

**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:



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 25th Street, 10th Floor
New York, New York 10010-2917

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

Cardno ATC Project No. 015.19125.1883

TABLE OF CONTENTS

| | |
|---|----|
| Table of Contents..... | 1 |
| Project Directory..... | 2 |
| Executive Summary | 3 |
| 1.0 Introduction..... | 4 |
| 2.0 Engineering Controls | 5 |
| 2.1 Gas Vapor Barrier..... | 5 |
| 2.2 Sub-Slab Depressurization System | 5 |
| 2.3 Composite Cover System | 5 |
| 3.0 Institutional Controls | 5 |
| 4.0 Site Inspections and SSDS Repairs | 6 |
| 4.1 Document Review..... | 6 |
| 4.1.1 Review of Custodian's Inspection Logs | 6 |
| 4.1.2 Review of Biweekly Inspection Logs..... | 7 |
| 4.1.3 Review of Semiannual Groundwater Monitoring Reports | 7 |
| 4.2 ATC's Visual Observations | 8 |
| 4.2.1 Roof Vent SSDS Inspection..... | 8 |
| 4.2.2 Basement Inspection | 9 |
| 4.2.3 Exterior Inspection..... | 9 |
| 5.0 Conclusions and Recommendations | 9 |
| 6.0 Standards of Care..... | 10 |

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**CLIENT:**

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

PROJECT LOCATION:

Mott Haven Campus - X790
730 Concourse Village West
Bronx, New York, 10451
(718) 292-2036

PROJECT TECHNICAL SUPPORT:

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

DESCRIPTION OF WORK:

Review Site Management Plan, O&M plan and prior reports; review custodian's inspection forms, walk-through visual inspection

ATC REPRESENTATIVES:

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



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

atp/

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

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

cc: 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?

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?

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

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

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?

Box 2

YES NO

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

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

**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 | | |
| <p>8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?</p> <p>If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.</p> <p>9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)</p> <p>If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.</p> | | |
| YES | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| NO | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| | | |
|---|--|--|
| SITE NO. C203030 | | Box 3 |
| Description of Institutional Controls | | |
| <u>Parcel</u> 9-2443-78 P/O | <u>Owner</u> New York City Dept. of Education | <u>Institutional Control</u> Ground Water Use Restriction Soil Management Plan Landuse Restriction Building Use Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan |
| <p>ICs:</p> <p>Compliance with the Environmental Easement and DCR.</p> <p>All ECs must be operated and maintained as specified in SMP</p> <p>Cover systems inspection, certification, and maintenance.</p> <p>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.</p> | | |

| | | |
|--|--|--|
| Box 4 | | |
| Description of Engineering Controls | | |
| <u>Parcel</u> 9-2443-78 P/O | <u>Engineering Control</u> Vapor Mitigation Groundwater Containment Subsurface Barriers Fencing/Access Control | |
| <p>ECs:</p> <p>Cover Systems Vapor Barrier Jet Grout Hydraulic Barrier Waterloo Hydraulic Barrier SSDS</p> | | |

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 compete.

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.

Jeffrey P. Ochs
print name

at 44-36 Vernon Blvd. L2C, NY 11105
print business address

am certifying as OWNER (Owner or Remedial Party)

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

Jeffrey P. Ochs

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 Gerhard Gedon at 104 E. 25th St. NY, NY 10010
print name print business address

am certifying as a Professional Engineer for the NYC Dept. of Education

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



Stamp

(Required for PE)

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 and 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, evaluated 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

