## ANNUAL SITE MANAGEMENT REPORT FROM JULY 2017 TO JUNE 2019 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 25<sup>th</sup> Street, 10<sup>th</sup> Floor New York, New York 10010-2917

Date of Issue: July 30, 2019 REVISED: August 30, 2019

ATC Project No. Z214YI1126



### TABLE OF CONTENTS

Table	of Conte	ents	1
Proje	ct Directo	ory	2
Execu	utive Sun	nmary	3
1.0	Introdu	ection	5
2.0	Engine	eering Controls	6
	2.1	Gas Vapor Barrier	6
	2.2	Sub-Slab Depressurization System	
	2.3	Composite Cover System	6
3.0	Institut	ional Controls	7
4.0	Site In:	spections and SSDS Repairs	
	4.1	Document Review	
		4.1.1 Review of Custodian's Inspection Logs	
	4.2	ATC's Visual Observations	
		4.2.1 Roof Vent SSDS Inspection	
		4.2.3 Exterior Inspection	
5.0	Conclu	sions and Recommendations	11
6.0	Standa	rds of Care	12
Attac	hments:		
Attac	hment 1:	Institutional and Engineering Controls Certification Form	
Attac	hment 2:	Custodian Monthly or Severe Condition Inspection Forms	
Attachment 3:		Routine and Preventative Maintenance Checklists	
Attac	hment 4:	SSDS Fan Daily Checklist	
Attac	hment 5:	Photographic Documentation	
Attac	hment 6:	Annual Inspection Forms	
Attac	hment 7:	Training Acknowledgment	
Attac	hment 8:	Corrective Measures Work Plan and Closure Letter	



#### 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, P.E.



#### **EXECUTIVE SUMMARY**

This Site Management Report (SMR) covers the period from July 2017 to June 2019 for Mott Haven Campus (X790) located at 730 Concourse Village West, Bronx, New York. This report is being submitted in response to the June 12, 2019 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 June 20, 2019 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, ATC Group Services, LLC (ATC) observed that the Building Management System (BMS) was not connected to all SSDS fans. The custodian reported that a work order (w/o 00682616) had been submitted for repair work. As an interim measure for the BMS, ATC recommended that the custodial staff complete a daily checklist for each fan unit until the BMS has been repaired. ATC verified that the checklists are being completed and have included copies of the checklists in this report.

During the inspection of the SSDS fan units located on the roof, all SSDS fans were observed to be operational. The flex joints for fan units EF-4 and EF-6 were observed to be moderately damaged. Interim repairs had been completed on the flex joints to prevent losses, and a work order (w/o 00678445) had been submitted for replacement of the flex joints. ATC also observed the spare fan unit is located in Room B80.

During the vapor barrier inspection of the lowest floor, ATC observed that the hairline cracks in Rooms C19, C20, C20B, C29F, C44, C48, C59, C80J, C84 and C86 reported in the previous year had been patched with cement by custodial staff.

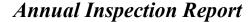
In addition, during the inspection of the cover system and exterior, ATC observed the following:

- Shallow excavation south of Tower D observed during the 2018 annual inspection, reportedly due to a rerouted conduit line from Tower D to a proposed trash compactor southeast of Tower D, had been completed on September 28, 2018;
- Shallow excavation southeast of Tower D, observed during the 2018 annual inspection, reportedly to install a concrete pad for the proposed trash compactor had been completed in September 28, 2018;

ATC revisited the school on October 19, 2018 to confirm the abovementioned repairs.

The following items are pending repair:

- Moderate cracking of the concrete slab and, in some cases, lifting/separation of the concrete slab from the gravel below it in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156 as follows:
  - o North Manhole cracking and lifting of concrete, approximately 8' x 8' area;





- o South Manhole cracking and lifting of concrete, approximately 6' x 6' area;
- o Near Column H281 cracking of concrete, approximately 3' x 3' areas;
- Moderate deterioration of the asphalt pavement around the manhole near the emergency fire lane exit gate.

In addition, during the inspection of the cover system and exterior, ATC observed moderate soil erosion during last year's inspections along the grass covered areas East of Tower D had been repaired in March 2019 and were covered with vegetation.

The NYSDEC had previously directed ATC/DOE to develop a Corrective Measures Work Plan (CMWP) to restore the site cover system in the event that excavation activities continued beyond the activities mentioned above. According to the SMP, there is approximately six to ten feet or more of environmental clean fill prior to excavation in those areas affected by excavation activities mentioned above.

