

**ANNUAL SITE MANAGEMENT REPORT  
FROM AUGUST 2013 TO JULY 2014  
MOTT HAVEN CAMPUS-X790  
730 CONCOURSE VILLAGE WEST  
BRONX, NEW YORK  
BCP AGREEMENT # C-203030**

**PREPARED FOR:**



Joel I. Klein  
Chancellor

**New York City Department of Education**  
Office of Environmental Health and Safety  
44-36 Vernon Blvd.  
Long Island City, New York 11101

**PREPARED BY:**



104 East 25<sup>th</sup> Street, 10<sup>th</sup> Floor  
New York, New York 10010-2917

Date of Issue: August 28, 2014  
REVISED: October 28, 2014

Cardno ATC Project No. 015.19125.1883

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### Attachments:

- Attachment 1: Institutional and Engineering Controls Certification Form
- Attachment 2: Custodian Monthly or Severe Condition Inspection Forms
- Attachment 3: Biweekly Inspection Logs
- Attachment 4: Semiannual Groundwater Monitoring Reports
- Attachment 5: Photographic Documentation
- Attachment 6: Annual Inspection Forms
- Attachment 7: Training Acknowledgment
- Attachment 8: Documentation of Repairs

**PROJECT DIRECTORY**

<b>CLIENT:</b>	New York City Department of Education Office of Environmental Health and Safety 44-36 Vernon Blvd. Long Island City, New York 11101 (718) 361-3808
<b>PROJECT LOCATION:</b>	Mott Haven Campus - X790 730 Concourse Village West Bronx, New York, 10451 (718) 292-2036
<b>PROJECT TECHNICAL SUPPORT:</b>	New York State Department of Environmental Conservation Division of Environmental Remediation, Region 2 47-40 21st Street Long Island City, New York 11101-5407 (718) 482-4891  New York City School Construction Authority 30-30 Thomson Avenue Long Island City, New York 11101 (718) 472-8000  TRC Engineers, Inc. 1430 Broadway New York, NY 10018 (212) 221-7822  STV Incorporated 225 Park Avenue South New York, NY 10003 (212) 777-4400
<b>DESCRIPTION OF WORK:</b>	Review Site Management Plan, O&M plan and prior reports; review custodian's inspection forms, walk-through visual inspection
<b>ATC REPRESENTATIVES:</b>	Gilbert Gedeon, PE, Division Manager Husam Zeidan, Inspector Nancy Guevara, Inspector Yong Bin Gao, Inspector

**EXECUTIVE SUMMARY**

This Site Management Report (SMR) covers the period from August 1, 2013 to July 31, 2014 for PS 790X located at 730 Concourse Village West, Bronx, NY. This report is being submitted in response to the June 9, 2014 New York State Department of Environmental Conservation (NYSDEC) Reminder Notice included under Attachment 1. This SMR includes information based on the most recent annual site refresher training associated with the operation and maintenance of the sub-slab depressurization system (SSDS), vapor barrier and composite cover system, as well as the annual site inspection conducted on August 1, 2014 pursuant to the NYSDEC-approved Site Management Plan (SMP).

The annual site inspection included an evaluation of engineering controls identified in the SMP which includes the vapor barrier, SSDS, and cover system established at the site. During this inspection, Cardno ATC (ATC) observed that the vibration damping cloth on SSDS fan unit EF-6 was slightly damaged and requires replacement/repair; SSDS fan bearings for SSDS fan units EF-5 and EF-6 were observed to be slightly worn; a minor depression (4' long x 2' wide x 4" deep) on the west side of the artificial turf (artificial turf cover remains intact); minor soil erosion (2" deep) adjacent to the auditorium building; and minor surficial cracking around the manhole (blacktop) on East Access Drive was observed.

The custodian notified DOE DSF and his employer, Temco, to repair these issues. The following repairs were completed by October 21, 2014:

- The worn vibration damping cloth on SSDS fan unit EF-6 was repaired;
- The worn bearings on EF-5 and EF-6 were replaced;
- The soil erosion adjacent to the auditorium building was repaired; and
- The minor depression on the west side of the artificial turf was filled in with gravel.

A work order has been submitted and repairs are underway for the minor surficial cracking around the manhole on East Access Drive. In addition, ATC reviewed the custodial monthly inspection logs, SSDS bi-weekly inspection and groundwater monitoring reports prepared by others.

Based on the visual inspection, the aforementioned issues are minor in nature and do not impact the effectiveness of the Engineering Controls (ECs) and Institutional Controls (ICs). Therefore, ATC concludes that the ECs and ICs have not changed, are effective, protect public health and the environment, and the remedial goals are being met. See Attachment 1 for the Institutional and Engineering Controls Certification Form.

### **1.0 INTRODUCTION**

On behalf of the NYCDOE Office of Environmental Health and Safety (DOE/EHS), ATC is pleased to provide this SMR to NYSDEC for PS 790X located at 730 Concourse Village West in Bronx, NY. The campus opened in September 2010 and is currently attended by approximately 1,400 students.

A one-acre area of the Mott Haven Property was accepted into the Brownfield Cleanup Program (BCP) and underwent remedial action from July 2006 to October 2007. The SMP was generated to ensure operation, maintenance, and effectiveness of the ECs and Environmental Easement (institutional controls). The BCP Area and the remainder of the property are addressed by the SMP.

Due to changes to the Remedial Action Work Plan, a revised SMP was generated on March 27, 2014 which included the following revisions:

1. Section 3.2.5.3 *SSDS System Monitoring Devices and Alarms (BMS)* was modified to include Indoor Air Quality sampling in the event of a substantial or prolonged shutdown of the SSDS;
2. Addition of Figures 3A (Decommissioned Monitoring Well Plan), 27A (Existing Monitoring Well Plan), and 30 & 31 (Cover System under PS 156 and IS 151);
3. Update to Appendix K (Monitoring Well Construction Logs);
4. Addition of Appendices Q (SSDS Start-up Testing Results) and R (SSDS Manufacturer's Product Data, Manuals and Drawings); and
5. Report-wide change of future tense to present/past tense.

This report was completed in accordance with the revised SMP approved by the NYSDEC.

The scope of work for this report included:

1. Review of the school custodian's monthly inspection logs documenting his routine walk-through to identify any observed changes to the ECs and ICs;
2. Roof-mounted SSDS equipment Inspection, Basement Inspection and Exterior Inspection;
3. Review of SMP, Operations and Maintenance Plan (O&M Plan), Groundwater Monitoring Reports and SSDS Biweekly Inspection Logs; and
4. Photographic documentation of observations.

This report was developed to document: (a) the changes to the ECs and ICs if any, and (b) whether the program for maintenance and monitoring is being implemented in accordance with the SMP. Mr. Gilbert Gedeon, P.E., Mr. Husam Zeidan, Ms. Nancy Guevara and Mr. Yong Bin Gao, of ATC, conducted an annual site inspection on August 1, 2014 accompanied by Mr. Robert Rivera Jr., the school's Custodian. Additionally, a follow-up inspection to verify completed repairs was conducted by Ms. Nancy Guevara on October 28, 2014.

## **2.0 ENGINEERING CONTROLS**

According to the SMP prepared by Shaw Environmental Inc. (Shaw), dated November 2008, the Mott Haven Campus (X790) contains ECs that include a Gas Vapor Barrier and a SSDS constructed beneath the school to prevent residual soil vapors from entering the Mott Haven Campus buildings. In addition, a Composite Surface Cover System consisting of asphalt, concrete, pavers and soil cover was constructed to act as a barrier to prevent direct contact with subsurface soils.

### **2.1 Vapor Barrier**

The vapor barrier was installed beneath the school buildings as a precautionary measure to prevent soil vapors from entering the buildings in the future. The vapor barrier is applied underneath the buildings' ground floor slabs.

### **2.2 Sub-Slab Depressurization System**

A sub-slab depressurization system was installed at the school as an added safeguard to prevent soil vapors from entering the school buildings in the future. The primary components of the SSDS are gas permeable aggregate (GPA) and slotted schedule 80 PVC piping located beneath the school, schedule 40 steel riser piping through building chase spaces from the ground floor slab to the roof, and stainless steel ductwork connecting the steel SSDS piping to the roof top fans. The SSDS fans are monitored by the Building Management System (BMS) using differential pressure switches mounted near each SSDS fan.

### **2.3 Composite Cover System**

A composite cover system was installed on the school campus and also below the platform of PS 156 and IS 151 to the north of the property, to prevent school occupants from exposure to the underlying soils. This composite cover system is comprised of school buildings (concrete foundation), asphalt pavement, concrete sidewalks, the concrete cap below the platforms that support PS 156 and IS 151, artificial turf on athletic fields, or two feet of clean fill on all exposed ground surfaces.