| Monthly/Severe Condition Inspection Form | |
|---|---|
| Mott Haven Campus 730 Concourse Village West, Bronx, New York 10451 | |
| 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>1:00 pm</u> | |
| Comments: <u>everything checked out</u> | |
| A. SSDS SYSTEM INSPECTION <ol style="list-style-type: none"> Walk the entire roof surface of school buildings. <ul style="list-style-type: none"> * Inspect fan stack guide wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. <input checked="" type="checkbox"/> * Record vacuum gauge reading: <u>-150 mm of water</u> <input checked="" type="checkbox"/> * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Are the indicator lights on the Building Management System functioning properly? <u>yes</u> * Confirm that spare fan is stored in designated secure location and in working condition. <input checked="" type="checkbox"/> * Confirm that the spare fan's bearings are completely filled with grease/lubricant. <input checked="" type="checkbox"/> * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <input checked="" type="checkbox"/> * Comments (see or hear anything unusual?): <u>NO</u> | |
| B. COVER SYSTEM - BOTTOM FLOOR INSPECTION <ol style="list-style-type: none"> Walk all of the bottom floors <ul style="list-style-type: none"> * Any visible cracks or depressions in the ground floors? <u>NO</u> * Any other visible openings (unintended) in the ground floors? <u>NO</u> * Draw approximate location of floor cracks/openings on site map. <u>N/A</u> * Note the length of the crack/opening. <u>N/A</u> * Note the width of the crack/opening. <u>N/A</u> * Comments: <u>NIR</u> | |
| C. COVER SYSTEM - EXTERIOR INSPECTION <ol style="list-style-type: none"> Walk and inspect the entire perimeter of the Site. Walk and inspect all of the paved areas (concrete and asphalt) of the Site. Walk and inspect all of the unpaved areas of the Site including artificial turf field. <ul style="list-style-type: none"> * Are there any signs of significant cracks, settlement, or deterioration of the paved areas? <u>NO</u> * Has any of the pavement material been removed? <u>NO</u> * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <u>NO</u> * Have any structures been constructed on the unpaved areas? <u>NO</u> * Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <u>NO</u> * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <u>NO</u> * Comments: _____ | |
| D. REPAIRS <p>Summarize needed/completed repairs to Engineering Controls:</p> <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: <u>Robert Rivera SR</u> | Weather Conditions: <u>Cloudy skies / It rained</u> |
| Inspection Date: <u>9-10-13</u> | Air Temperature (°F): <u>High 88° Low 73°</u> |
| Inspection Time: <u>11:00 am</u> | |
| Comments: <u>Everything check out</u> <u>OK</u> | |
| A. SSDS SYSTEM INSPECTION | |
| 1. Walk the entire roof surface of school buildings. * Inspect fan stack guide wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. * Record vacuum gauge reading: <u>-150 mm of water</u> <input checked="" type="checkbox"/> * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Are the indicator lights on the Building Management System functioning properly? <u>Yes</u> <input checked="" type="checkbox"/> * Confirm that spare fan is stored in designated secure location and in working condition. <input checked="" type="checkbox"/> * Confirm that the spare fan's bearings are completely filled with grease/lubricant. <input checked="" type="checkbox"/> * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <input checked="" type="checkbox"/> * Comments (see or hear anything unusual?): <u>NU</u> | |
| B. COVER SYSTEM - BOTTOM FLOOR INSPECTION | |
| 1. Walk all of the bottom floors * Any visible cracks or depressions in the ground floors? <u>No</u> * Any other visible openings (unintended) in the ground floors? <u>No</u> * Draw approximate location of floor cracks/openings on site map. <u>N/A</u> * Note the length of the crack/opening. <u>N/A</u> * Note the width of the crack/opening. <u>N/A</u> * Comments: <u>N/A</u> | |
| 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? <u>No</u> * Has any of the pavement material been removed? <u>No</u> * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <u>No</u> * Have any structures been constructed on the unpaved areas? <u>No</u> * Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <u>No</u> * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <u>No</u> * Comments: <u>No</u> | |
| D. REPAIRS | |
| Summarize needed/completed repairs to Engineering Controls: | |
| <u>Robert Rivera SR</u> | |