While the composite cover system was impacted by the aforementioned activities to a maximum depth of 12", the impacted areas maintained over four feet of environmental clean fill at the time of the shallow excavation activities. The remaining defects under the platform that supports Public School (P.S.) 151 and former P.S. 156, and near the emergency fire lane exit gate were minor in nature and work orders (w/o 00722317 and w/o 00712725) have been submitted for repairs as part of routine maintenance.

ATC concludes that all repairs to the shallow excavated areas mentioned were made per SMP requirements. As such, the CMWP provided was no longer required for the Site. A Corrective Measures Closure Letter documenting the process is included in this report.

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 Mott Haven Campus (X790) located at 730 Concourse Village West in Bronx, New York. The campus opened in September 2010 and is currently attended by approximately 2,003 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.

This report was completed in accordance with the revised SMP approved by the NYSDEC on April 29, 2016.

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;
- 3. Basement inspection and exterior inspection for concrete cracks;
- 4. Review of SMP, Operations and Maintenance Plan (O&M Plan) and Groundwater Monitoring Reports; and
- 5. 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. and Ms. Nancy Guevara of ATC, conducted an annual site inspection on June 20, 2019. In addition, ATC conducted a follow-up visit on October 19, 2018 to confirm the repairs to the compactor area south of Tower D. During the inspection, ATC was accompanied by Mr. Brian Devane, the school's custodial engineer.



#### 2.0 ENGINEERING CONTROLS

According to the SMP prepared by Chicago Bridge & Iron Company (CB&I) (formerly Shaw Environmental & Infrastructure), 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 <u>Vapor Barrier</u>

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 <u>Sub-Slab Depressurization System</u>

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 six (6) 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 P.S. 156 and I.S. 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, and the concrete cap below the platforms that support P.S. 156 and I.S. 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:

- 1. Comply with the Environmental Easement and Declarations of Covenants and Restrictions (DCR) and comply with all elements of the SMP;
- 2. Operate and maintain all ECs as per the SMP;
- 3. 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;
- 4. Inspect the cover system consisting of a concrete cap on all exposed ground surfaces beneath P.S. 156 and I.S. 151 to prevent human exposure to underlying soils remaining under Non-BCP Area B;
- 5. 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;
- 6. Inspect and certify all ECs at a frequency and in a matter defined in the SMP;
- 7. Report data and information relevant to Site Management for the Property at the frequency and in a manner defined in the SMP;
- 8. Protect and replace on-site monitoring devices as necessary to ensure the devices function in the manner specified in the SMP;
- 9. Refrain from discontinuing the ECs without an amendment or the extinguishment of the Environmental Easement or DCR and approval by NYSDEC and NYSDOH;
- 10. Prohibit farming and vegetable gardens on the Property;
- 11. Prohibit the use of groundwater underlying the Property unless treatment is used rendering it safe for its intended purpose;
- 12. 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;
- 13. Use the Property as a school campus provided all long-term ECs and ICs included in the SMP are employed;
- 14. 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
- 15. 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, which were prepared for the months of September 2018 through June 2019.

During the review, ATC noted the following:

- 1. The BMS was not connected to all SSDS, even though the fan units were observed to be operational; and
- 2. Flex joints associated with SSDS EF-4 and EF-6 were reported to be moderately deteriorated.

Additionally, the Routine and Preventative Maintenance Checklists were completed for the months of December 2018 and June 2019.

Since the BMS is not monitoring the SSDS fans, the custodial staff was instructed to conduct daily checks of all SSDS fan units. A supplemental form, SSDS Fan Daily Checklist, was provided to the custodial staff to log in the daily fan inspections until the BMS is restored. The SSDS Fan Daily Checklist was completed for the months of November 2018 through June 2019. The SSDS Fan Daily Checklist is included in Attachment 4.

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 and semi-annual basis and document the observations in a monthly inspection form and semi-annual checklist. The Monthly Inspection Forms, routine maintenance checklists, SSDS Fan Daily Checklist and Training Acknowledgement are included in Attachments 2, 3, 4 and 7, respectively.

#### 4.2 ATC's Visual Observations

On June 20, 2019, 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:

- 1. All SSDS fans are operational;
- 2. The BMS is not connected to the SSDS, even though the fan units were observed to be operational; and
- 3. A spare fan unit labeled EF-7 is available at the school and is located in Room B80.