## **3.0 INSTITUTIONAL CONTROLS**

The ICs at the Site state that the owner of the Property shall:

- Comply with the Environmental Easement and Declarations of Covenants and Restrictions (DCR) and comply with all elements of the SMP;
- Operate and maintain all ECs as per the SMP;
- Inspect, maintain, and certify the integrity of the cover system consisting of concrete building slabs, asphalt pavement, concrete covered sidewalks, and artificial turf athletic field, or two feet of clean fill on all exposed ground surfaces including landscaped areas in the BCP Area and Non-BCP Area A as required by the SMP;

- Inspect the cover system consisting of a concrete cap on all exposed ground surfaces beneath PS 156 and IS 151 to prevent human exposure to underlying soils remaining under Non-BCP Area B;
- Operate, inspect, maintain, and certify the soil vapor mitigation system consisting of a SSDS and vapor barrier under all building structures (BCP Area and Non-BCP Area A) as required;
- Inspect and certify all ECs at a frequency and in a manner defined in the SMP;
- Perform groundwater monitoring as stated in the SMP;
- Report data and information relevant to Site Management for the Property at the frequency and in a manner defined in the SMP;
- Protect and replace on-site monitoring devices as necessary to ensure the devices function in the manner specified in the SMP;
- Refrain from discontinuing the ECs without an amendment or the extinguishment of the Environmental Easement or DCR and approval by NYSDEC and NYSDOH;
- Prohibit farming and vegetable gardens on the Property;
- Prohibit the use of groundwater underlying the Property unless treatment is used rendering it safe for its intended purpose;
- Prohibit all future activities on the Property that will disturb historic urban fill material (Non-BCP Area A and Non BCP Area B) unless conducted as defined in the soil management provisions of the SMP;
- Use the Property as a school campus provided all long-term ECs and ICs included in the SMP are employed;
- Prohibit the Property from being used for purposes other than a school without an amendment or the extinguishment of the Environmental Easement and DCR approved in writing by the NYSDEC; and
- Agree to submit to NYSDEC a written statement that certifies that: (1) controls employed at the Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow. This annual statement must be certified by an expert that the NYSDEC finds acceptable.

#### **4.0 SITE INSPECTIONS AND SSDS REPAIRS**

##### **4.1 Document Review**

###### **4.1.1 *Review of Custodian's Inspection Logs***

ATC reviewed the Monthly or Severe Condition Inspection Forms with the custodial staff for which they were prepared for the months of August 2013 through July 2014. Custodial staff indicated that the SSDS was operational and the indicator lights on the BMS were functioning properly on the monthly inspection forms. ATC advised the custodial staff to include the individual gauge reading for each fan unit. As part of the annual inspection, ATC provided annual refresher training and advised the custodial staff to continue to conduct the inspection on

a monthly basis and document the observations in a monthly inspection form. The Monthly Inspection Forms are included in Attachment 2.

#### ***4.1.2 Review of Biweekly Inspection Logs***

ATC reviewed the biweekly logs prepared by SCA's representative, TRC Engineers (TRC), from August 7, 2013 to September 4, 2013 (See Attachment 3). Based on this review, ATC noted that all six (6) SSDS fan units were operating at the time of each inspection. ATC also noted that the BMS did not register a change in fan status on the August 7, 2013 inspection as completed by TRC. Consequently, the BMS was repaired and fully commissioned as of the Bi-Weekly Inspection conducted by TRC dated August 22, 2013. As a result, biweekly inspections have been concluded after September 2013.

#### ***4.1.3 Review of Semiannual Groundwater Monitoring Reports***

The Site is currently undergoing a semiannual groundwater monitoring program until the upgradient contamination source is addressed. ATC reviewed the groundwater monitoring reports (Attachment 4) prepared by STV for December 2013 and June 2014 events. The reports were submitted to the NYSDEC by SCA on February 11, 2014 and August 1, 2014.

Summaries of the December 2013 and June 2014 groundwater sampling events are provided below:

##### ***December 2013 Sampling Event***

On December 27, 2013, STV collected ground water samples from the seven (7) existing groundwater monitoring wells. These samples were submitted to York Analytical Laboratories, Inc. of Stratford, Connecticut. No volatile organic compounds (VOC) were detected in two (2) of the three (3) downgradient monitoring wells (MW-5R and MW-11R). Two (2) VOCs were detected in the groundwater samples from MW-3R. The VOCs did not exceed New York State Class GA standards. One (1) VOC, tetrachloroethene (PCE), was detected in upgradient monitoring well MW-24 at a concentration above the groundwater quality standard and is likely related to an upgradient source. No VOCs were detected in the other upgradient monitoring wells (MW-23, MW-25, MW-26R).

The remedial objective for groundwater in the NYSDEC-approved Remedial Action Work Plan (RAWP) is to maintain groundwater quality at the downgradient property line. Detections of VOCs were limited to one of three monitoring wells near the downgradient property line (MW-3R) and the concentrations were below groundwater quality standards. The groundwater monitoring results demonstrated that the remedial objective for groundwater continues to be met per the RAWP.

##### ***June 2014 Sampling Event***

On June 29, 2014 STV collected ground water samples from the seven (7) existing groundwater monitoring wells. These samples were submitted to York Analytical Laboratories, Inc. of Stratford, Connecticut. No VOCs were detected in the downgradient monitoring wells (MW-3R, MR-5R, and MW-11R). One (1) VOC, PCE, was detected in MW-24 at a concentration of 25



µg/L, which is above New York State Class GA standard. One (1) VOC, TCE, was also detected in MW-24 at an estimated concentration of 3.1 µg/L, which is below New York State Class GA standard. Monitoring well MW-24 is located on the upgradient side of the Site and the detections are likely from an upgradient source. No VOCs were detected in the other upgradient monitoring wells (MW-23, MW-25, and MW-26R).

The remedial objective for groundwater in the NYSDEC-approved RAWP is to maintain groundwater quality at the downgradient property line. No VOCs were detected in three monitoring wells near the downgradient property line (MW-3R, MW-5R and MW-11R). The groundwater monitoring results demonstrated that the remedial objective for groundwater continues to be met per the RAWP.

#### **4.2 ATC's Visual Observations**

On August 1, 2014, ATC conducted visual observations and photographic documentation while accompanied by the custodial staff. Site photographs are included Attachment 5 and the Annual Inspection Form is included in Attachment 6. During the inspection, ATC noted the following:

- Vibration damping cloth is slightly worn on SSDS fan unit EF-6;
- The BMS is fully commissioned;
- A spare fan unit labeled EF-7 is available at the school and is located in Room B80;
- Minor depression (4' x 2' x 4") at the east end of the artificial turf by the 40 yard line;
- Slight soil erosion (4.5' x 2' x 2") adjacent to the auditorium building by the 45 yard line; and
- Surficial cracks around the manhole on East Access Drive by the 35 yard line.

Repairs to the minor depression and soil erosion were completed by a representative from Temco on October 20, 2014. Please see site photographs in Attachment 5. A work order has been submitted and repairs are underway for the minor surficial cracking around the manhole on East Access Drive. Please see attached correspondence for the work order in Attachment 8. The custodian was advised to notify ATC once the minor surficial cracking around the manhole has been addressed.

##### **4.2.1 *Roof Vent SSDS Inspection***

1. The SSDS blowers and stacks are located on the top of the roof of Buildings A, B, C, and D as follows:
  - **Buildings A & B** roofs have two fans each: one on the top of the main roof and the other on the top of the mechanical room roof
  - **Buildings C & D** roofs have one fan each: on the top of the mechanical room roof.
2. All SSDS fan units were operational;
3. All fan belts were aligned and in good condition. The custodial staff has been replacing worn belts on an as-needed basis. Preventative maintenance on the fan belts was conducted on April 2014 and May 2014;
4. Vibration damping cloth associated with SSDS fan unit EF-6 was observed to be slightly worn;

5. Vacuum gauges on the SSDS fan units have been installed;
6. Guy wires of all SSDS fan units were observed to be tight and in good condition;
7. Fan mounting and vibration isolators were intact; and
8. SSDS fan bearings for SSDS fan units EF-5 and EF-6 were observed to be slightly worn. Mr. Rivera Jr. advised ATC that new bearings were ordered and were replaced on August 19, 2014 through August 21, 2014. Please see documentation of repairs included in Attachment 8.

#### **4.2.2 Basement Inspection (Cellar)**

ATC inspected the accessible areas of the basement floors. ATC did not observe any visible concrete cracks penetrating into the basement floor during the site inspections. Furthermore, ATC did not observe any floor joints in the basement floor. As such, smoke testing consistent with Section 3.2.2 of the SMP was not conducted. ATC's observation of the basement concrete floors was limited due to architectural finishes such as ceramic floor tiles, vinyl floor tiles, wood flooring and miscellaneous equipment and furniture. ATC also inspected the DOT maintenance corridor and did not observe any visible cracks.

#### **4.2.3 Exterior Inspection**

ATC inspected the composite cover system around the perimeter of the Mott Haven Campus including the paved and unpaved areas. There was no evidence of pavement removal. No structures have been constructed on the unpaved areas. ATC observed slight soil erosion (4.5' x 2' x 4") in the landscaped area adjacent to the auditorium building by the 45 yard line and a minor depression (2' x 1' x 2") in the artificial turf located on the east end at the 40 yard line. ATC also observed minor surficial cracks around the manhole on East Access Drive by the 35 yard line. The soil erosion and minor depression observed were repaired on October 20, 2014 by a representative from Temco. A work order has been submitted and repairs are underway for the minor surficial cracking around the manhole on East Access Drive.

ATC did not observe any other visible cracks in the exterior paved areas or sidewalks during the annual inspection. ATC also inspected the artificial turf and observed no apparent holes, cracks or deterioration. It is concluded that the composite cover system is intact and provides a barrier to direct contact with underlying soils.