| Monthly/Severe Condition Inspection Form | |
|---|--|
| <p style="text-align: center;">Mott Haven Campus 730 Concourse Village West, Bronx, New York 10451</p> | |
| <p>Inspector's Name: <u>Robert Rivera Jr</u></p> <p>Inspection Date: <u>10-01-15</u></p> <p>Inspection Time: <u>1:30 pm</u></p> <p>Comments: <u>Everything Check out</u></p> <p><u>OK</u></p> | <p>Weather Conditions: <u>Clear skies</u></p> <p>Air Temperature (°F): <u>High 79° Low 61°</u></p> <p><u>Comfortable</u></p> |
| <p>A. SSDS SYSTEM INSPECTION</p> <p>1. Walk the entire roof surface of school buildings.</p> <ul style="list-style-type: none"> * Inspect fan stack guide wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. <input checked="" type="checkbox"/> * Record vacuum gauge reading: <u>-150 mm of water</u> <input checked="" type="checkbox"/> * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Are the indicator lights on the Building Management System functioning properly? <u>Yes</u> <input checked="" type="checkbox"/> * Confirm that spare fan is stored in designated secure location and in working condition. <input checked="" type="checkbox"/> * Confirm that the spare fan's bearings are completely filled with grease/lubricant. <input checked="" type="checkbox"/> * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <input checked="" type="checkbox"/> * Comments (see or hear anything unusual?): <u>No</u> <input checked="" type="checkbox"/> | |
| <p>B. COVER SYSTEM - BOTTOM FLOOR INSPECTION</p> <p>1. Walk all of the bottom floors</p> <ul style="list-style-type: none"> * Any visible cracks or depressions in the ground floors? <u>No</u> * Any other visible openings (unintended) in the ground floors? <u>No</u> * Draw approximate location of floor cracks/openings on site map. <u>N/A</u> * Note the length of the crack/opening. <u>N/A</u> * Note the width of the crack/opening. <u>N/A</u> * Comments: <u>N/A</u> | |
| <p>C. COVER SYSTEM - EXTERIOR INSPECTION</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"> * Are there any signs of significant cracks, settlement, or deterioration of the paved areas? <u>No</u> * Has any of the pavement material been removed? <u>No</u> * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <u>No</u> * Have any structures been constructed on the unpaved areas? <u>No</u> * Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <u>No</u> * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <u>No</u> * Comments: | |
| <p>D. REPAIRS</p> <p>Summarize needed/completed repairs to Engineering Controls:</p> <p>_____</p> <p>_____</p> <p>_____</p> | |
| <p>Inspector's Signature: <u>Robert Rivera Jr</u></p> | |

| Monthly/Severe Condition Inspection Form | |
|--|---|
| <p style="text-align: center;">Mott Haven Campus 730 Concourse Village West, Bronx, New York 10451</p> | |
| <p>Inspector's Name: <u>Robert Rivera JR</u></p> <p>Inspection Date: <u>11-03-2013</u></p> <p>Inspection Time: <u>11:00 am</u></p> <p>Comments: <u>Everything check out</u> <u>OK</u></p> | <p>Weather Conditions: <u>Cloudy skies</u></p> <p>Air Temperature (°F): <u>High 50° Low 30°</u></p> |
| <p>A. SSDS SYSTEM INSPECTION</p> <p>1. Walk the entire roof surface of school buildings.</p> <ul style="list-style-type: none"> * Inspect fan stack guide wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. <input checked="" type="checkbox"/> * Record vacuum gauge reading: <u>-160 mm of water</u>. <input checked="" type="checkbox"/> * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Are the indicator lights on the Building Management System functioning properly? <u>Yes</u> <input checked="" type="checkbox"/> * Confirm that spare fan is stored in designated secure location and in working condition. <input checked="" type="checkbox"/> * Confirm that the spare fan's bearings are completely filled with grease/lubricant. <input checked="" type="checkbox"/> * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <input checked="" type="checkbox"/> * Comments (see or hear anything unusual?): <u>NO</u> | |
| <p>B. COVER SYSTEM - BOTTOM FLOOR INSPECTION</p> <p>1. Walk all of the bottom floors</p> <ul style="list-style-type: none"> * Any visible cracks or depressions in the ground floors? <u>NO</u> * Any other visible openings (unintended) in the ground floors? <u>NO</u> * Draw approximate location of floor cracks/openings on site map. <u>N/A</u> * Note the length of the crack/opening. <u>N/A</u> * Note the width of the crack/opening. <u>N/A</u> * Comments: <u>N/A</u> | |
| <p>C. COVER SYSTEM - EXTERIOR INSPECTION</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"> * Are there any signs of significant cracks, settlement, or deterioration of the paved areas? <u>NO</u> * Has any of the pavement material been removed? <u>NO</u> * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <u>NO</u> * Have any structures been constructed on the unpaved areas? <u>NO</u> * Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <u>NO</u> * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <u>NO</u> * Comments: _____ | |
| <p>D. REPAIRS</p> <p>Summarize needed/completed repairs to Engineering Controls:</p> <p>_____</p> <p>_____</p> <p>_____</p> | |
| <p>Inspector's Signature: <u>Robert Rivera JR</u></p> | |

Monthly/Severe Condition Inspection Form

Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451Inspector's Name: Robert Rivera JrWeather Conditions: Partly CloudyInspection Date: 12-07-13Air Temperature (°F): High 71° Low 78°Inspection Time: 11:00 amComments: Everything checked outOK