#### 4.2.1 Roof Vent SSDS Inspection

- 1. The SSDS blowers and stacks are located on the roof of Buildings A, B, C, and D as follows:
  - **Buildings** A & B roofs have two fans each: one fan unit on the main roof and the other unit on top of the mechanical penthouse roof.



- **Buildings** C & D roofs have one fan unit each: on top of the mechanical penthouse roof.
- 2. All SSDS fan units were operational;
- 4. All fan belts were aligned and in good condition;
- 3. The flex joint cloths on SSDS fan units EF-4 and EF-6 were observed to be moderately damaged. Temporary repairs had been performed on the flex joints pending permanent replacement of the joint cloths; and
- 4. Fan mounting and vibration isolators were intact.

It was reported to ATC that SSDS EF-6 had been replaced on September 28, 2018.

#### 4.2.2 Basement Inspection

ATC inspected the accessible areas of the basement floor and did not observe any significant visible cracks penetrating into the basement floor during the annual inspection.

During the vapor barrier inspection of the lowest floor, ATC observed that the hairline cracks in Rooms C19, C20, C20B, C29F, C44, C48, C59, C80J, C84 and C86 reported in the previous years had been patched with cement by custodial staff. Any other significant cracks observed during these monthly inspections will require patching with cement or grout.

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.

#### 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 significant pavement removal with the exception of the following areas:

- Shallow excavation south of Tower D was reportedly due to a rerouted conduit line from Tower D to a proposed trash compactor to be installed southeast of Tower D. The area of the shallow excavation was approximately 12" by 14' and reportedly 12" deep which impacted approximately 6" of asphaltic pavement and 6" of aggregate. According to the SMP, there was approximately six to ten feet or more of environmental clean fill prior to excavation. After excavation, there remains more than four feet of environmental clean fill soil which is in compliance with the minimum requirements of two (2) feet of clean fill stated in Soil Management Plan Section 3.1 within the SMP. The work was completed on September 28, 2018. The excavated area has been backfilled with the same material.
- The shallow excavation southeast of Tower D was reportedly to install a concrete pad for the proposed trash compactor. The area of the shallow excavation was approximately 30' x 15' and reportedly 12" deep which impacted approximately 6' of asphaltic pavement and 6" of aggregate. According to the SMP, there was approximately six to ten feet or more of environmental clean fill prior to excavation. After excavation, there remains more than four feet of environmental clean fill soil which is in compliance with the minimum requirements of two (2) feet of clean fill stated in Soil Management Plan Section 3.1 within the SMP. The



work was completed on September 28, 2018. The excavated area impacted has been backfilled with 12" of reinforced concrete.

ATC revisited the school on October 19, 2018 to confirm the abovementioned repairs were completed per the SMP requirements.

In addition, the following was observed during the walk-through inspection:

- Moderate cracking of the concrete slab and, in some cases, lifting/separation of the concrete slab from the gravel below it in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156 as follows:
  - o North Manhole cracking and lifting of concrete, approximately 8' x 8' area
  - o South Manhole cracking and lifting of concrete, approximately 6' x 6' area
  - o Near Column H281 cracking of concrete, approximately 3' x 3' area
- Moderate cracking and moderate deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate;
- Slight soil erosion due to vehicular traffic was observed along the grass covered areas East of Tower D. The custodial staff reported that the soil had been replaced and the grass reseeded in March 2019.
- ATC also inspected the artificial turf and observed no apparent holes, cracks or deterioration.

The NYSDEC had previously directed ATC/DOE to develop a Corrective Measures Work Plan (CMWP) to restore the site cover system in the event that excavation activities continued beyond the activities mentioned above. According to the SMP, there is approximately six to ten feet or more of environmental clean fill prior to excavation in those areas affected by excavation activities mentioned above.

While the composite cover system was impacted by the aforementioned activities to a maximum depth of 12", the impacted areas maintained over four feet of environmental clean fill at the time of the shallow excavation activities. The remaining defects under the platform that supports Public School (P.S.) 151 and former P.S. 156, and near the emergency fire lane exit gate were minor in nature and work orders (w/o 00722317 and w/o 00712725) have been submitted for repairs as part of routine maintenance.