### **5.0 CONCLUSIONS AND RECOMMENDATIONS**

Based on visual observations, ATC concludes the following:

1. The SSDS is operational and is being monitored by the BMS;
2. The BMS is functioning properly as of the Bi-Weekly Inspection conducted by TRC dated August 22, 2013;
3. No visible concrete cracks penetrating into the basement floors or walls were observed during the annual inspection; therefore, no smoke testing was performed;
4. The Soil erosion and minor depression observed were repaired on October 20, 2014 by a representative from Temco;
5. Vibration damping cloth associated with SSDS fan unit EF-6 observed to be slightly worn was repaired on October 20, 2014 by the custodial staff;

6. SSDS fan bearings for SSDS fan units EF-5 and EF-6 observed to be slightly worn were replaced on August 19, 2014 through August 21, 2014. Documentation of repairs is included in Attachment 8;
7. A work order has been submitted and repairs are underway for the minor surficial cracking around the manhole on East Access Drive. Documentation of the work order is included in Attachment 8;
8. The ICs and ECs are in place, remain effective and the remedial goals have been met;
9. The O&M Plan is being implemented;
10. No changes have occurred that would reduce the ability of the controls to protect public health and the environment;
11. Access is available to the Site by NYSDEC and NYSDOH to evaluate continued maintenance of such controls; and
12. Site usage is compliant with the environmental easement.

Based on document review and visual observations, ATC recommends the following:

1. Continue documenting all operation and maintenance activities on ECs;
2. Continue to conduct monthly and routine/preventative maintenance inspections and record observations in the Monthly and Routine and Preventative Maintenance logs; and
3. Continue to replace any worn fan belts as needed.

### **6.0 STANDARDS OF CARE**

ATC's work was performed in a professional manner with the best interest of our client in mind. Our objective was to perform our work with care, exercising the customary skills and competence of consulting professionals in the relevant disciplines. The conclusions presented in this report are professional opinions based upon visual observations, site documents review and real-time environmental measurements. The conclusions expressed in this report reflect only the limited inspections of specific locations. The opinions and recommendations presented herein apply to site conditions existing at the time of our observations. ATC cannot act as insurers, and no expressed or implied representation or warrant is included or intended in our report except that our work was performed, within the limits prescribed by our clients, with the customary thoroughness and competence of our profession at the time and place the services were rendered.

It is our pleasure to provide our consultative services to the NYCDOE. If you have any questions about this report, please call (212) 353-8280.

Sincerely,  
**CARDNO ATC**



Gilbert Gedeon, P.E.  
Division Manager

cc: B. Orlan  
Y. Efstathiou  
H. Zeidan

**Attachment 1**  
**Institutional and Engineering Controls Certification Form**

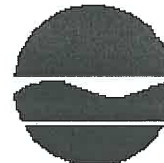
# New York State Department of Environmental Conservation

## Division of Environmental Remediation, 11th Floor

625 Broadway, Albany, New York 12233

Phone: (518) 402-9553 Fax: (518) 402-9577

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



Joe Martens  
Commissioner

6/9/2014

Bernie Orlan  
Director of Environmental Health & Safety  
New York City Dept of Education  
44-36 Vernon Boulevard  
Long Island City, NY 11101

### Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal

Site Name: Former Metro North Property

Site No.: C203030

Site Address: 730 Concourse Village West  
New York, NY 10451

apl

Dear Mr. Orlan:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at <http://www.dec.ny.gov/regulations/67386.html>) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **August 30, 2014**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Professional Engineer (PE). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:  
<http://www.dec.ny.gov/regulations/2586.html>

The signed certification forms should be sent to Sondra Martinkat, Project Manager, at the following address:

New York State Department of Environmental Conservation  
One Hunters Point Plaza  
47-40 21st Street  
Long Island City, NY 11101

Phone number: 718-482-4891. E-mail: [smmartin@gw.dec.state.ny.us](mailto:smmartin@gw.dec.state.ny.us)

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance  
Certification Form Instructions  
Certification Forms

ec: w/ enclosures

Sondra Martinkat, Project Manager  
Jane O'Connell, Hazardous Waste Remediation Engineer, Region 2

## Enclosure 1

### Certification Instructions

#### I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

#### II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

#### III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.
- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.





Enclosure 2  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Site Management Periodic Review Report Notice  
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. C203030

Site Name Former Metro North Property

Site Address: 730 Concourse Village West Zip Code: 10451  
City/Town: New York  
County: Bronx  
Site Acreage: 0.9

Reporting Period: July 31, 2013 to July 31, 2014

*Reporting Period: August 01, 2013 to July 31, 2014*

YES NO

1. Is the information above correct?

☐ YES ☒ NO

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐ YES ☒ NO

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ YES ☒ NO

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ YES ☒ NO

**If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.**

5. Is the site currently undergoing development?

☐ YES ☒ NO

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?  
Restricted-Residential, Commercial, and Industrial

☒ YES ☐ NO

7. Are all ICs/ECs in place and functioning as designed?

☒ YES ☐ NO

**IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

**Box 2A**

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

☐ ☒

**If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.**

9. Are the assumptions in the Qualitative Exposure Assessment still valid?  
(The Qualitative Exposure Assessment must be certified every five years)

☒ ☐

**If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.**

**SITE NO. C203030**

**Box 3**

**Description of Institutional Controls**

Parcel

Owner

Institutional Control

9-2443-78 P/O

New York City Dept. of Education

Ground Water Use Restriction  
Soil Management Plan  
Landuse Restriction  
Building Use Restriction  
Monitoring Plan  
Site Management Plan  
O&M Plan  
IC/EC Plan

ICs:

Compliance with the Environmental Easement and DCR.

All ECs must be operated and maintained as specified in SMP

Cover systems inspection, certification, and maintenance.

Soil Vapor Mitigation system consisting of vapor Barrier and SSDS must be inspected, certified, and maintained as required in SMP. All ECs must be inspected and certified at frequency specified in SMP. Groundwater monitoring must be performed as specified in SMP. Groundwater monitoring wells must be protected and replaced as necessary to ensure compliance with SMP. ECs may not be discontinued or amended without concurrence from NYSDEC and NYSDOH. Vegetable gardens and farming at the property is prohibited. The use of groundwater property is prohibited. All activities disturbing urban fill materials are prohibited. Controlled property can only be used as a school provided long term ICs and ECs are employed as specified in SMP.

**Box 4**

**Description of Engineering Controls**

Parcel

Engineering Control

9-2443-78 P/O

Vapor Mitigation  
Groundwater Containment  
Subsurface Barriers  
Fencing/Access Control

ECs:

Cover Systems

Vapor Barrier

Jet Grout Hydraulic Barrier

Waterloo Hydraulic Barrier

SSDS

**Periodic Review Report (PRR) Certification Statements**

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO



2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO



**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and  
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

**A Corrective Measures Work Plan must be submitted along with this form to address these issues.**

\_\_\_\_\_  
Signature of Owner, Remedial Party or Designated Representative

\_\_\_\_\_  
Date

IC CERTIFICATIONS  
SITE NO. C203030

Box 6

**SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE**

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I BERNARD POXIAN at 44-36 VERNON BLVD LICNY 11101  
print name print business address

am certifying as OWNER (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Bernard Poxian  
Signature of Owner, Remedial Party, or Designated Representative  
Rendering Certification

8/25/14  
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Ceribert Gedeon at 104 E. 95th St NY, NY 10010  
print name print business address

am certifying as a Professional Engineer for the NYC Department of Education  
(Owner or Remedial Party)

[Signature]  
Signature of Professional Engineer, for the Owner or  
Remedial Party, Rendering Certification

[Stamp]  
Stamp  
(Required for PE)

8/27/14  
Date

**Enclosure 3**  
**Periodic Review Report (PRR) General Guidance**

- I. Executive Summary: (1/2-page or less)
  - A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
  - B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
    1. progress made during the reporting period toward meeting the remedial objectives for the site
    2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
  - C. Compliance
    1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
    2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
  - D. Recommendations
    1. recommend whether any changes to the SMP are needed
    2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
    3. recommend whether the requirements for discontinuing site management have been met.
- II. Site Overview (one page or less)
  - A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
  - B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.
- III. Evaluate Remedy Performance, Effectiveness, and Protectiveness

Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations should be presented simply and concisely.
- IV. IC/EC Plan Compliance Report (if applicable)
  - A. IC/EC Requirements and Compliance
    1. Describe each control, its objective, and how performance of the control is evaluated.
    2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
    3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
    4. Conclusions and recommendations for changes.
  - B. IC/EC Certification
    1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).
- V. Monitoring Plan Compliance Report (if applicable)
  - A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
  - B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
  - C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
  - D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
  - E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.
- VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
  - A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
  - B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
  - C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluate the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

- D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.
- E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

#### VII. Overall PRR Conclusions and Recommendations

- A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
  - 1. whether all requirements of each plan were met during the reporting period
  - 2. any requirements not met
  - 3. proposed plans and a schedule for coming into full compliance.
- B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.
- C. Future PRR Submittals
  - 1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
  - 2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

#### VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

## **Attachment 2**

### **Custodian Monthly or Severe Condition Inspection Forms**



<b>Monthly/Severe Condition Inspection Form</b> <b>Mott Haven Campus</b> <b>730 Concourse Village West, Bronx, New York 10451</b>																																					
Inspector's Name: <u>Robert Rivera</u>	Weather Conditions: <u>Clear Skies</u>																																				
Inspection Date: <u>8-20-13</u>	Air Temperature (°F): <u>High 89° Low 72°</u>																																				
Inspection Time: <u>1:00pm</u>																																					
Comments: <u>everything check out</u> <u>OK</u>																																					
<b>A. SSDS SYSTEM INSPECTION</b> <b>1. Walk the entire roof surface of school buildings.</b> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;">*</td><td style="width: 85%;">Inspect fan stack guide wires.</td><td style="width: 10%; text-align: center;">✓</td></tr> <tr><td>*</td><td>Inspect fan mounting and vibration isolators.</td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Inspect condition of fan belt.</td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Inspect alignment of fan belt.</td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Record vacuum gauge reading: <u>-150 mm of water</u></td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Inspect bolts and set screws for tightness and rusty condition.</td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing.</td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Are the indicator lights on the Building Management System functioning properly?</td><td style="text-align: center;">Yes</td></tr> <tr><td>*</td><td>Confirm that spare fan is stored in designated secure location and in working condition.</td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Confirm that the spare fan's bearings are completely filled with grease/lubricant.</td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated.</td><td style="text-align: center;">✓</td></tr> <tr><td>*</td><td>Comments (see or hear anything unusual?):</td><td style="text-align: center;">NO</td></tr> </table>		*	Inspect fan stack guide wires.	✓	*	Inspect fan mounting and vibration isolators.	✓	*	Inspect condition of fan belt.	✓	*	Inspect alignment of fan belt.	✓	*	Record vacuum gauge reading: <u>-150 mm of water</u>	✓	*	Inspect bolts and set screws for tightness and rusty condition.	✓	*	Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing.	✓	*	Are the indicator lights on the Building Management System functioning properly?	Yes	*	Confirm that spare fan is stored in designated secure location and in working condition.	✓	*	Confirm that the spare fan's bearings are completely filled with grease/lubricant.	✓	*	Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated.	✓	*	Comments (see or hear anything unusual?):	NO
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*	Comments (see or hear anything unusual?):	NO																																			
<b>B. COVER SYSTEM - BOTTOM FLOOR INSPECTION</b> <b>1. Walk all of the bottom floors</b> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;">*</td><td style="width: 85%;">Any visible cracks or depressions in the ground floors?</td><td style="width: 10%; text-align: center;">NO</td></tr> <tr><td>*</td><td>Any other visible openings (unintended) in the ground floors?</td><td style="text-align: center;">NO</td></tr> <tr><td>*</td><td>Draw approximate location of floor cracks/openings on site map.</td><td style="text-align: center;">N/A</td></tr> <tr><td>*</td><td>Note the length of the crack/opening.</td><td style="text-align: center;">N/A</td></tr> <tr><td>*</td><td>Note the width of the crack/opening.</td><td style="text-align: center;">N/A</td></tr> <tr><td>*</td><td>Comments:</td><td style="text-align: center;">N/A</td></tr> </table>		*	Any visible cracks or depressions in the ground floors?	NO	*	Any other visible openings (unintended) in the ground floors?	NO	*	Draw approximate location of floor cracks/openings on site map.	N/A	*	Note the length of the crack/opening.	N/A	*	Note the width of the crack/opening.	N/A	*	Comments:	N/A																		
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<b>C. COVER SYSTEM - EXTERIOR INSPECTION</b> <b>1. Walk and inspect the entire perimeter of the Site.</b> <b>2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.</b> <b>3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.</b> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;">*</td><td style="width: 85%;">Are there any signs of significant cracks, settlement, or deterioration of the paved areas?</td><td style="width: 10%; text-align: center;">NO</td></tr> <tr><td>*</td><td>Has any of the pavement material been removed?</td><td style="text-align: center;">NO</td></tr> <tr><td>*</td><td>Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)?</td><td style="text-align: center;">NO</td></tr> <tr><td>*</td><td>Have any structures been constructed on the unpaved areas?</td><td style="text-align: center;">NO</td></tr> <tr><td>*</td><td>Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)?</td><td style="text-align: center;">NO</td></tr> <tr><td>*</td><td>Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)?</td><td style="text-align: center;">NO</td></tr> <tr><td>*</td><td>Comments:</td><td style="text-align: center;">NO</td></tr> </table>		*	Are there any signs of significant cracks, settlement, or deterioration of the paved areas?	NO	*	Has any of the pavement material been removed?	NO	*	Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)?	NO	*	Have any structures been constructed on the unpaved areas?	NO	*	Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)?	NO	*	Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)?	NO	*	Comments:	NO															
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*	Comments:	NO																																			
<b>D. REPAIRS</b> Summarize needed/completed repairs to Engineering Controls: <hr/> <hr/> <hr/> <hr/>																																					
Inspector's Signature: <u>Robert Rivera</u>																																					

**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera SR Weather Conditions: Cloudy Skies / Humid  
 Inspection Date: 9-10-13 Air Temperature (°F): High 88° Low 73°  
 Inspection Time: 11:00 am  
 Comments: everything check out  
OK

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
  - \* Inspect fan mounting and vibration isolators. ✓
  - \* Inspect condition of fan belt. ✓
  - \* Inspect alignment of fan belt. ✓
  - \* Record vacuum gauge reading: -130 mm of water ✓
  - \* Inspect bolts and set screws for tightness and rusty condition. ✓
  - \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
  - \* Are the indicator lights on the Building Management System functioning properly? yes
  - \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
  - \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
  - \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
  - \* Comments (see or hear anything unusual?): ✓
- NU**

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? N/A
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: N/A

**C. COVER SYSTEM - EXTERIOR INSPECTION**

- 1. Walk and inspect the entire perimeter of the Site.**
- 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**
- 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments: NO

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

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Inspector's Signature: Robert Rivera SR

**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera Jr  
 Inspection Date: 10-01-13  
 Inspection Time: 11:30 pm  
 Comments: Everything Check out  
OK

Weather Conditions: Clear skies  
 Air Temperature (°F): High 79° Low 61°  
Comfortable

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -150 mm of water. ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? Yes ✓
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): NO ✓

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: N/A

**C. COVER SYSTEM - EXTERIOR INSPECTION**

**1. Walk and inspect the entire perimeter of the Site.**

**2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**

**3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments:

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

Inspector's Signature: Robert Rivera Jr

**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera JR

Weather Conditions: Cloudy skies

Inspection Date: 11-03-2013

Air Temperature (°F): High 50° Low

Inspection Time: 11:00 am

70°

Comments: Everything check out

OK

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -150 mm of water. ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? Yes ✓
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): NO

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: N/A

**C. COVER SYSTEM - EXTERIOR INSPECTION**

**1. Walk and inspect the entire perimeter of the Site.**

**2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**

**3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments:

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

Inspector's Signature: Robert Rivera JR

**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera Jr Weather Conditions: Partly Cloudy  
 Inspection Date: 12-07-13 Air Temperature (°F): High 41° Low 28°  
 Inspection Time: 11:00 am  
 Comments: Everything check out  
OK

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -150 mm of water. ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? Yes ✓
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): NO

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: N/A

**C. COVER SYSTEM - EXTERIOR INSPECTION**

- 1. Walk and inspect the entire perimeter of the Site.**
- 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**
- 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments:

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

Inspector's Signature: Robert Rivera Jr



**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera Jr  
 Inspection Date: 1-11-14  
 Inspection Time: 10:00 am  
 Comments: Everything check out  
OK

Weather Conditions: Cloudy 59°  
 Air Temperature (°F): High 57° Low 39°

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guy wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -130 mm of water ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Is the Building Management System monitoring SSDS fans and functioning properly? Yes ✓
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): NOV ✓

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: N/A

**C. COVER SYSTEM - EXTERIOR INSPECTION (Including area under platform)**

1. Walk and inspect the entire perimeter of the Site.
2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.
3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments:

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

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Inspector's Signature: Robert Rivera Jr

**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera Jr  
 Inspection Date: 02-07-2014  
 Inspection Time: 10:00 am  
 Comments: SSDS Fans Running

Weather Conditions: Mostly sunny 27°  
 Air Temperature (°F): 27° High 30°  
Low 16°

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -150 mm of water ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? ✓
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): ✓

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: No

**C. COVER SYSTEM - EXTERIOR INSPECTION**

- 1. Walk and inspect the entire perimeter of the Site.**
- 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**
- 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments:

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

Perform monthly P.M.'s Everything  
OK

Inspector's Signature: Robert Rivera Jr

**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera Jr Weather Conditions: Mostly Sunny  
 Inspection Date: 3-15-2014 Air Temperature (°F): 55° High 54°  
 Inspection Time: 9:00 am Low 32°  
 Comments: All 6 SSDS Fans are running OK

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -150 mm of water ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? ✓
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): ✓

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: OK

**C. COVER SYSTEM - EXTERIOR INSPECTION**

- 1. Walk and inspect the entire perimeter of the Site.**
- 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**
- 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments:

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

Perform preventive maintenance on SSDS  
Fans all 6 fans are currently running.

Inspector's Signature: Robert Rivera Jr



**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera Jr

Weather Conditions: Partly Cloudy

Inspection Date: 04-12-2014

Air Temperature (°F): 69° High 68°

Inspection Time: 2:00 pm

L/W SL

Comments: All 6 SSDS Fans  
are running

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -150 mm of water ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? Yes ✓
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): Vibration coming from  
SSDS fan building A & B. Check bearings  
& fan belt. ✓

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: N/A

**C. COVER SYSTEM - EXTERIOR INSPECTION**

- 1. Walk and inspect the entire perimeter of the Site.**
- 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**
- 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments: NO

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

Grease bearings & check fan belt.

Inspector's Signature: Robert Rivera Jr

**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera Weather Conditions: Mostly Sunny  
 Inspection Date: 5-26-14 Air Temperature (°F): 84°  
 Inspection Time: 11:00 am High/Low: 82°/66°  
 Comments: All 6 SSDS Fans are running.

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -150 mm of water ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? ✓
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): Ball pack bearing starting to wear down on SSDS Fan on Roof level of building A.C.B.