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?): None

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: <u>Robert L. Rivaide</u> | Weather Conditions: <u>Cloudy 51°</u> |
| Inspection Date: <u>11/14</u> | Air Temperature (°F): <u>High 57° Low 39°</u> |
| Inspection Time: <u>10:00 am</u> | |
| Comments: <u>Everything checked out</u> | |
| A. SSDS SYSTEM INSPECTION <ol style="list-style-type: none"> Walk the entire roof surface of school buildings. <ul style="list-style-type: none"> * Inspect fan stack guy wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. <input checked="" type="checkbox"/> * Record vacuum gauge reading: <u>- 130 mm of water</u> <input checked="" type="checkbox"/> * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Is the Building Management System monitoring SSDS fans and functioning properly? <u>yes</u> <input checked="" type="checkbox"/> * Confirm that spare fan is stored in designated secure location and in working condition. <input checked="" type="checkbox"/> * Confirm that the spare fan's bearings are completely filled with grease/lubricant. <input checked="" type="checkbox"/> * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <input checked="" type="checkbox"/> * Comments (see or hear anything unusual?): <u>NO</u> | |
| B. COVER SYSTEM - BOTTOM FLOOR INSPECTION <ol style="list-style-type: none"> Walk all of the bottom floors <ul style="list-style-type: none"> * Any visible cracks or depressions in the ground floors? <u>NO</u> * Any other visible openings (unintended) in the ground floors? <u>NO</u> * Draw approximate location of floor cracks/openings on site map. <u>N/A</u> * Note the length of the crack/opening. <u>N/A</u> * Note the width of the crack/opening. <u>N/A</u> * Comments: <u>N/A</u> | |
| C. COVER SYSTEM - EXTERIOR INSPECTION (including area under platform) <ol style="list-style-type: none"> Walk and inspect the entire perimeter of the Site. Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform. Walk and inspect all of the unpaved areas of the Site including artificial turf field. <ul style="list-style-type: none"> * Are there any signs of significant cracks, settlement, or deterioration of the paved areas? <u>NO</u> * Has any of the pavement material been removed? <u>NO</u> * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <u>NO</u> * Have any structures been constructed on the unpaved areas? <u>NO</u> * Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <u>NO</u> * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <u>NO</u> * Comments: <u>NO</u> | |
| D. REPAIRS <p>Summarize needed/completed repairs to Engineering Controls:</p> <hr/> <hr/> <hr/> | |
| Inspector's Signature: <u>Robert L. Rivaide</u> | |

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 A/C
Warning

Weather Conditions: Mostly sunny 27°
Air Temperature (°F): 27° High 26°
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

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): 65° High 84°
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: <u>Robert Rivera Jr</u> Inspection Date: <u>04-12-2014</u> Inspection Time: <u>2:00 pm</u> Comments: <u>All 6 SED Fans are running.</u> | Weather Conditions: <u>Partly Cloudy</u> Air Temperature (°F): <u>69° High 68° Low 66°</u> |
| A. SSDS SYSTEM INSPECTION <ol style="list-style-type: none"> Walk the entire roof surface of school buildings. <ul style="list-style-type: none"> * Inspect fan stack guide wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. <input checked="" type="checkbox"/> * Record vacuum gauge reading: <u>-150 mm of water</u> <input checked="" type="checkbox"/> * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Are the indicator lights on the Building Management System functioning properly? <u>Yes</u> <input checked="" type="checkbox"/> * Confirm that spare fan is stored in designated secure location and in working condition. <input checked="" type="checkbox"/> * Confirm that the spare fan's bearings are completely filled with grease/lubricant. <input checked="" type="checkbox"/> * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <input checked="" type="checkbox"/> * Comments (see or hear anything unusual?): <u>Vibration coming from SED fan building A & B. Check bearing & fan belt.</u> | |
| B. COVER SYSTEM - BOTTOM FLOOR INSPECTION <ol style="list-style-type: none"> Walk all of the bottom floors <ul style="list-style-type: none"> * Any visible cracks or depressions in the ground floors? <u>NO</u> * Any other visible openings (unintended) in the ground floors? <u>NO</u> * Draw approximate location of floor cracks/openings on site map. <u>N/A</u> * Note the length of the crack/opening. <u>N/A</u> * Note the width of the crack/opening. <u>N/A</u> * Comments: <u>None</u> | |
| C. COVER SYSTEM - EXTERIOR INSPECTION <ol style="list-style-type: none"> Walk and inspect the entire perimeter of the Site. Walk and inspect all of the paved areas (concrete and asphalt) of the Site. Walk and inspect all of the unpaved areas of the Site including artificial turf field. <ul style="list-style-type: none"> * Are there any signs of significant cracks, settlement, or deterioration of the paved areas? <u>NO</u> * Has any of the pavement material been removed? <u>NO</u> * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <u>NO</u> * Have any structures been constructed on the unpaved areas? <u>NO</u> * Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <u>NO</u> * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <u>NO</u> * Comments: <u>None</u> | |
| D. REPAIRS <p>Summarize needed/completed repairs to Engineering Controls:</p> <p><u>Grease bearings & Check fan belt.</u></p> | |
| Inspector's Signature: <u>Robert Rivera Jr</u> | |

