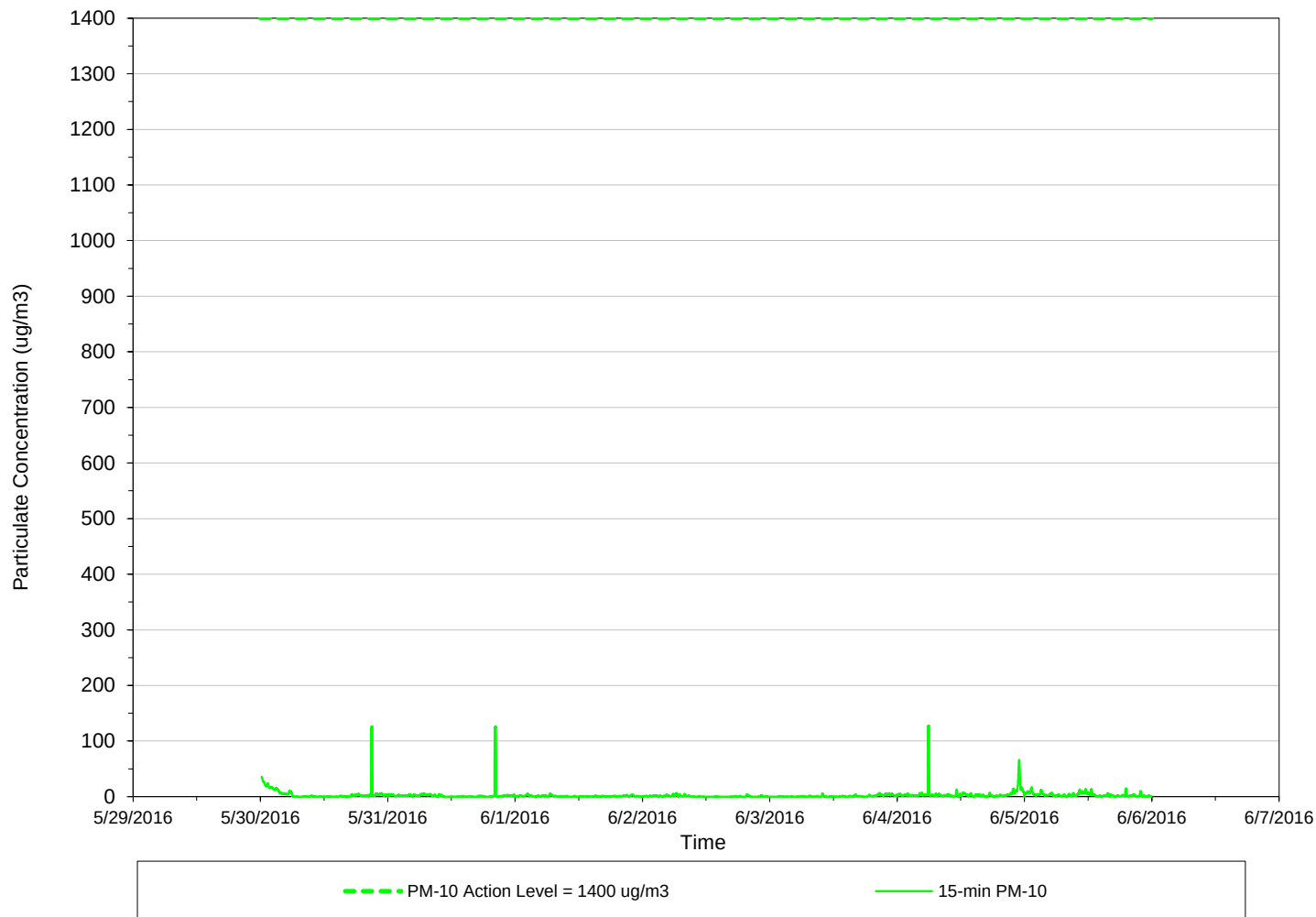
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 06,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.93

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/30/2016	126.53
5/31/2016	125.65
6/1/2016	5.85
6/2/2016	6.55
6/3/2016	6.68
6/4/2016	128.04
6/5/2016	16.89

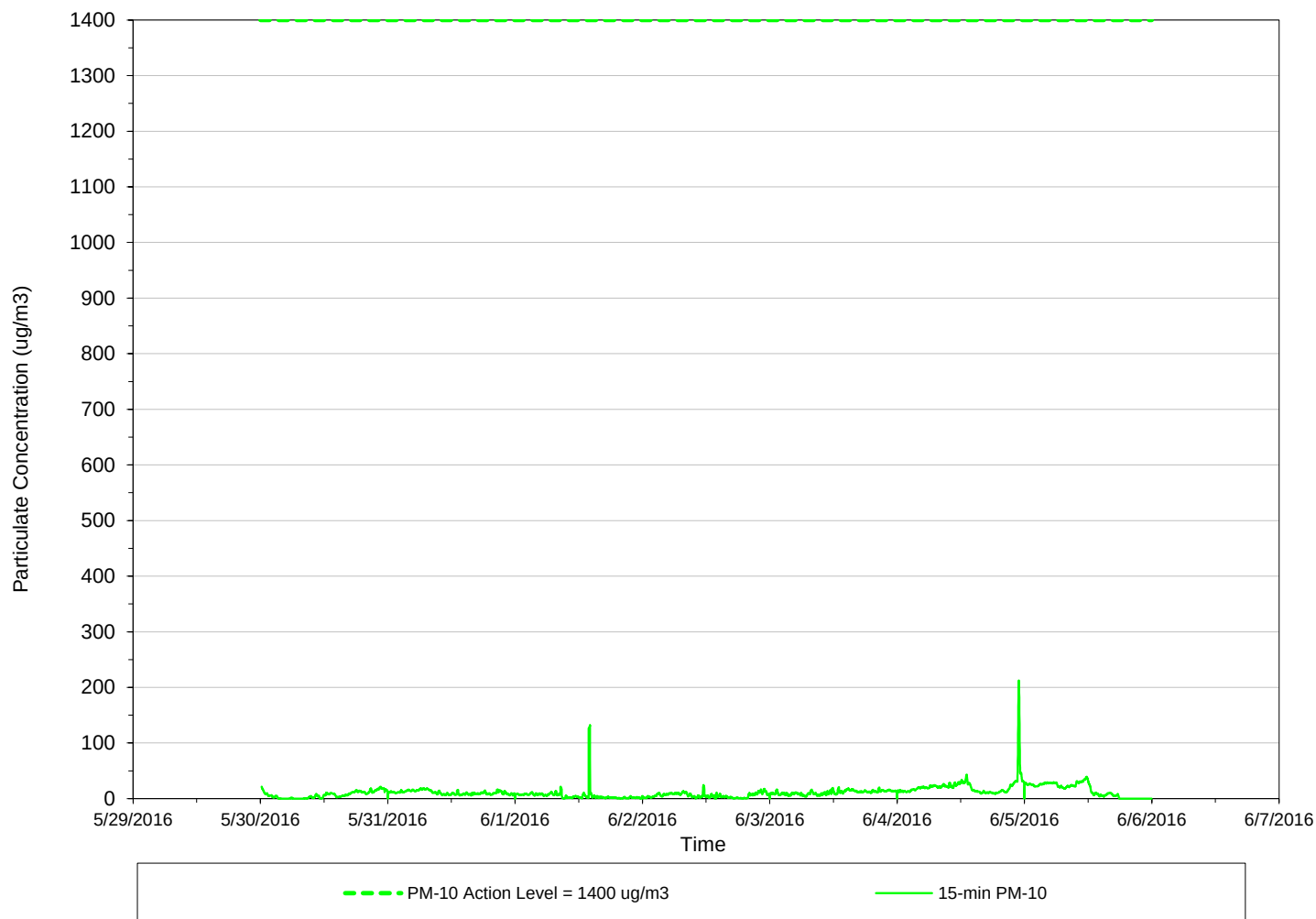
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 06,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.10

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

5/30/2016	21.38
5/31/2016	18.84
6/1/2016	131.89
6/2/2016	24.46
6/3/2016	20.47
6/4/2016	212.65
6/5/2016	39.36

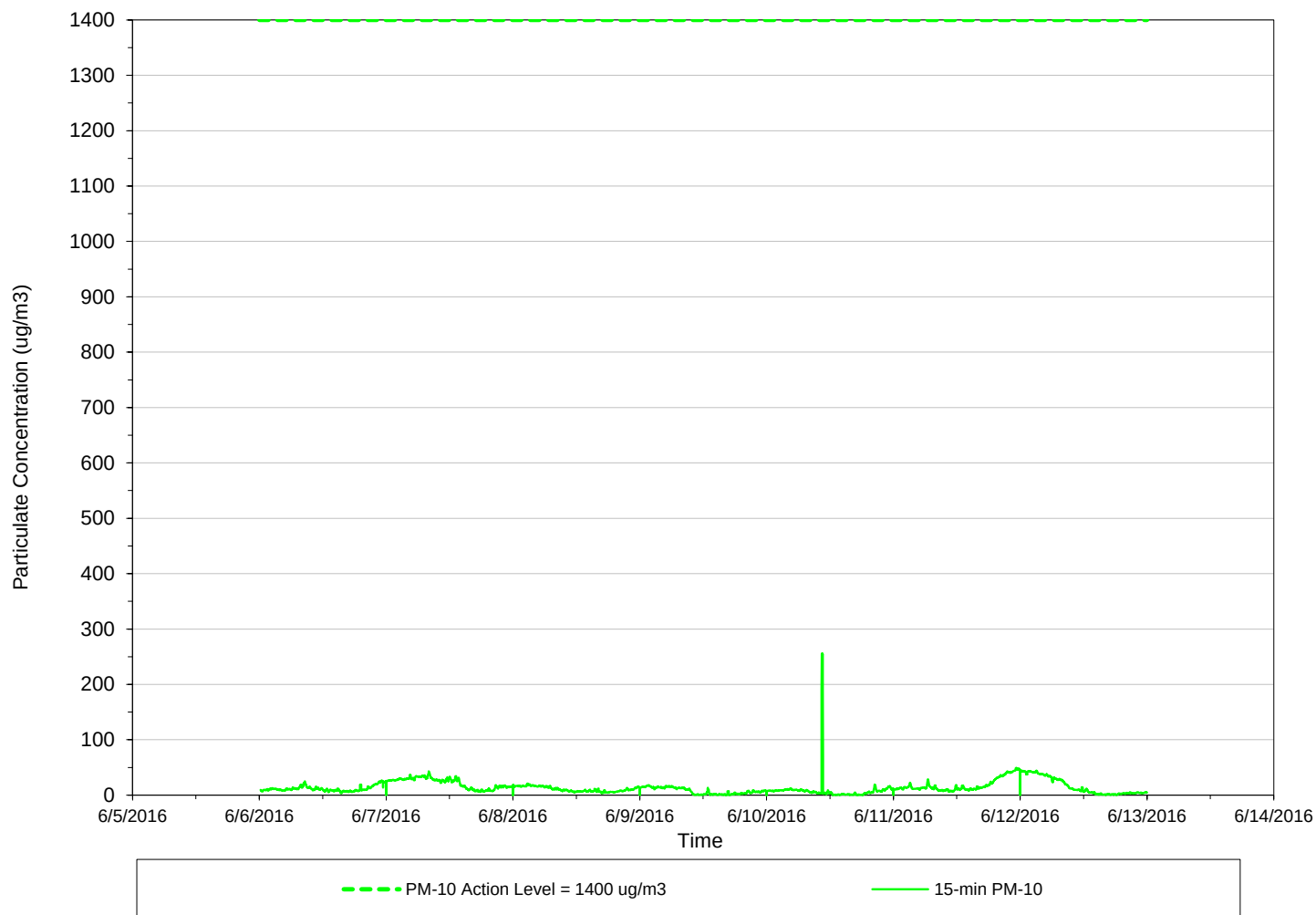
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 13, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.59

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/6/2016	26.62
6/7/2016	43.23
6/8/2016	20.89
6/9/2016	18.12
6/10/2016	255.46
6/11/2016	49.51
6/12/2016	45.46

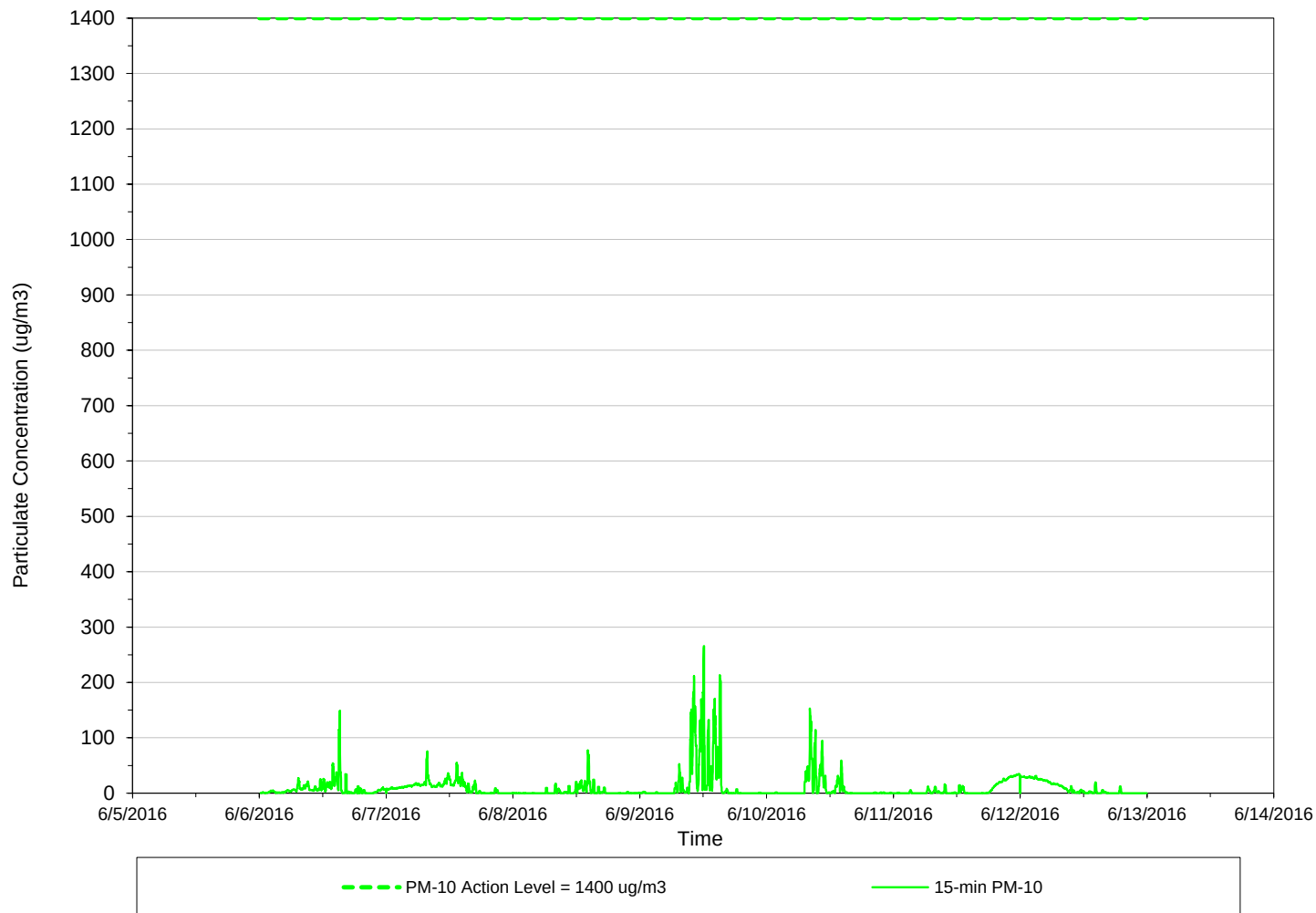
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 13, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 10.14

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/6/2016	148.94
6/7/2016	75.65
6/8/2016	77.29
6/9/2016	265.72
6/10/2016	152.93
6/11/2016	34.54
6/12/2016	31.21

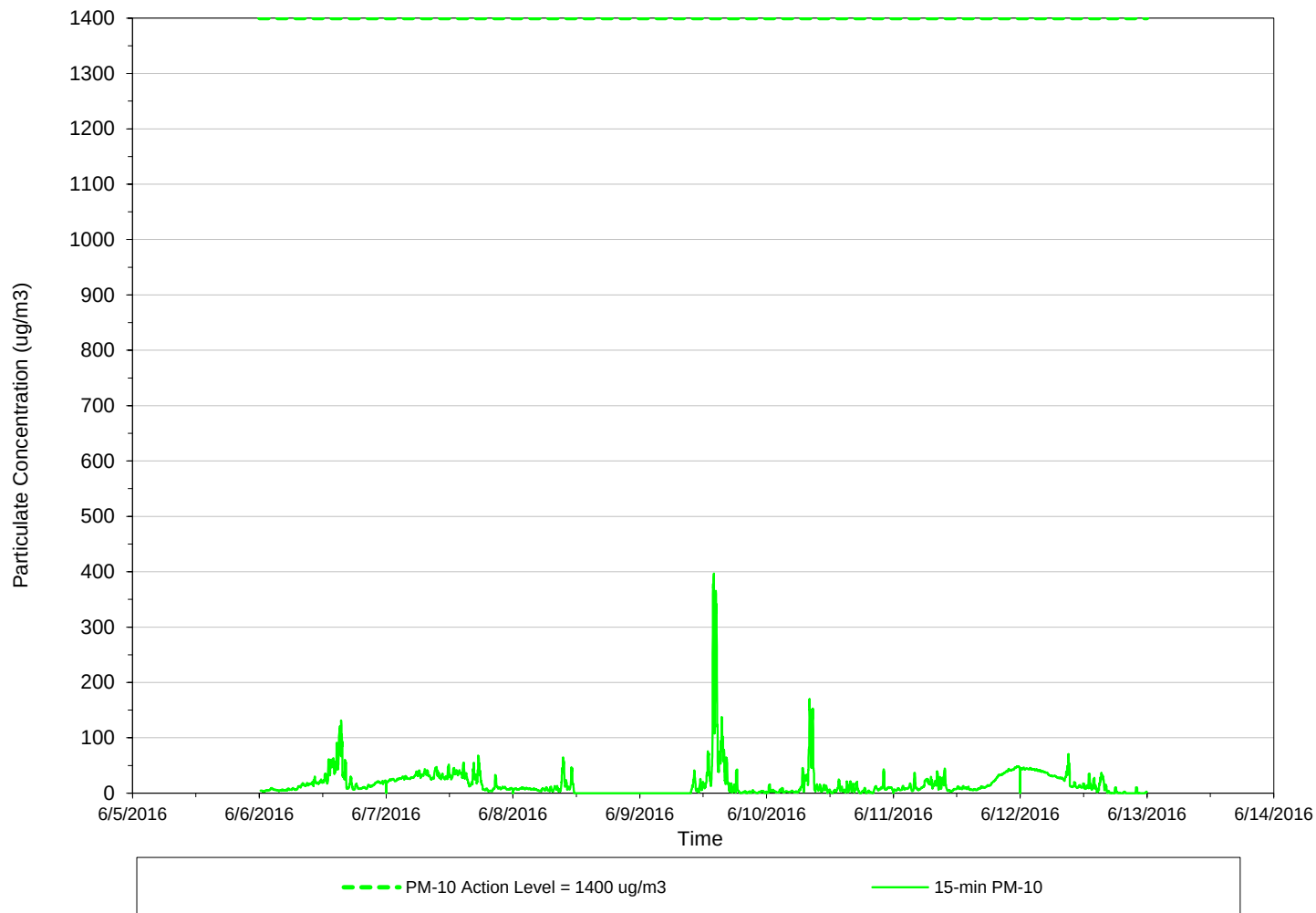
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 13, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 16.97

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/6/2016	131.59
6/7/2016	68.00
6/8/2016	64.58
6/9/2016	396.63
6/10/2016	169.87
6/11/2016	48.36
6/12/2016	70.59

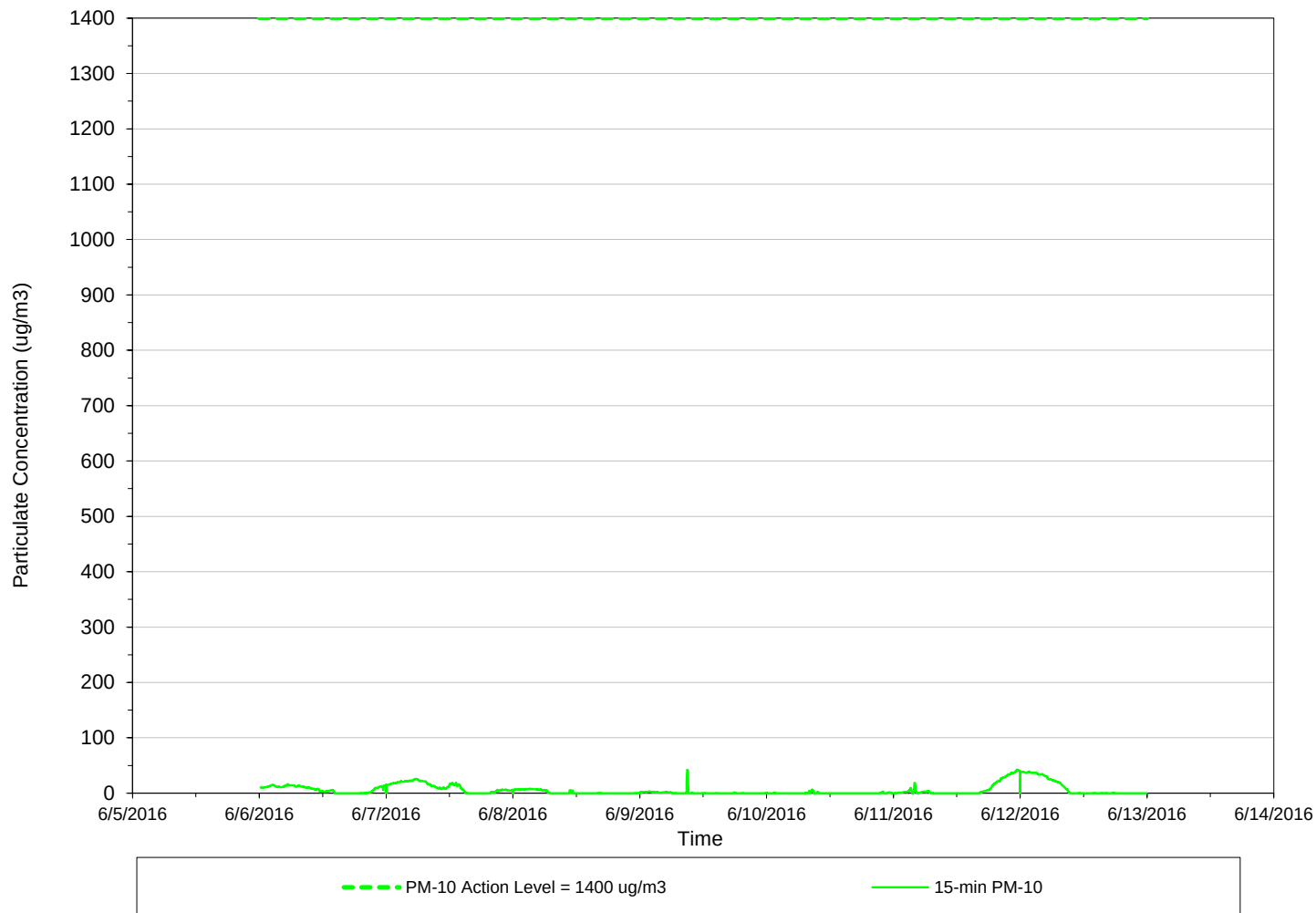
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 13, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.70

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
6/6/2016	16.23
6/7/2016	25.89
6/8/2016	8.01
6/9/2016	42.34
6/10/2016	6.48
6/11/2016	42.65
6/12/2016	39.23

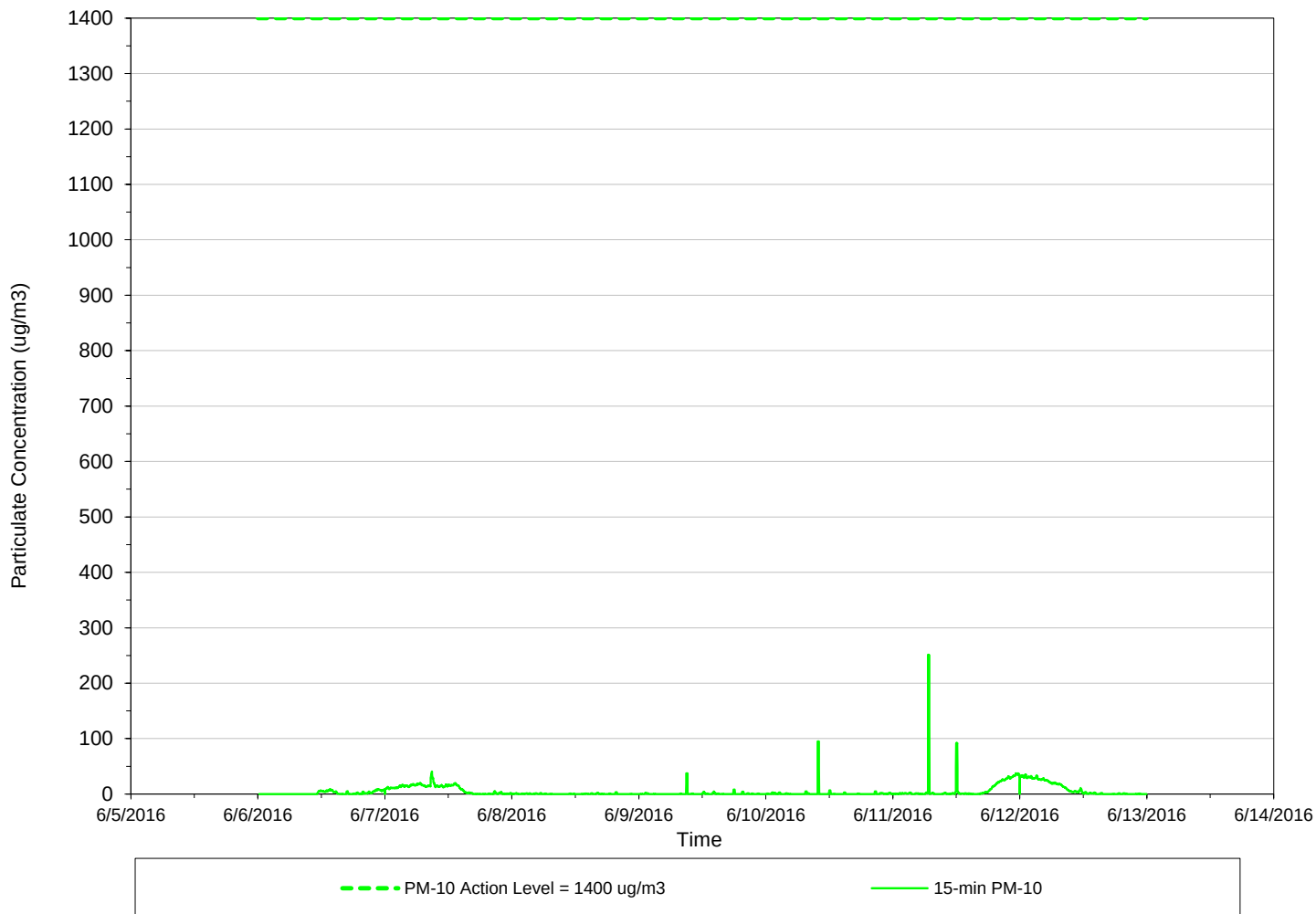
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 13, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.90

Daily
Data Summary Statistics

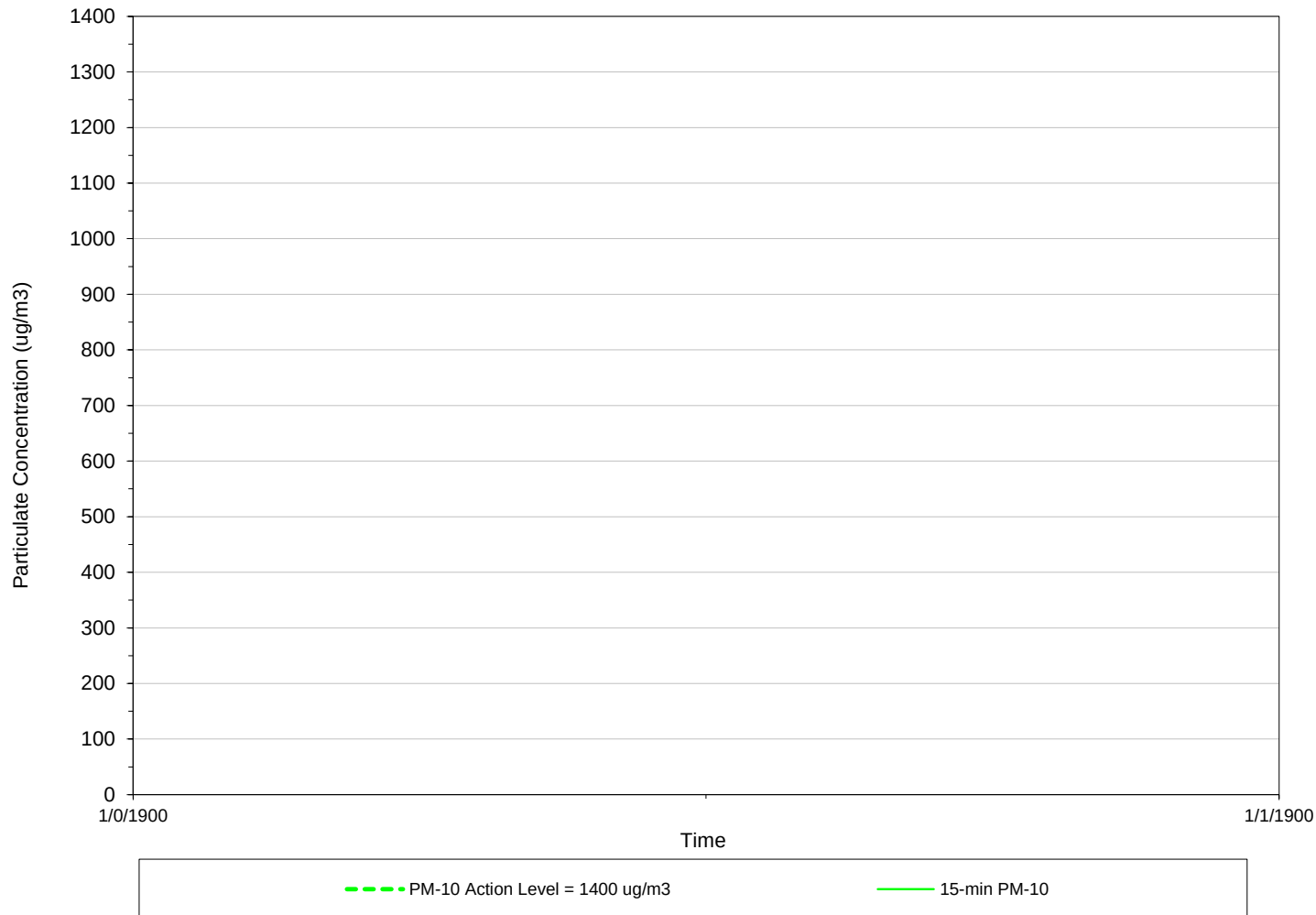
PM10 max=	(15Min Avg)
6/6/2016	9.17
6/7/2016	40.51
6/8/2016	3.18
6/9/2016	37.49
6/10/2016	94.87
6/11/2016	251.25
6/12/2016	34.90

Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

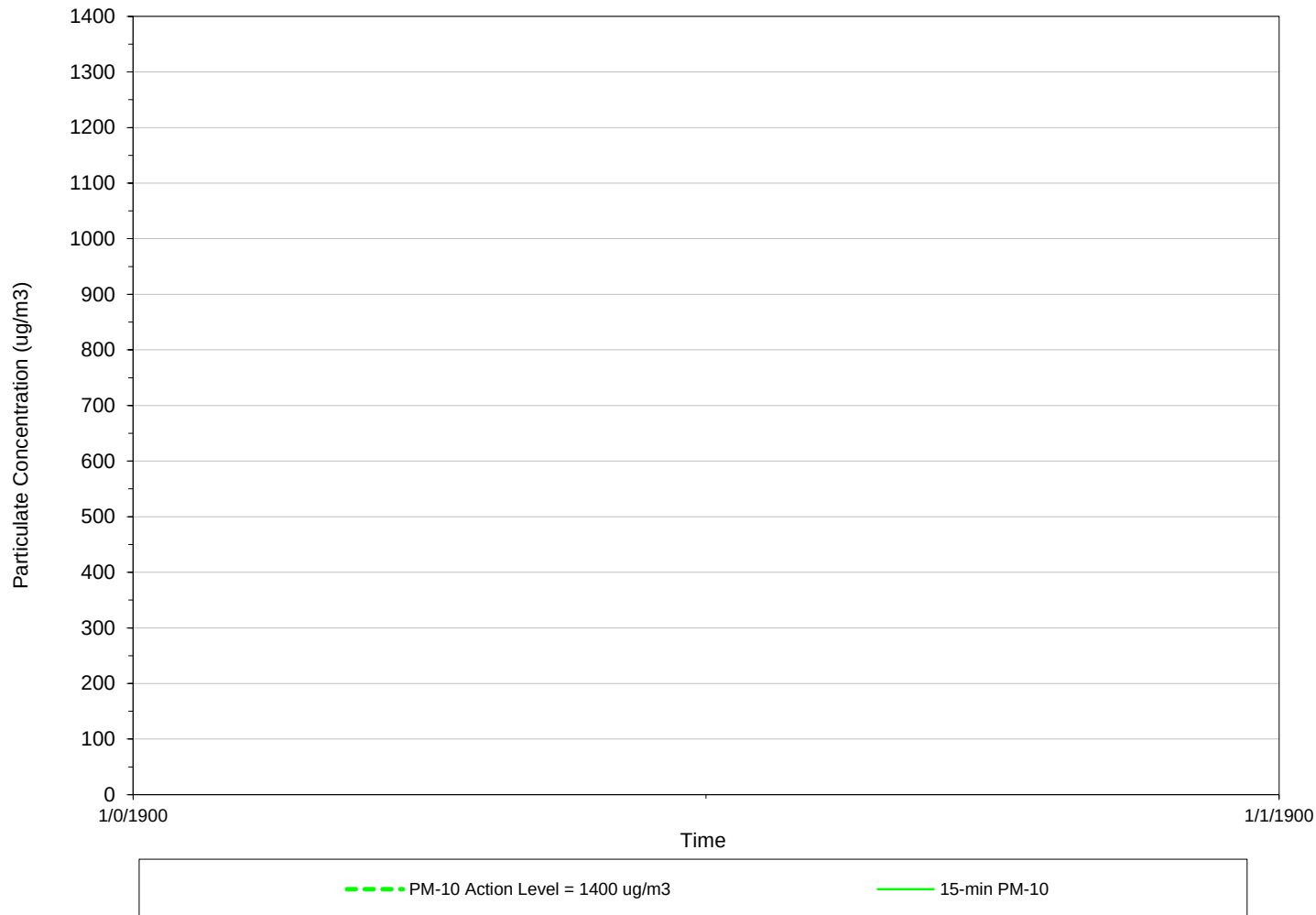
PM10 max= (15Min Avg)	
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

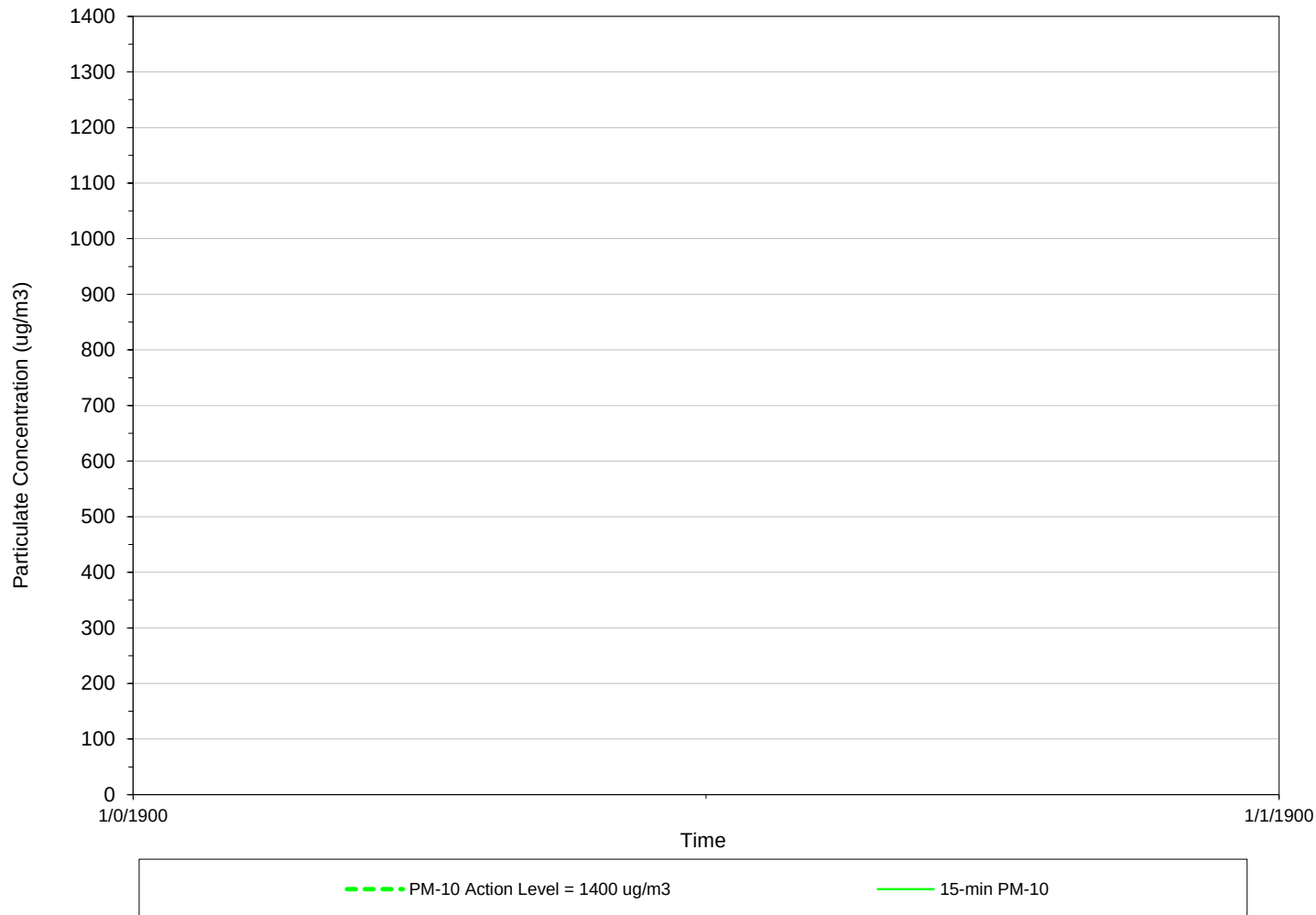
PM10 max= (15Min Avg)	
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

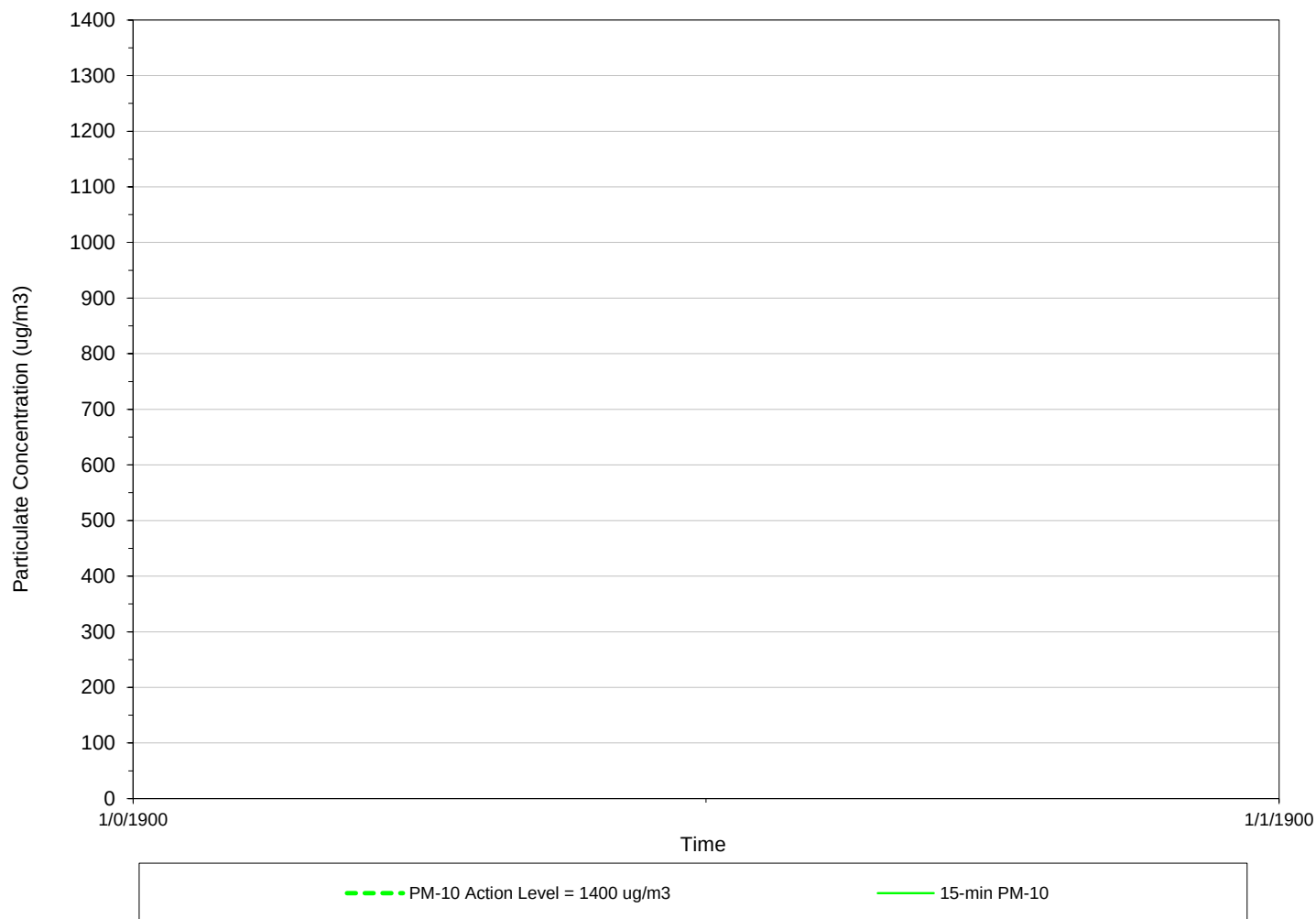
PM10 max= (15Min Avg)	
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

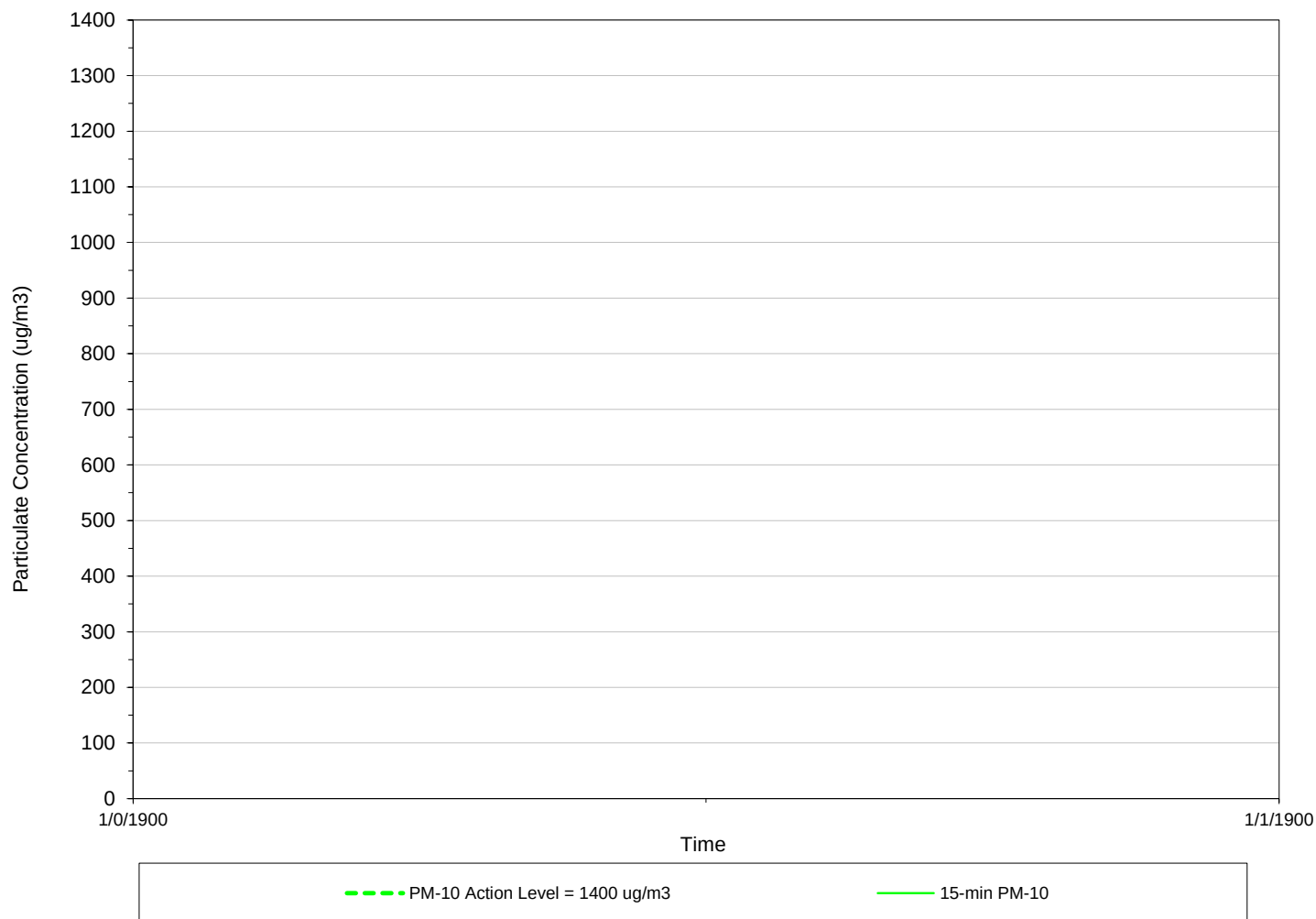
PM10 max= (15Min Avg)	
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

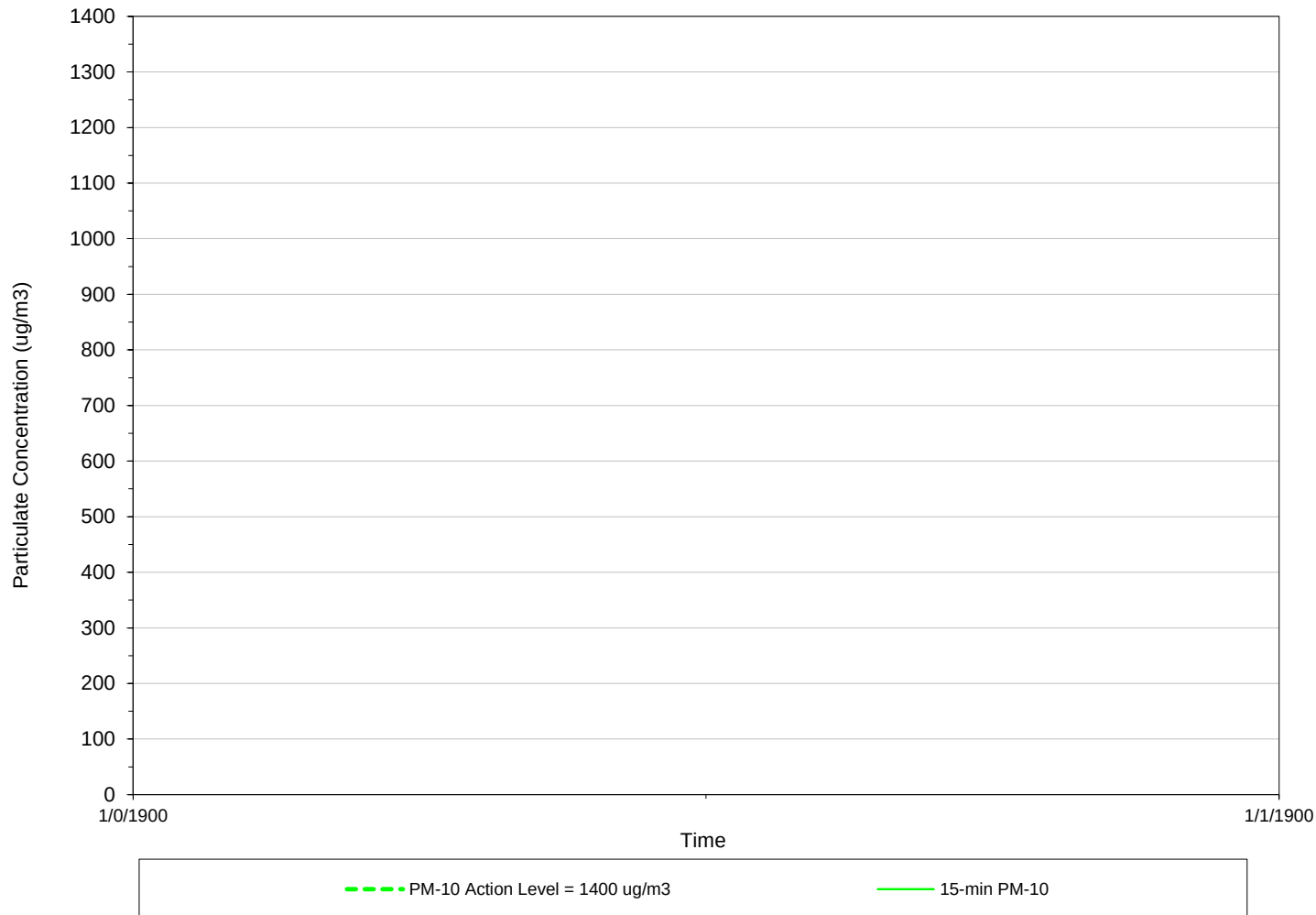
PM10 max= (15Min Avg)	
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

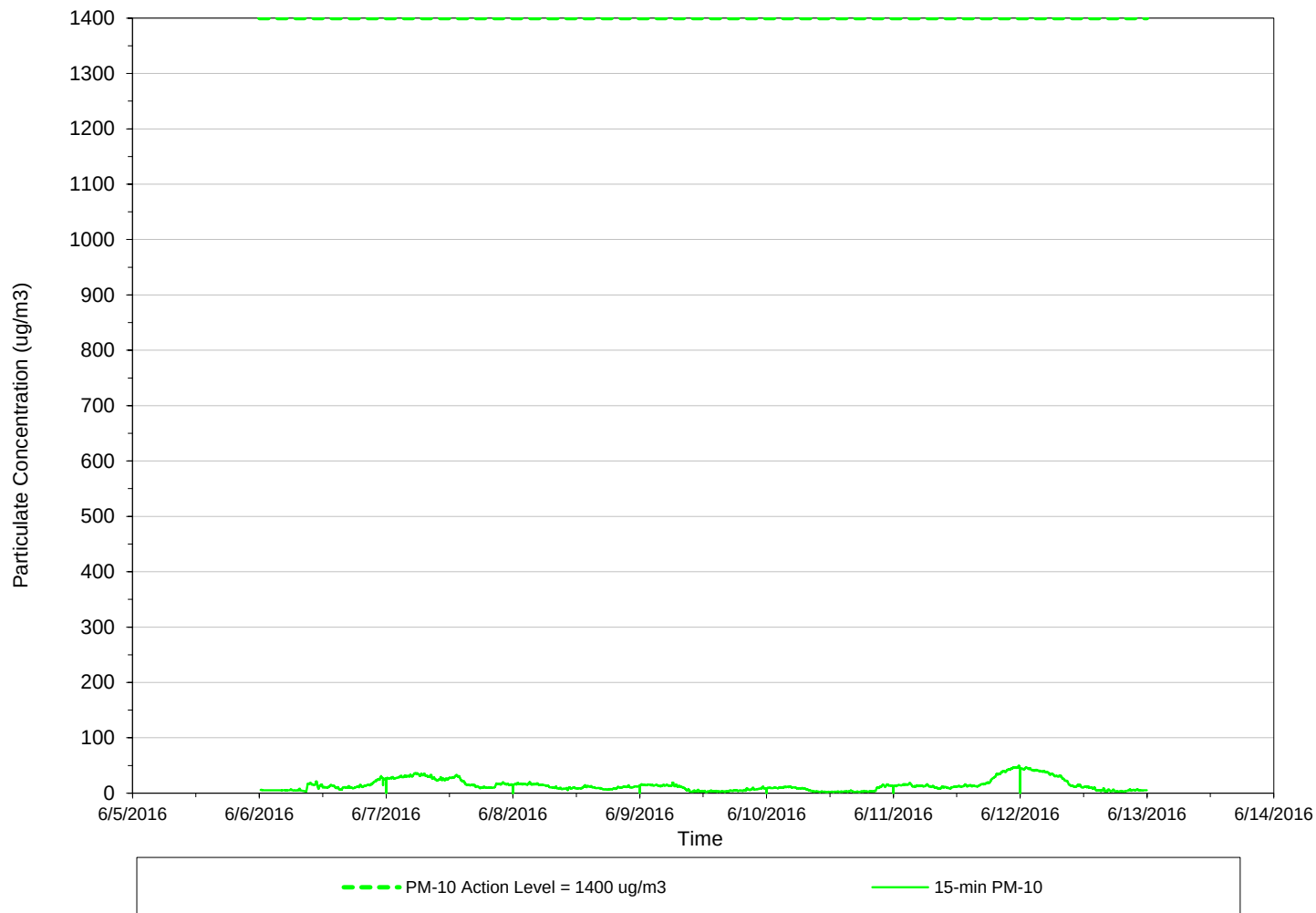
Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 13, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.98

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

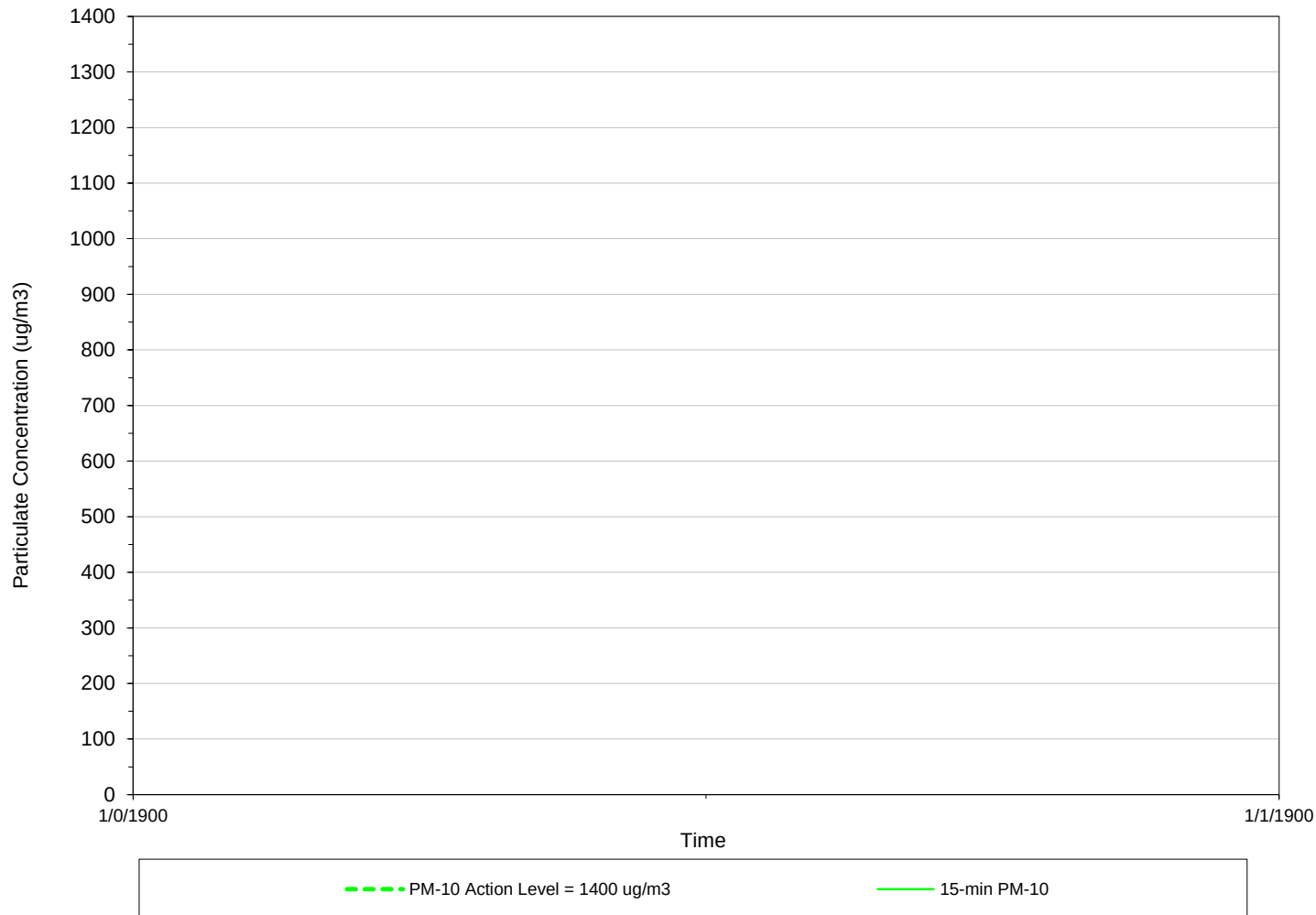
6/6/2016	30.92
6/7/2016	36.45
6/8/2016	19.72
6/9/2016	19.33
6/10/2016	16.08
6/11/2016	49.70
6/12/2016	46.43

Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

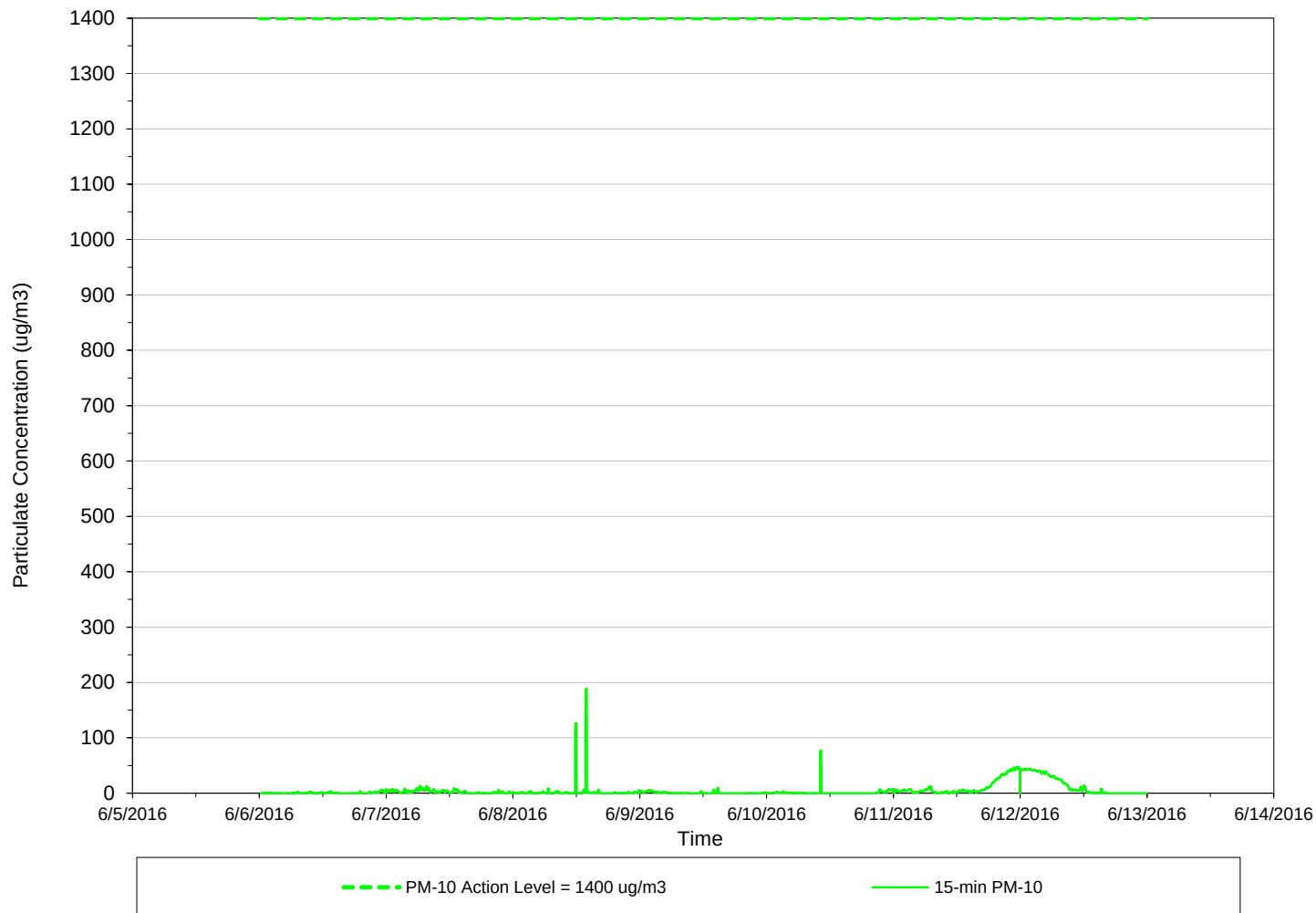
Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 13, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.03

Daily
Data Summary Statistics

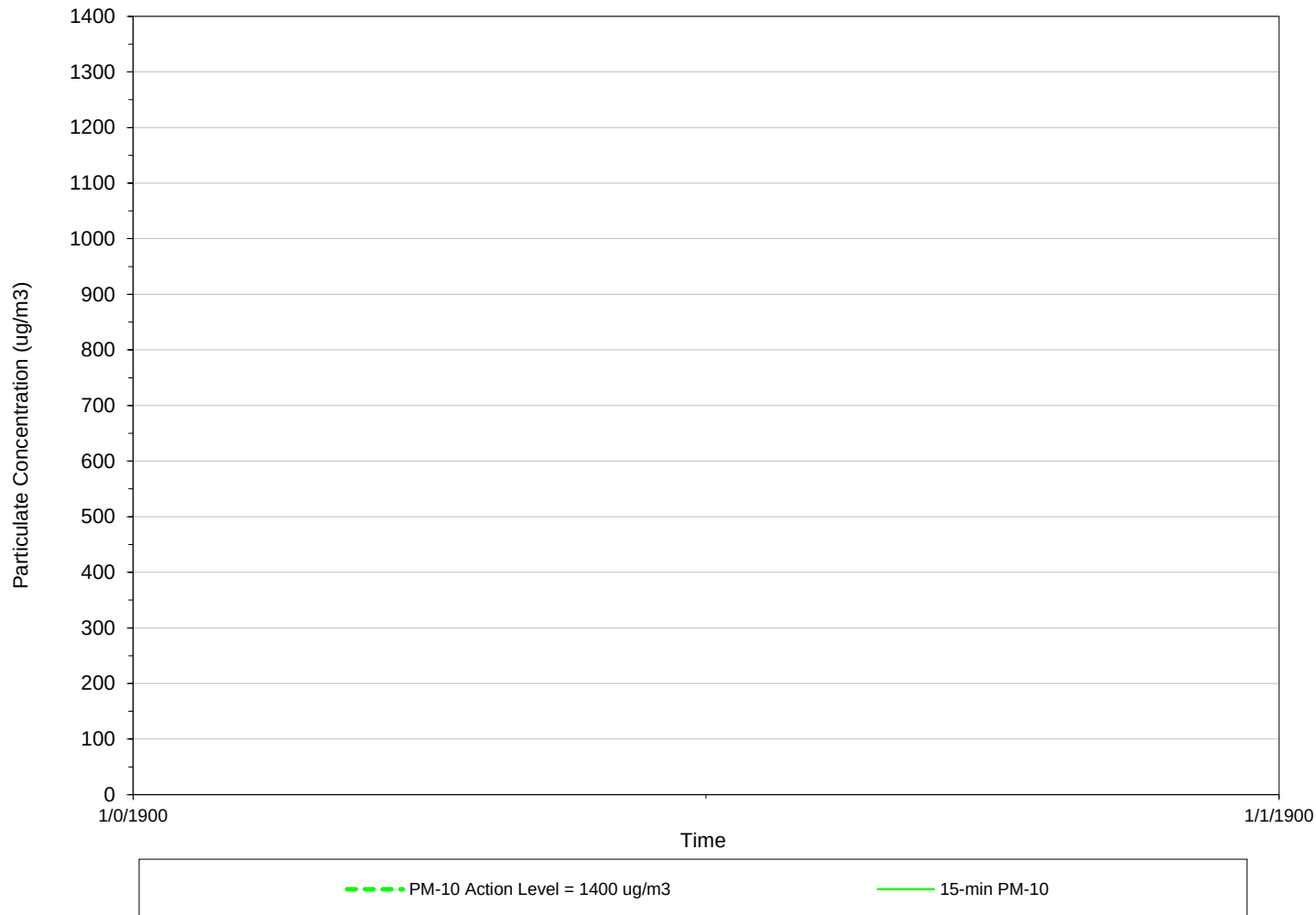
PM10 max= (15Min Avg)	
6/6/2016	6.46
6/7/2016	13.27
6/8/2016	188.59
6/9/2016	9.90
6/10/2016	77.03
6/11/2016	47.39
6/12/2016	44.49

Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

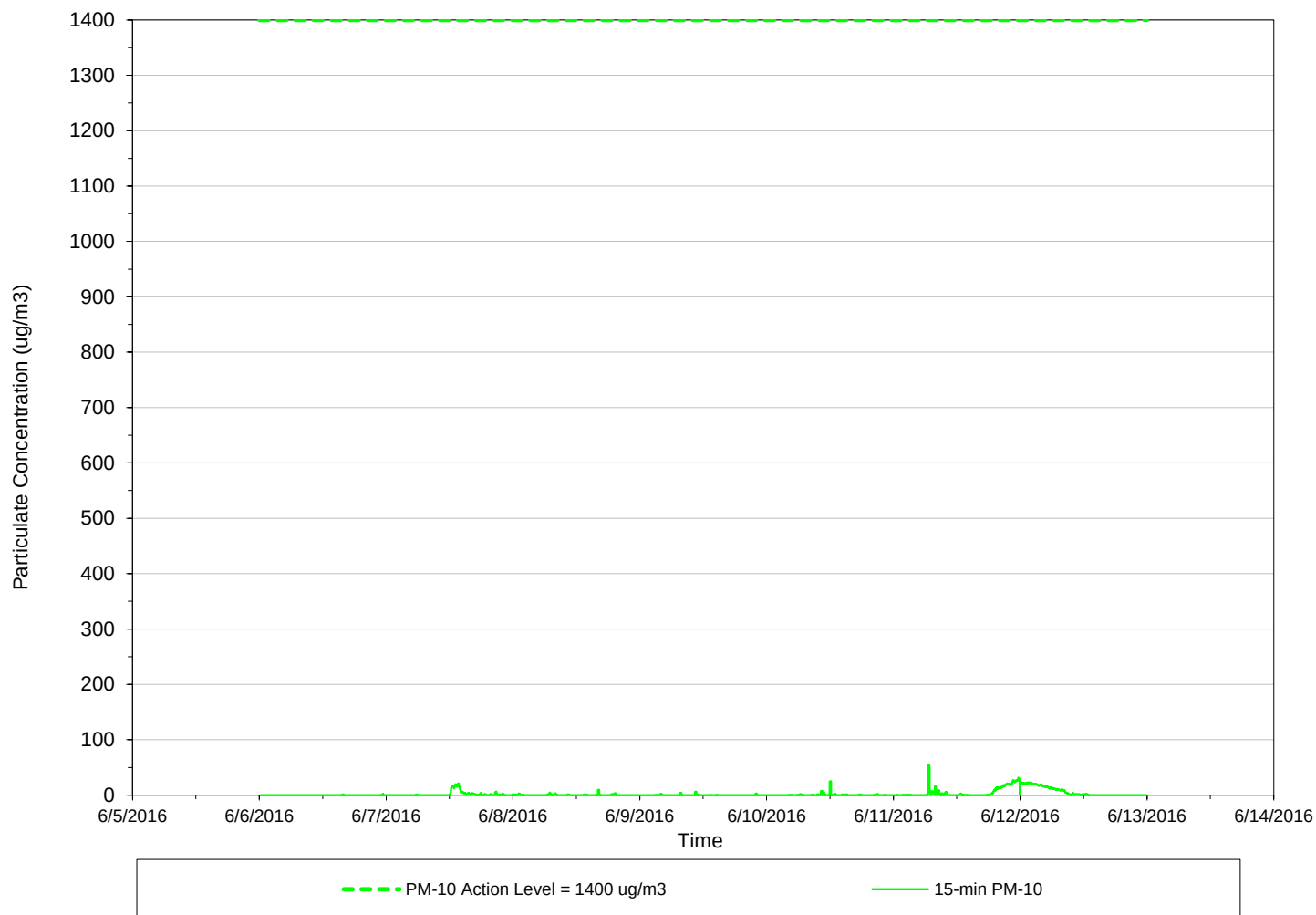
Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 13, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.05

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/6/2016	2.39
6/7/2016	21.16
6/8/2016	9.50
6/9/2016	6.06
6/10/2016	24.74
6/11/2016	54.66
6/12/2016	24.16

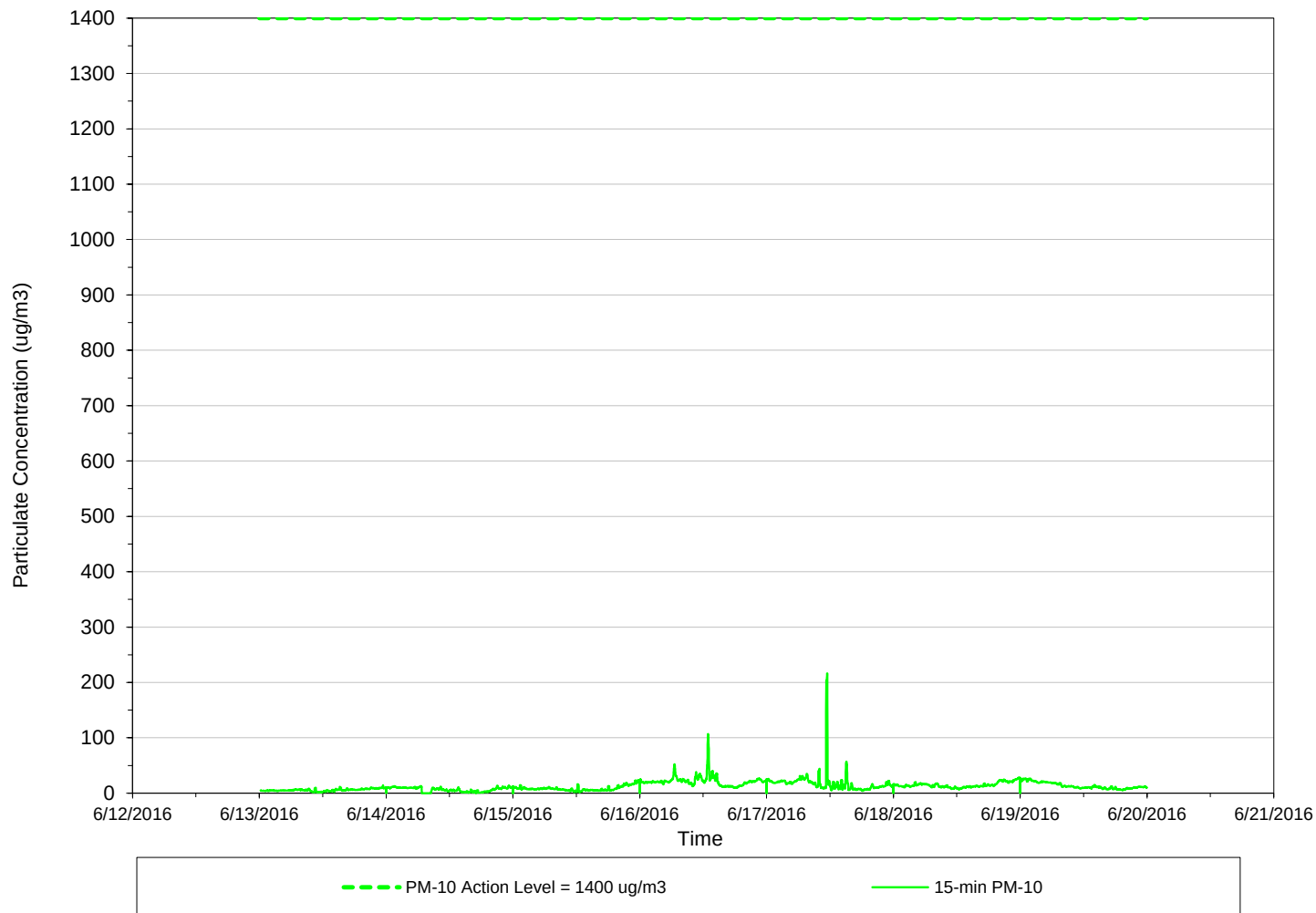
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 20, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.84

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/13/2016	14.02
6/14/2016	13.80
6/15/2016	23.37
6/16/2016	106.79
6/17/2016	216.44
6/18/2016	28.08
6/19/2016	27.11

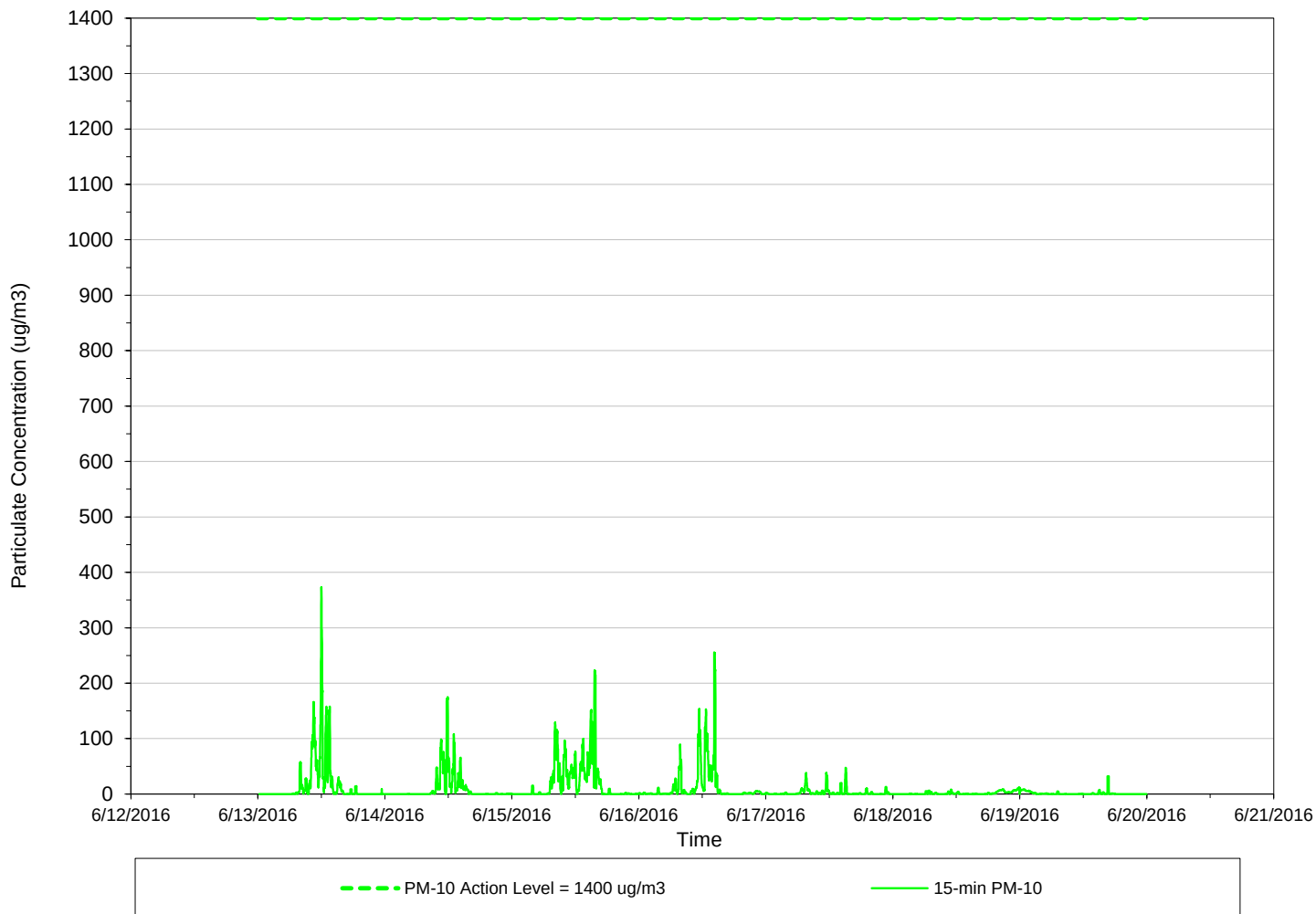
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 20, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.78

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/13/2016	373.27
6/14/2016	174.88
6/15/2016	222.94
6/16/2016	255.60
6/17/2016	47.64
6/18/2016	11.79
6/19/2016	32.18

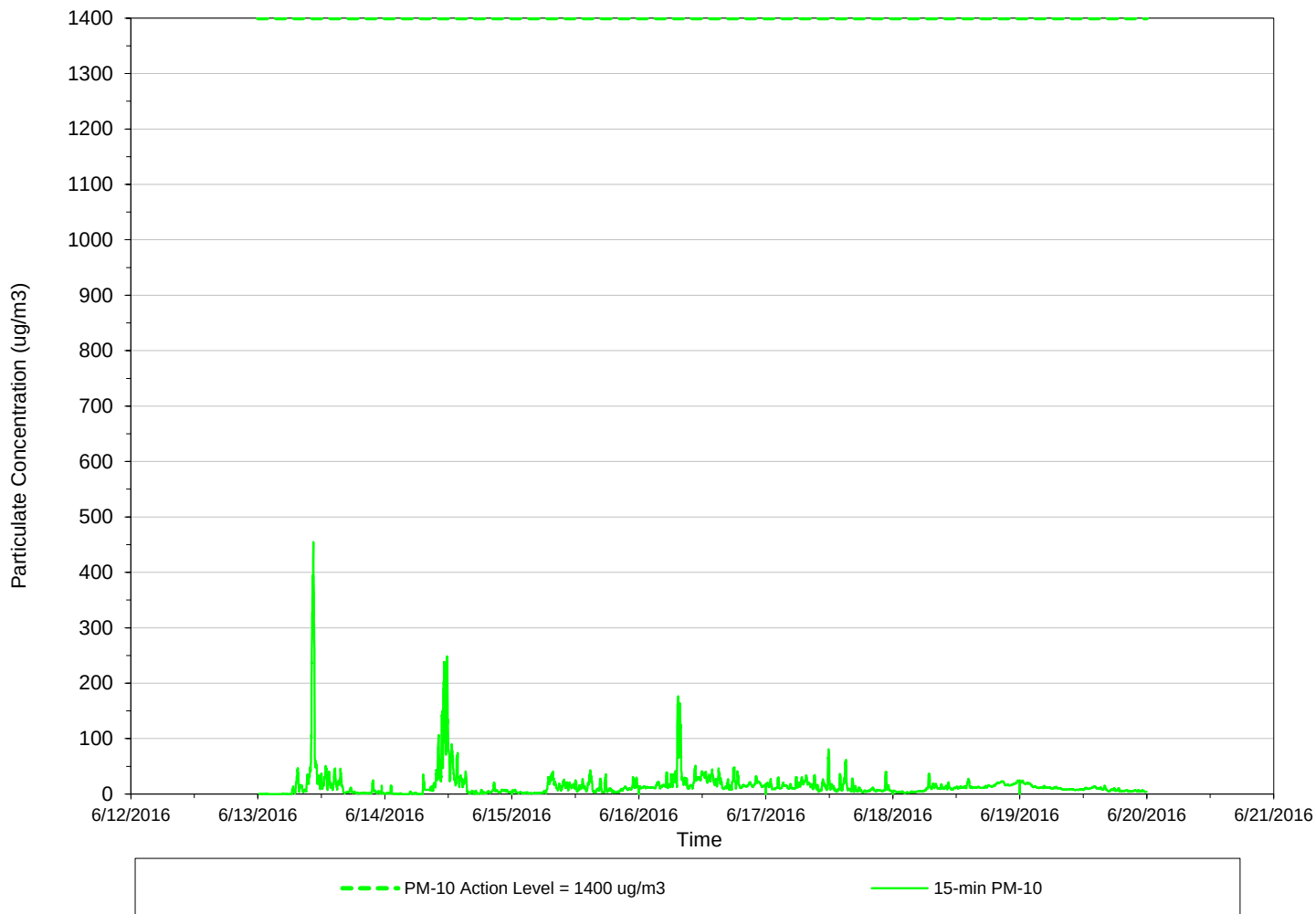
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 20, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 15.35

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/13/2016	454.71
6/14/2016	248.65
6/15/2016	43.02
6/16/2016	176.41
6/17/2016	80.37
6/18/2016	36.65
6/19/2016	24.25

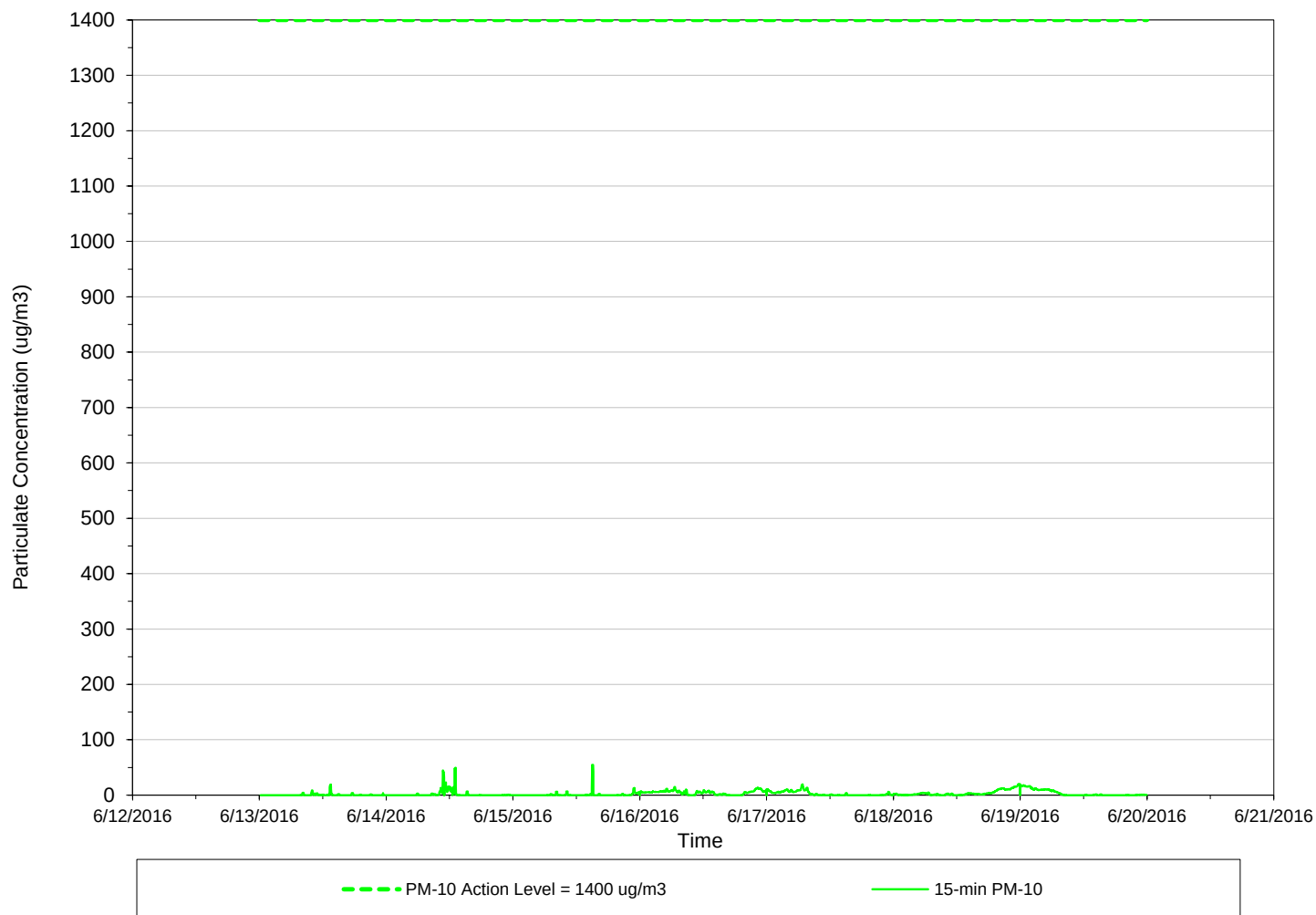
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 20, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.75

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
6/13/2016	18.97
6/14/2016	49.52
6/15/2016	54.45
6/16/2016	14.94
6/17/2016	19.44
6/18/2016	20.27
6/19/2016	18.34

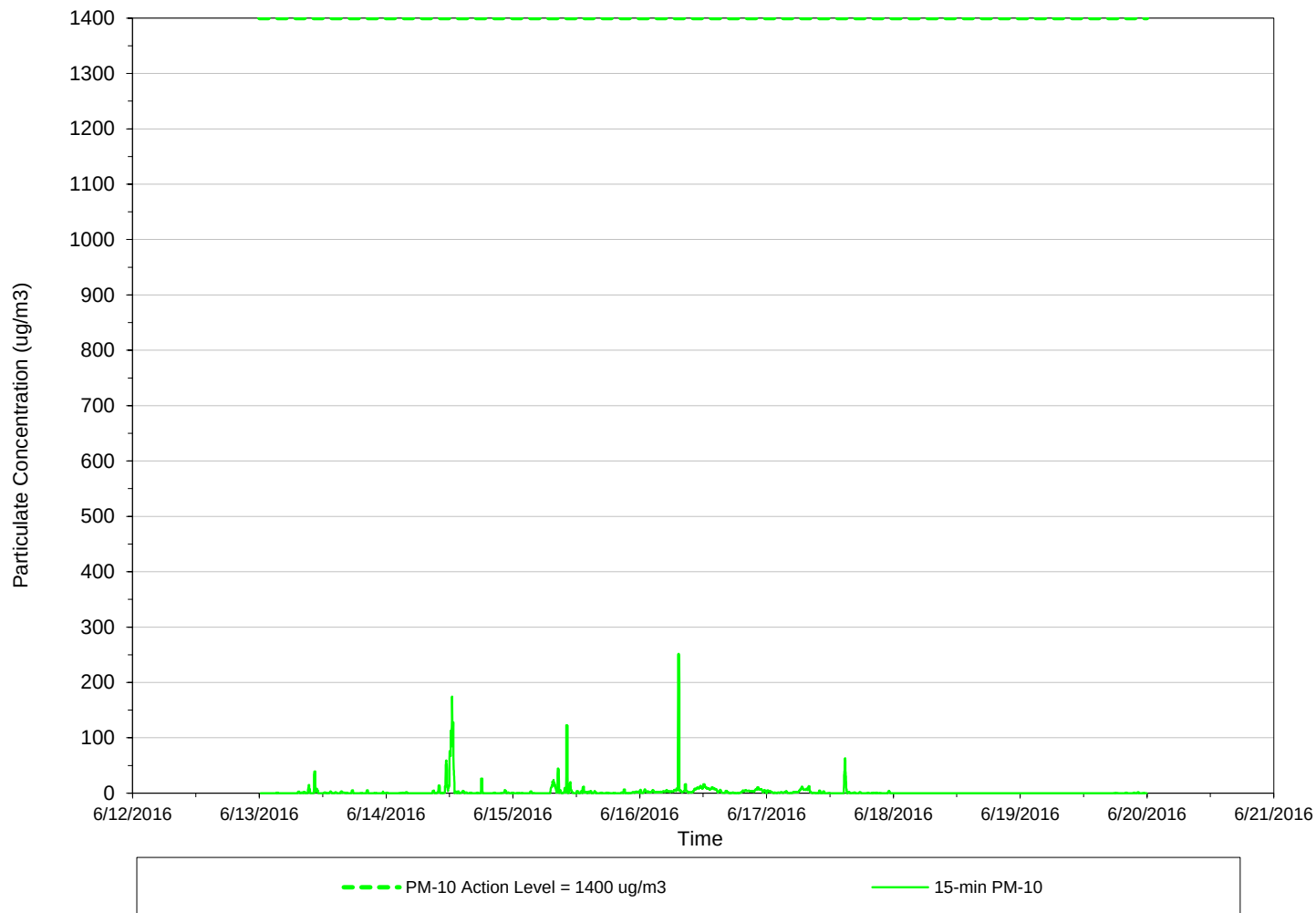
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 20, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.74

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/13/2016	39.49
6/14/2016	174.54
6/15/2016	122.55
6/16/2016	251.59
6/17/2016	63.06
6/18/2016	0.00
6/19/2016	1.87

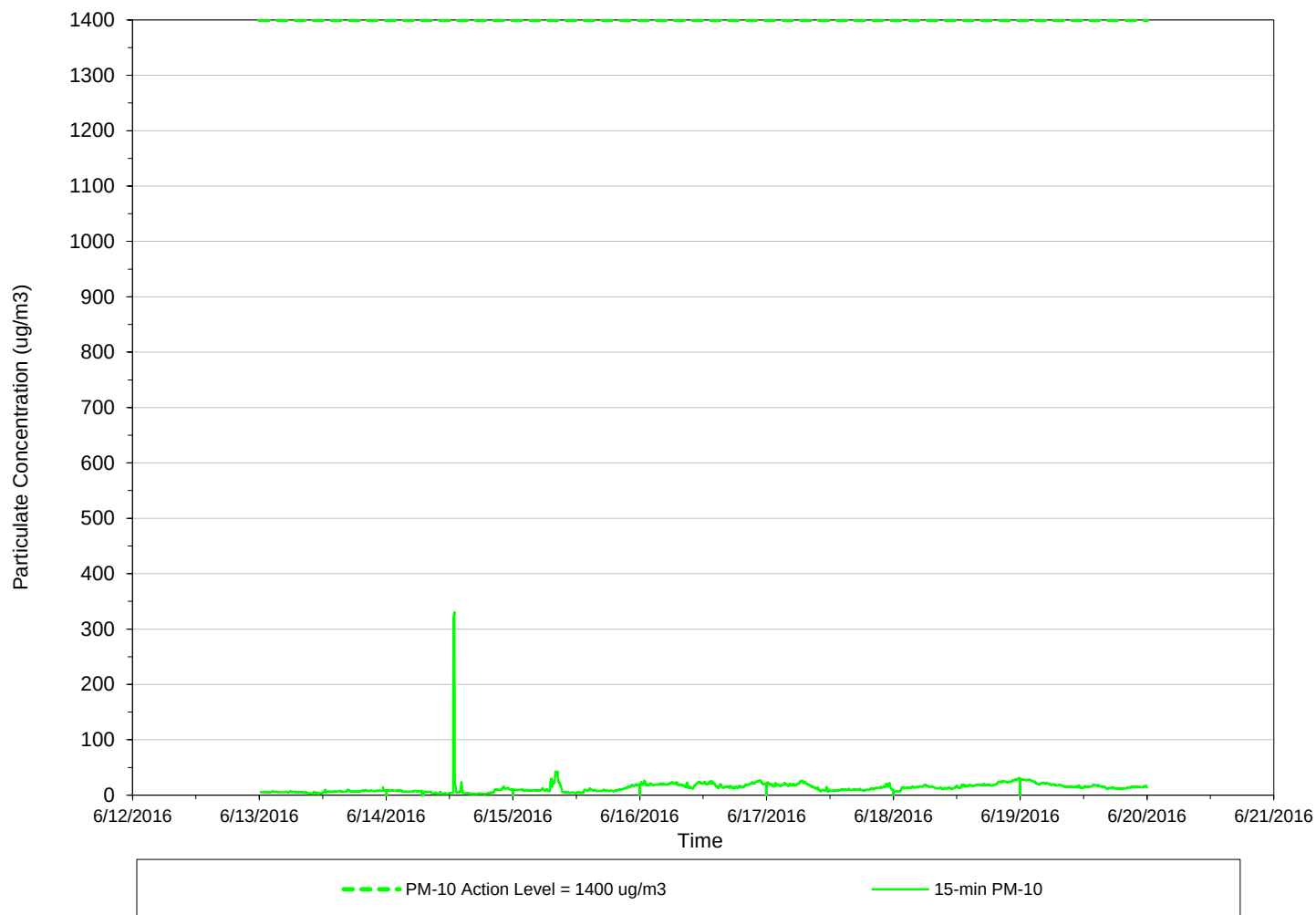
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 20, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.35

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/13/2016	14.52
6/14/2016	330.19
6/15/2016	42.81
6/16/2016	26.63
6/17/2016	26.55
6/18/2016	31.13
6/19/2016	29.39

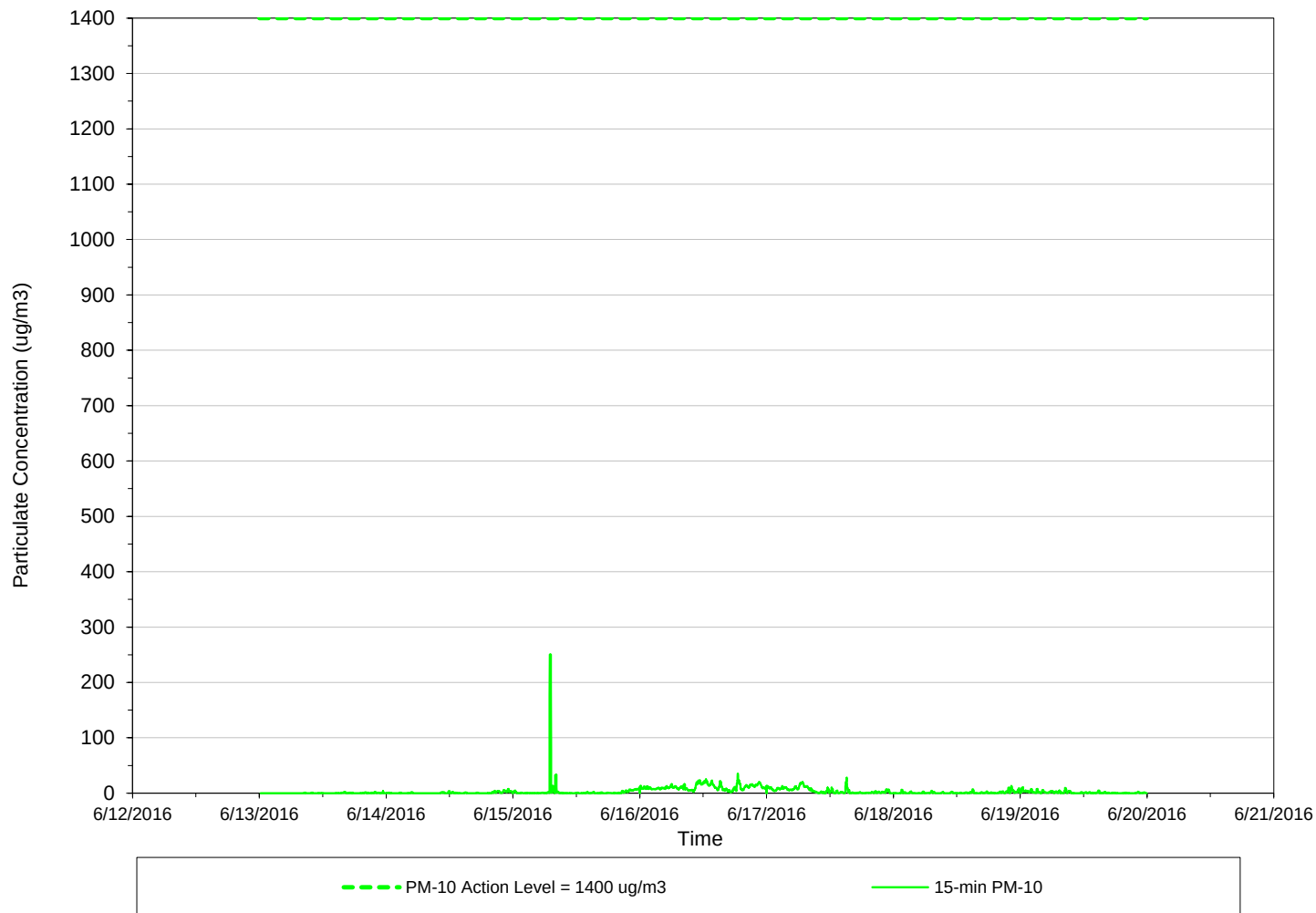
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 20, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.42

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/13/2016	3.96
6/14/2016	7.64
6/15/2016	250.57
6/16/2016	35.61
6/17/2016	28.17
6/18/2016	12.80
6/19/2016	10.43