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: No cracks or opening in ground Floor. N/A

**C. COVER SYSTEM - EXTERIOR INSPECTION**

- 1. Walk and inspect the entire perimeter of the Site.**
- 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**
- 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments: Everything OK

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

grease ball pack bearings & visually inspected fan belts on all 6 SSDS Fans at 790. All 6 SSDS Fans are running.

Inspector's Signature: Robert Rivera

**Monthly/Severe Condition Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Robert Rivera Jr Weather Conditions: Mostly Sunny  
 Inspection Date: 6-8-14 Air Temperature (°F): 83°  
 Inspection Time: 9:00 am  
 Comments: Fans running inspected SSDS Fans

**A. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guide wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading: -150 mm of water ✓
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? Yes
- \* Confirm that spare fan is stored in designated secure location and in working condition. ✓
- \* Confirm that the spare fan's bearings are completely filled with grease/lubricant. ✓
- \* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. ✓
- \* Comments (see or hear anything unusual?): Bearings are wearing down on SSDS Fan in Building A & B. Hearing & visually seeing vibrations.

**B. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or depressions in the ground floors? NO
- \* Any other visible openings (unintended) in the ground floors? NO
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments: No cracks or openings in ground floor. N/A

**C. COVER SYSTEM - EXTERIOR INSPECTION**

- 1. Walk and inspect the entire perimeter of the Site.**
- 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.**
- 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.**

- \* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? NO
- \* Has any of the pavement material been removed? NO
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? NO
- \* Have any structures been constructed on the unpaved areas? NO
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? NO
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? NO
- \* Comments:

**D. REPAIRS**

Summarize needed/completed repairs to Engineering Controls:

Grease ball pack bearings, check fan belt ensure SSDS Fan were running. Need to replace ball pack bearings on SSDS Fans on building A & B Rooftop.

Inspector's Signature: Robert Rivera Jr

Monthly/Severe Condition Inspection Form	
Mott Haven Campus 730 Concourse Village West, Bronx, New York 10451	
Inspector's Name: <u>Robert Rivera Jr</u>	Weather Conditions: <u>Mostly cloudy 72°</u>
Inspection Date: <u>7/23/14</u>	Air Temperature (°F): <u>72°</u>
Inspection Time: <u>10:00 am</u>	High <u>82°</u> Low <u>63°</u>
Comments: <u>Inspected SSDS Fans are running.</u>	
<p><b>A. SSDS SYSTEM INSPECTION</b></p> <p>1. Walk the entire roof surface of school buildings.</p> <ul style="list-style-type: none"> <li>* Inspect fan stack guide wires. <span style="float: right;">✓</span></li> <li>* Inspect fan mounting and vibration isolators. <span style="float: right;">✓</span></li> <li>* Inspect condition of fan belt. <span style="float: right;">✓</span></li> <li>* Inspect alignment of fan belt. <span style="float: right;">✓</span></li> <li>* Record vacuum gauge reading: <u>-150mm of water</u> <span style="float: right;">✓</span></li> <li>* Inspect bolts and set screws for tightness and rusty condition. <span style="float: right;">✓</span></li> <li>* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <span style="float: right;">✓</span></li> <li>* Are the indicator lights on the Building Management System functioning properly? <span style="float: right;">Yes</span></li> <li>* Confirm that spare fan is stored in designated secure location and in working condition. <span style="float: right;">✓</span></li> <li>* Confirm that the spare fan's bearings are completely filled with grease/lubricant. <span style="float: right;">✓</span></li> <li>* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <span style="float: right;">✓</span></li> <li>* Comments (see or hear anything unusual?): <u>Need to replace ball pack on SSDS fan on building A &amp; B. I hear loud vibration &amp; visually inspected both units</u></li> </ul>	
<p><b>B. COVER SYSTEM - BOTTOM FLOOR INSPECTION</b></p> <p>1. Walk all of the bottom floors</p> <ul style="list-style-type: none"> <li>* Any visible cracks or depressions in the ground floors? <span style="float: right;">NO</span></li> <li>* Any other visible openings (unintended) in the ground floors? <span style="float: right;">NO</span></li> <li>* Draw approximate location of floor cracks/openings on site map. <span style="float: right;">N/A</span></li> <li>* Note the length of the crack/opening. <span style="float: right;">N/A</span></li> <li>* Note the width of the crack/opening. <span style="float: right;">N/A</span></li> <li>* Comments: <u>No crack visible or opening.</u> <span style="float: right;">N/A</span></li> </ul>	
<p><b>C. COVER SYSTEM - EXTERIOR INSPECTION</b></p> <p>1. Walk and inspect the entire perimeter of the Site.</p> <p>2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.</p> <p>3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.</p> <ul style="list-style-type: none"> <li>* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? <span style="float: right;">NO</span></li> <li>* Has any of the pavement material been removed? <span style="float: right;">NO</span></li> <li>* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <span style="float: right;">NO</span></li> <li>* Have any structures been constructed on the unpaved areas? <span style="float: right;">NO</span></li> <li>* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <span style="float: right;">NO</span></li> <li>* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <span style="float: right;">NO</span></li> <li>* Comments:</li> </ul>	
<p><b>D. REPAIRS</b></p> <p>Summarize needed/completed repairs to Engineering Controls:</p> <p><u>Need to replace ball pack bearings on SSDS fans on building A &amp; B. I hear loud vibration coming from both units. Tanco Mechanics HVAC order - new ball pack bearings for both Fans</u></p>	
Inspector's Signature: <u>Robert Rivera Jr</u>	

**Attachment 3**  
**Biweekly Inspection Logs**





1430 Broadway  
10th Floor  
New York, NY 10018

212.221.7822 PHONE  
212.221.7840 FAX

www.TRCSolutions.com

August 11, 2014

Ms. Lee Guterman, Deputy Director  
Industrial & Environmental Hygiene Division  
New York City School Construction Authority  
30-30 Thomson Avenue  
Long Island City, New York 11101

**Re: SSDS Certification  
Mott Haven Campus – X790  
730 Concourse Village West  
Bronx, New York  
SCA LLW# 033485, Job# 34857  
NYSDEC BCP No. C203030**

Dear Ms. Guterman:

In connection with the Mott Haven Campus located at 730 Concourse Village West, Bronx, New York, please accept this letter as certification that TRC Engineers, Inc. (TRC) performed inspections of the sub-slab depressurization system (SSDS) on August 7, 2013, August 22, 2013 and September 4, 2013 on behalf of the New York City School Construction Authority, in accordance with the New York State Department of Environmental Conservation-approved November 2008 Site Management Plan. The SSDS fans were operating normally during each TRC inspection completed on these dates.

Sincerely,  
TRC Engineers, Inc.



Jennifer DiFilato, P.E.  
NYS Professional Engineer License No. 085404

Under New York State Education Law Article 145 (Engineering), Section 7209 (2), it is a violation of this law for any person, unless acting under the direction of a Licensed Professional Engineer, to alter this document.

Attachment A – TRC SSDS Inspection Reports (8/7/13, 8/22/13 and 9/4/13)

ATTACHMENT A  
TRC SSDS INSPECTION REPORTS  
(8/7/13, 8/23/13 and 9/4/13)



1430 Broadway  
10th Floor  
New York, NY 10018

212.221.7822 PHONE  
212.221.7840 FAX

[www.TRCSolutions.com](http://www.TRCSolutions.com)

## FIELD ACTIVITY DAILY LOG

**Date:** 08/7/13

**Author:** Kevin Boger

**Attendees:** None

**Project Name:** NYCSCA Mott Haven  
LLW No.: 033485  
IEH No.: 41747  
TRC Project No.: 192455

**Field Activity Subject:** Sub-Slab Depressurization System (SSDS) Bi-Weekly Inspection

### Description of Daily Activities and Events:

- TRC on-site.
- Checked in with front desk and custodian's office to sign in.
- All six SSDS suction fans were operating.
- TRC tested the connection of each pressure switch (installed near the inlet of each suction fan) to the Building Management System. Please see below for results of the BMS test and vacuum readings at each suction fan.

#### **Building "D":**

- EF-4: 4.50 inches of water vacuum
- Status of pressure switch registers on BMS

#### **Building "C":**

- EF-3: 4.50 inches of water vacuum
- Status of pressure switch registers on BMS

#### **Building "B":**

- EF-2: 4.50 inches of water vacuum
- Status of pressure switch registers on BMS
- EF-6: 5.25 inches of water vacuum
- Status of pressure switch registers on BMS



**Building "A":**

- EF-1: 4.50 inches of water vacuum
- Status of pressure switch **does not** register on BMS
  
- EF-5: 4.75 inches of water vacuum
- Status of pressure switch **does not** register on BMS

When performing this BMS test every fan was shut down and then the fan status messages were noted at the BMS. Additionally when all SSDS fans were turned on the status of the fans in alarm (EF-2, EF-3, EF-4, and EF-6) did not reset back to normal status and remained in alarm.



1430 Broadway  
10th Floor  
New York, NY 10018

212.221.7822 PHONE  
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## FIELD ACTIVITY DAILY LOG

**Date:** 08/22/13

**Author:** Phillip Castellano

**Attendees:** None

**Project Name:** NYCSCA Mott Haven  
LLW No.: 033485  
IEH No.: 41747  
TRC Project No.: 192455

**Field Activity Subject:** Sub-Slab Depressurization System (SSDS) Bi-Weekly Inspection

### Description of Daily Activities and Events:

- TRC on-site.
- Checked in with front desk and custodian's office to sign in.
- All six SSDS suction fans were operating.
- See below for pressure gauge readings from for each suction fan installation.
  - **Building "D":**
    - EF-4: 5.00 inches of water vacuum
  - **Building "C":**
    - EF-3: 4.50 inches of water vacuum
  - **Building "B":**
    - EF-2: 4.50 inches of water vacuum
    - EF-6: 5.50 inches of water vacuum
  - **Building "A":**
    - EF-1: 4.50 inches of water vacuum
    - EF-5: 5.00 inches of water vacuum
- The Building Management System (BMS) is up and running.