ATC concludes that all repairs to the shallow excavated areas mentioned were made per SMP requirements. The composite cover system is intact and provides a barrier from direct contact with underlying soils. As such, the CMWP provided was no longer required for the Site. A Corrective Measures Closure Letter documenting the process is included in Attachment 8.



#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on visual observations, ATC concludes the following:

- 1. The BMS is not connected to the SSDS, even though the fan units were observed to be operational;
- 2. The flex joint cloths on SSDS fan units EF-4 and EF-6 were observed to be moderately damaged. Temporary repairs had been performed on the flex joints pending permanent replacement of the joint cloths;
- 3. The vacuum gauges on all units were operational;
- 4. Moderate cracking of concrete slab and, in some cases, lifting/separation of the concrete slab was observed in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156;
- 5. Moderate cracking and deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate;
- 6. The ICs and ECs are in place, remain effective;
- 7. The O&M Plan is being implemented;
- 8. No changes have occurred that would reduce the ability of the controls to protect public health and the environment;
- 9. Access is available to the Site by NYSDEC and NYSDOH to evaluate continued maintenance of such controls; and
- 10. Site usage is compliant with the environmental easement.

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

- 1. Correct the BMS to monitor all units, complete the supplement daily checklist for each fan unit until the BMS had been repaired; DOE Work Order WO#00682616
- 2. Replace the damaged flex joint cloths on SSDS fan units EF-4 and EF-6; DOE Work Order WO#00678445
- 3. Repair damaged concrete cover system around manholes and Column H281 below building 156 per the Site Management Plan (SMP). DOE Work Order WO# 00722317.
- 4. Repair damaged asphalt pavement around the manhole observed near the emergency fire lane exit gate. DOE Work Order -WO#007125725;
- 5. Continue documenting all operation and maintenance activities on ECs;
- 6. Continue to conduct monthly and routine/preventative maintenance inspections and record observations in the Monthly and Routine and Preventative Maintenance logs;
- 7. Conduct daily SSDS fan checks and document in the SSDS Fan Daily Checklist until the BMS is restored; and
- 8. Continue to replace any worn fan belts and conduct preventative maintenance on the SSDS fan units 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, *ATC GROUP SERVICES, LLC* 



Gilbert Gedeon, P.E. Principal Engineer

cc: B. Orlan Y. Efstathiou N. Guevara





# Attachment 1 Institutional and Engineering Controls Certification Form

#### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

625 Broadway, 11<sup>th</sup> Floor, Albany, NY 12233-7020 P: (518)402-9543 | F: (518)402-9547 www.dec.ny.gov

6/12/2019

Bernie Orlan Director, EHS New York City Dept Of Education 44-36 Vernon Blvd 3rd Floor 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

#### Dear Bernie 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 **July 30, 2019**. 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, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

#### https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

#### https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Sondra Martinkat, the Project Manager, at 718-482-4891 or sondra.martinkat@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation One Hunters Point Plaza 47-40 21st Street

#### Enclosures

PRR General Guidance Certification Form Instructions Certification Forms

cc: w/ enclosures

New York City Dept. Of Education

ec: w/ enclosures

Sondra Martinkat, Project Manager

Jane O'Connell, Hazardous Waste Remediation Supervisor, Region 2

ATC Associates Inc - Gil Gideon - gilbert.gedeon@cardno.com

#### **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. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are 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 <u>cannot</u> 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	e No.	Site Details C203030	Box 1	
	Site	e Name	Former Metro North Property		
	City Co	//Town: unty: Bro	s: 730 Concourse Village West Zip Code: 10451 New York onx e: 0.918		
	Rej	oorting P	Period: July 31, 2017 to June 30, 2019		
				YES	NO
	1.	Is the in	nformation above correct?	<b>b</b> /	
		If NO, ir	nclude handwritten above or on a separate sheet.		
	2.		me or all of the site property been sold, subdivided, merged, or undergone a parament during this Reporting Period?		
	3.		ere been any change of use at the site during this Reporting Period IYCRR 375-1.11(d))?	۵	<b>Ø</b>
	4.		ny federal, state, and/or local permits (e.g., building, discharge) been issued the property during this Reporting Period?		ů/
			nswered YES to questions 2 thru 4, include documentation or evidence cumentation has been previously submitted with this certification form.		
	5.	Is the si	ite currently undergoing development?		to
				Box 2	
				YES	NO
	6.		urrent site use consistent with the use(s) listed below? red-Residential, Commercial, and Industrial	id ,	
	7.	Are all I	Cs/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.		
Co	orre	ctive Me	asures Work Plan must be submitted along with this form to address these issue	es.	
	Sigi	nature of	Owner, Remedial Party or Designated Representative Date		