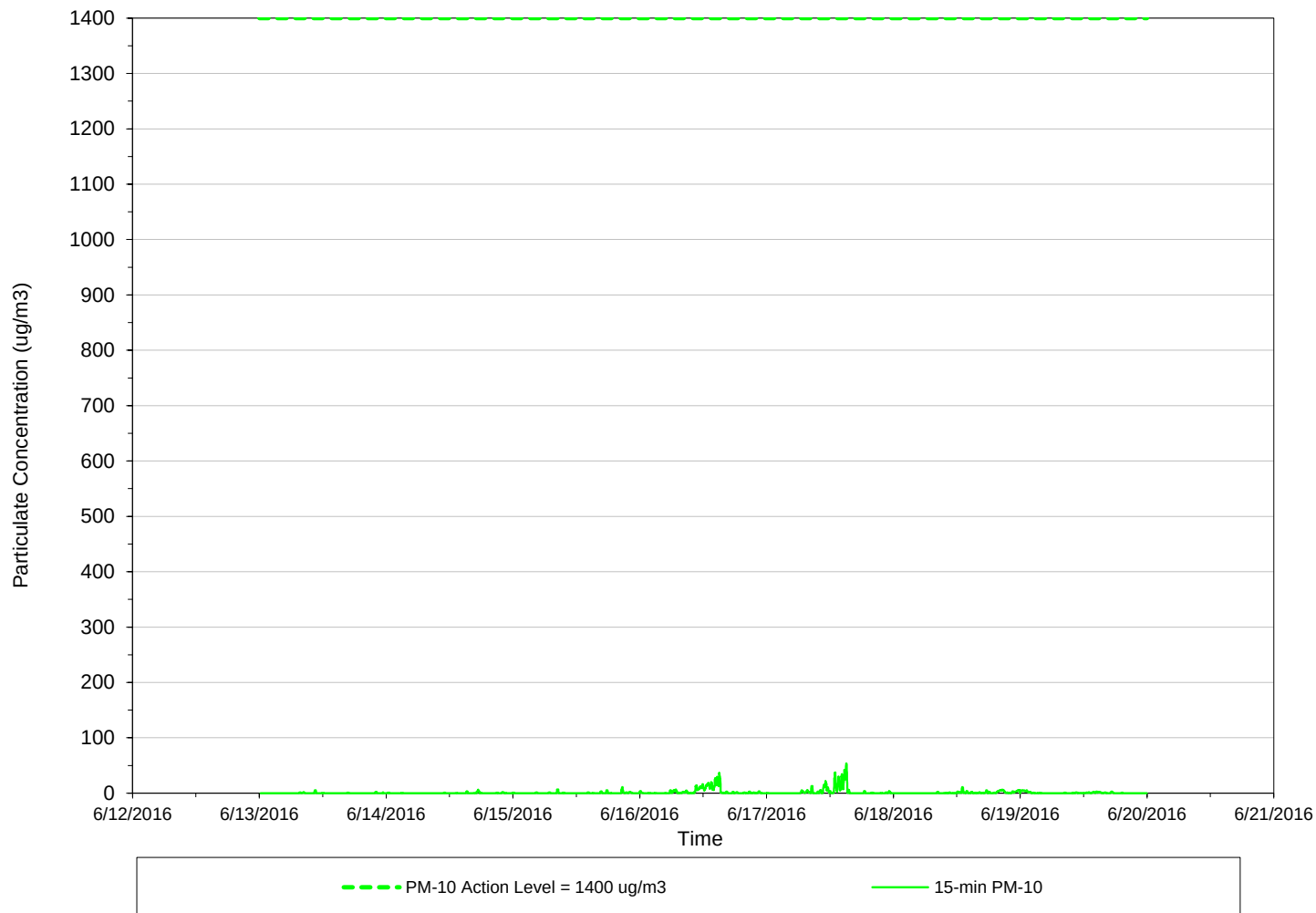
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 20, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.35

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/13/2016	5.15
6/14/2016	6.31
6/15/2016	11.17
6/16/2016	36.24
6/17/2016	53.58
6/18/2016	10.97
6/19/2016	5.17

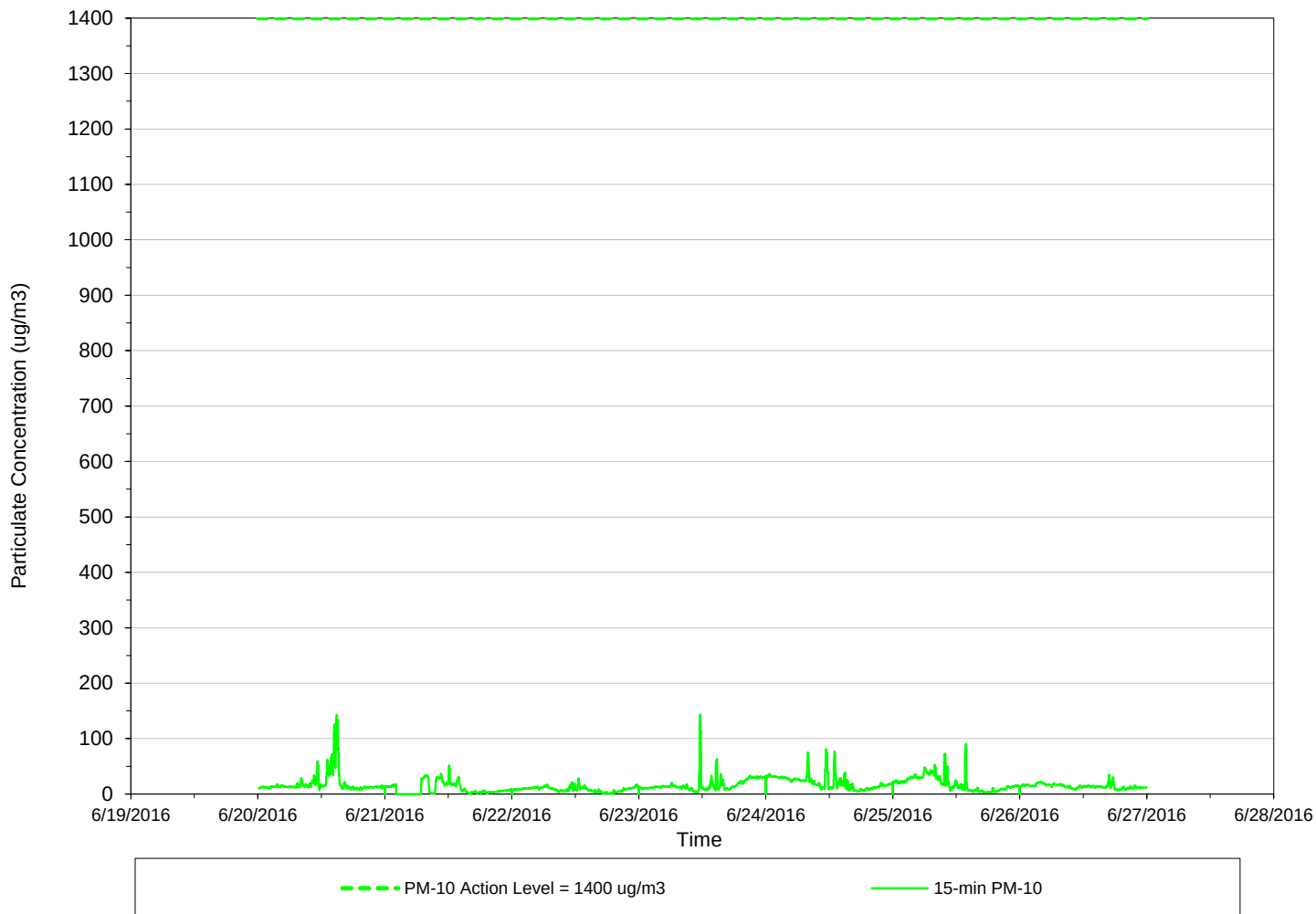
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 27, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 16.25

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/20/2016	141.77
6/21/2016	51.76
6/22/2016	28.55
6/23/2016	143.31
6/24/2016	80.39
6/25/2016	90.44
6/26/2016	35.17

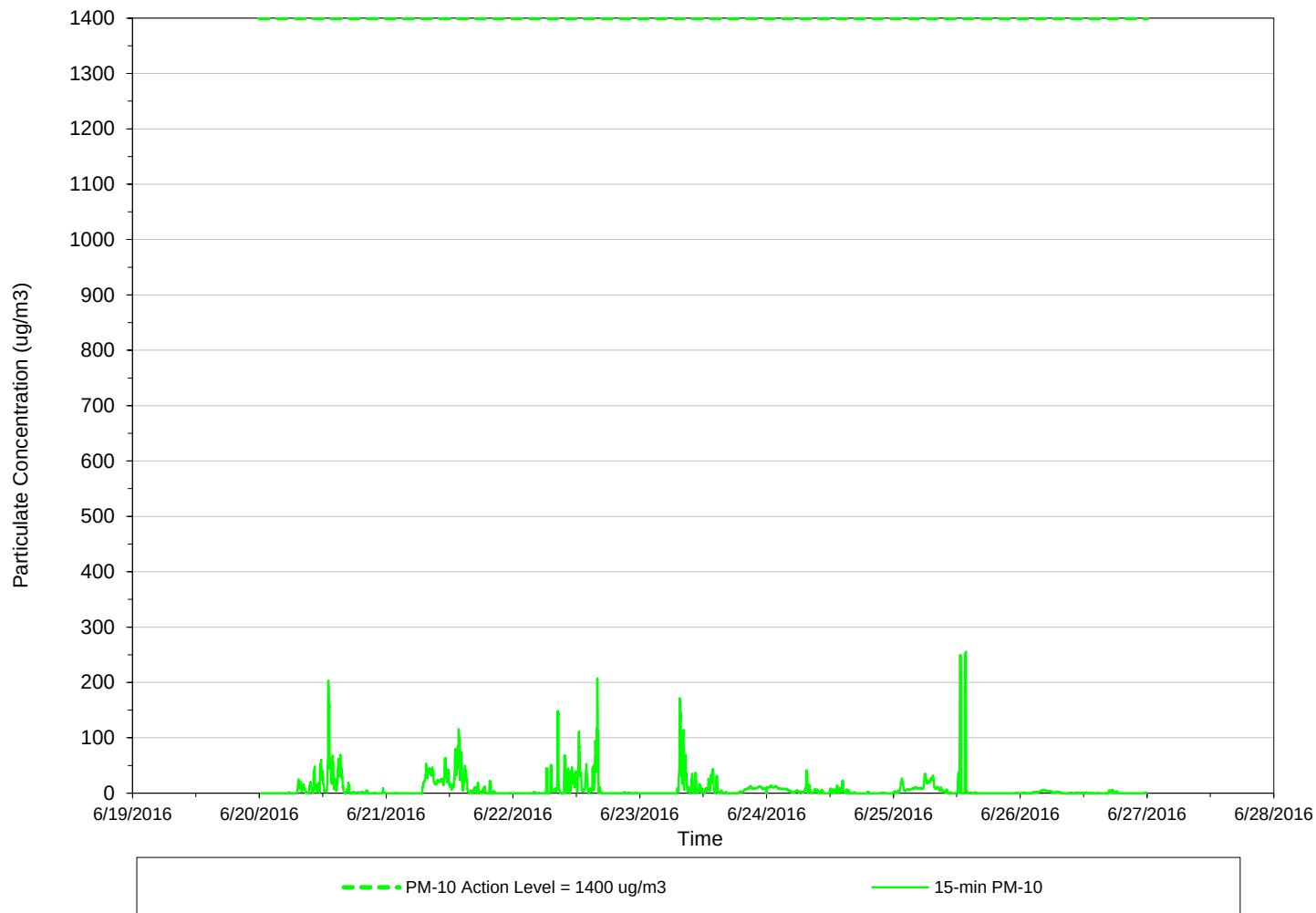
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 27, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 8.85

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/20/2016	203.22
6/21/2016	116.05
6/22/2016	207.72
6/23/2016	171.53
6/24/2016	41.62
6/25/2016	255.24
6/26/2016	6.23

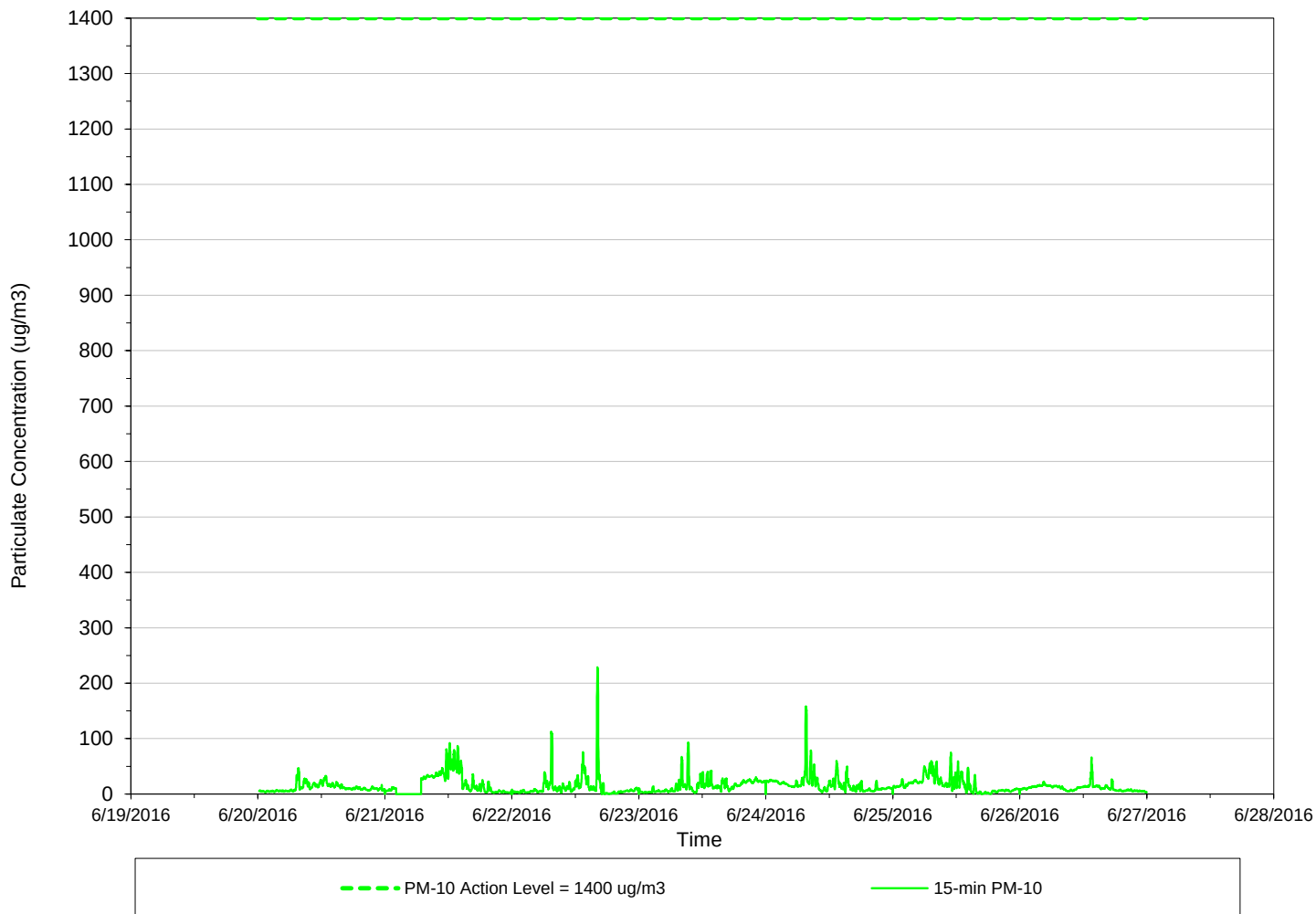
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 27, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 15.55

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/20/2016	46.61
6/21/2016	91.87
6/22/2016	228.68
6/23/2016	93.21
6/24/2016	158.29
6/25/2016	74.38
6/26/2016	66.26

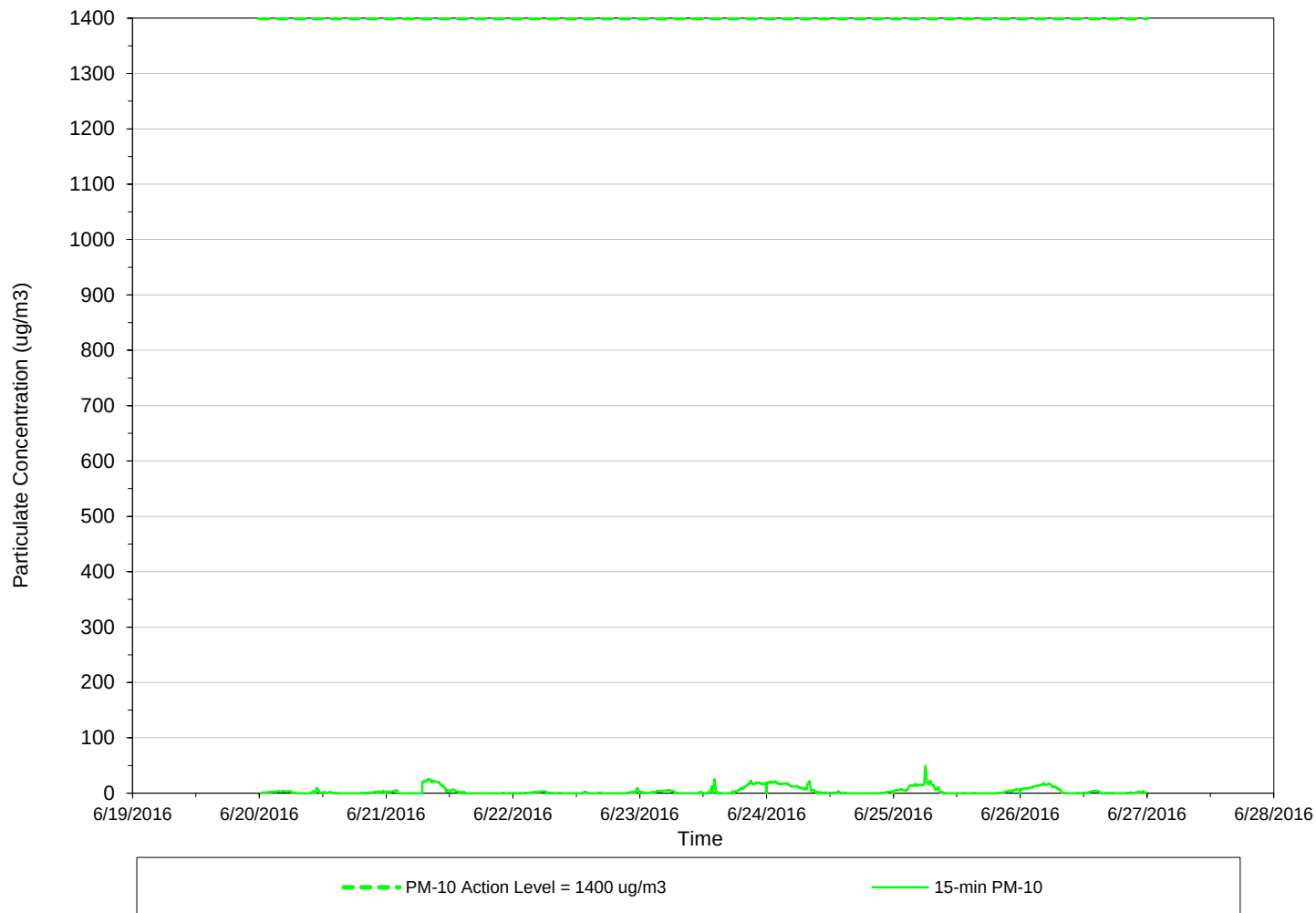
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 27, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.88

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/20/2016	9.50
6/21/2016	25.56
6/22/2016	9.16
6/23/2016	25.04
6/24/2016	21.33
6/25/2016	49.27
6/26/2016	18.23

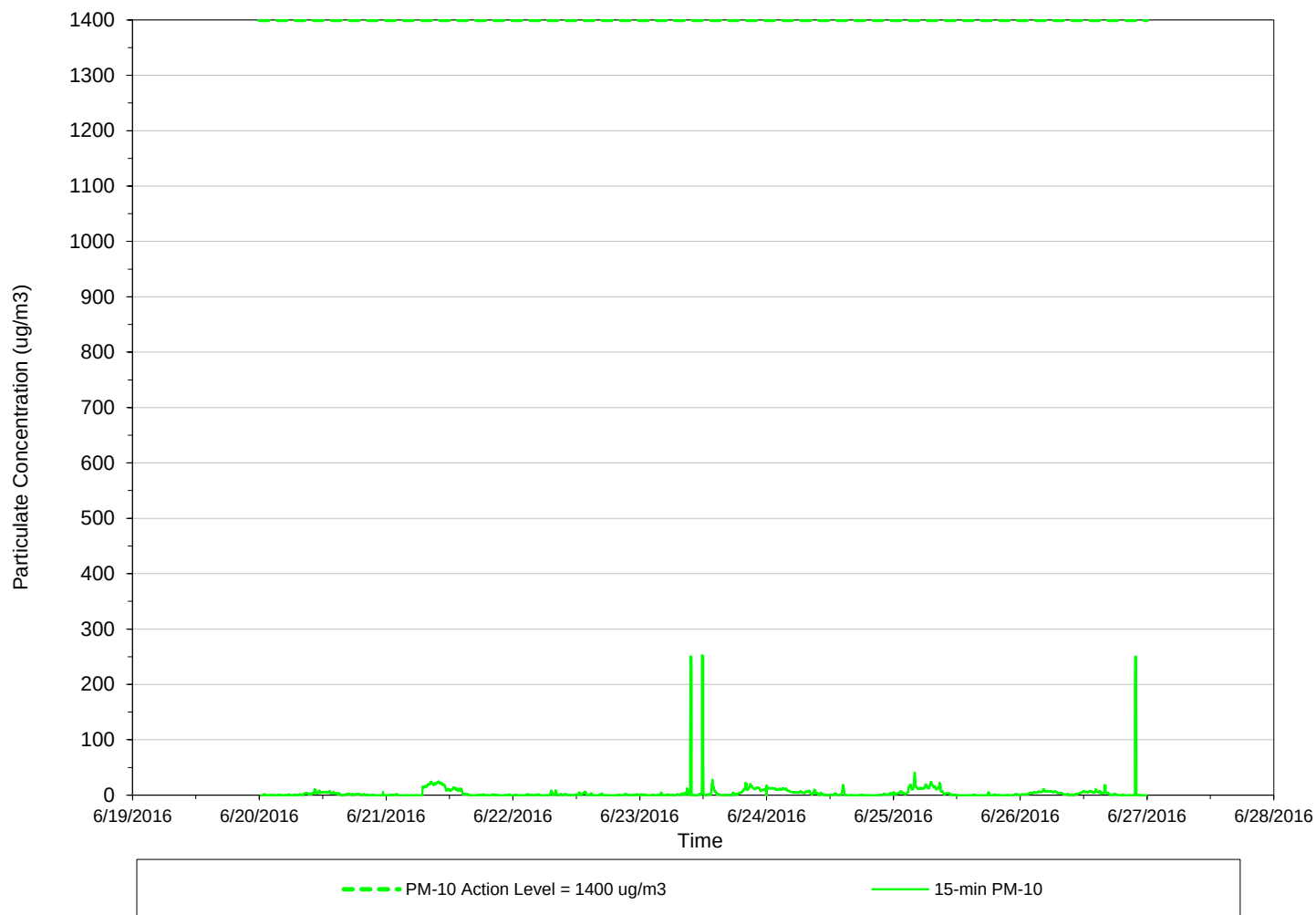
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 27, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.62

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/20/2016	10.72
6/21/2016	24.75
6/22/2016	8.85
6/23/2016	252.56
6/24/2016	18.72
6/25/2016	40.53
6/26/2016	250.26

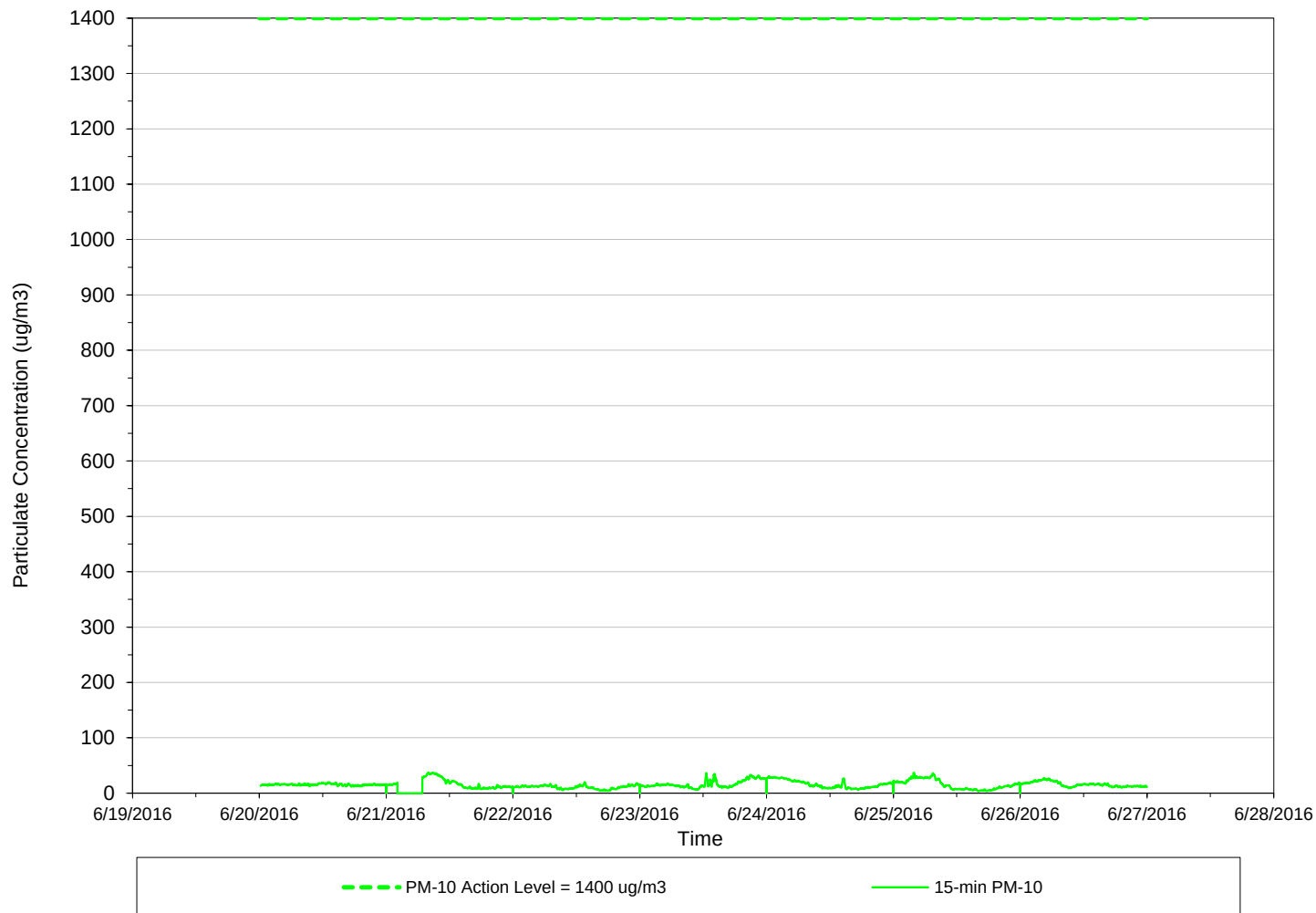
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 27, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 15.32

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/20/2016	19.71
6/21/2016	37.59
6/22/2016	19.85
6/23/2016	36.16
6/24/2016	30.00
6/25/2016	37.04
6/26/2016	26.84

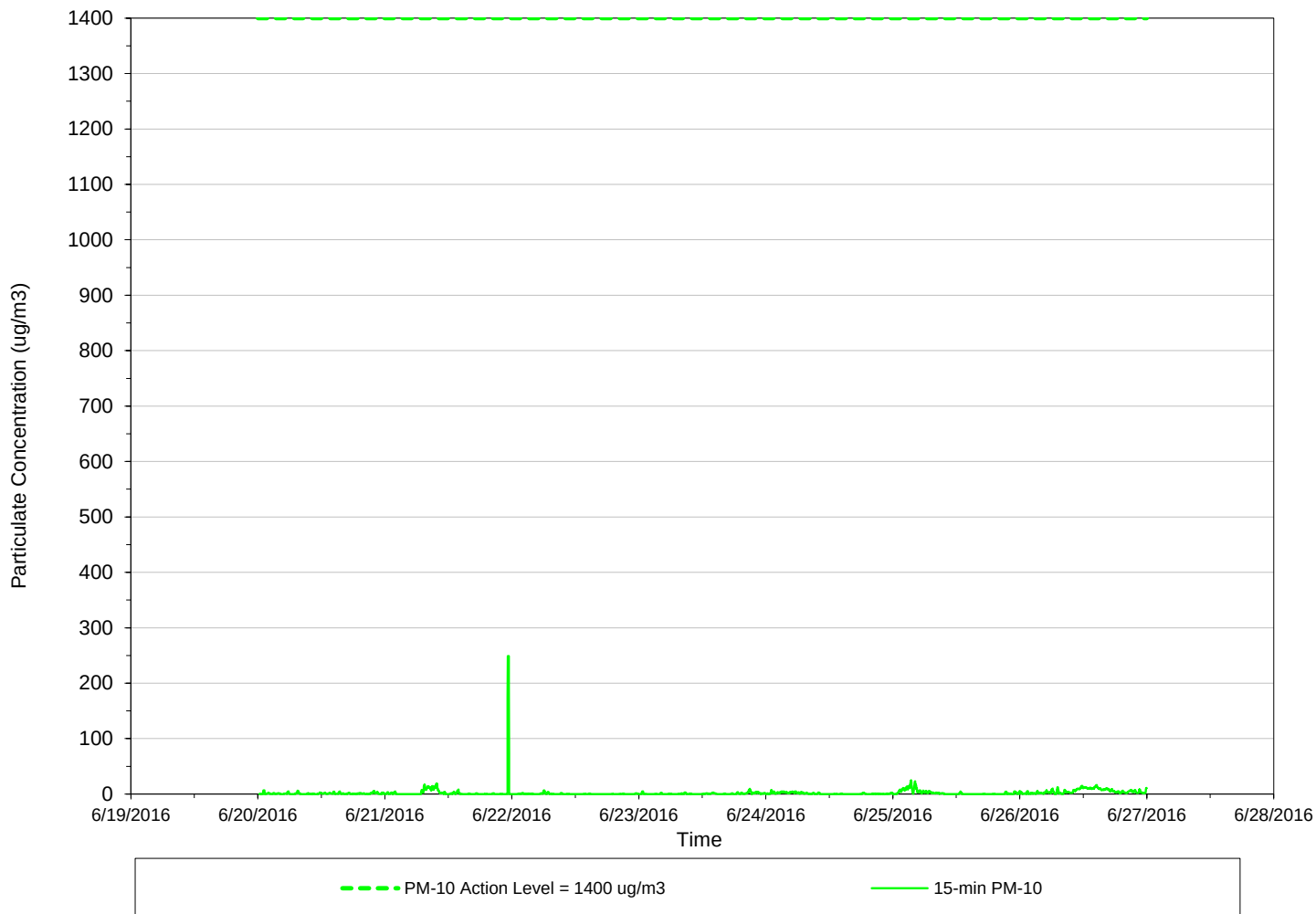
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 27, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.26

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/20/2016	6.74
6/21/2016	249.13
6/22/2016	6.87
6/23/2016	9.40
6/24/2016	6.93
6/25/2016	24.49
6/26/2016	16.43

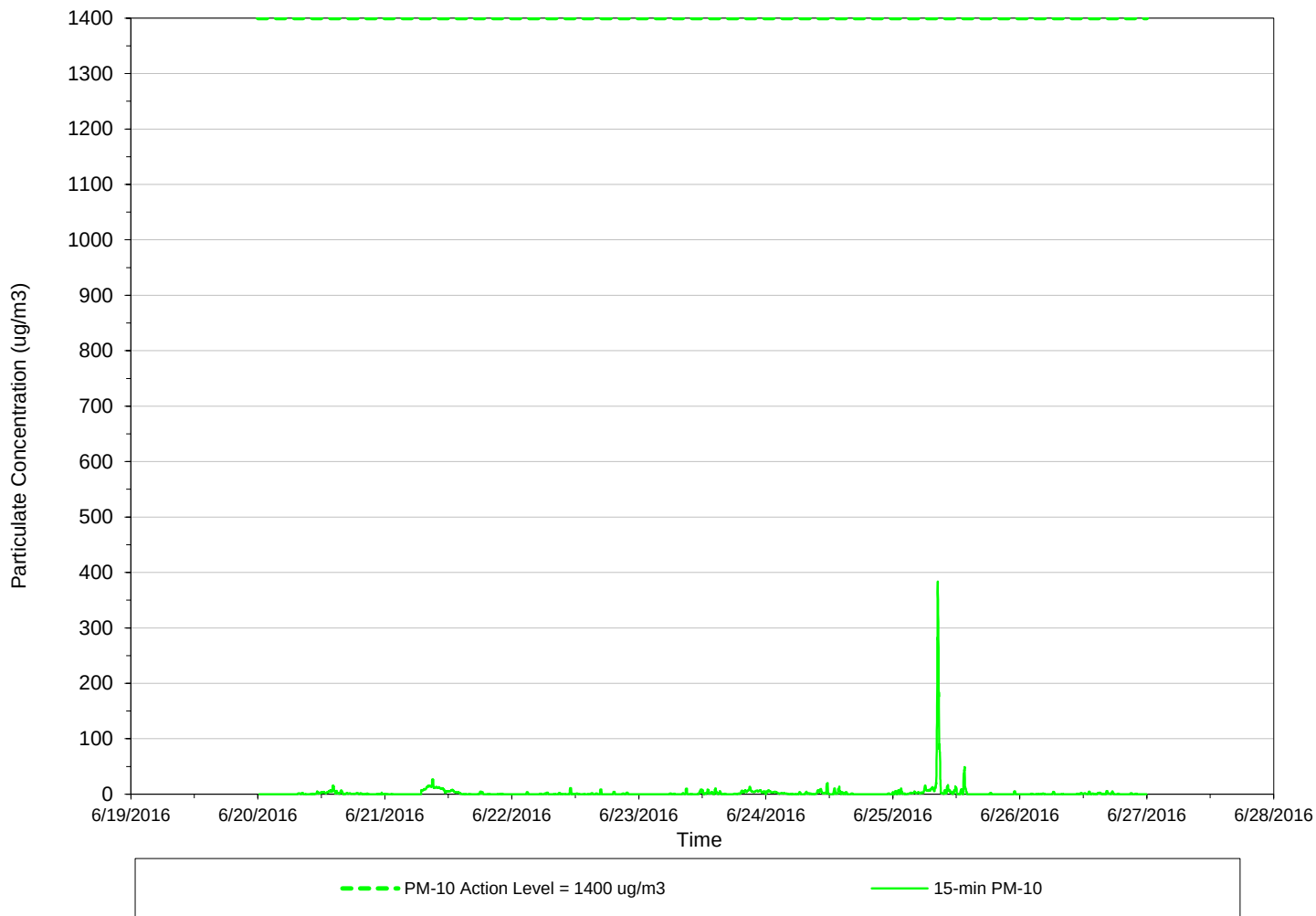
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jun 27, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.52