1430 Broadway  
10th Floor  
New York, NY 10018

212.221.7822 PHONE  
212.221.7840 FAX

www.TRCSolutions.com

## FIELD ACTIVITY DAILY LOG

**Date:** 09/04/13

**Author:** Sanjay Sharma

**Attendees:** None

**Project Name:** NYCSCA Mott Haven  
LLW No.: 033485  
IEH No.: 41747  
TRC Project No.: 192455

**Field Activity Subject:** Sub-Slab Depressurization System (SSDS) Bi-Weekly Inspection

### Description of Daily Activities and Events:

- TRC on-site.
- Checked in with front desk and custodian's office to sign in.
- All six SSDS suction fans were operating.
- See below for pressure gauge readings from for each suction fan installation.
  - **Building "D":**
  - EF-4: 5.00 inches of water vacuum
  - **Building "C":**
  - EF-3: 4.50 inches of water vacuum
  - **Building "B":**
  - EF-2: 4.50 inches of water vacuum
  - EF-6: 5.75 inches of water vacuum
  - **Building "A":**
  - EF-1: 4.50 inches of water vacuum
  - EF-5: 4.75 inches of water vacuum
- The Building Management System (BMS) is functional at this school. However, the Custodian could not log into the system because of ongoing electrical work so the status of the BMS could not be checked with respect to each individual fan during this site inspection. Please refer to TRC's latest inspection report for the BMS at this school, dated 8/7/13, for a list of outstanding issues.

**Attachment 4**  
**Semiannual Groundwater Monitoring Reports**

August 7, 2014

Ms. Lee Guterman  
Deputy Director  
Industrial & Environmental Hygiene Division  
New York City School Construction Authority  
30-30 Thomson Avenue  
Long Island City, New York 11101

Re: Certification of Groundwater Monitoring  
Mott Haven Campus  
730 Concourse Village West  
Bronx, New York 10451  
SCA LLW# 033485 / SCA Job# 41747  
BCP No. C203030

Dear Ms. Guterman:

Pursuant to the New York State Department of Environmental Conservation (NYSDEC)-approved November 2008 Site Management Plan, this letter certifies that on December 27, 2013, STV conducted semi-annual groundwater monitoring (14<sup>th</sup> event, 10<sup>th</sup> semi-annual event). The Semi-Annual Groundwater Monitoring report was submitted to NYSDEC on February 11, 2014, under separate cover.

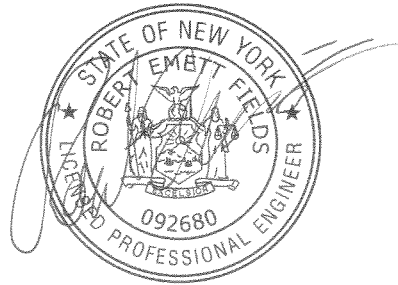
If you have any questions, please contact me at 212-614-3450.

Sincerely,

**STV INCORPORATED**

A handwritten signature in black ink, appearing to read "Robert E. Fields".

Robert E. Fields, P.E.  
NYS Professional Engineer #092680





February 4, 2014

Ms. Sondra Martinkat  
Environmental Engineer 2  
New York State Department of Environmental Conservation (NYSDEC)  
Division of Environmental Remediation, Region 2 Office  
47-40 21<sup>st</sup> Street  
Long Island City, New York 11101

**Re: Semi-Annual Groundwater Monitoring  
December 2013 (14<sup>th</sup> Event, 10<sup>th</sup> Semi-Annual Event)  
Mott Haven Campus  
730 Concourse Village West  
Bronx, New York 11375  
SCA LLW# 033485/SCA Job #41747  
BCP No. C203030**

Dear Ms. Martinkat:

On behalf of the New York City School Construction Authority (NYCSCA), STV Incorporated (STV) has prepared this semi-annual report regarding the post-remediation groundwater sampling at the Mott Haven Campus (i.e., the "Site"). Groundwater monitoring results are being reported in accordance with the November 2008 Mott Haven Site Management Plan (SMP), approved by the New York State Department of Environmental Conservation (NYSDEC, the Department) on November 25, 2008. The groundwater monitoring data will be submitted via email to the NYSDEC in Electronic Data Deliverable (EDD) format for input into the Department's database.

On December 27, 2013, water levels were measured in the seven existing on-site monitoring wells and four upgradient and off-site monitoring wells on Concourse Village West. The depth to water measurements and corresponding groundwater elevations are summarized in Table 1. Groundwater contours based on measured groundwater elevation data on the Site are shown in Figure 2. The contours depicted on Figure 2 indicate that the direction of horizontal groundwater flow is generally toward the southeast, consistent with data obtained during the remedial investigation and previous groundwater monitoring events.

On December 27, 2013, groundwater samples were collected from the seven existing on-site monitoring wells MW-3R, MW-5R, MW-11R, MW-23, MW-24, MW-25, and MW-26R as shown on Figure 1. Sampling was performed in accordance with the Sampling Event Protocol presented in Section 3.3.4 of the SMP. Field sampling logs for the groundwater sampling are presented in *Appendix A*.

Groundwater samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, Connecticut, a New York State Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis for Target Compound List (TCL) volatile organic compounds (VOCs) plus methyl tert-butyl ether (MTBE) per the United States Environmental Protection Agency (USEPA) Method 8260. Table 2 summarizes the groundwater analytical data. The laboratory report for the groundwater sample analysis is provided in *Appendix B*, and *Appendix C* contains York's ELAP certification forms.

No VOCs were detected in the trip blank sample, indicating that the samples were not exposed to any environment that might impact the sample integrity. The field duplicate sample was collected from MW-

25. No VOCs were detected above the laboratory method detection limit in the primary sample or the duplicate sample. All other laboratory QC criteria (i.e., surrogate recoveries) were acceptable, with the exception of the surrogate, "Toluene-d8" which was recovered above acceptable limits in all of the samples analyzed. These surrogate recovery results are not anticipated to affect the usability of the data.

The laboratory analytical results reported only one VOC detected in one groundwater sample at a concentration greater than the NYSDEC Class GA Values. Tetrachloroethene (PCE) was detected in monitoring well MW-24 at a concentration of 15 µg/L, which exceeded the NYSDEC Class GA groundwater standard (principal organic contaminant standard) of 5.0 µg/L. In previous sampling events, PCE concentrations in groundwater samples collected from MW-24 have ranged between non-detect and 51 µg/L. No other VOCs were detected in MW-24 during this sampling event. Monitoring well MW-24 is located on the upgradient side of the Site, and the VOC detected in the groundwater sample collected from MW-24 is likely from an upgradient source. No VOCs were detected in the groundwater sample collected from the other upgradient monitoring wells MW-23, MW-25, and MW-26R.

Samples analyzed from the three downgradient monitoring wells, MW-3R, MW-5R, and MW-11R, did not detect any VOCs above the Class GA Values. Cis-1,2-dichloroethene and vinyl chloride were detected at estimated concentrations of 0.82 µg/L and 1.0 µg/L in MW-3R, respectively. These concentrations are below the Class GA Values of 5.0 µg/L for cis-1,2-dichloroethene and 2.0 µg/L for vinyl chloride.

No other VOCs were detected in groundwater at concentrations exceeding the laboratory method detection limits or the reporting limits.

The remedial objective for groundwater in the NYSDEC approved Remedial Action Work Plan (RAWP) is to maintain existing groundwater quality at the downgradient property line. VOCs in downgradient monitoring wells MW-3R, MW-5R and MW-11R were non-detect or below Class GA groundwater quality standards. Accordingly, the remedial objectives for groundwater continue to be met per the RAWP.

Please do not hesitate to contact me at (914) 400-5205 if you have any questions or require additional information regarding this project.

Sincerely,

**STV Incorporated**



Michael R. Sherwood, CPG  
Senior Consultant

cc: D. Hettrick, P.E., New York State Department of Health (NYSDOH)  
L. Guterman, NYCSCA

August 7, 2014

Ms. Lee Guterman  
Deputy Director  
Industrial & Environmental Hygiene Division  
New York City School Construction Authority  
30-30 Thomson Avenue  
Long Island City, New York 11101

Re: Certification of Groundwater Monitoring  
Mott Haven Campus  
730 Concourse Village West  
Bronx, New York 10451  
SCA LLW# 033485 / SCA Job# 41747  
BCP No. C203030

Dear Ms. Guterman:

Pursuant to the New York State Department of Environmental Conservation (NYSDEC)-approved November 2008 Site Management Plan, this letter certifies that on June 29, 2014, STV conducted semi-annual groundwater monitoring (15<sup>th</sup> event, 11<sup>th</sup> semi-annual event). The Semi-Annual Groundwater Monitoring report was submitted to NYSDEC on August 1, 2014, under separate cover.

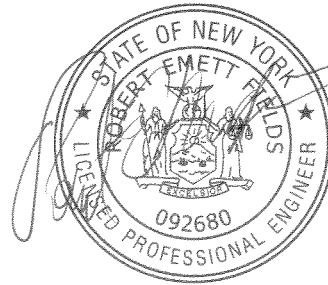
If you have any questions, please contact me at 212-614-3450.

Sincerely,

**STV INCORPORATED**

A handwritten signature in black ink, appearing to read "Robert E. Fields".