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

ı D/

NO

YES

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

/

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

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

SITE NO. C203030

#### **Description of Institutional Controls**

Parcel

Owner

9-2443-78 P/O

New York City Dept. of Education

**Institutional Control** 

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

ICs:

Compliance with the Environmental Easement and DCR.
All ECs must be operated and maintained as specified in SMP
Cover systems inspection, certification, and maintenance.

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

#### **Description of Engineering Controls**

Parcel

9-2443-78 P/O

**Engineering Control** 

Vapor Mitigation

Groundwater Containment Subsurface Barriers Fencing/Access Control

ECs: Cover Systems Vapor Barrier Jet Grout Hydraulic Barrier Waterloo Hydraulic Barrier

SSDS

	Periodic Review Report (PRR) Certification Statements		
1.	I certify by checking "YES" below that:		
	<ul> <li>a) the Periodic Review report and all attachments were prepared under the direction reviewed by, the party making the certification;</li> </ul>	n of, and	
	b) to the best of my knowledge and belief, the work and conclusions described in the		
	are in accordance with the requirements of the site remedial program, and generally	YES	NO
111111111111111111111111111111111111111			
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for early or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that a following statements are true:		utional
	the Institutional Control and/or Engineering Control(s) employed at this site is unchanged be the date that the Control was put in-place, or was last approved by the Department;	İ	
	nothing has occurred that would impair the ability of such Control, to protect public health environment;	n and	
	access to the site will continue to be provided to the Department, to evaluate the nedy, including access to evaluate the continued maintenance of this Control;		
(d) Site	nothing has occurred that would constitute a violation or failure to comply with the Management Plan for this Control; and		
(e) and	if a financial assurance mechanism is required by the oversight document for the site, the sufficient for its intended purpose established in the document.	e mechar	nism remains valid
		YES/	NO
		6	

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

BEKNARD P ORLAN print name	at 44-36 Vernon Blvd LIC, NY 11, 0) print business address
am certifying as OWNER	(Owner or Remedial Party)
for the Site named in the Site Details Signature of Owner, Remedial Party, of Rendering Certification	7/31/19

#### **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.

am certifying as a Professional Engineer for the

Owner or Remedial Party)

Option of the Control of

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
73	O Concourse Village West, Bronx, New York 10451
e de la companya de l	
Inspector's Name: Robert	Rivera In Weather Conditions: Cloudy 18°
	7 - 2018 Air Temperature (°F): 78°
Inspection Time: 11:00	
Comments:	
COMMICNES	
A. SSDS SYSTEM INSPECTIO	
1. Walk the entire roof s	urface of the school buildings.
	All ok
* Inspect fan stack guy wires	
* Inspect fan mounting and	
* Inspect condition of fan be	
* Inspect alignment of fan be	
* Record vacuum gauge read	ing. EF-1: - 4
K-MACOTO	
Design of the second of the se	
* Inspect bolts and set screw	s for tightness and rusty condition. All OK
* Inspect for cleanliness. Cle	an exterior surfaces only. Remove dust and grease on motor housing. Allow
* Is the Building Managemen	It System (Monttoring the soos ratio directions in the property)
* Confirm that a spare fan is	stored in a designated secure location and in working condition.
* Confirm that the spare fan	s bearings are completely filled with grease/lubricant.
	spare fan several times to ensure that bearings remain lubricated.
* Comments (See or hear an	vtning unusual?): IV//~
	BALTI COD INSPECTION
B. COVER SYSTEM – BOTTO 1. Walk all of the bottom	
T. AASIK SII OL LUG DOLLOI	i nocia.
# Any visible cracks or depre	ssions in the ground floors? (Y/N)
* Any other visible openings	(unintended) in the ground floors? (Y/N)
* Draw approximate location	of floor cracks/openings on the site map.
* Note the length of the cra	by Jonaphing
* Note the width of the crac	k/opening.
* Comments:	A ME E VICTOR
C. COVER SYSTEM – EXTER	IOP INSPECTION
	e entire perimeter of the Site.
1. Walk and inspect to	of the paved areas (concrete and asphalt) of the Site and under platform.
2. waik and inspect al	of the unpaved areas of the Site including artificial turf field.
3. Walk and inspect al	Of the allbased great of the tire moreants armoral contribute.
* Ave there envisions of sign	ficant cracks, settlement, or deterioration of the paved areas? (Y/N)
TARE THERE ANY SIGNS OF SIGN	naterial been removed? (Y/N)
Has any or the pavement	ruse on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
Are there signs of venicula	r use on the unpaved areas (tile tracks, rutting, etc.): 17/14/
<sup>★</sup> Have any structures been	constructed on the unpaved areas? (Y/N)