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
6/20/2016	15.88
6/21/2016	27.03
6/22/2016	11.13
6/23/2016	13.46
6/24/2016	20.00
6/25/2016	383.64
6/26/2016	5.91

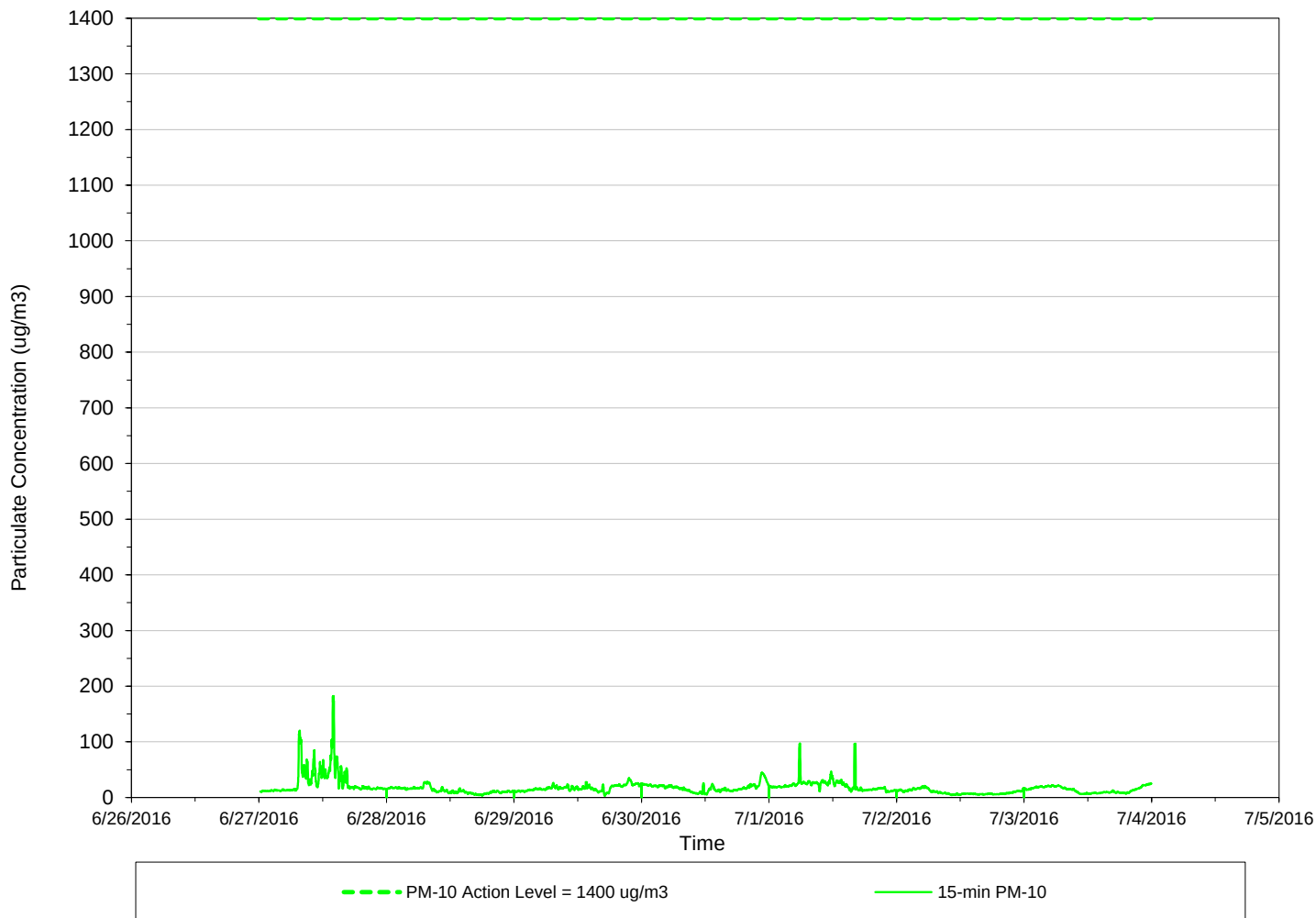
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 04,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 17.54

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/27/2016	182.39
6/28/2016	28.71
6/29/2016	35.26
6/30/2016	44.85
7/1/2016	97.40
7/2/2016	21.06
7/3/2016	25.43

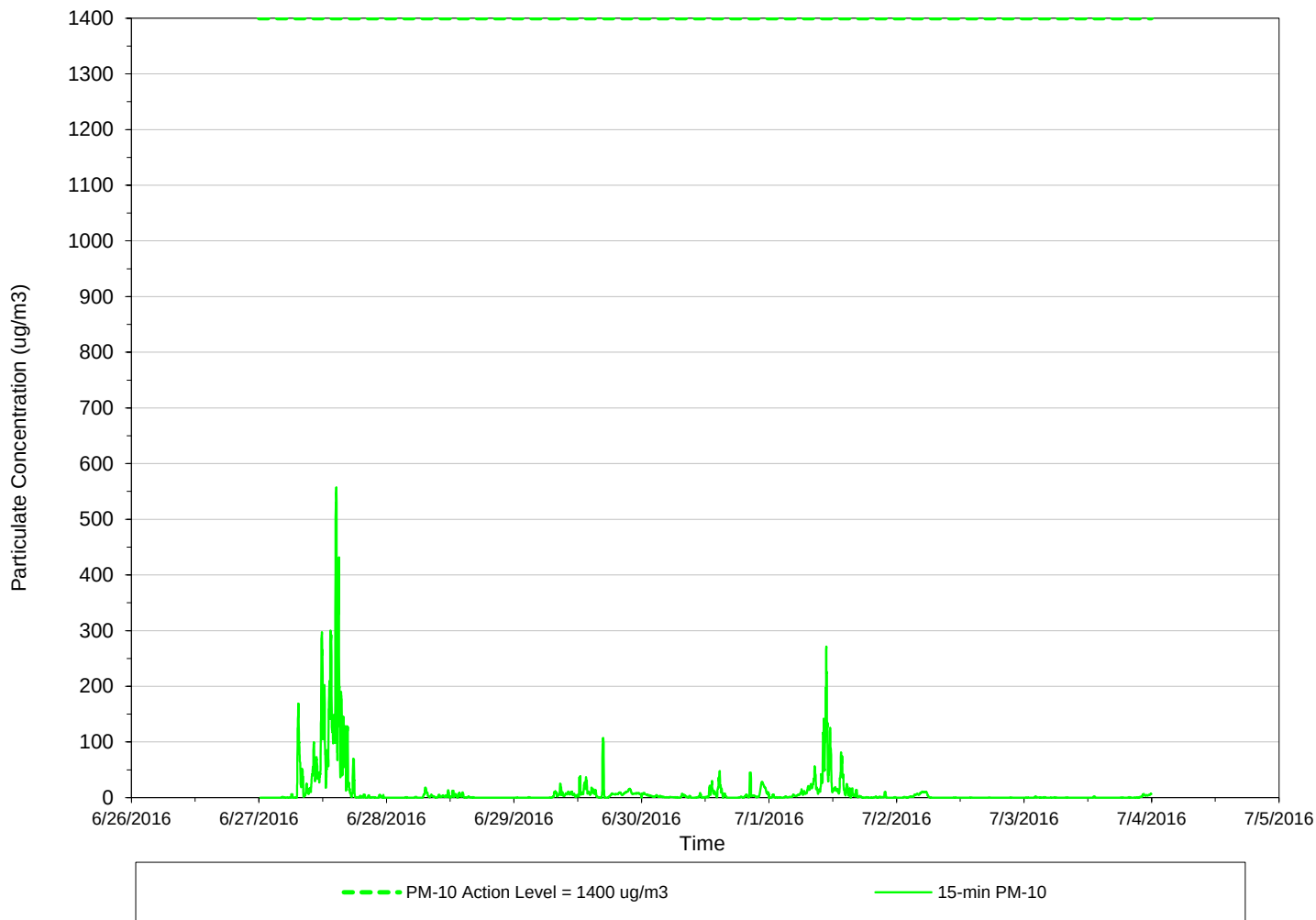
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 04,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 10.64

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
6/27/2016	557.02
6/28/2016	18.35
6/29/2016	107.44
6/30/2016	47.74
7/1/2016	271.49
7/2/2016	11.10
7/3/2016	6.91

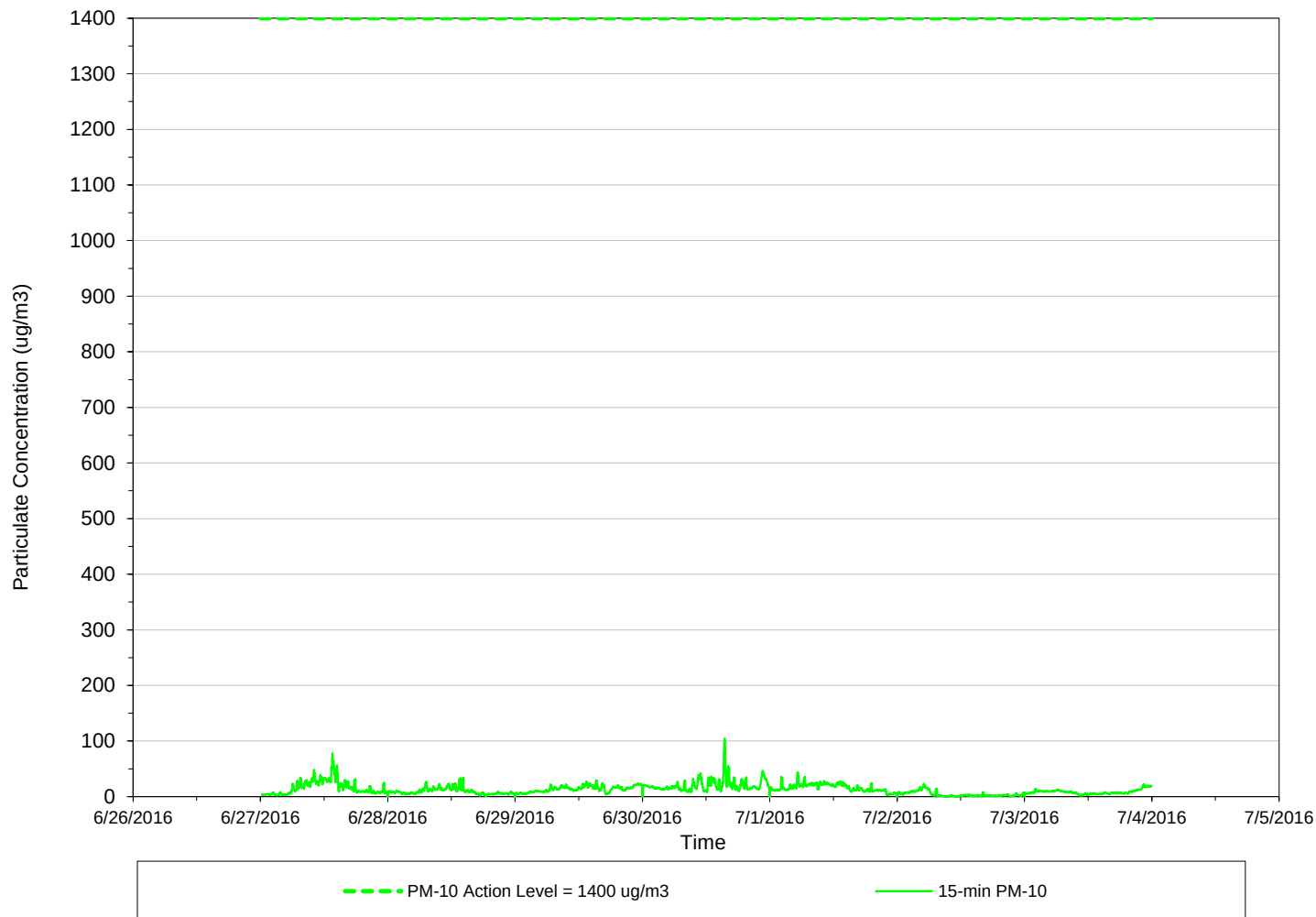
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 04,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.94

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/27/2016	78.09
6/28/2016	33.29
6/29/2016	29.76
6/30/2016	104.42
7/1/2016	43.82
7/2/2016	22.91
7/3/2016	22.09

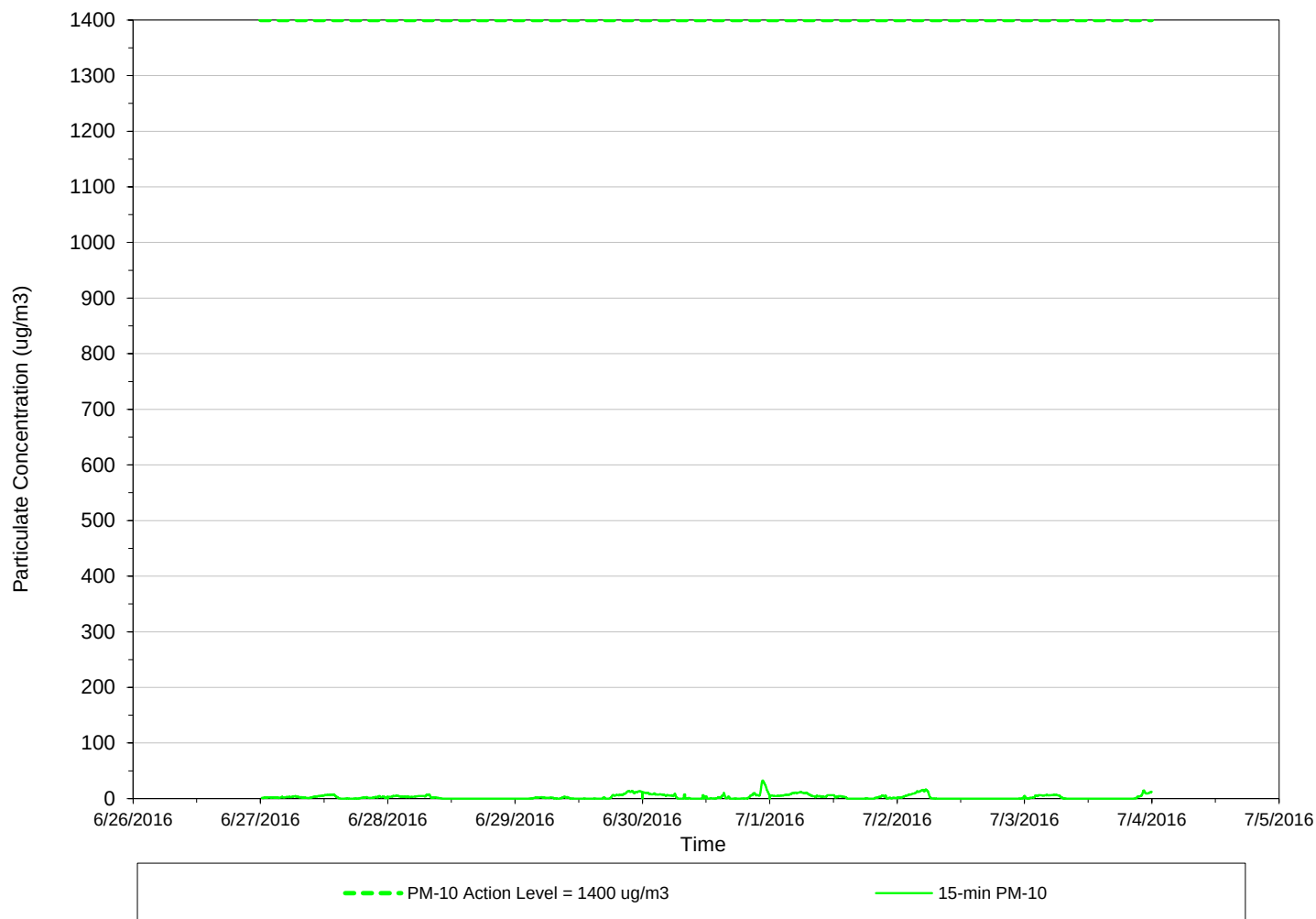
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 04,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.92

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/27/2016	7.60
6/28/2016	7.45
6/29/2016	13.98
6/30/2016	32.75
7/1/2016	11.85
7/2/2016	16.23
7/3/2016	14.84

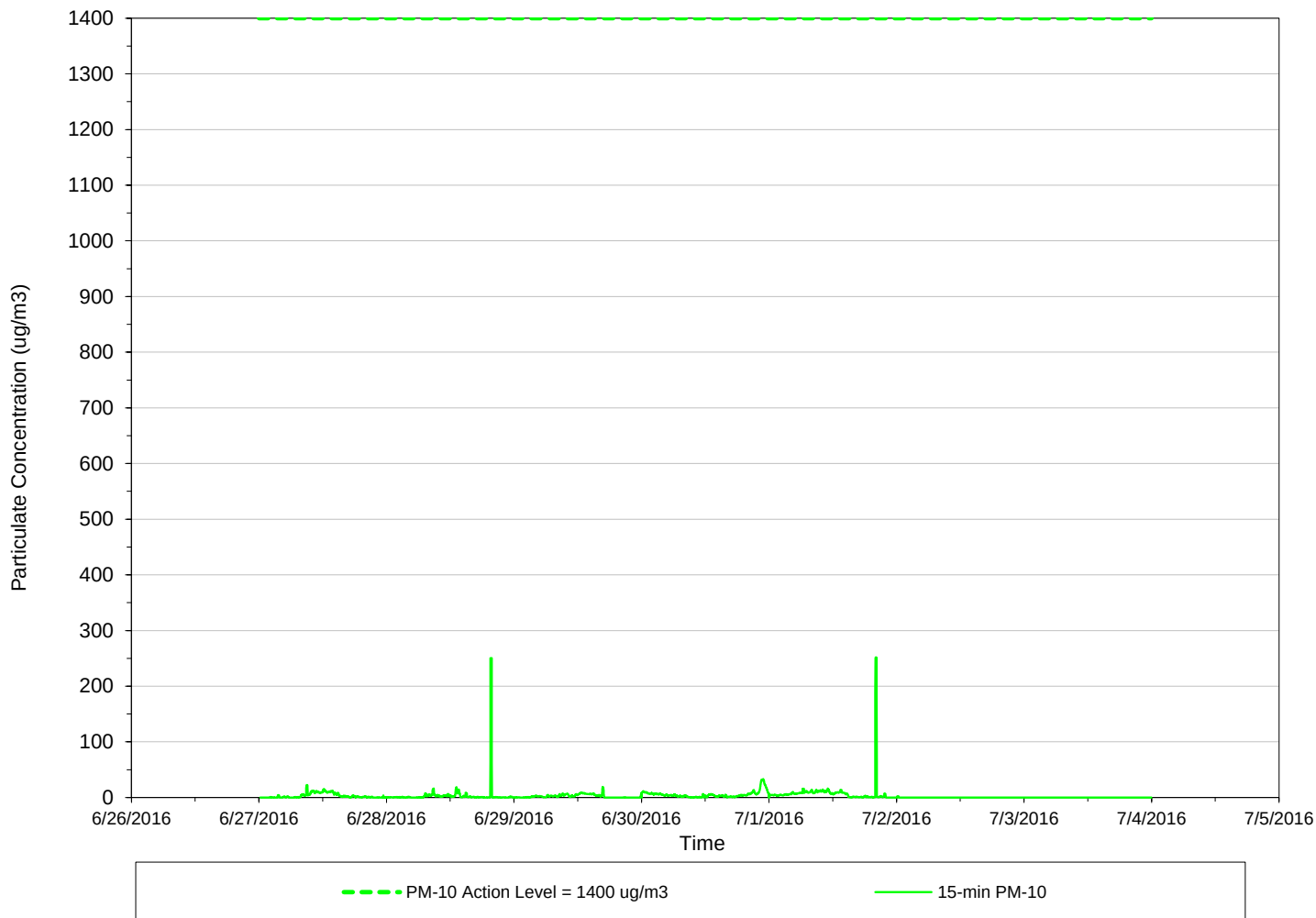
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 04,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.42

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
6/27/2016	22.32
6/28/2016	250.25
6/29/2016	19.03
6/30/2016	33.07
7/1/2016	251.92
7/2/2016	2.49
7/3/2016	0.00

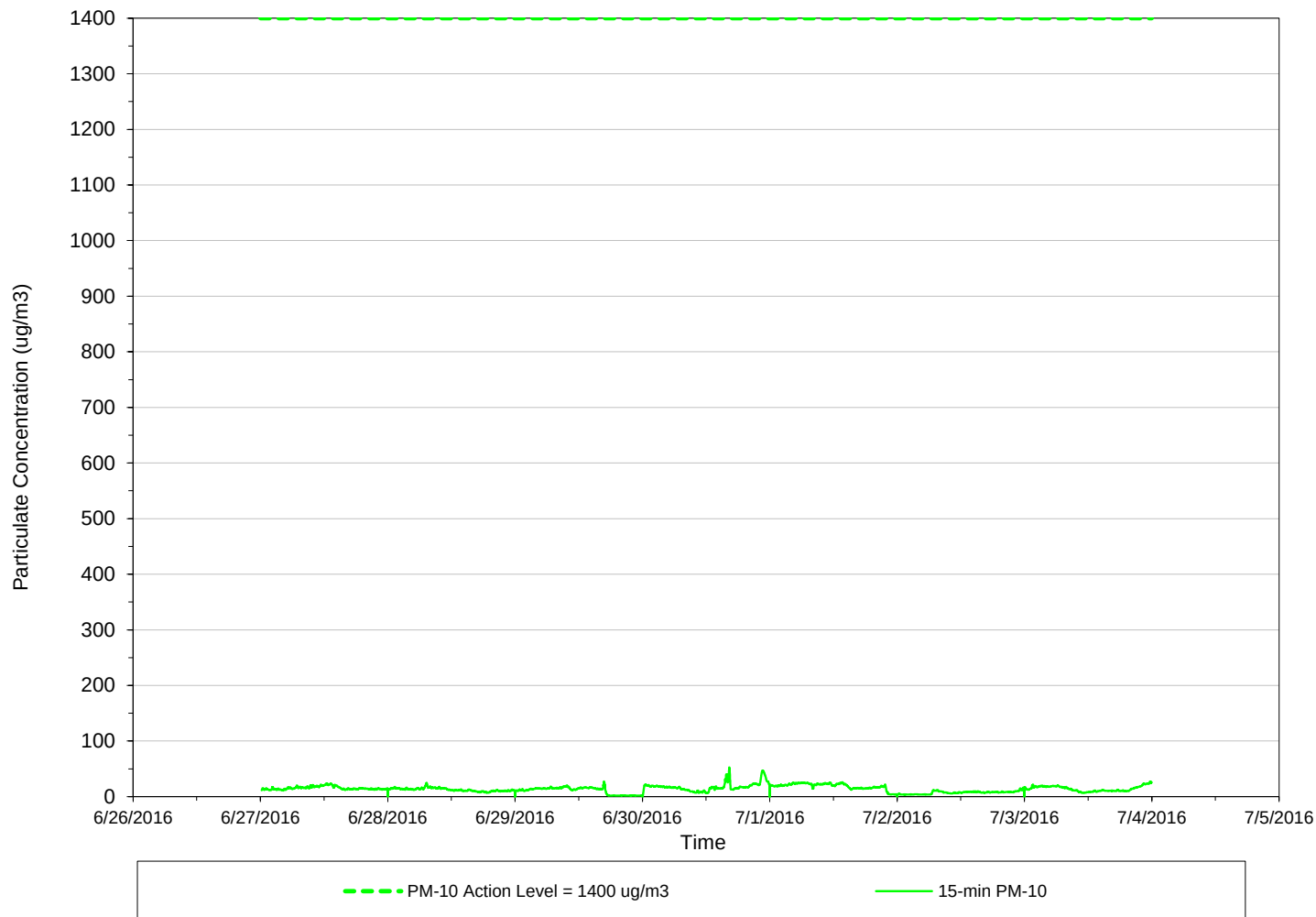
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 04,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.89

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/27/2016	23.98
6/28/2016	24.75
6/29/2016	27.36
6/30/2016	52.56
7/1/2016	25.98
7/2/2016	16.79
7/3/2016	27.08

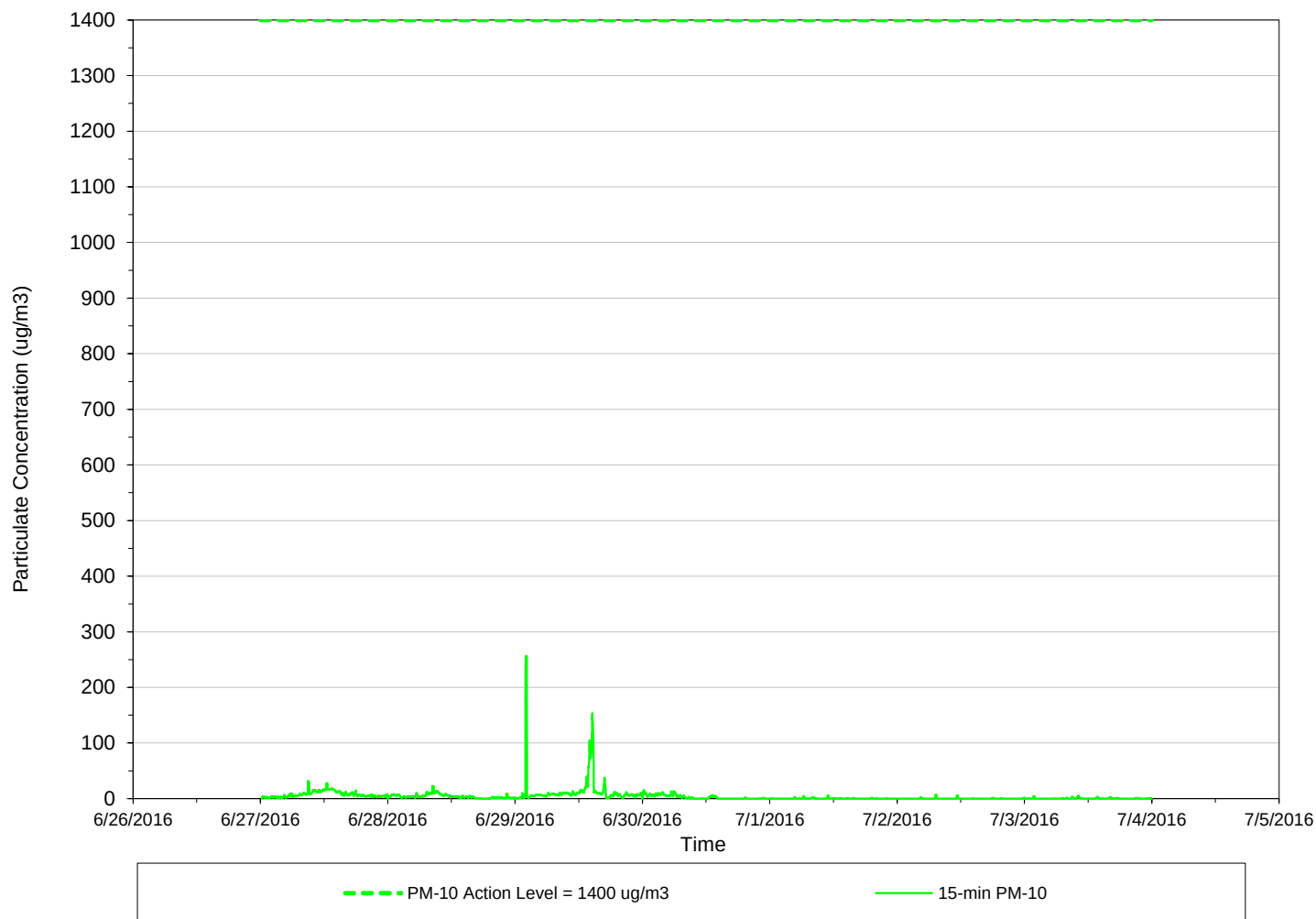
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 04,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.23

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/27/2016	31.37
6/28/2016	22.44
6/29/2016	256.36
6/30/2016	15.45
7/1/2016	5.59
7/2/2016	7.18
7/3/2016	5.50

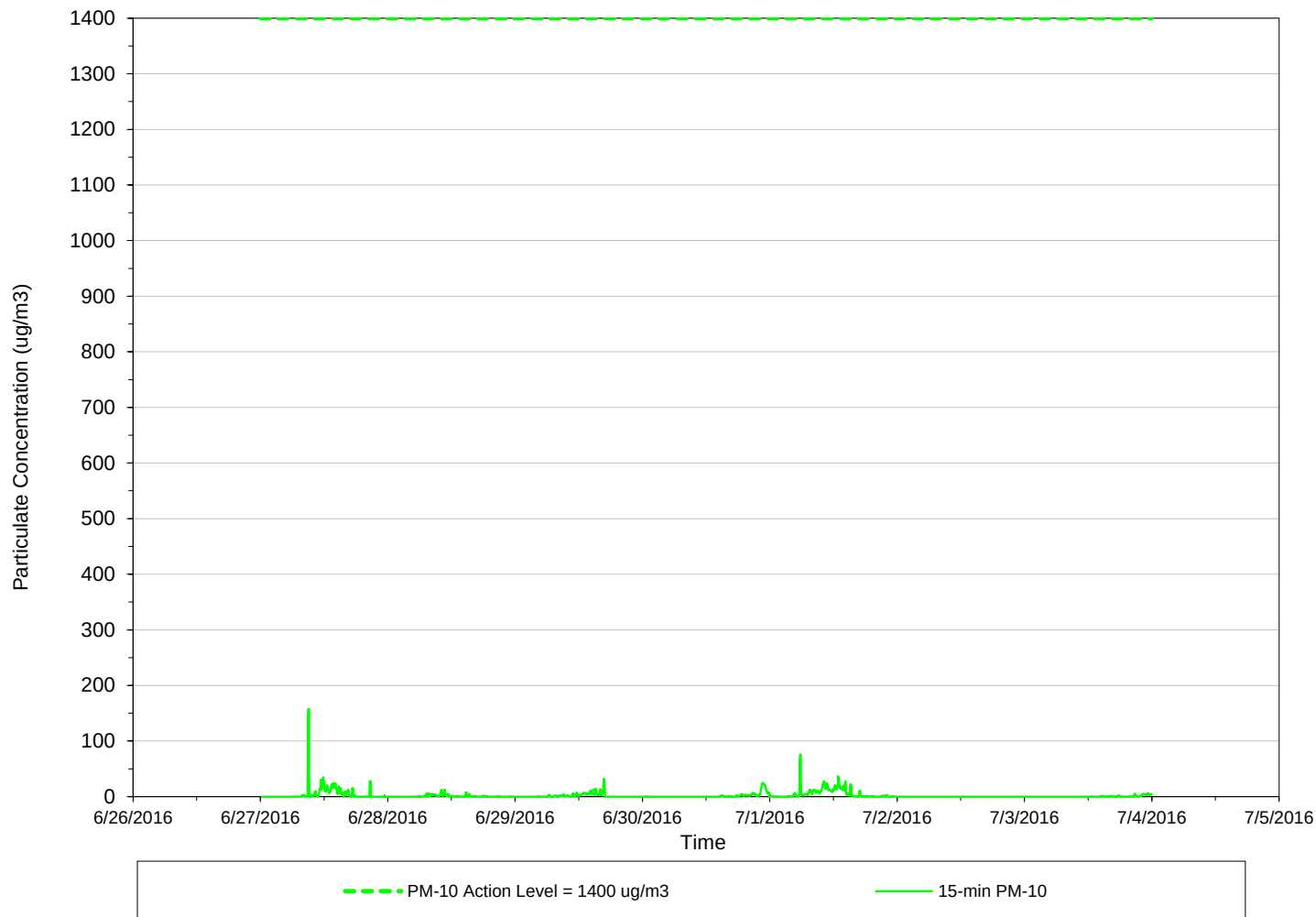
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 04,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.43