Robert E. Fields, P.E.  
NYS Professional Engineer #092680







August 1, 2014

Ms. Sondra Martinkat  
Environmental Engineer 2  
New York State Department of Environmental Conservation (NYSDEC)  
Division of Environmental Remediation, Region 2 Office  
47-40 21<sup>st</sup> Street  
Long Island City, New York 11101

**Re: Semi-Annual Groundwater Monitoring  
June 2014 (15th Event, 11<sup>th</sup> Semi-Annual Event)  
Mott Haven Campus  
730 Concourse Village West  
Bronx, New York 11375  
SCA LLW# 033485/SCA Job #41747  
BCP No. C203030**

Dear Ms. Martinkat:

On behalf of the New York City School Construction Authority (NYCSCA), STV Incorporated (STV) has prepared this semi-annual report regarding the post-remediation groundwater sampling at the Mott Haven Campus (i.e., the "Site"). Groundwater monitoring results are being reported in accordance with the November 2008 Mott Haven Site Management Plan (SMP), approved by the New York State Department of Environmental Conservation (NYSDEC, the Department) on November 25, 2008. The groundwater monitoring data will be submitted via email to the NYSDEC in Electronic Data Deliverable (EDD) format for input into the Department's database.

On June 29, 2014, water levels were measured in the seven existing on-site monitoring wells and five upgradient and off-site monitoring wells on Concourse Village West. The depth to water measurements and corresponding groundwater elevations are summarized in Table 1. Groundwater contours based on measured groundwater elevation data on the Site are shown in Figure 2. The contours depicted on Figure 2 indicate that the direction of horizontal groundwater flow is generally toward the southeast, consistent with data obtained during the remedial investigation and previous groundwater monitoring events.

On June 29, 2014, groundwater samples were collected from the seven existing on-site monitoring wells MW-3R, MW-5R, MW-11R, MW-23, MW-24, MW-25, and MW-26R as shown on Figure 1. Sampling was performed in accordance with the Sampling Event Protocol presented in Section 3.3.4 of the SMP. Field sampling logs for the groundwater sampling are presented in *Appendix A*.

Groundwater samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, Connecticut, a New York State Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis for Target Compound List (TCL) volatile organic compounds (VOCs) plus methyl tert-butyl ether (MTBE) per the United States Environmental Protection Agency (USEPA) Method 8260. Table 2 summarizes the groundwater analytical data. The laboratory report for the groundwater sample analysis is provided in *Appendix B*, and *Appendix C* contains York's ELAP certification forms.

Acetone was detected in samples collected from MW-11R, MW-23, MW-24, MW-25, MW-26R, the field duplicate collected from MW-3R, and the trip blank. The laboratory report flagged each detection of acetone with a "B" qualifier, which indicates that the analyte was found in the associated analysis batch

blank and should be considered a laboratory artifact. The detection of acetone is not associated with groundwater contamination at the site, and will not be considered further.

The field duplicate sample was collected from MW-3R. No VOCs were detected above the laboratory method detection limit in the primary sample or the duplicate sample. As indicated in Appendix B, there were several constituents noted as being high bias or low bias in the laboratory control sample (LCS). However, this does not impact the usability of the data or the conclusions in this report.

The laboratory analytical results reported only one VOC detected in one groundwater sample at a concentration greater than the NYSDEC Class GA Values. Tetrachloroethene (PCE) was detected in monitoring well MW-24 at a concentration of 25 µg/L, which exceeded the NYSDEC Class GA groundwater standard of 5.0 µg/L. In previous sampling events, PCE concentrations in groundwater samples collected from MW-24 have ranged between non-detect and 51 µg/L. TCE was the only other VOC detected in MW-24 at an estimated concentration of 3.1 µg/L, which is less than the NYSDEC Class GA groundwater standard of 5.0 µg/L. Monitoring well MW-24 is located on the upgradient side of the Site and the detections are likely from an upgradient source. No VOCs were detected in the other upgradient monitoring wells (MW-23, MW-25, and MW-26R).

No VOCs were detected in the three downgradient monitoring wells, MW-3R, MW-5R, and MW-11R.

The remedial objective for groundwater in the NYSDEC approved Remedial Action Work Plan (RAWP) is to maintain existing groundwater quality at the downgradient property line. No VOCs were detected in downgradient monitoring wells MW-3R, MW-5R and MW-11R during this sampling event. Accordingly, the remedial objectives for groundwater continue to be met per the RAWP.

Please do not hesitate to contact me at (914) 400-5205 if you have any questions or require additional information regarding this project.

Sincerely,

**STV Incorporated**



Michael R. Sherwood, CPG  
Senior Consultant

cc: C. Bethoney, New York State Department of Health (NYSDOH)  
L. Guterman, NYCSCA

**Attachment 5**  
**Photographic Documentation**



Photo 1: View of BMS on typical SSDS fan unit (EF-1).



Photo 2: View of spare SSDS fan unit (EF-7) in Room B80.



Photo 3: View of typical SSDS roof fan unit (EF-2).



Photo 4: View of typical vacuum gauge associated with SSDS fan units (EF-2).

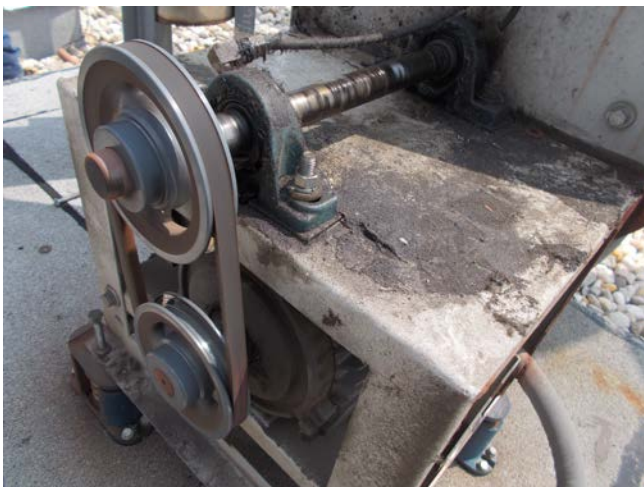


Photo 5: View of typical SSDS fan belt and assembly (EF-4).

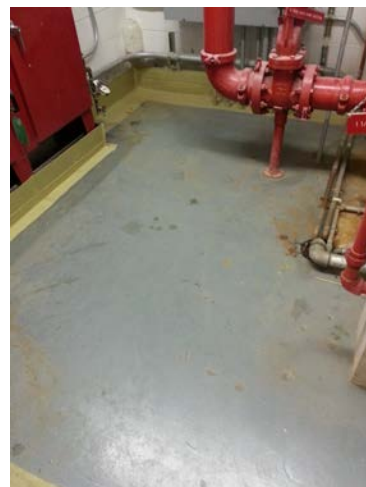


Photo 6: View of typical bare floor in the Fire Pump Room (Room C20D).





Photo 7: View of typical bare concrete floor in Stairwell G.



Photo 8: View of typical sidewalk pavers.



Photo 9: View of artificial turf on football field.



Photo 10: View of various site covers.

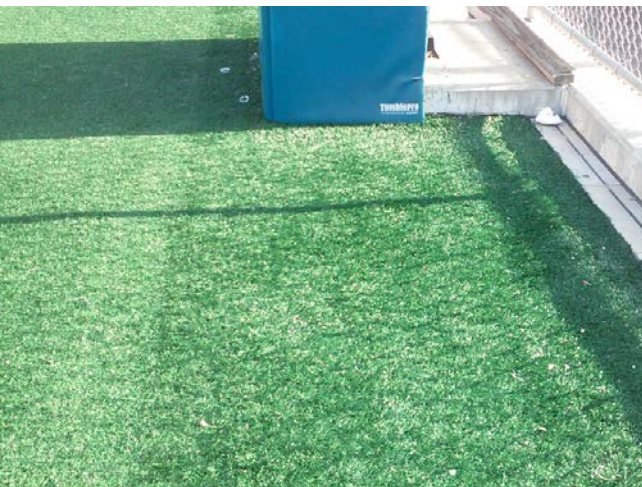


Photo 11: View of repairs made to the minor depression (4'x 2'x 4'') at the east end of the artificial turf.



Photo 12: View repairs made to the soil erosion (4.5' x 2' x 2'') adjacent to the auditorium building.

**Attachment 6**  
**Annual Inspection Forms**



**Annual Inspection Form**

**Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451**

Inspector's Name: Gilbert Gedeon

Weather Conditions: Sunny

Inspection Date: 8/1/14

Air Temperature (°F): 80°F

Inspection Time: 10 AM

Comments:

**A. PRE INSPECTION CHECKLIST**

- \* Schedule Annual Inspection when school is not occupied by students. ✓
- \* Review 12 Previous Monthly Inspection Checklists. ✓
- \* Meet with Custodian and Principal to solicit comments/concerns regarding the operation of the Engineering Controls over the last 12 months. ✓
- \* Conduct Annual Refresher SMP Training with DOE, DSF. ✓
- \* Comments:

**B. SSDS SYSTEM INSPECTION**

**1. Walk the entire roof surface of school buildings.**

- \* Inspect fan stack guy wires. ✓
- \* Inspect fan mounting and vibration isolators. ✓
- \* Inspect condition of fan belt. ✓
- \* Inspect alignment of fan belt. ✓
- \* Record vacuum gauge reading. ≈ -4.5" - 6" H<sub>2</sub>O
- \* Inspect bolts and set screws for tightness and rusty condition. ✓
- \* Verify spare fan is available, properly lubricated, and properly stored. Yes Room B80
- \* Verify spare fan parts (i.e. drive belts) are available and in good condition. ✓
- \* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. ✓
- \* Are the indicator lights on the Building Management System functioning properly? Yes
- \* Comments (see or hear anything unusual?):

Vibration damping cloth of BR6 requires repair.