| 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 82° Low 66° |
| Comments: | All 6 SSDS Fans are running. | |
| A. SSDS SYSTEM INSPECTION | | |
| 1. Walk the entire roof surface of school buildings. | | |
| <ul style="list-style-type: none"> * Inspect fan stack guide wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. <input checked="" type="checkbox"/> * Record vacuum gauge reading: -150 mbar <input checked="" type="checkbox"/> * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Are the indicator lights on the Building Management System functioning properly? <input checked="" type="checkbox"/> * Confirm that spare fan is stored in designated secure location and in working condition. <input checked="" type="checkbox"/> * Confirm that the spare fan's bearings are completely filled with grease/lubricant. <input checked="" type="checkbox"/> * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <input checked="" type="checkbox"/> * Comments (see or hear anything unusual?): Ball pack bearing starting to wear down on 2nd SSS fan on roof level of building 423. | | |
| B. COVER SYSTEM - BOTTOM FLOOR INSPECTION | | |
| 1. Walk all of the bottom floors | | |
| <ul style="list-style-type: none"> * Any visible cracks or depressions in the ground floors? <input type="checkbox"/> NO * Any other visible openings (unintended) in the ground floors? <input type="checkbox"/> NO * Draw approximate location of floor cracks/openings on site map. <input type="checkbox"/> N/A * Note the length of the crack/opening. <input type="checkbox"/> N/A * Note the width of the crack/opening. <input type="checkbox"/> N/A * Comments: No cracks or opening in ground floor. <input type="checkbox"/> 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. | | |
| <ul style="list-style-type: none"> * Are there any signs of significant cracks, settlement, or deterioration of the paved areas? <input type="checkbox"/> NO * Has any of the pavement material been removed? <input type="checkbox"/> NO * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <input type="checkbox"/> NO * Have any structures been constructed on the unpaved areas? <input type="checkbox"/> NO * Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <input type="checkbox"/> NO * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <input type="checkbox"/> NO * Comments: Everything ok. | | |
| D. REPAIRS | | |
| Summarize needed/completed repairs to Engineering Controls: | | |
| <p>Grease ball pack bearings & visually inspected fan belts on all 6 SSDS fans at 84°. All 6 SSDS fans are running.</p> | | |
| 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 Alvarez Jr. Weather Conditions: Mostly Sunny
Inspection Date: 6-3-14 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 floors.

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 Roof top.

Inspector's Signature: Robert Alvarez Jr.