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

6/27/2016	157.33
6/28/2016	12.59
6/29/2016	31.53
6/30/2016	24.29
7/1/2016	75.97
7/2/2016	0.00
7/3/2016	5.97

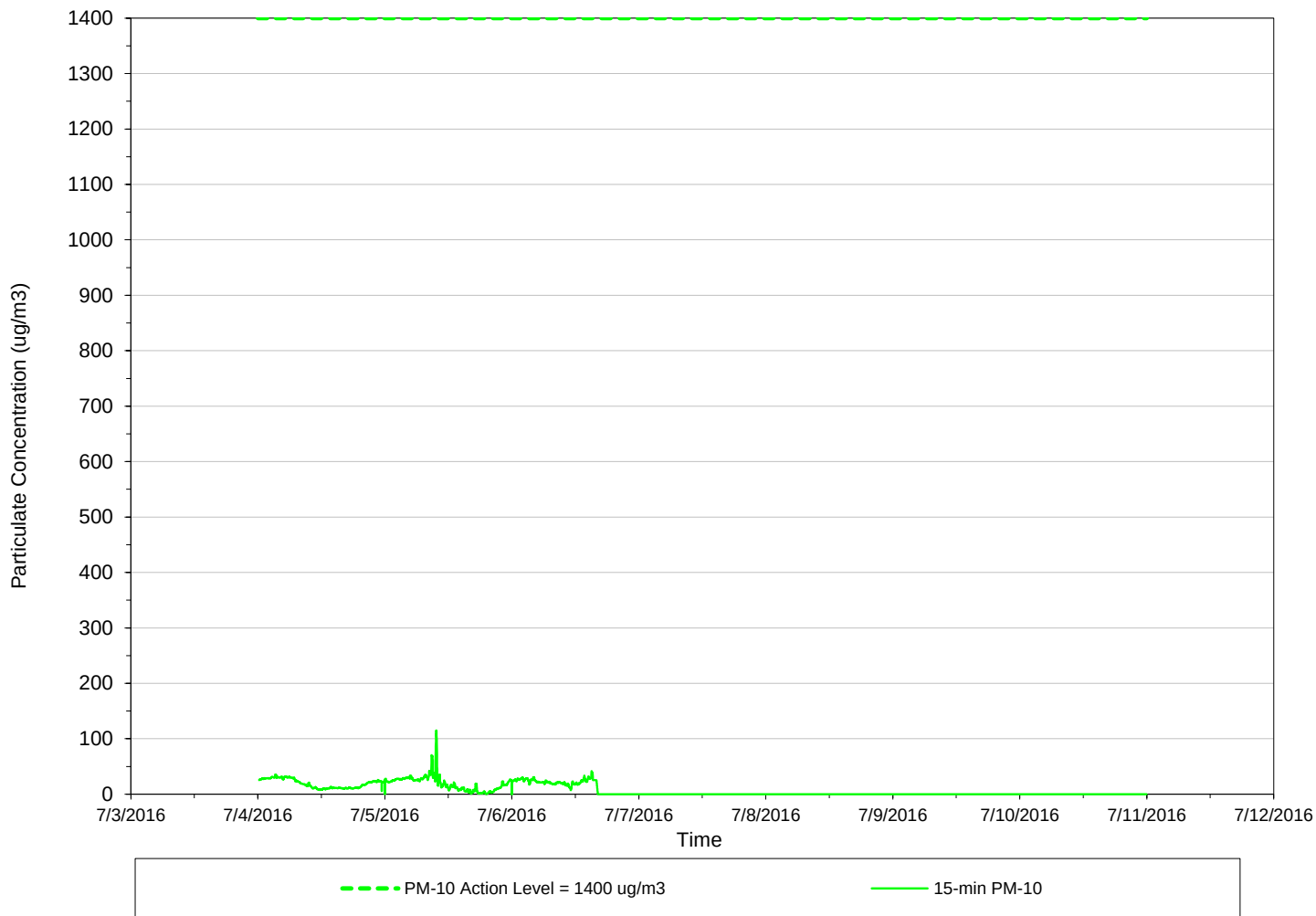
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 11, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.69

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
7/4/2016	35.36
7/5/2016	114.99
7/6/2016	41.54
7/7/2016	0.00
7/8/2016	0.00
7/9/2016	0.00
7/10/2016	0.00

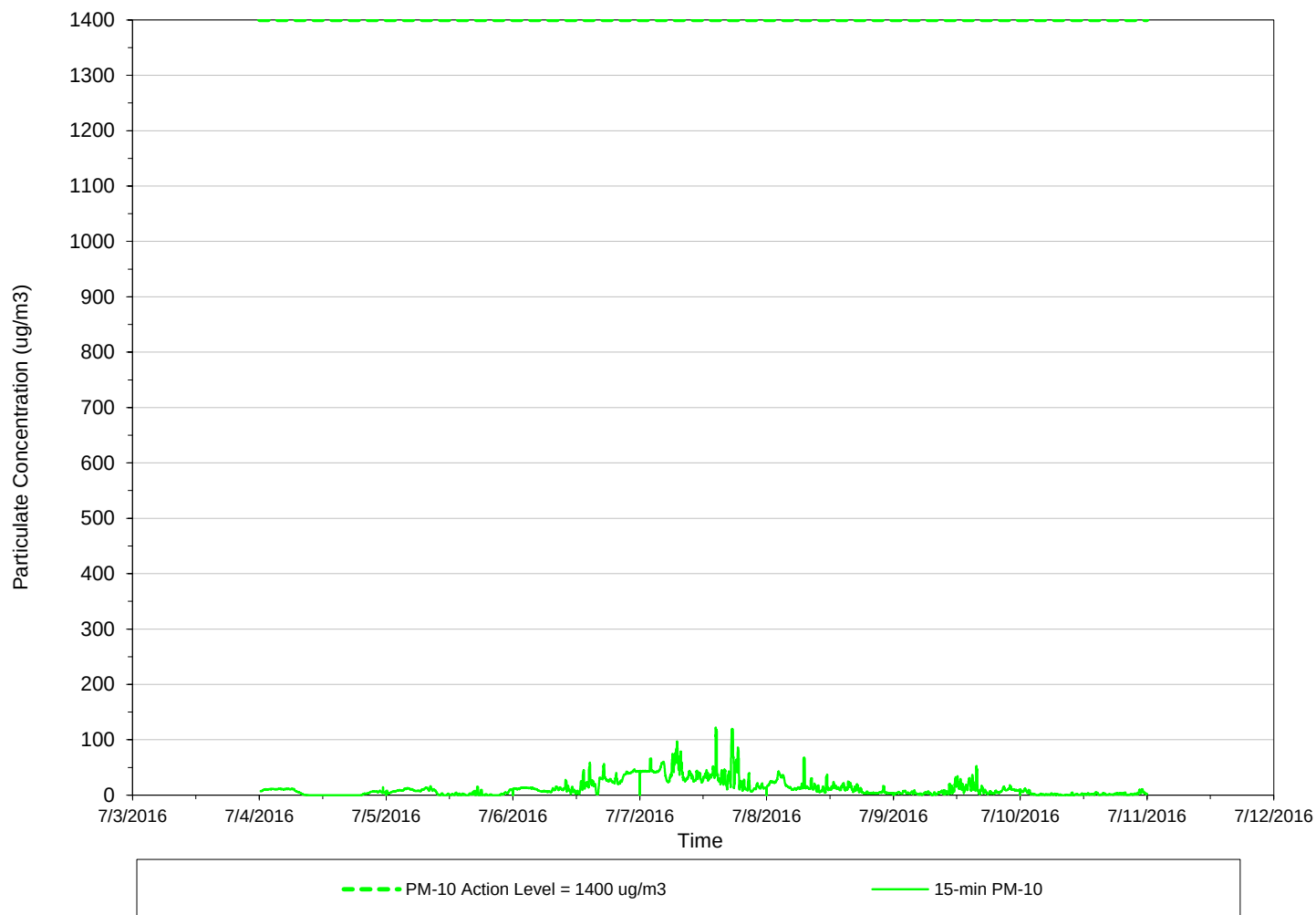
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 11, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.87

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/4/2016	14.35
7/5/2016	16.24
7/6/2016	59.11
7/7/2016	122.24
7/8/2016	68.05
7/9/2016	52.94
7/10/2016	11.96

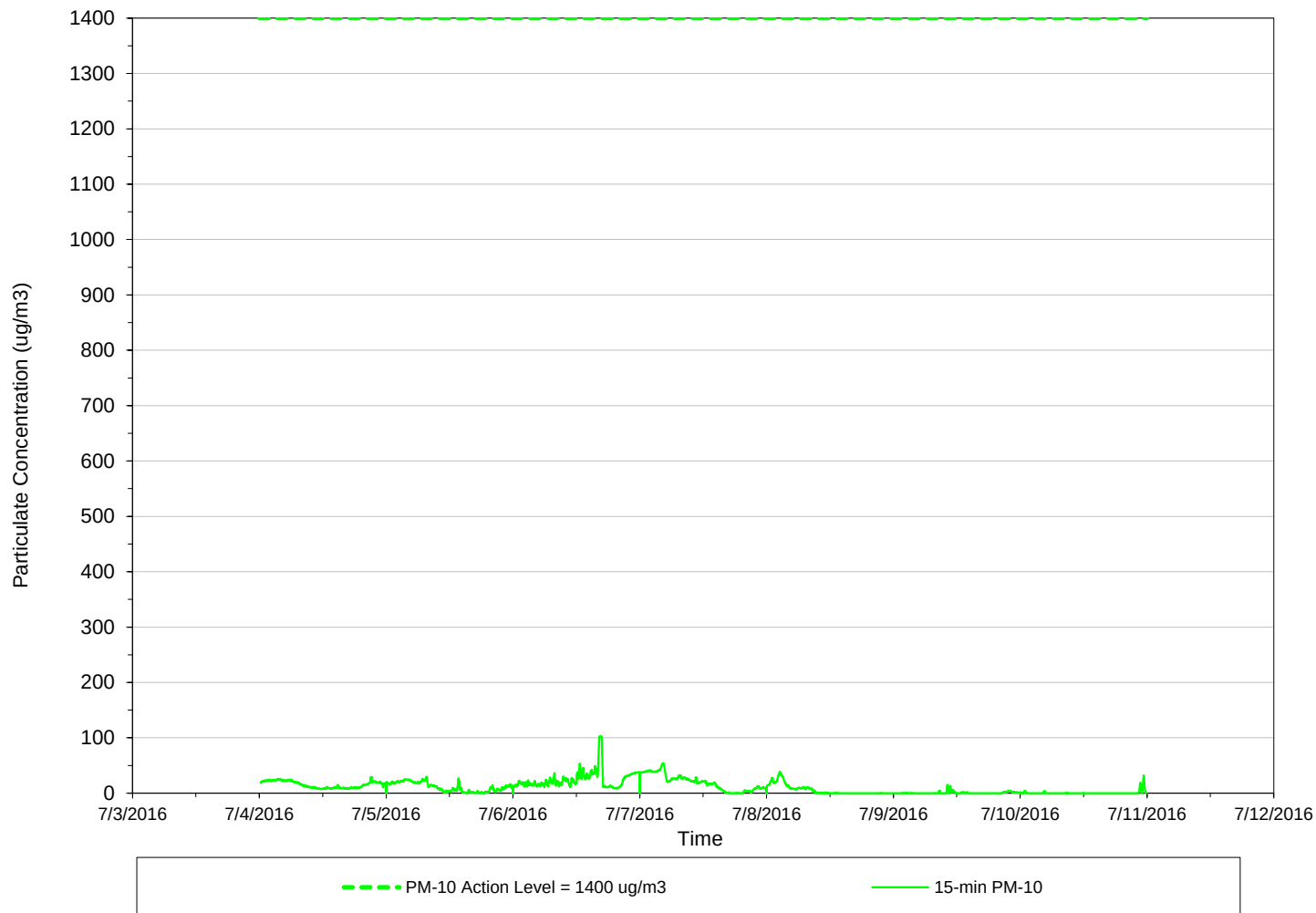
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 11, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.10

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/4/2016	29.06
7/5/2016	29.87
7/6/2016	102.48
7/7/2016	54.35
7/8/2016	38.64
7/9/2016	14.79
7/10/2016	32.28

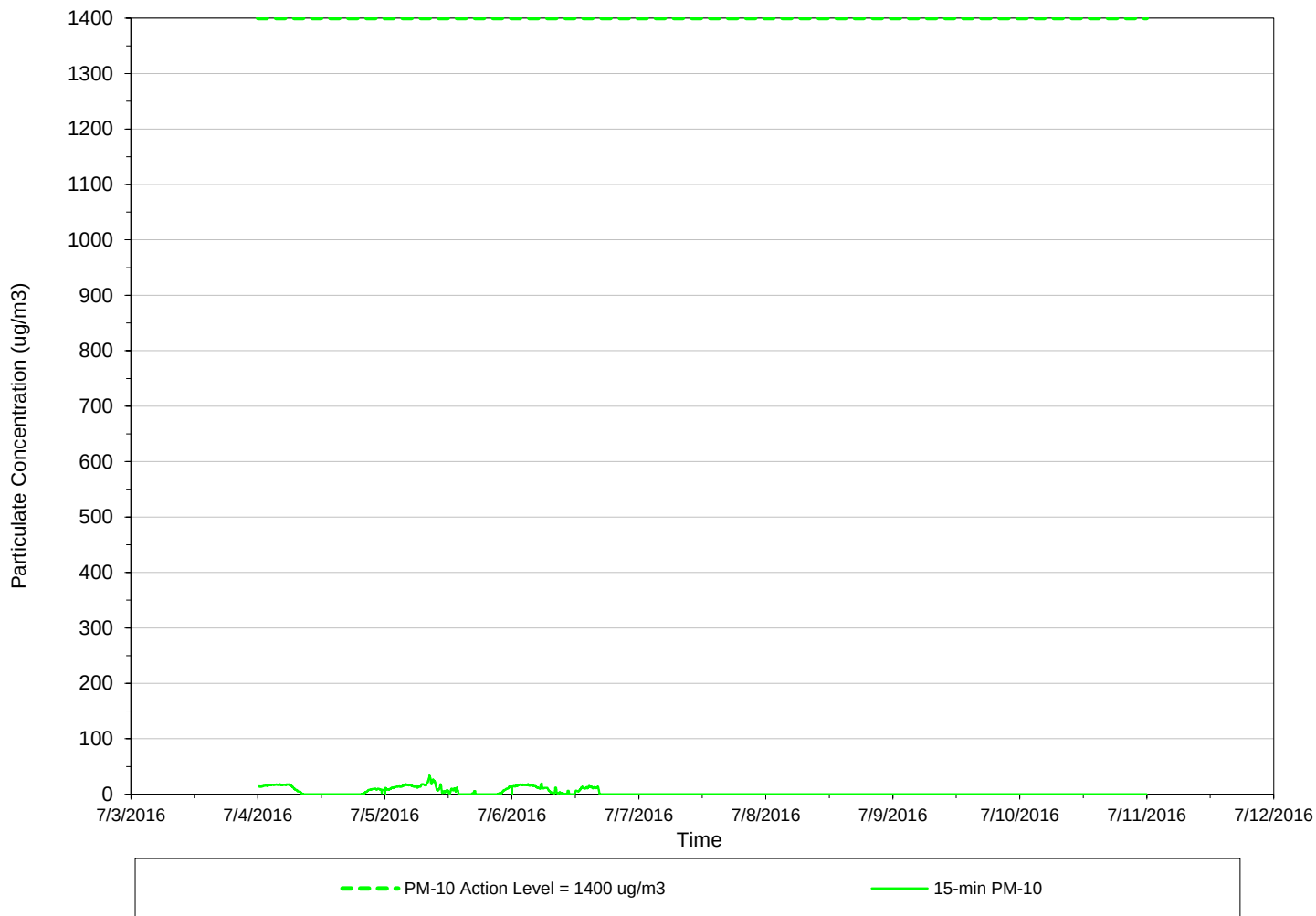
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 11, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.04

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
7/4/2016	18.21
7/5/2016	34.20
7/6/2016	19.42
7/7/2016	0.00
7/8/2016	0.00
7/9/2016	0.00
7/10/2016	0.00

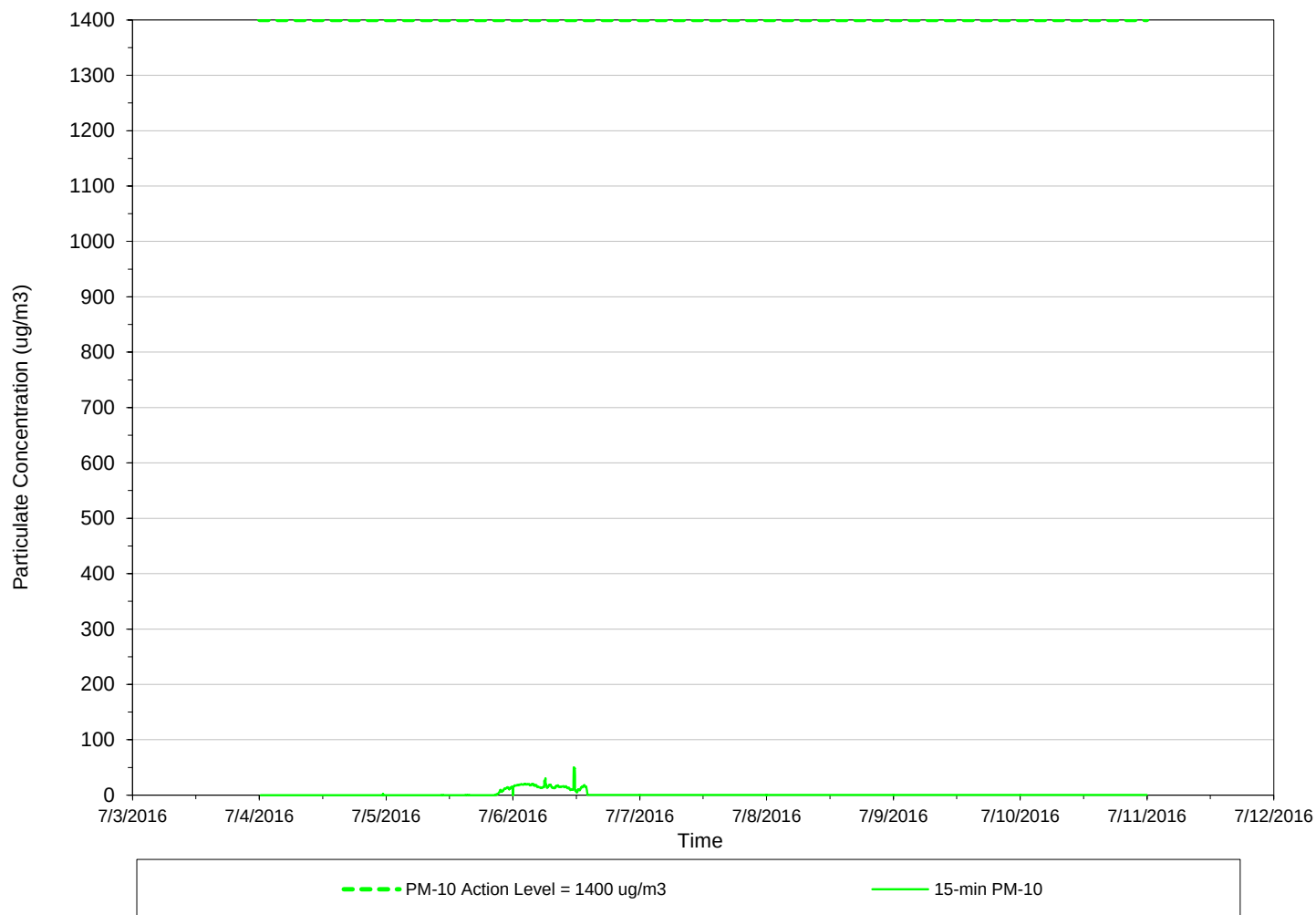
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 11, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 5
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.85

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/4/2016	2.16
7/5/2016	15.49
7/6/2016	50.54
7/7/2016	0.49
7/8/2016	0.49
7/9/2016	0.49
7/10/2016	0.49

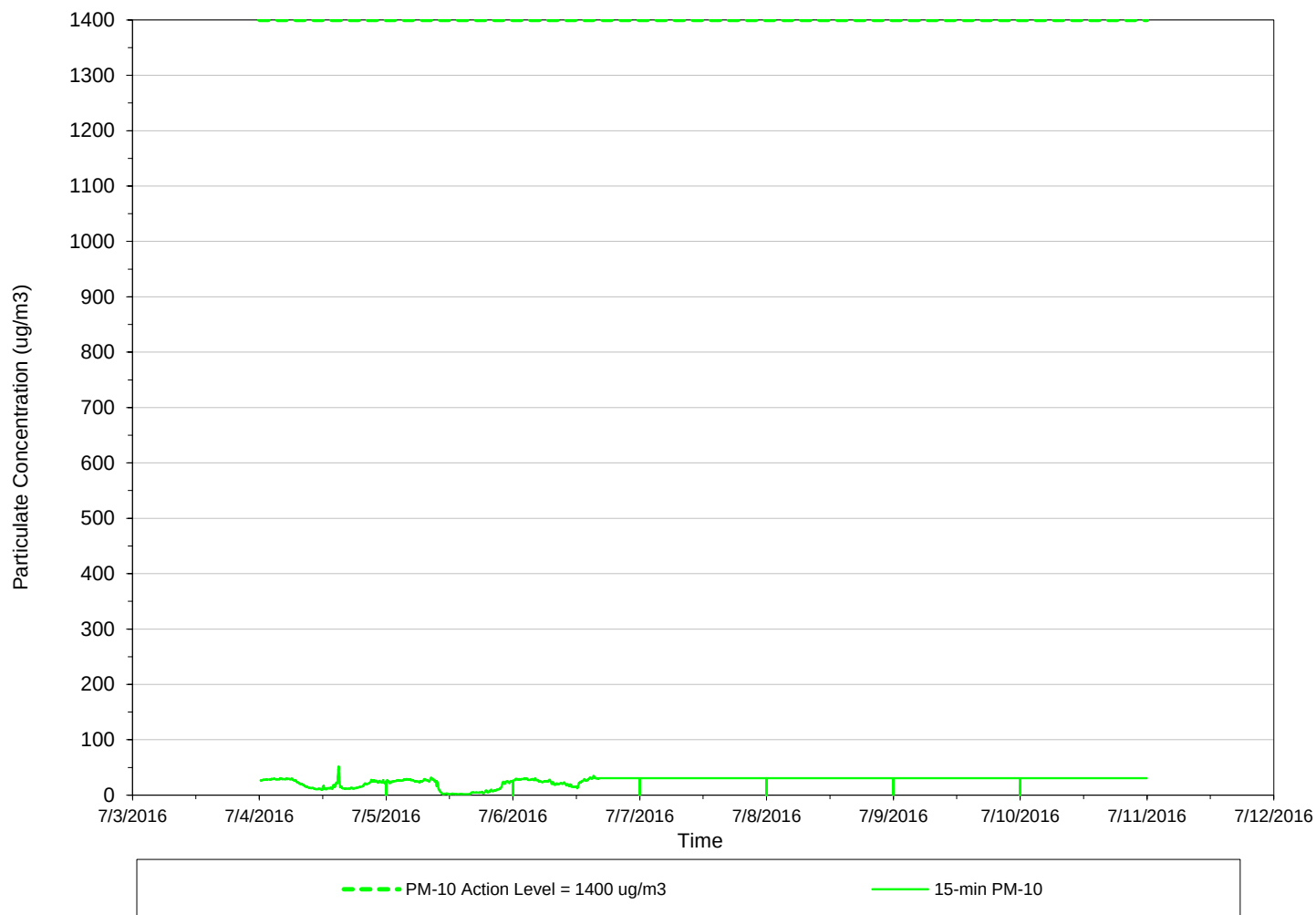
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 11, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 6
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 26.30

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/4/2016	52.21
7/5/2016	31.82
7/6/2016	34.77
7/7/2016	30.46
7/8/2016	30.46
7/9/2016	30.46
7/10/2016	30.46

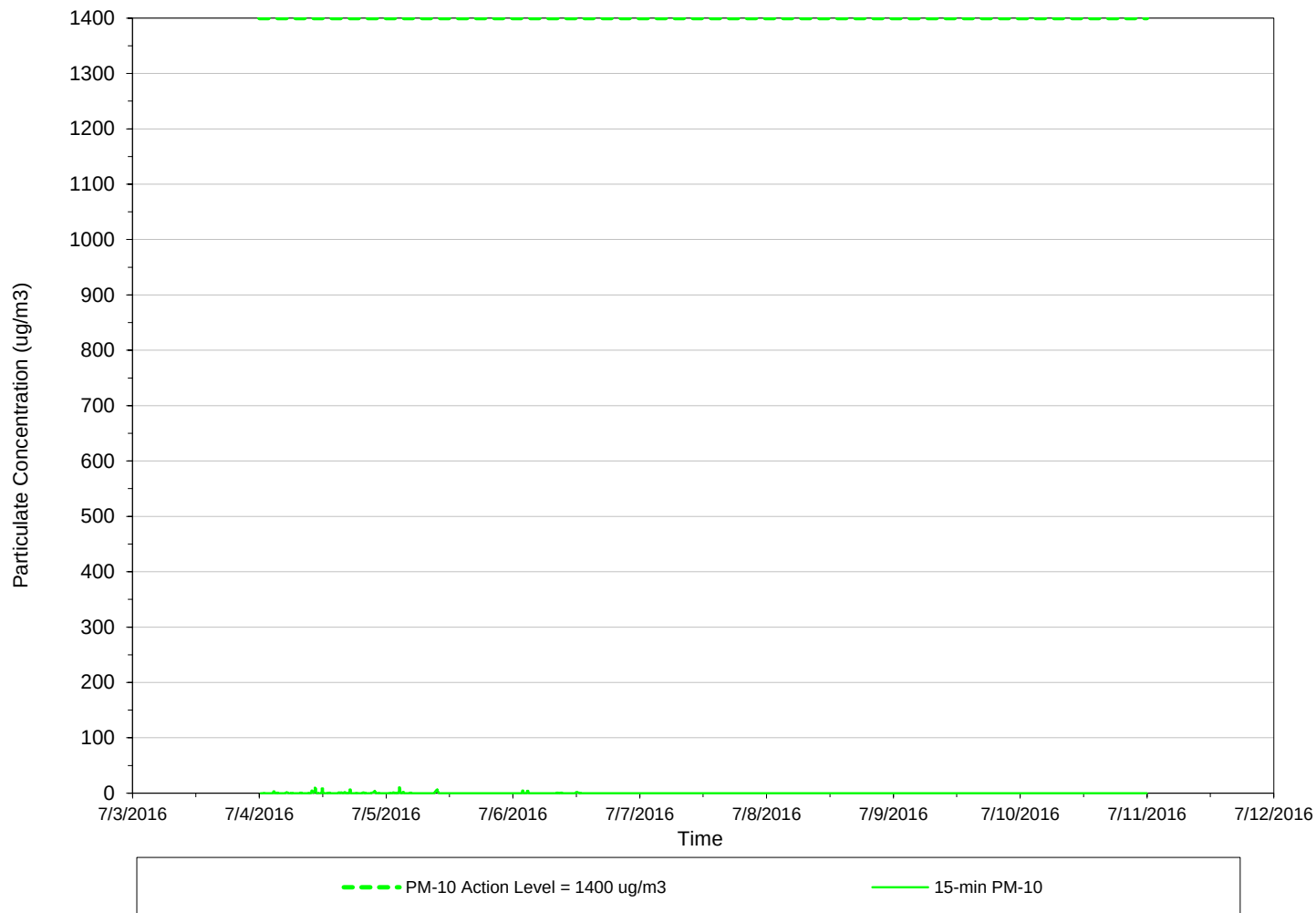
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 11, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 7
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.15

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
7/4/2016	10.25
7/5/2016	10.62
7/6/2016	4.62
7/7/2016	0.00
7/8/2016	0.00
7/9/2016	0.00
7/10/2016	0.00

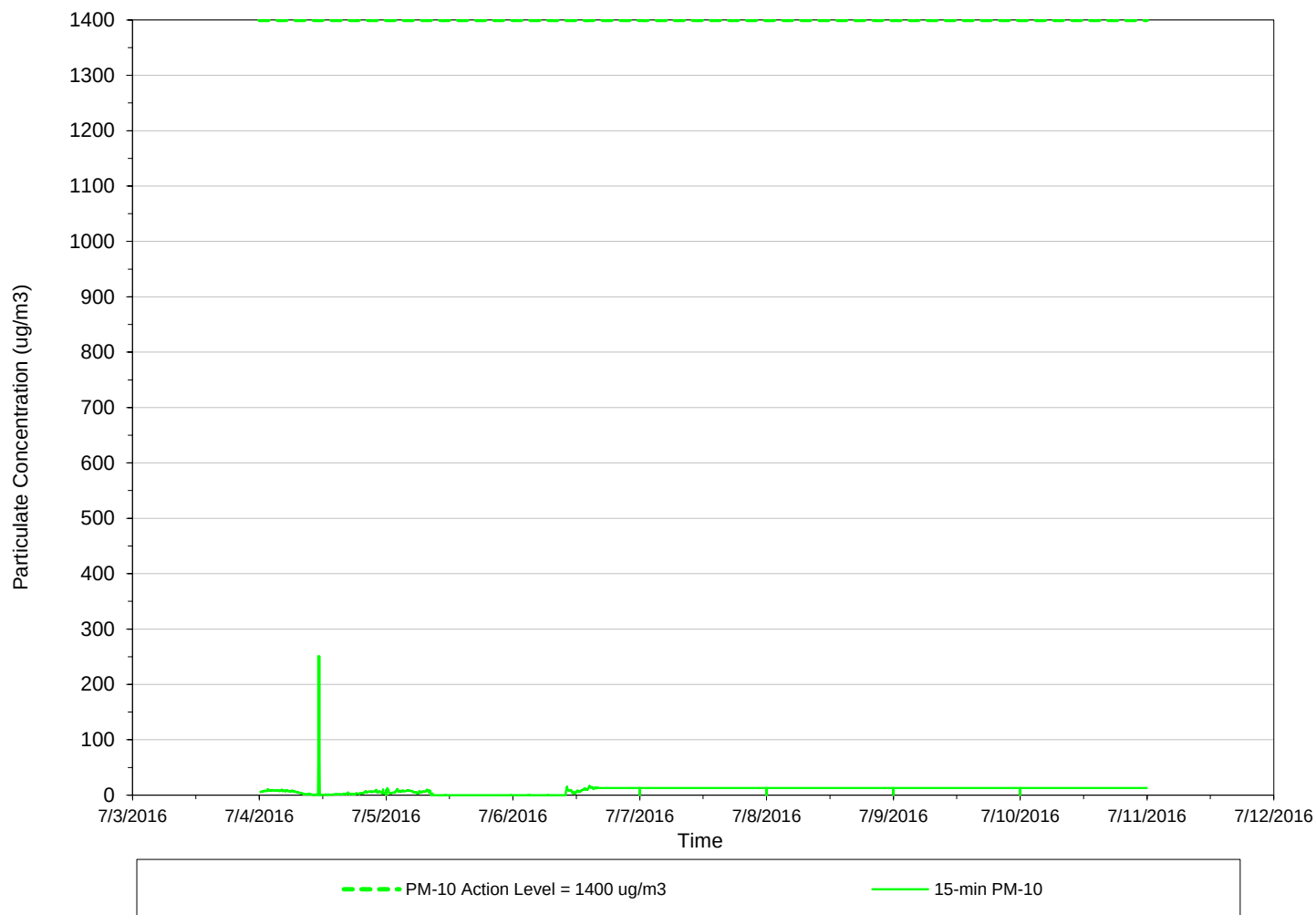
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul 11, 2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 8
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.71

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/4/2016	250.72
7/5/2016	12.72
7/6/2016	16.82
7/7/2016	12.94
7/8/2016	12.94
7/9/2016	12.94
7/10/2016	12.94