**C. COVER SYSTEM - BOTTOM FLOOR INSPECTION**

**1. Walk all of the bottom floors**

- \* Any visible cracks or settlement in the ground floors? No
- \* Any other visible openings (unintended) in the ground floors? No
- \* Any other visible cracks in elevator pit or other accessible pits? Inaccessible
- \* Draw approximate location of floor cracks/openings on site map. N/A
- \* Note the length of the crack/opening. N/A
- \* Note the width of the crack/opening. N/A
- \* Comments:

Annual Inspection Form

Mott Haven Campus  
730 Concourse Village West, Bronx, New York 10451

D. COVER SYSTEM - EXTERIOR INSPECTION (Including area under platform)

1. Walk and inspect the entire perimeter of the Site and the concrete cap under platform.
2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site, including areas under PS 156 and IS 151.
3. Walk and inspect all of the unpaved areas of the Site including artificial turf field

- \* Are there any signs of significant cracks, settlement or deterioration of the paved areas? *NO*
- \* Has any of the pavement material been removed? *NO*
- \* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? *NO*
- \* Have any structures been constructed on the unpaved areas? *NO*
- \* Inspect synthetic turf. Any problems identified? *Minor Depression (2' x 1' x 2")*
- \* Are the flush-mounted caps/protective casings for the 7 monitoring wells secured? *Yes*
- \* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? *slightly (2' x 1' x 2")*
- \* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? *NO*
- \* Comments:

E. VAPOR BARRIER INSPECTION

1. Walk all of the bottom floors

- \* Review all cracks or other openings identified in ground floors during previous inspections. *✓*
- \* Conduct smoke test at each identified crack/opening/depression using environmentally safe smoke. *N/A*
- \* Draw approximate location of floor cracks/openings that appear to have potential leak through vapor barrier. *N/A*
- \* Identify sources of potential impact to smoke test (i.e., HVAC vent nearby). *N/A*
- \* Redo smoke test at location of potential vapor barrier leak after sealing off sources of potential impact. *N/A*

Comments:

F. Repair

Summarize needed/completed repairs to Engineering Controls:

*Repair minor depressions and cracks under section D.*  
*Repair vibration damping cloth for SSOS EF-6*  
*DOE DSF notified*

Inspector's Signature: *[Signature]*

## **Attachment 7**

### **Training Acknowledgement**



**Cardno<sup>®</sup>**  
**ATC**

**Shaping the Future**

104 East 25<sup>th</sup> St, 10<sup>th</sup> Floor  
New York, NY 10010-2917  
www.cardnoatc.com  
212-353-8280  
Fax 212-353-8306

**Annual Training Acknowledgement**  
**Engineering Controls Operation and Maintenance**

Location: X 790

Custodian/Fireman: Robert Rivera Jr

I, Robert Rivera Jr, received annual refresher training on Engineering Controls Operation and Maintenance by Cardno ATC on 08/01/14. As part of the annual refresher training I conducted a walkthrough with Cardno ATC during which all elements covered by the Operation and Maintenance Plan were explained to me including the completion of the daily logs and monthly inspection form.

Robert Rivera Jr  
Signed by: Robert Rivera Jr  
Custodian/Fireman

Date: 8/01/14

**Recommendations:**

- Parts received and fans repaired as
- Replace SSDS damp cloth on SSDS fan unit EF-6
  - ~~Observed worn bearings on SSDS fan units EF 5 + EF 6, evaluation advised that bearings are on order.~~
  - Repair artificial football field cover by the east end of the 40' yard line, depression (2'x1') observed.
  - observed soil erosion adjacent to the auditorium building by the 45' yard line ~ approx 3ft<sup>3</sup> of soil required.
  - Repair cracks around manhole on East Access drive by the 35' yard line.

**Attachment 8**  
**Documentation of Repairs**

# Mechanics Work Order

## WORK ORDER

SITE BU # 3264

SCHOOL: X790

Work Requested By: Anthony/John/Robert

Assigned to: Mike 37

Date: 8/20/14  
8/21/14

Priority: One

Employee Name	Arrival Time	Departure Time	Total Hours	Date
Mike Callejo	7:00Am	3:00Pm	8	8/20/14
Mike Callejo	7:00Am	11:00Am	4	8/21/14
Mike Callejo	12:00Pm	2:00Pm	2	8/21/14

Description of work Needed: Continue Repairs to Exhaust Fans.

**Work Completed:** Disassembled and removed existing bearings for load shaft on EF-1. Installed new pillow block bearings in same. Checked fan for proper operation. Realigned pulley for EF-5 and tightened belt on same. Disassembled old shaft and removed existing pulley from broken shaft on kitchen exhaust fan. started assembly of pillow block bearings + drive pulley on same. Took BM to Home depot to pickup 6 cans of hornet spray.

Parts: 2 pillow block bearings | 6 cans hornet spray  
Cost: \$48.20 | \$28.02

Mechanic must sign Building Managers Log Book

Return Visit Required: Yes ☒ No ☐

BM, FM or HM Notes:

Additional Observation: Yes ☐ No ☒

Need Contractor: Yes ☐ No ☒

Mechanics Notes: Will return to complete repairs to exhaust fans

Mike Callejo  
Signature

8/21/14  
8/20/14  
Date

I certify, to the best of my knowledge that this timesheet is accurate and the above named Mechanic(s) were present at the time of repair.

Robert Rivera Jr

Robert Rivera Jr  
Signature

8/20/14  
Date

(BM, FM, HM or CL)

Robert Rivera Jr

Robert Rivera Jr

Date

8/21/14



# Mechanics Work Order

## WORK ORDER

SITE BU # 3264

SCHOOL: 8790

Work Requested By: Anthony / John / Robert

Assigned to: Mike 37

Date: 8/18/14

Priority: One

Employee Name	Arrival Time	Departure Time	Total Hours	Date
Mike Callejo	8:00Am	2:00Pm	6	8/18/14
Mike Callejo	8:00Am	2:00Pm	6	8/19/14

Description of work Needed: Continue Repairs to exhaust fans.

<b>Work Completed:</b> Started removing old shaft from kitchen exhaust fan. Discovered that set screws that fasten blower hub onto shaft were badly rotted. Through patience and determination I was able to salvage the set screws, the original key & the blower's aluminum hub. Set new shaft into place and locked set screws. Used never seize on everything so that future repairs would be much faster & easier. Placed exhaust fan back on curb and fastened it back down to curb. <u>8/19/14 Replaced pillow block bearings on EF-6.</u> After reassembly of all parts I discovered that the original reason why the original bearing wore out too fast is because the load shaft is either not balanced properly, or the load shaft is bent or the blower wheel is bent.				
<b>Parts:</b> <u>3/4" shaft</u>	<u>2 pillow block bearings</u>			
<b>Cost:</b> <u>\$48.00</u>	<u>\$48.20</u>			

Mechanic must sign Building Managers Log Book

Return Visit Required: Yes ☒ No ☐

BM, FM or HM Notes:

Additional Observation: Yes ☐ No ☒

Need Contractor: Yes ☐ No ☒

Mechanics Notes: Will return 8/19/14 to continue repairs of exhaust fans.  
8/19/14 The only way to repair EF-6 permanently is to replace the entire exhaust fan.  
Will get quote from Halsey.  
Signature 8/18/14  
Signature Date

I certify, to the best of my knowledge that this timesheet is accurate and the above named Mechanic(s) were present at the time of repair.

Robert Rivera Jr Signature 8/18/14  
Signature Date

Signature 8/19/14

**From:** [X790 Custodian](#)  
**To:** [Nancy Guevara](#)  
**Subject:** FW: x790 black top proposal  
**Date:** Tuesday, October 28, 2014 9:15:42 AM

---

**Robert Rivera JR**  
Building Manager/ Fireperson  
Temco Services  
(718) 292-2036  
[CX790@schools.nyc.gov](mailto:CX790@schools.nyc.gov)

---

**From:** Nolan, John [<mailto:jnolan@TemcoServices.com>]  
**Sent:** Tuesday, October 28, 2014 9:04 AM  
**To:** X790 Custodian  
**Subject:** FW: x790 black top proposal

**From:** [rterzulli@aol.com](mailto:rterzulli@aol.com) [<mailto:rterzulli@aol.com>]  
**Sent:** Wednesday, October 15, 2014 7:35 PM  
**To:** Konkowski, Anthony; Nolan, John; [vtv99@aol.com](mailto:vtv99@aol.com)  
**Subject:** x790 soil

## UNIQUE CONSTRUCTION INC

Date: 8/28/14 License #17896

---

UNIQUE CONSTRUCTION INC 140 GREELEY AVENUE STATEN ISLAND, NY 10306	6792
X790/temco 730 CONCOURSE VILLAGE WEST BRONX NY	TEL 347 466 8135 FAX 718 232 1104 <a href="mailto:RTERZULLI@AOL.COM">RTERZULLI@AOL.COM</a>

### PROPOSAL

SCOPE OF WORK/BLACK TOP  
REMOVE BROKEN BLACK TOP APPROX 400 SQ FT  
SUPPLY AND INSTALL COLD PATCH CLACK TOP  
SEAL ALL CRACKS AND SEAMS  
REMOVE ALL DEBRIS  
PREVAILING WAGES APPLY  
TOTAL PRICE \$6000.00

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