* Are there any signs of soil	washing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intr	usive activities (drilling, digging, trenching, grading, excavating, etc.)? (YN)
* Comments: Compace	tor install 9/4/18 9/5/18, 9/17/18, 9/13/18
1 9114/18 9/11/1	8. 9110/18 9/12/18 9/6/18 9/7/18 9/17/18 9/19/18
9/27/18 (8	intrartor Geo Matrix Services INC
D. REPAIRS Teleph	sined Fax \$ 732-568-9000/732-568-9012
Cont	ract Manager: Darren English / Gordian Group
* Summarize needed/ comp	leted repairs to the Engineering Controls
	reed replacement, Black to a Paver near sie
sewer copnece	I Repail 55DS 6 Gange need replace
ment. BMS is	down need service
-	Inspector's Signature:
494	mispector's signature.

	Monthly/Severe Condition Inspection Form
	Mott Haven Campus
7	O Concourse Village West, Bronx, New York 10451
Inspector's Name: 1206	rt Rivera Jr Weather Conditions: Mostly Synny
Inspection Date: 0%/	Air Temperature (°F):
Inspection Time: 9:5	a a comment of the co
l	
Comments:	
President	
A. SSDS SYSTEM INSPECTIO	N
-	urface of the school buildings.
	9 .
* Inspect fan stack guy wires	Allok
1	
* Inspect fan mounting and v	
*Inspect condition of fan be	
* Inspect alignment of fan be	
* Record vacuum gauge read	A 4
	EF-3: - U
	EF-5: - H EF-6: - 3
* Inspect bolts and set screw	s for tightness and rusty condition. All ok
* Inspect for cleanliness. Clean	n exterior surfaces only. Remove dust and grease on motor housing. All OK
* Is the Building Managemen	t System monitoring the SSDS fans and functioning properly? (Y/N) NO
	stored in a designated secure location and in working condition.
	s bearings are completely filled with grease/lubricant.
	spare fan several times to ensure that bearings remain lubricated.
* Comments (See or hear an	
Comments (see of flear an	runng unusuars).
B. COVER SYSTEM – BOTTO	
1. Walk all of the botton	i floors.
	110
	sions in the ground floors? (Y/N)
	(unintended) in the ground floors? (Y/N)
	of floor cracks/openings on the site map.  N //-
* Note the length of the crac	k/opening. No
* Note the width of the crack	
* Comments:	GN CON
C. COVER SYSTEM – EXTER	OR INSPECTION
J	entire perimeter of the Site.
	of the paved areas (concrete and asphalt) of the Site and under platform.
3. Walk and inspect all	of the unpaved areas of the Site including artificial turf field.
	ficant cracks, settlement, or deterioration of the paved areas? (Y/N)
	aterial been removed? (Y/N)
	use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
* Have any structures been c	onstructed on the unpaved areas? (Y/N)

	nspector's Signature: Mart Awara 3
* Summarize needed/ complet	ed repairs to the Engineering Controls  ded for replacement Black Top Paver  and server Euro BMS is down need service  server Euro BMS is down need service  server Euro BMS is down need service
D. REPAIRS TELIFORM	Gentres Inc 732-568-900/732-568-9012 Manageri Baren English, Goodian Group
* Are there any signs of intrusiv * Comments: Composite  * Composite	1118 5/22/18 8/27/18 Continuedo/
of coll was	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N)