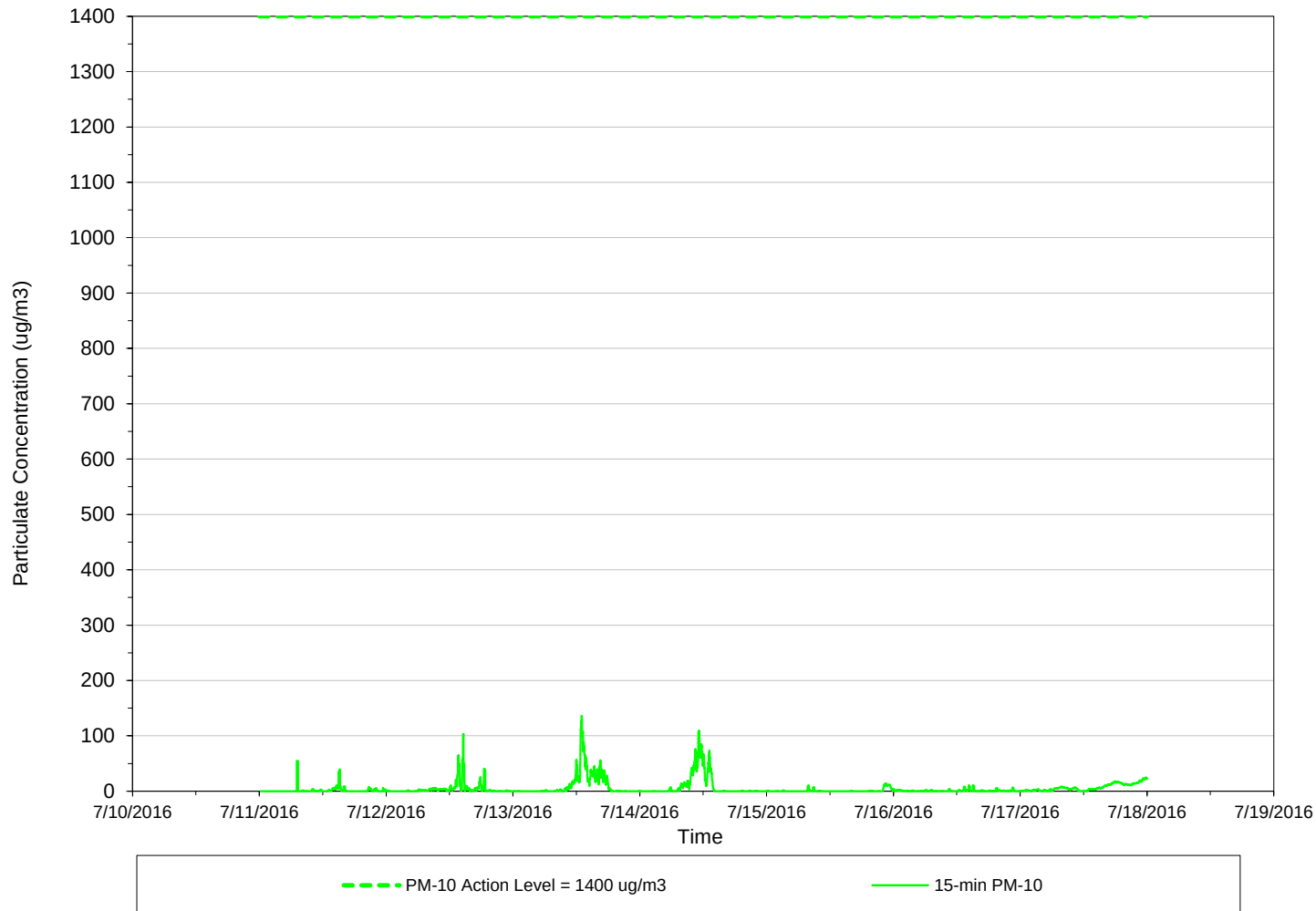
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Aug08,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.25

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
7/11/2016	54.69
7/12/2016	103.20
7/13/2016	135.97
7/14/2016	109.50
7/15/2016	13.63
7/16/2016	11.08
7/17/2016	24.44

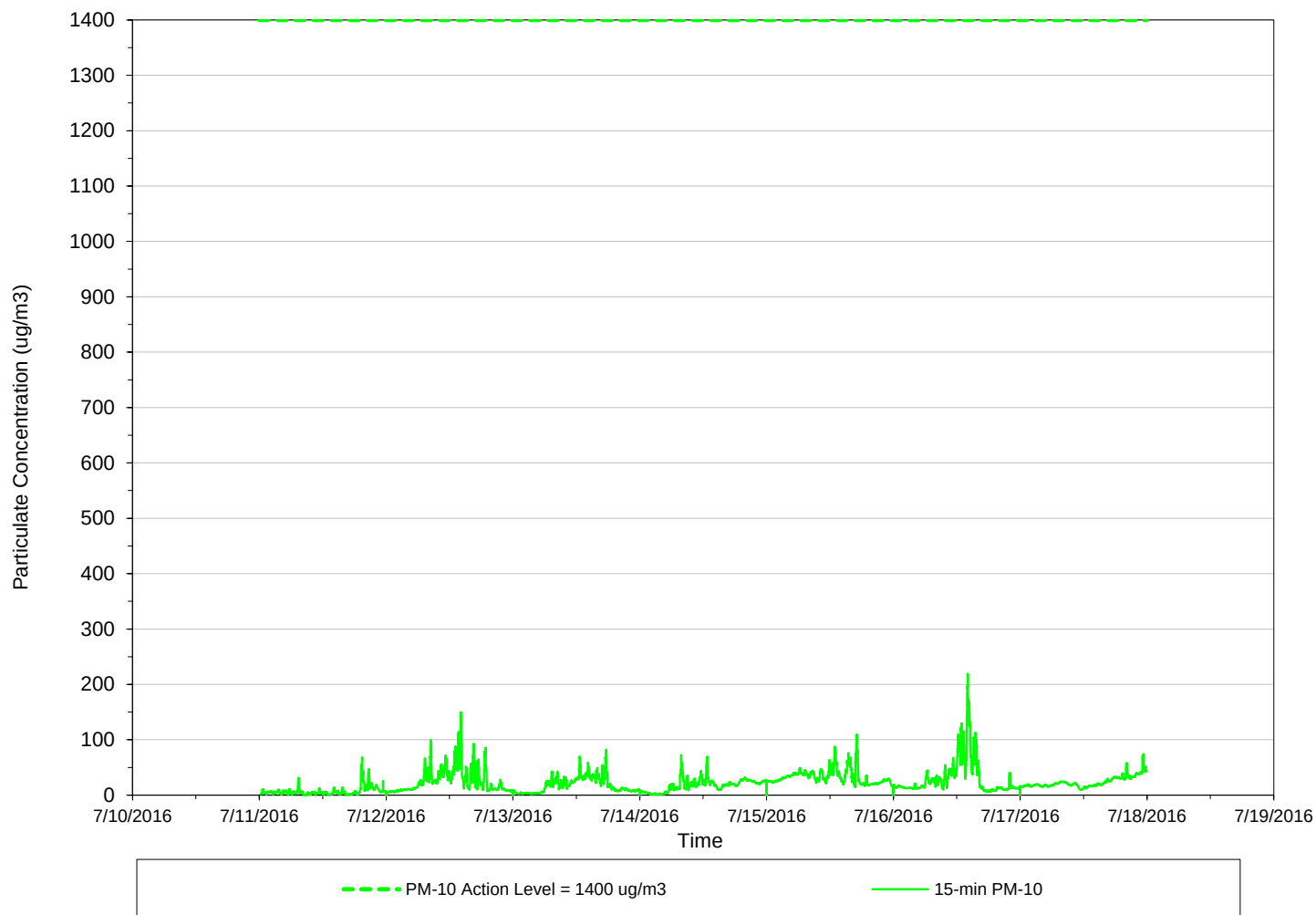
Wind Summary Statistics

CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Aug08,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 22.81

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/11/2016	68.72
7/12/2016	149.66
7/13/2016	82.08
7/14/2016	72.39
7/15/2016	109.93
7/16/2016	219.30
7/17/2016	73.95

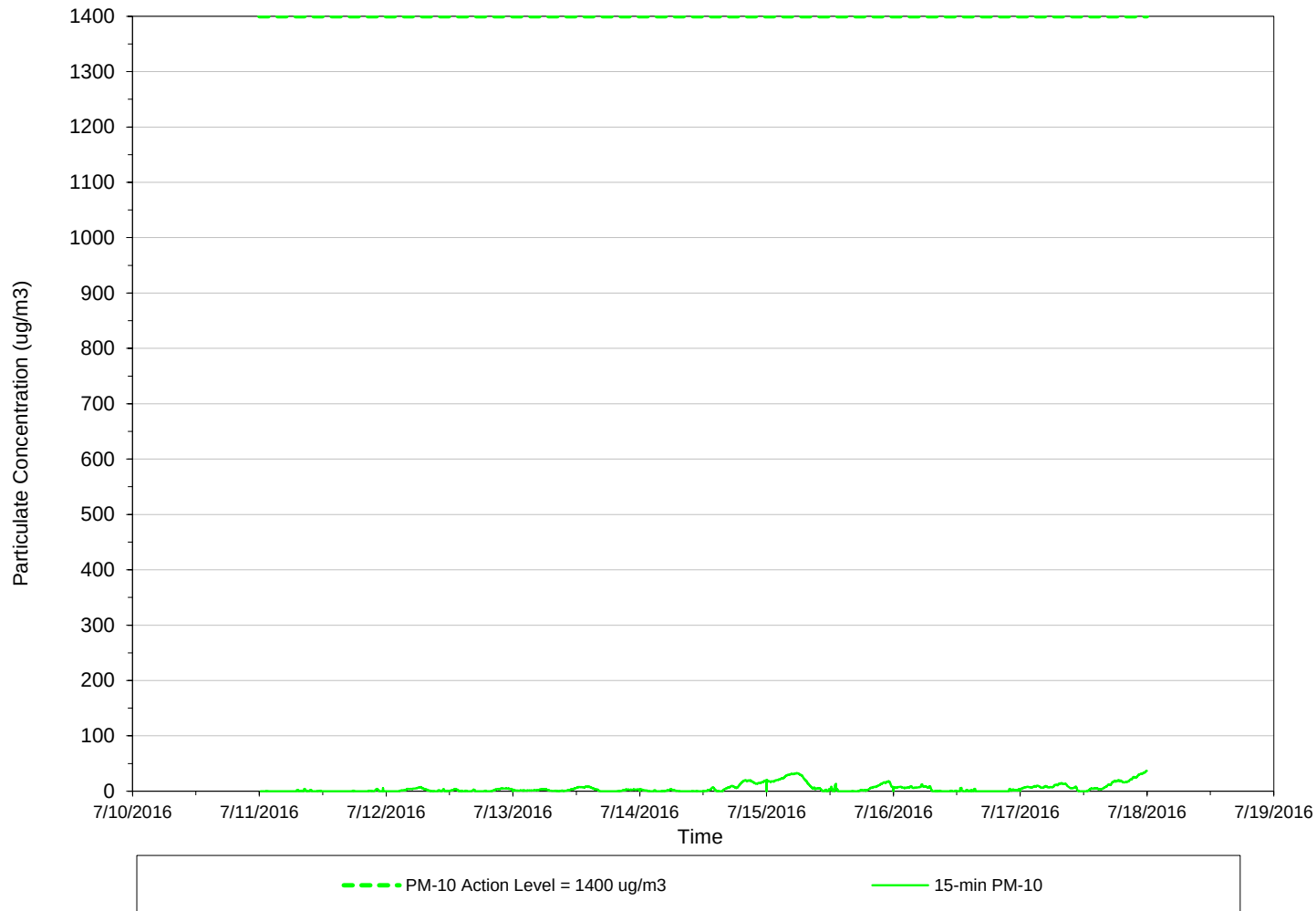
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Aug08,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.01

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/11/2016	5.60
7/12/2016	7.53
7/13/2016	8.36
7/14/2016	19.89
7/15/2016	32.62
7/16/2016	12.54
7/17/2016	36.71

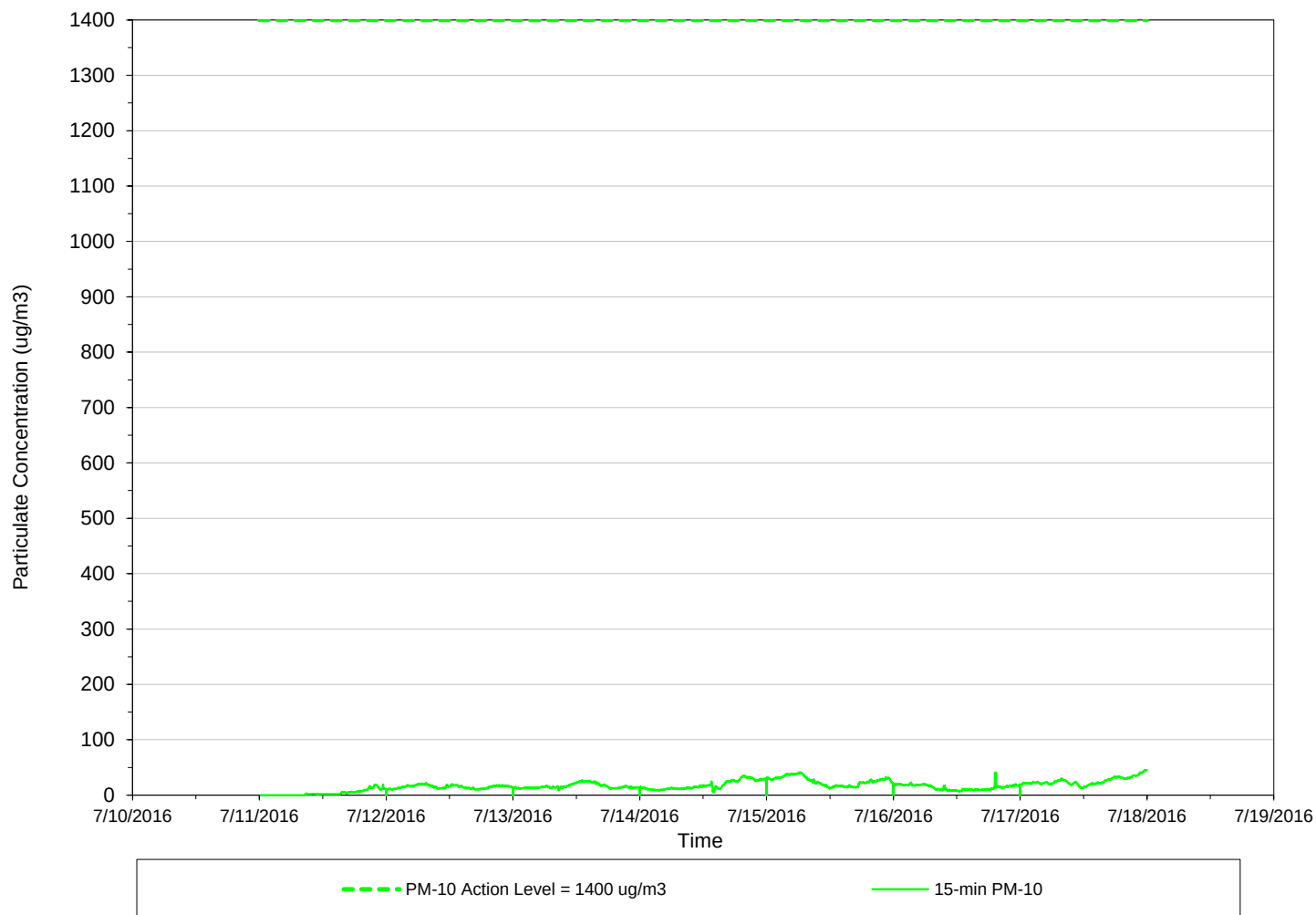
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Aug08,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 16.92

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
7/11/2016	18.89
7/12/2016	21.34
7/13/2016	26.43
7/14/2016	35.01
7/15/2016	41.32
7/16/2016	40.57
7/17/2016	45.55

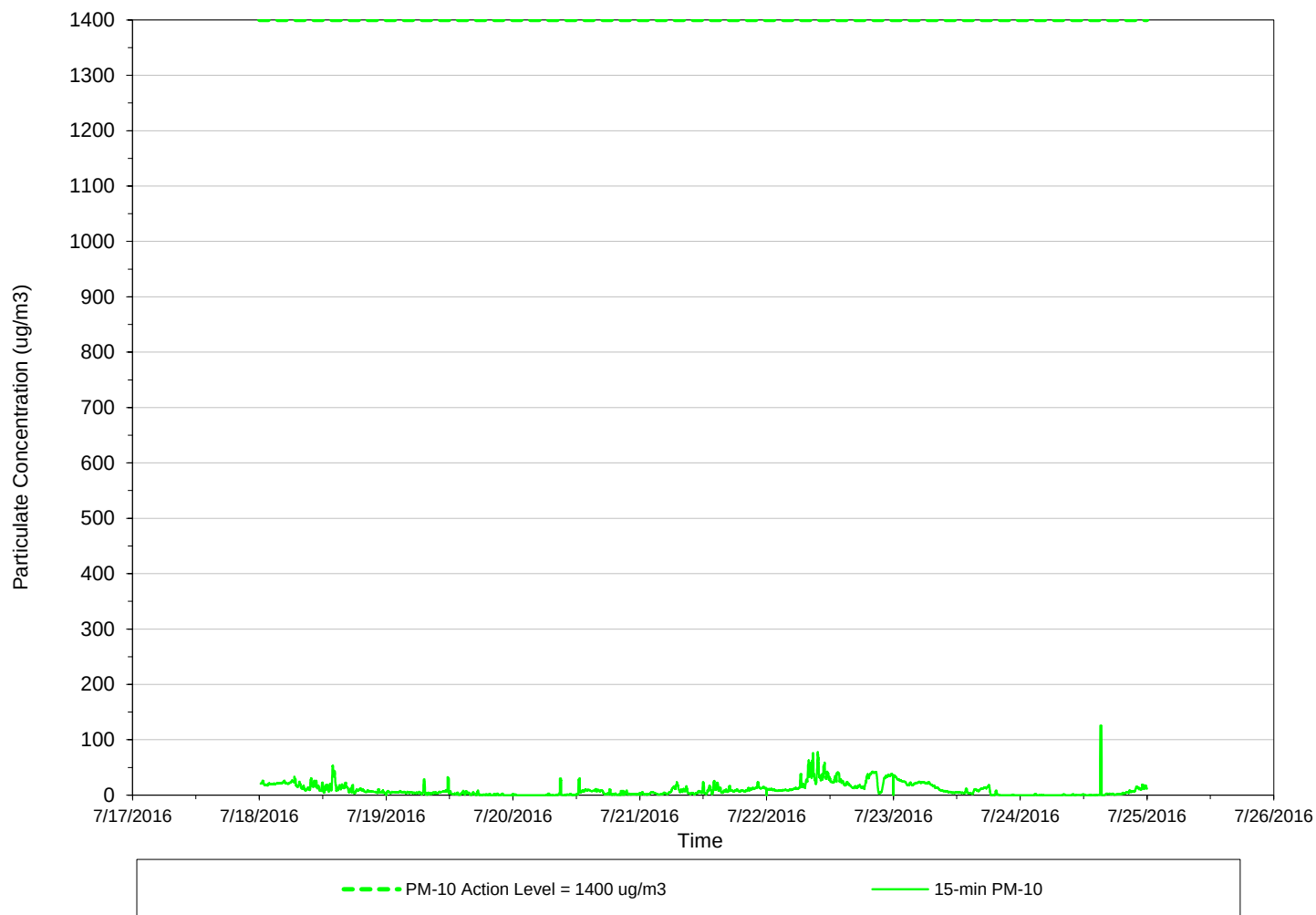
Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Jul25,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.84

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/18/2016	53.46
7/19/2016	32.56
7/20/2016	30.85
7/21/2016	25.72
7/22/2016	77.94
7/23/2016	35.97
7/24/2016	125.84

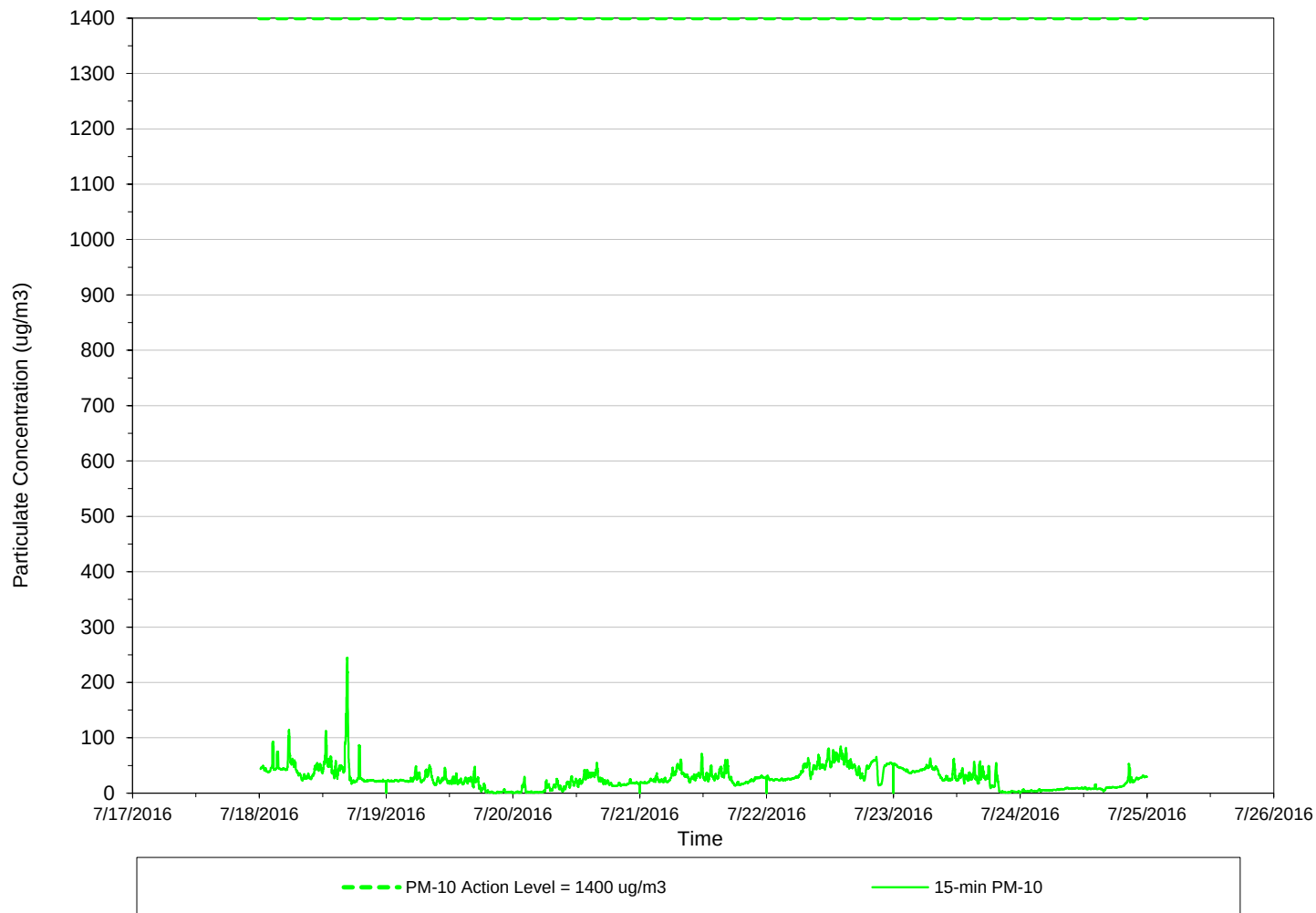
Wind Summary Statistics

CALM	13%
UW	5%
UW/CW	0%
CW	0%
CW/DW	1%
DW	6%
DW/CW	7%
CW/UW	69%
TOTAL	100%

Jul25,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 27.21

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/18/2016	244.62
7/19/2016	50.68
7/20/2016	54.54
7/21/2016	71.46
7/22/2016	84.34
7/23/2016	62.78
7/24/2016	52.48

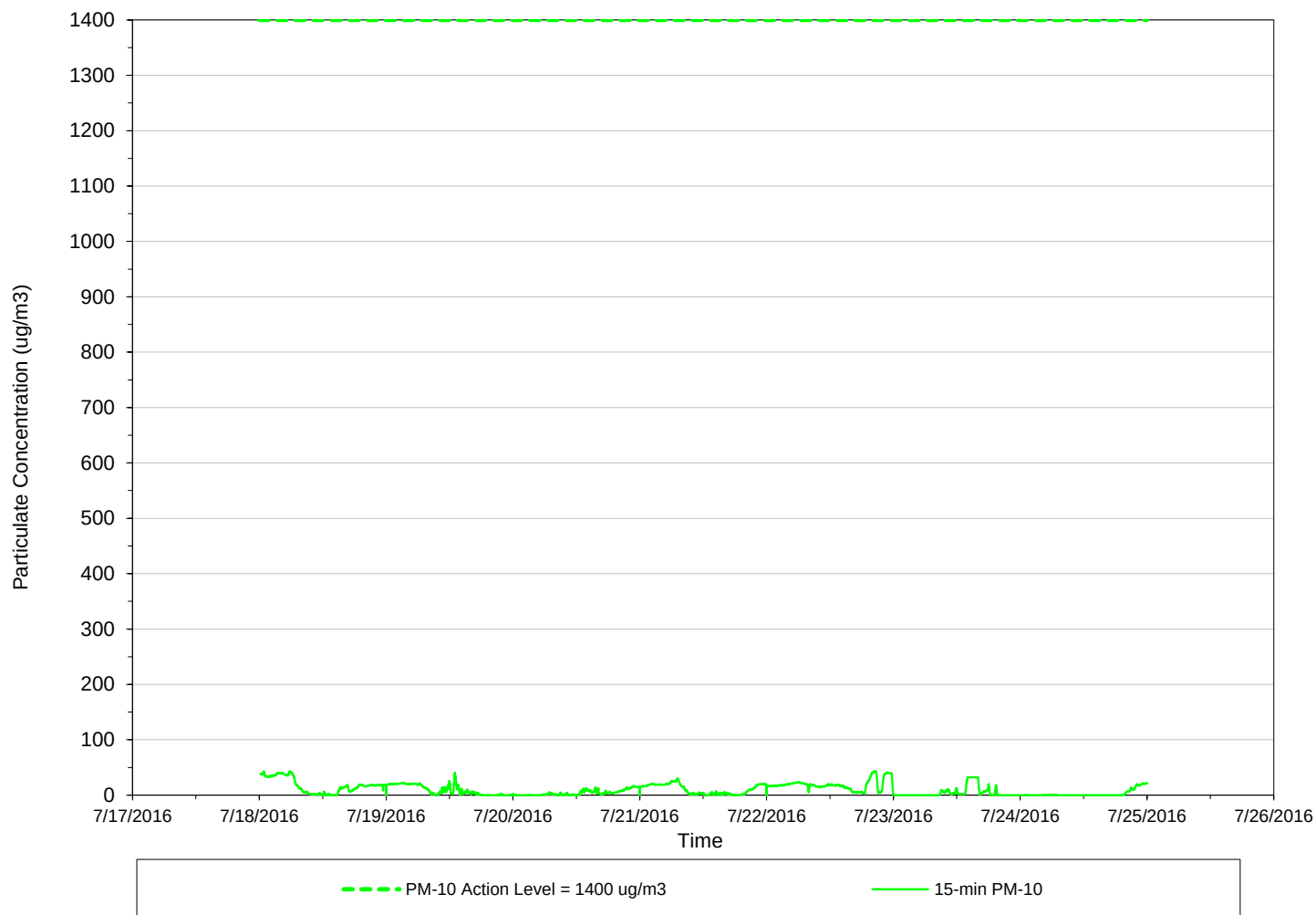
Wind Summary Statistics

CALM	13%
UW	2%
UW/CW	0%
CW	2%
CW/DW	5%
DW	76%
DW/CW	2%
CW/UW	0%
TOTAL	100%

Jul25,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.72

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
7/18/2016	43.20
7/19/2016	40.53
7/20/2016	16.88
7/21/2016	30.20
7/22/2016	42.94
7/23/2016	31.86
7/24/2016	21.49

Wind Summary Statistics

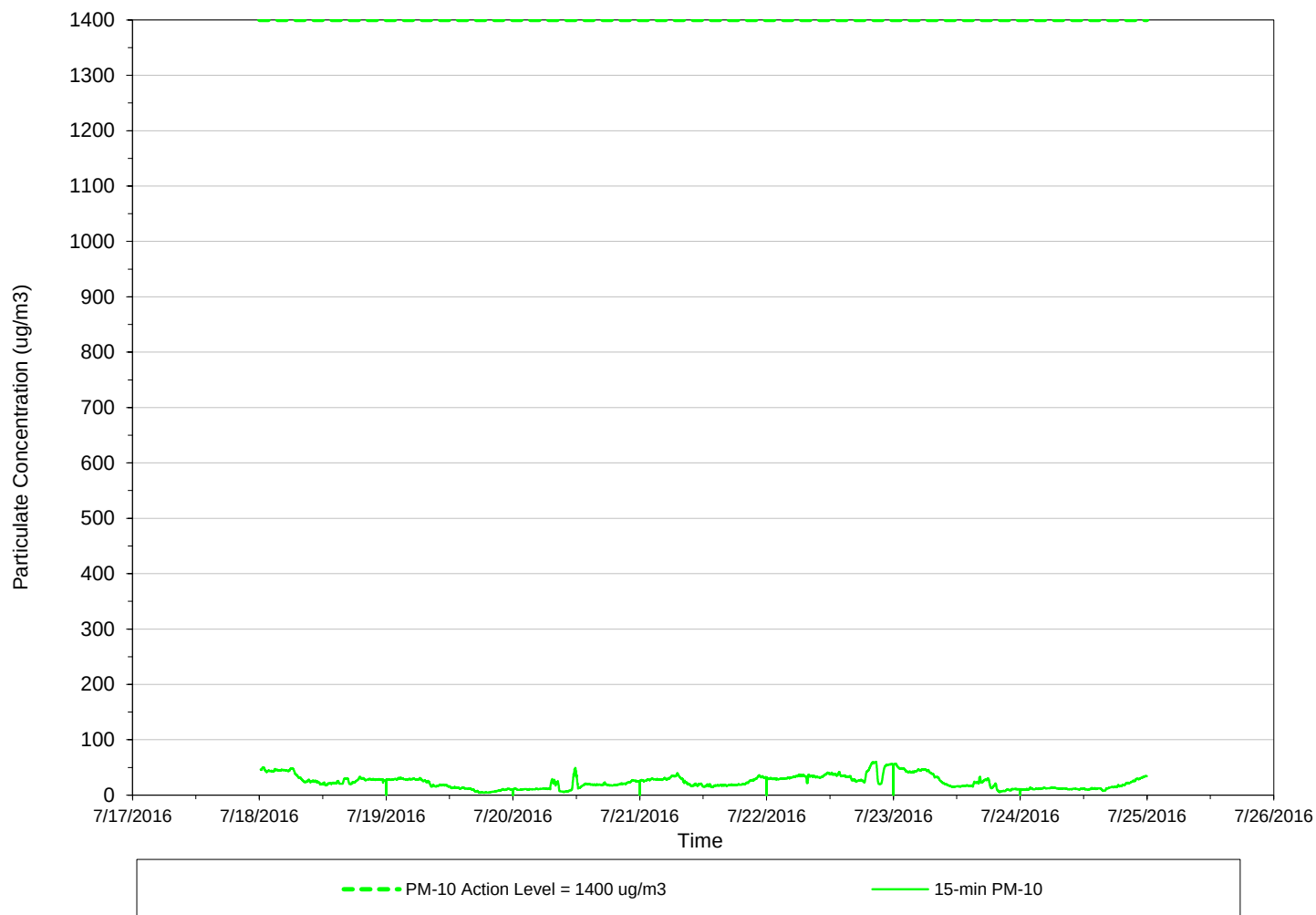
CALM	13%
UW	28%
UW/CW	0%
CW	0%
CW/DW	0%
DW	7%
DW/CW	0%
CW/UW	52%
TOTAL	100%



Jul25,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 23.70

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
7/18/2016	50.48
7/19/2016	31.52
7/20/2016	49.15
7/21/2016	39.33
7/22/2016	60.22
7/23/2016	56.93
7/24/2016	34.62