| Monthly/Severe Condition Inspection Form | |
|--|---|
| <p style="text-align: center;">Mott Haven Campus 730 Concourse Village West, Bronx, New York 10451</p> | |
| <p>Inspector's Name: <u>Robert Rivera Jr.</u></p> <p>Inspection Date: <u>7/28/14</u></p> <p>Inspection Time: <u>10:00am</u></p> <p>Comments: <u>Inspected SSDS</u> <u>Fans are running.</u></p> | <p>Weather Conditions: <u>Mostly cloudy 12°</u></p> <p>Air Temperature (°F): <u>72°</u> <u>High 82° Low 63°</u></p> |
| <p>A. SSDS SYSTEM INSPECTION</p> <p>1. Walk the entire roof surface of school buildings.</p> <ul style="list-style-type: none"> * Inspect fan stack guide wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. <input checked="" type="checkbox"/> * Record vacuum gauge reading: <u>-150 mm</u> <input checked="" type="checkbox"/> water * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Are the indicator lights on the Building Management System functioning properly? <input checked="" type="checkbox"/> Yes * Confirm that spare fan is stored in designated secure location and in working condition. <input checked="" type="checkbox"/> * Confirm that the spare fan's bearings are completely filled with grease/lubricant. <input checked="" type="checkbox"/> * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. <input checked="" type="checkbox"/> * Comments (see or hear anything unusual?): <u>Ball pack on SSDS fan on building A & B. I hear total vibration & visually inspect both units.</u> Need to replace | |
| <p>B. COVER SYSTEM - BOTTOM FLOOR INSPECTION</p> <p>1. Walk all of the bottom floors</p> <ul style="list-style-type: none"> * Any visible cracks or depressions in the ground floors? <input checked="" type="checkbox"/> No * Any other visible openings (unintended) in the ground floors? <input checked="" type="checkbox"/> No * Draw approximate location of floor cracks/openings on site map. <input checked="" type="checkbox"/> N/A * Note the length of the crack/opening. <input checked="" type="checkbox"/> N/A * Note the width of the crack/opening. <input checked="" type="checkbox"/> N/A * Comments: <u>No crack visible or opening.</u> | |
| <p>C. COVER SYSTEM - EXTERIOR INSPECTION</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"> * Are there any signs of significant cracks, settlement, or deterioration of the paved areas? <input checked="" type="checkbox"/> No * Has any of the pavement material been removed? <input checked="" type="checkbox"/> No * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <input checked="" type="checkbox"/> No * Have any structures been constructed on the unpaved areas? <input checked="" type="checkbox"/> No * Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)? <input checked="" type="checkbox"/> No * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <input checked="" type="checkbox"/> No * Comments: | |
| <p>D. REPAIRS</p> <p>Summarize needed/completed repairs to Engineering Controls:</p> <p><u>Need to replace ball pack bearings on SSDS fans on building A & B. I found no lubrication coming from both units. Turned Mechanic HVAC order - new ball pack bearings for both fans</u></p> | |
| <p>Inspector's Signature: <u>Robert Rivera Jr.</u></p> | |

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 DiPilato, 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

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
212.221.7840 FAX

www.TRCsolutions.com

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 10013

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 (14th event, 10th 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 21st Street
Long Island City, New York 11101

**Re: Semi-Annual Groundwater Monitoring
December 2013 (14th Event, 10th 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 (15th event, 11th semi-annual event). The Semi-Annual Groundwater Monitoring report was submitted to NYSDEC on August 1, 2014, under separate cover.

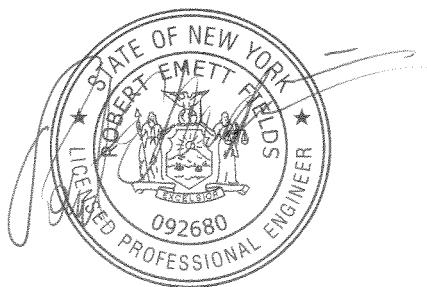
If you have any questions, please contact me at 212-614-3450.

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 21st Street
Long Island City, New York 11101

Re: Semi-Annual Groundwater Monitoring
June 2014 (15th Event, 11th 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

Semi-Annual Groundwater Monitoring
June 2014 (15th Event, 11th Semi-Annual Event)
Mott Haven Campus
Ms. Sondra Martinkat, NYSDEC
August 1, 2014
Page 2

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

New York City Department of Education
Mott Haven (PS X790)
730 Concourse Village West
Bronx, NY 10451
October 28, 2014

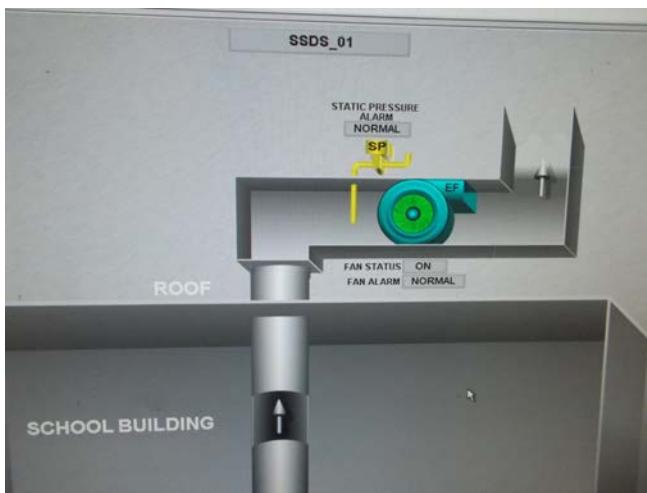


Photo 1: View of BMS on typical SSDS fan unit (EF-1).



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).

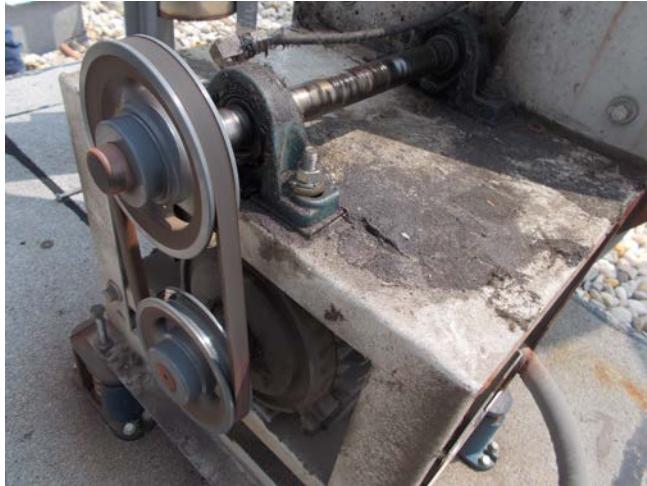


Photo 5: View of typical SSDS fan belt and assembly (EF-4).



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

New York City Department of Education
Mott Haven (PS X790)
730 Concourse Village West
Bronx, NY 10451
October 28, 2014



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

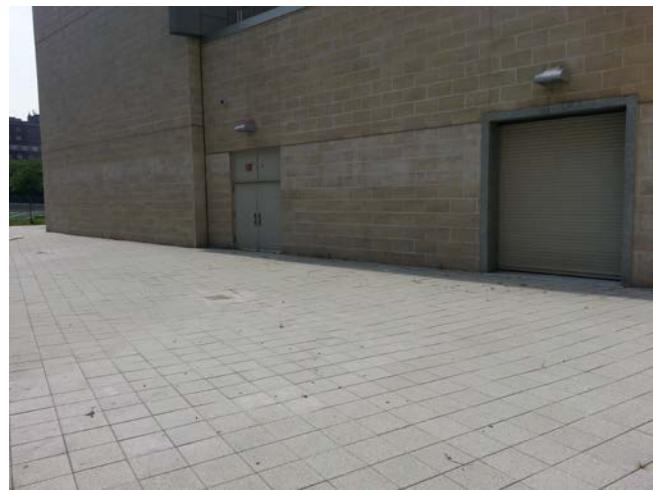


Photo 8: View of typical sidewalk pavers.



Photo 9: View of artificial turf on football field.



Photo 10: View of various site covers.

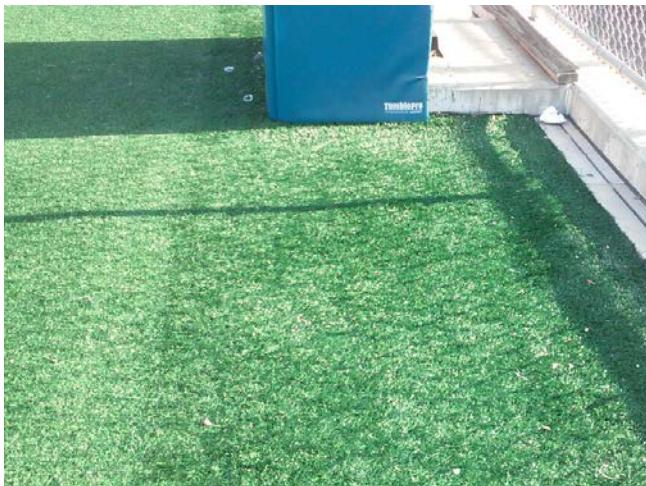


Photo 11: View of repairs made to the minor depression (4'x 2'x 4") at the east end of the artificial turf.