Wind Summary Statistics

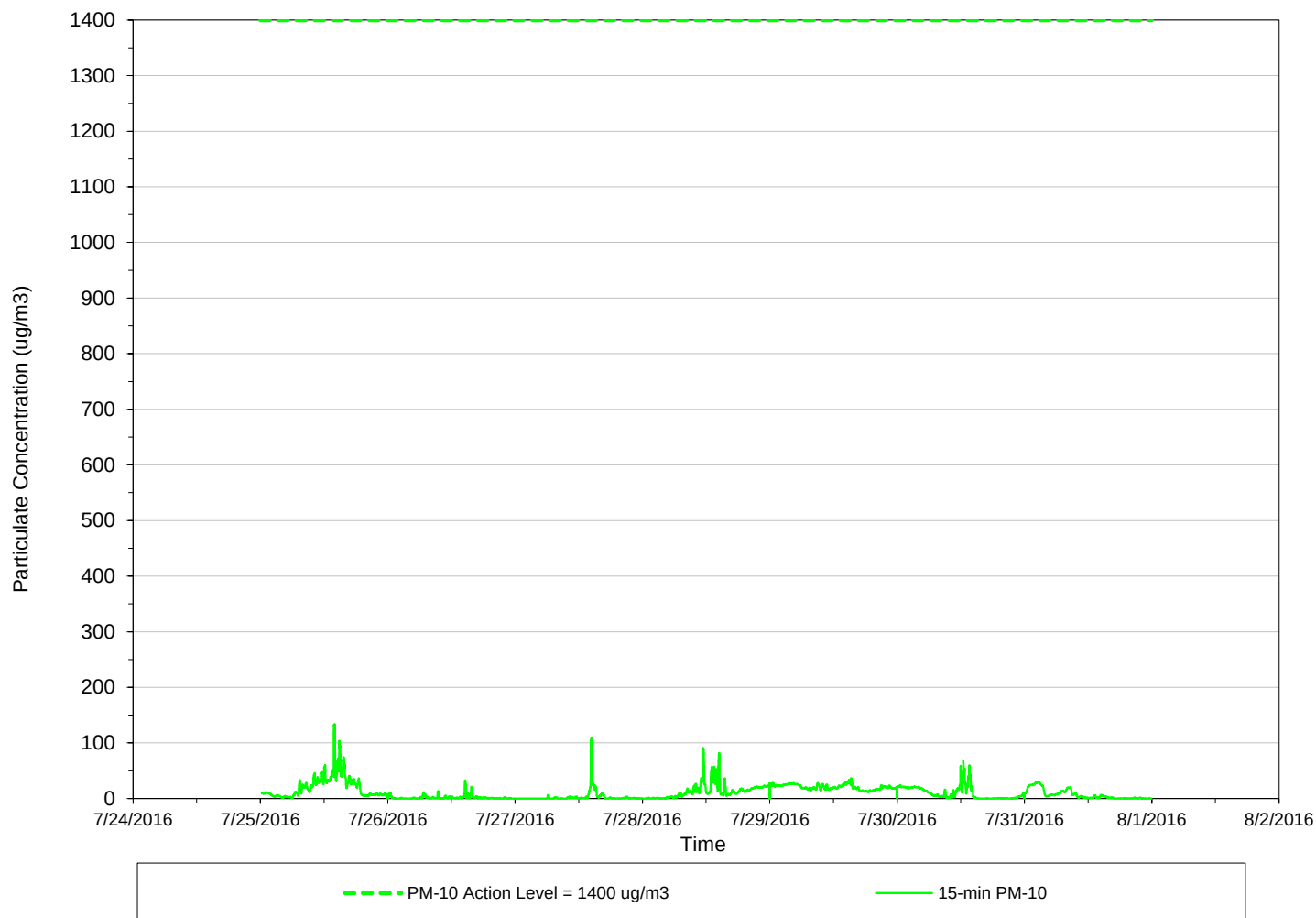
CALM	13%
UW	0%
UW/CW	0%
CW	11%
CW/DW	1%
DW	2%
DW/CW	0%
CW/UW	74%
TOTAL	100%



Aug01,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.15

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
7/25/2016	133.65
7/26/2016	32.51
7/27/2016	109.38
7/28/2016	90.58
7/29/2016	36.79
7/30/2016	67.53
7/31/2016	29.27

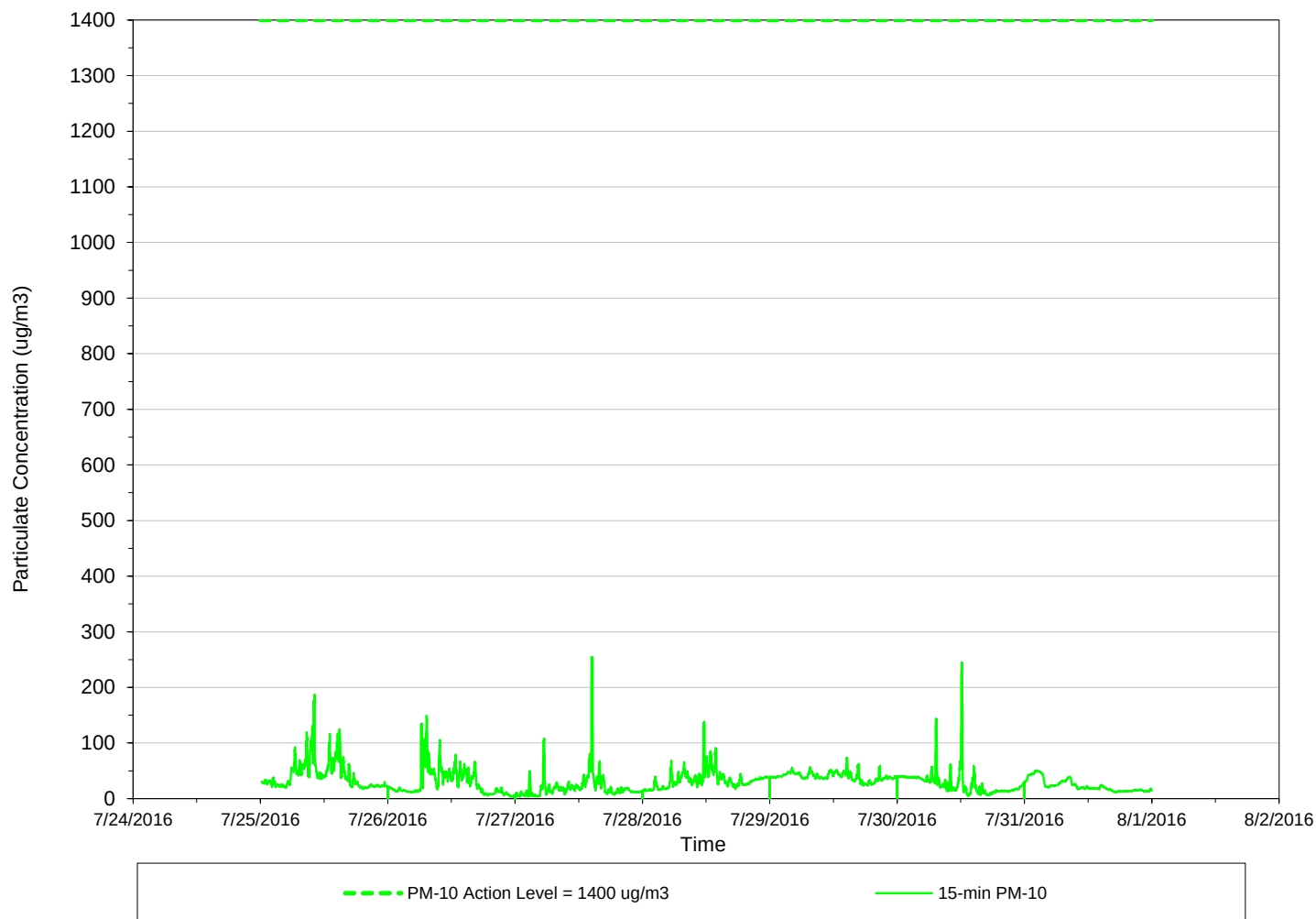
Wind Summary Statistics

CALM	26%
UW	9%
UW/CW	0%
CW	0%
CW/DW	3%
DW	21%
DW/CW	5%
CW/UW	36%
TOTAL	100%

Aug01,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 31.39

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/25/2016	187.18
7/26/2016	149.13
7/27/2016	254.88
7/28/2016	138.76
7/29/2016	73.38
7/30/2016	244.39
7/31/2016	50.65

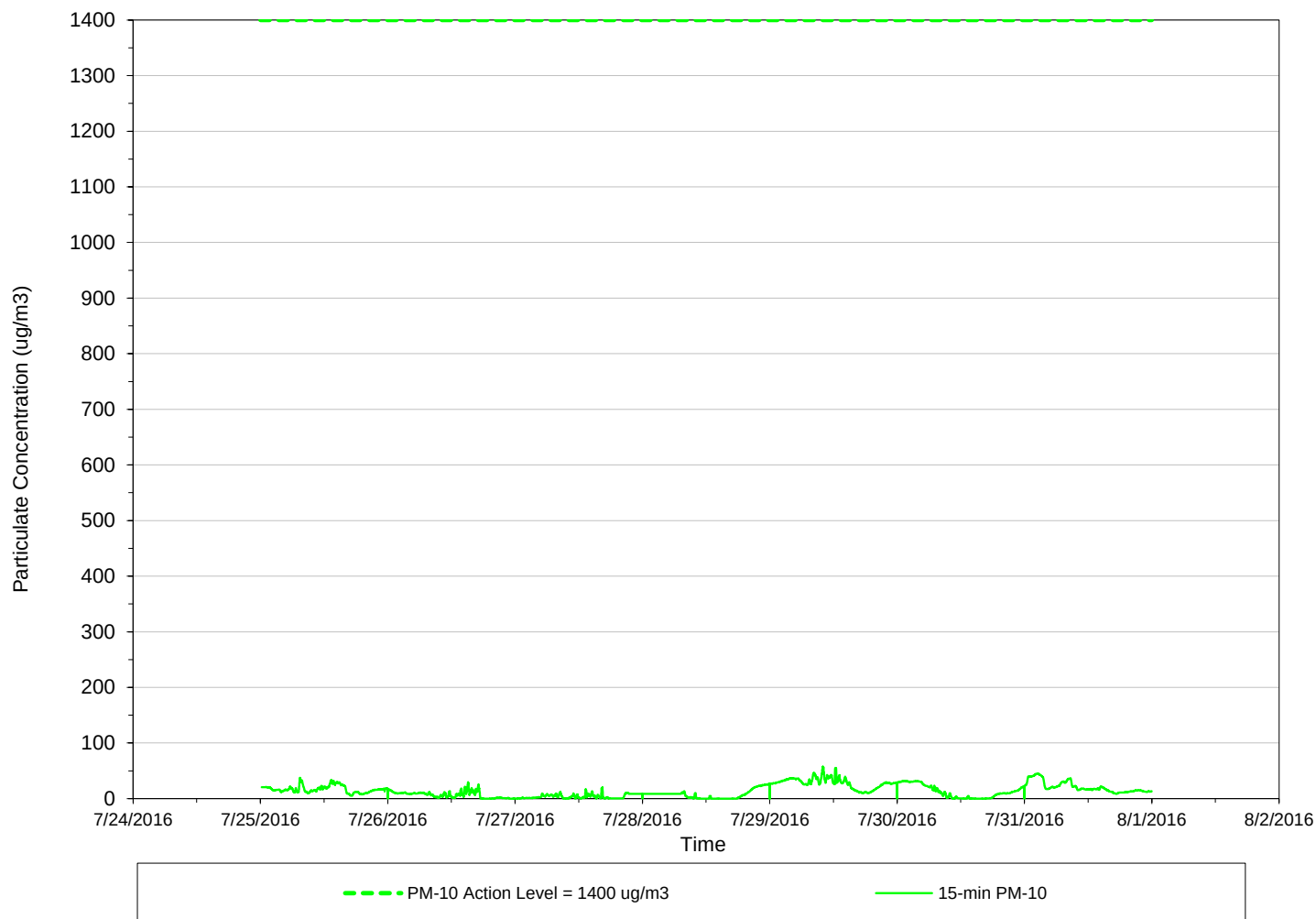
Wind Summary Statistics

CALM	26%
UW	16%
UW/CW	0%
CW	4%
CW/DW	4%
DW	48%
DW/CW	2%
CW/UW	0%
TOTAL	100%

Aug01,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.83

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/25/2016	37.20
7/26/2016	29.72
7/27/2016	19.91
7/28/2016	27.03
7/29/2016	57.48
7/30/2016	32.02
7/31/2016	44.90

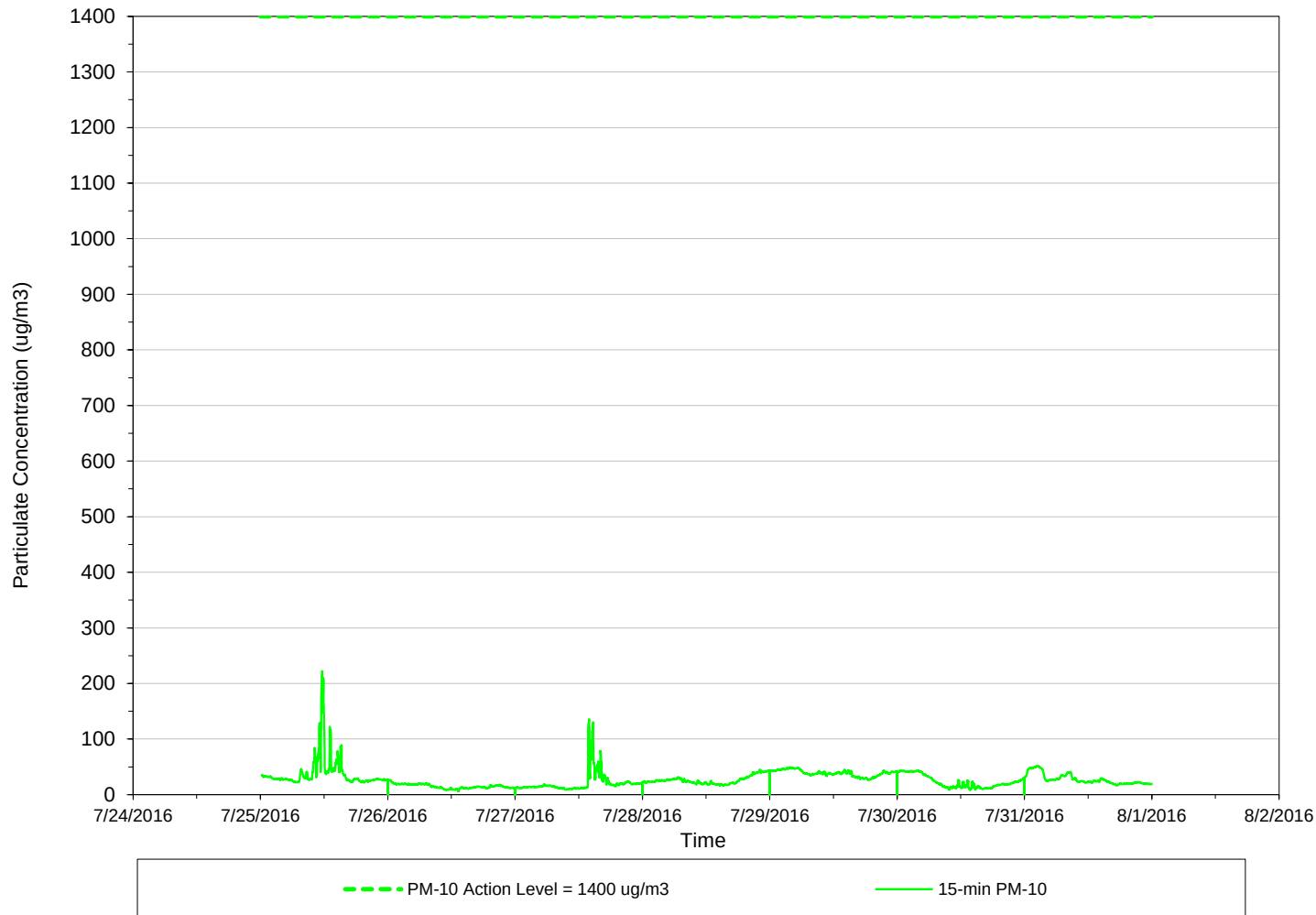
Wind Summary Statistics

CALM	26%
UW	24%
UW/CW	0%
CW	0%
CW/DW	0%
DW	22%
DW/CW	0%
CW/UW	29%
TOTAL	100%

Aug01,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 27.30

Daily
Data Summary Statistics

PM10 max= (15Min Avg)

7/25/2016	222.17
7/26/2016	26.58
7/27/2016	135.91
7/28/2016	45.12
7/29/2016	49.22
7/30/2016	43.74
7/31/2016	51.67

Wind Summary Statistics

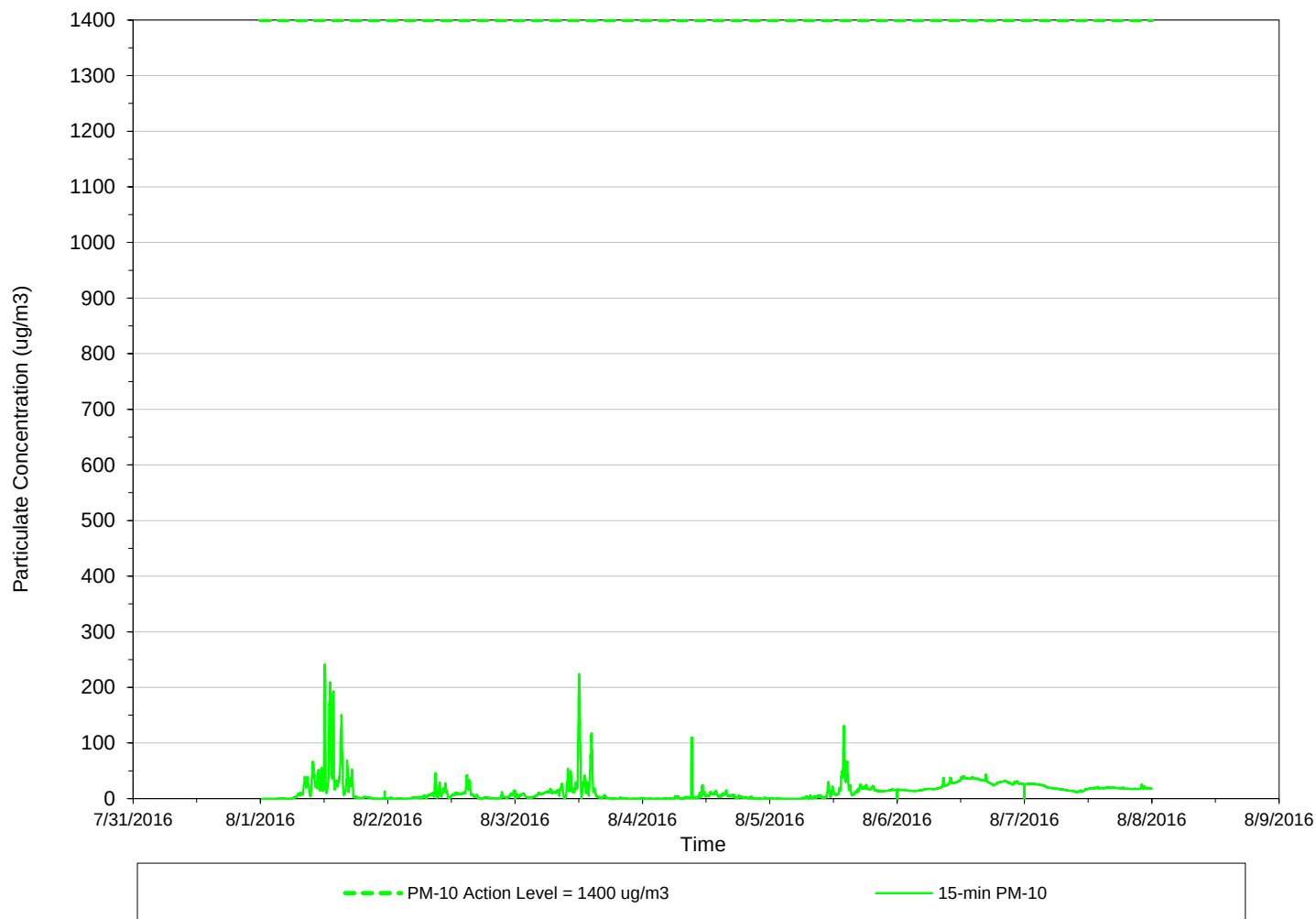
CALM	26%
UW	0%
UW/CW	0%
CW	19%
CW/DW	3%
DW	13%
DW/CW	0%
CW/UW	39%
TOTAL	100%



Aug08,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 14.14

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
8/1/2016	241.09
8/2/2016	45.84
8/3/2016	224.04
8/4/2016	109.92
8/5/2016	131.31
8/6/2016	43.53
8/7/2016	27.26

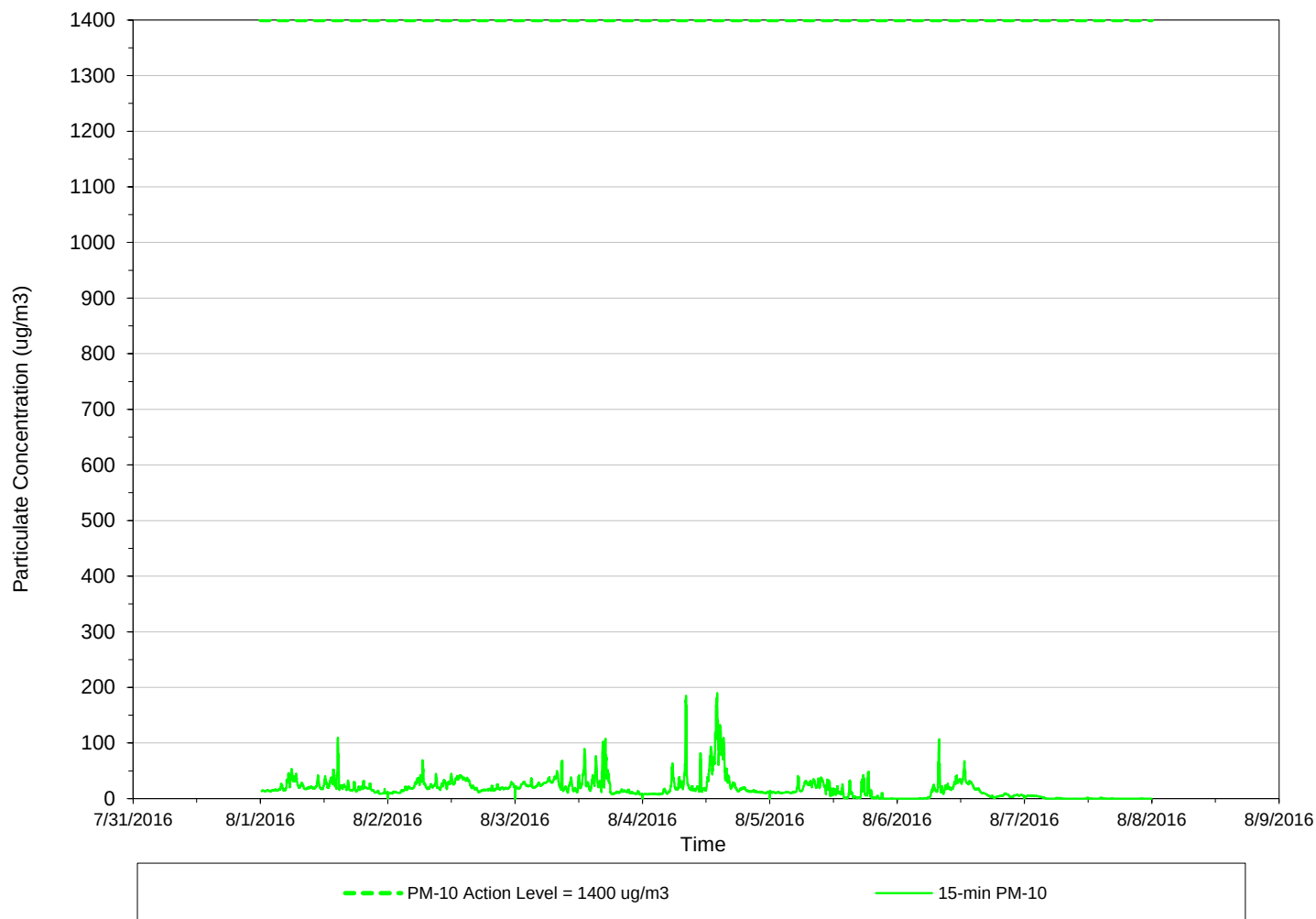
Wind Summary Statistics

CALM	19%
UW	8%
UW/CW	0%
CW	0%
CW/DW	3%
DW	25%
DW/CW	8%
CW/UW	37%
TOTAL	100%

Aug08,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 17.97

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
8/1/2016	109.48
8/2/2016	68.83
8/3/2016	107.23
8/4/2016	189.38
8/5/2016	48.68
8/6/2016	106.94
8/7/2016	5.87

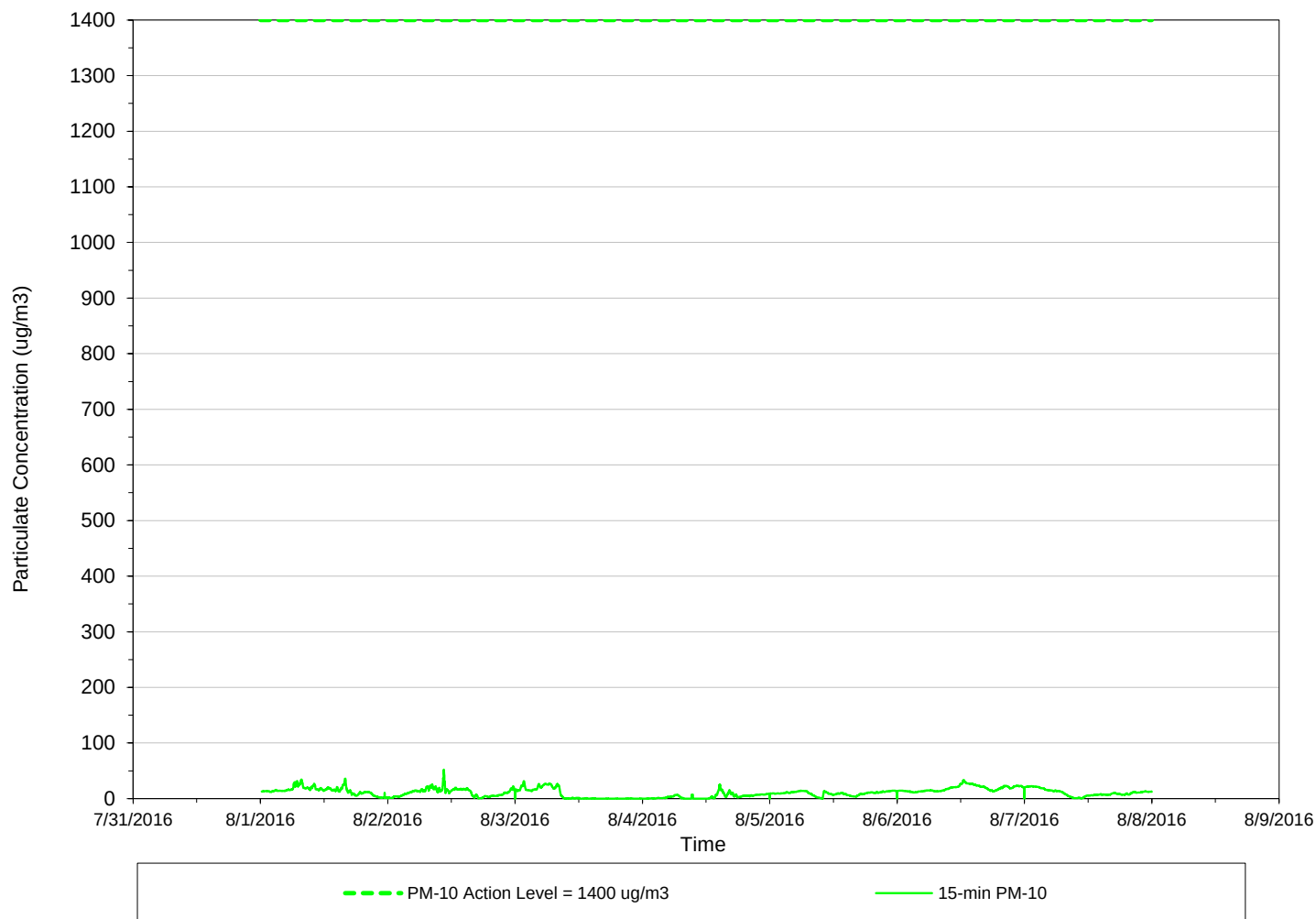
Wind Summary Statistics

CALM	19%
UW	18%
UW/CW	1%
CW	6%
CW/DW	6%
DW	50%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Aug08,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 10.79

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
8/1/2016	35.80
8/2/2016	52.47
8/3/2016	31.49
8/4/2016	24.74
8/5/2016	14.34
8/6/2016	33.53
8/7/2016	22.63

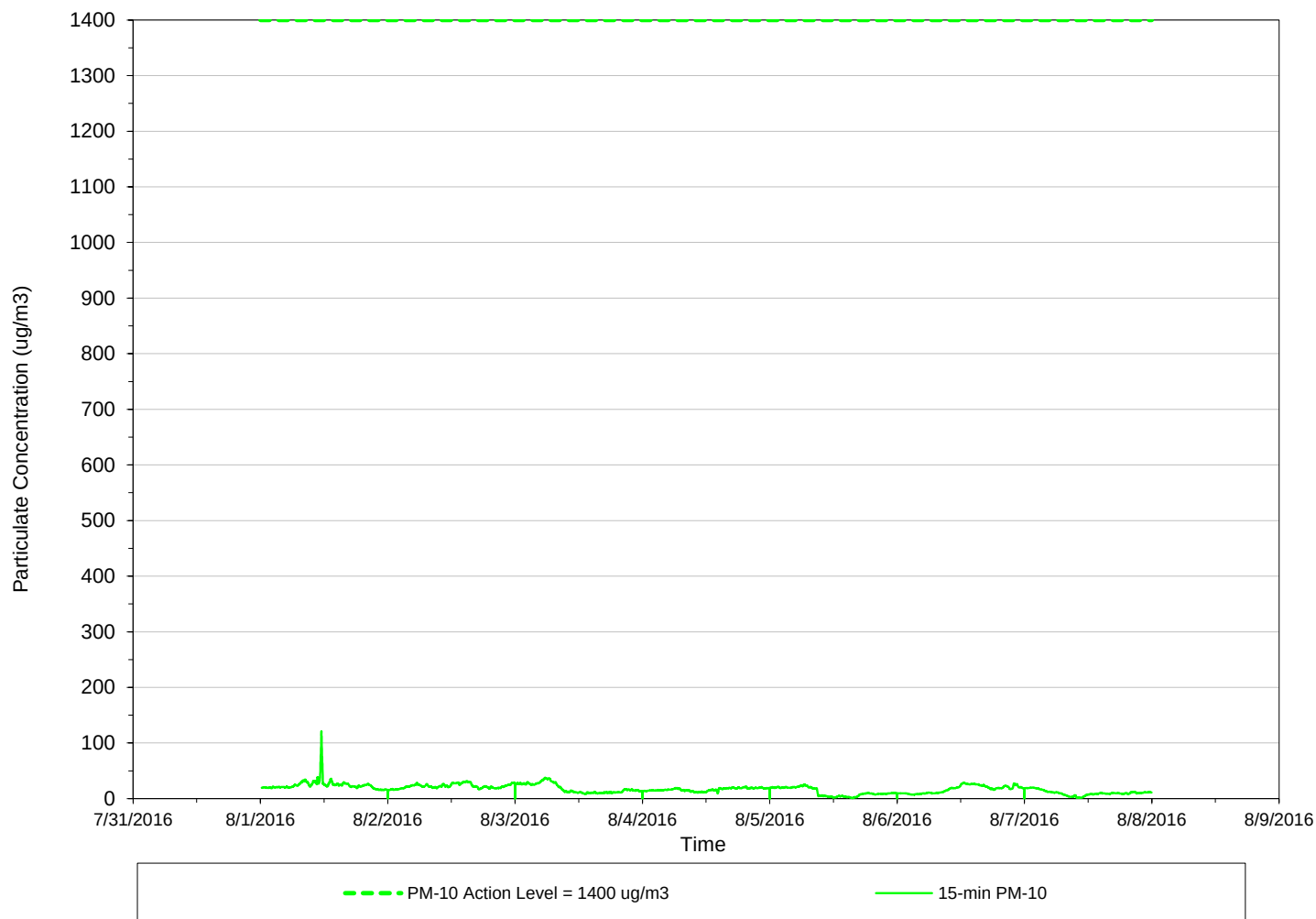
Wind Summary Statistics

CALM	19%
UW	36%
UW/CW	0%
CW	0%
CW/DW	0%
DW	22%
DW/CW	0%
CW/UW	24%
TOTAL	100%

Aug08,2016

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
 15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 17.14

Daily
Data Summary Statistics

PM10 max= (15Min Avg)	
8/1/2016	121.53
8/2/2016	31.78
8/3/2016	37.82
8/4/2016	21.54
8/5/2016	25.71
8/6/2016	28.90
8/7/2016	20.12

Wind Summary Statistics

CALM	19%
UW	0%
UW/CW	0%
CW	24%
CW/DW	4%
DW	12%
DW/CW	0%
CW/UW	42%
TOTAL	100%