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: <u>Gilbert Gedeon</u> | Weather Conditions: <u>Sunny</u> |
| Inspection Date: <u>8/1/14</u> | Air Temperature (°F): <u>80° F</u> |
| Inspection Time: <u>10 a.m.</u> | |
| Comments: | |
| <p>A. PRE INSPECTION CHECKLIST</p> <ul style="list-style-type: none"> * Schedule Annual Inspection when school is not occupied by students. <input checked="" type="checkbox"/> * Review 12 Previous Monthly Inspection Checklists. <input checked="" type="checkbox"/> * Meet with Custodian and Principal to solicit comments/concerns regarding the operation of the Engineering Controls over the last 12 months. <input checked="" type="checkbox"/> * Conduct Annual Refresher SMP Training with DOE, DSF. <input checked="" type="checkbox"/> * Comments: | |
| <p>B. SSDS SYSTEM INSPECTION</p> <p>1. Walk the entire roof surface of school buildings.</p> <ul style="list-style-type: none"> * Inspect fan stack guy wires. <input checked="" type="checkbox"/> * Inspect fan mounting and vibration isolators. <input checked="" type="checkbox"/> * Inspect condition of fan belt. <input checked="" type="checkbox"/> * Inspect alignment of fan belt. <input checked="" type="checkbox"/> * Record vacuum gauge reading. $\approx -4.5" - 6" H_2O$ * Inspect bolts and set screws for tightness and rusty condition. <input checked="" type="checkbox"/> * Verify spare fan is available, properly lubricated, and properly stored. Yes, Room B60 * Verify spare fan parts (i.e. drive belts) are available and in good condition. <input checked="" type="checkbox"/> * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. <input checked="" type="checkbox"/> * Are the indicator lights on the Building Management System functioning properly? Yes * Comments (see or hear anything unusual?): <u>Vibration damping cloth of B60 requires repair.</u> | |
| <p>C. COVER SYSTEM - BOTTOM FLOOR INSPECTION</p> <p>1. Walk all of the bottom floors</p> <ul style="list-style-type: none"> * 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 2" x 4")
- * 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: 

Attachment 7
Training Acknowledgement

**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

Parts
received
and
fans
repaired
as

Recommendations:

- Replace SSDS dump cloth on SSDS fan unit EF-6
- Observed worn bearings on SSDS fan units EF-5 + EF-6, custodian advised that bearings are in order.
- Repair artificial football field cover by the east end of the 40' yard line, depression (2' x 1') observed.
- Observed soil erosion adjacent to the audi forum building by the 45' yard line ~ approx 3ft³ 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: X 790

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 | 7:00 AM | 3:00 PM | 8 | 8/20/14 |
| Mike Callejo | 7:00 AM | 11:00 AM | 4 | 8/21/14 |
| Mike Callejo | 12:00 PM | 2:00 PM | 2 | 8/21/14 |

Description of work Needed: Continue Repairs to Exhaust Fans.

Work Completed: Disassembled and removed existing bearings for load shaft on FF-1. Installed new pillow block bearings in same. Checked fan for proper operation. Realigned pulley for FF-5 and tightened belt on same. Disassembled old shaft and removed existing pulley from broken shaft on kitchen exhaust fan. Starved 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
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
(BM, FM, HM or CL)

Robert Rivera Jr
Signature

8/20/14
Date

Robert Rivera Jr

Robert Rivera Jr

8/21/14

Mechanics Work Order

WORK ORDER

SITE BU # 3264

SCHOOL: X790

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 | 8:00 Am | 2:00 Pm | 6 | 8/18/14 |
| Mike Callejo | 8:00 Am | 2:00 Pm | 6 | 8/19/14 |

Description of work Needed: Continue Repairs to exhaust fans.

Work Completed: 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 located 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. ~~8/18/14 Replaced blower hub bearing on E/F-6. 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.~~

Parts: 3/4" shaft 2 pillow block bearings

Cost: \$48.00 \$48.20

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 E/F-6 permanently is to replace the entire exhaust fan.
will get quote from Halsey

Mike Callejo

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

Robert Rivera

8/18/14

BM, FM, HM or CL

Signature

Date

Robert Rivera

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

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]
Sent: Wednesday, October 15, 2014 7:35 PM
To: Konkowski, Anthony; Nolan, John; ytv99@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 RTERZULLI@AOL.COM |

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

The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. If you are not the intended recipient of this message you are hereby notified that any use, review, retransmission, dissemination, distribution, reproduction or any action taken in reliance upon this message is prohibited. If

you received this in error, please contact the sender and delete the material from any computer. Any views expressed in this message are those of the individual sender and may not necessarily reflect the views of the Company. Thank you for your cooperation.