	EOWE CONTRACTOR
	Monthly/Severe Condition Inspection Form
	Mott Haven Campus
73	Concourse Village West, Bronx, New York 10451
}	
Inspector's Name: Robert	Rivera In Weather Conditions: Cloudy
Inspection Date: 10/20/3	Air Temperature (°F): 55
Inspection Time: 10:000	ne .
	nc ok
Comments: Everyth	
Na acture	
A. SSDS SYSTEM INSPECTIO	N
2. Walk the entire roof s	urface of the school buildings.
inspect fan stack guy wires	Allok
	Sheatian isolators, intil it
f	ALL OF DESTRUCTION
# Inspect alignment of fan be	elt. All of alignment Good
* Record vacuum gauge read	ding. Et-1: The Market St. Market
The state of the s	EF-3: - 9
Lindi e est	[ FF-7. ]
# Inspect holts and set screy	vs for tightness and rusty condition. All ok
* Inspect for cleanliness. Cle	ean exterior surfaces only. Remove dust and grease on motor housing. All ok
# Is the Building Manageme	nt System monitoring the SSDS fans and functioning properly? (Y/N) NO
# Confirm that the spare fall	s bearings are completely filled with grease/lubricant.
* Potate the fan wheel of the	e spare fan several times to ensure that bearings remain lubricated.
* Comments (See or hear a	nything unusual?):
Commens (300 o	
B. COVER SYSTEM - BOTT	DM FLOOR INSPECTION
1. Walk all of the botto	na floors.
the state of deni	ressions in the ground floors? (Y/N) NO
i i i i i i i i i i i i i i i i i i i	the funithended in the glound noots, the
* Any other visible opening	do of floor cracks/openings on the stee make
* Draw approximate location    * Note the length of the cr	ack/opening.
* Note the length of the cr	rk/opening
* Note the width of the cr	No ne
* Comments:	
	TRICA INSPECTION
C. COVER SYSTEM - EXT	and his correct of the Site.
1. Walk and inspect	the entire perimeter of the Site.  all of the paved areas (concrete and asphalt) of the Site and under platform.
2. Walk and inspect	all of the unpaved areas of the Site including artificial turf field.
3. Walk and inspect	all Of the mihaden group of any
PALIFICATION OF THE PARIS OF TH	to the southernest or deterioration of the paved areas? (Y/N) 4e5
* Are there any signs of si	gnificant cracks, settlement, or deterioration of the paved areas? (Y/N)
* Has any of the pavemer	material been removed? (Y/N)  The material been removed areas (tire tracks, rutting, etc.)? (Y/N)
i i i i i i i i i i i i i i i i i i i	illar use on the unbaved areas the same
* Have any structures be	en constructed on the unpaved areas? (Y/N)
V. The state of th	I w

* Are there any signs of soil wa	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intrusi	ve activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments:	NA
D. REPAIRS	
* Summarize needed/ comple	ted repairs to the Engineering Controls
Sewer cap need	Ceptul! SSBS to Glauge Heplaces
e-COMPANIES	Inspector's Signature: Mech slivera J

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451
Inspector's Name: Cobert Kivera Weather Conditions: Clear
Inspection Date: 11-8-2-18 Air Temperature (°F):
Inspection Time: 11.00 am
Comments:
GOTTATIONES
A. SSDS SYSTEM INSPECTION
1. Walk the entire roof surface of the school buildings.
* Inspect fan stack guy wires. All CK
* Inspect fan mounting and vibration isolators.
* Inspect condition of fan belt. All OK AX25 cool condition
* Inspect alignment of fan belt. All ok alignment Good
* Record vacuum gauge reading. EF-1: - 3 inches of water EF-2: - 6 inches of water
EF-3: -4 mohas of Water/EF-4: -5 mohas of water
EF-5: - 5 inches of water EF-6: - 4 inches of water
* Inspect bolts and set screws for tightness and rusty condition. All ok
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All ok
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N)
* Confirm that a spare fan is stored in a 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. $\sqrt{e}$
* Comments (See or hear anything unusual?):
B. COVER SYSTEM - BOTTOM FLOOR INSPECTION
1. Walk all of the bottom floors.
S. THERE AND LINE ADDRESS. TO SEE
* Any visible cracks or depressions in the ground floors? (Y/N)
* Any other visible openings (unintended) in the ground floors? (Y/N)
* Draw approximate location of floor cracks/openings on the site map.
* Note the length of the crack/opening.
* Note the width of the crack/opening.
*Comments:
COMMITTEE.
C. COVER SYSTEM - EXTER OR INSPECTION
in the state of the Sign
marker nietrorm
I to a service of the final indicated in the service of the servic
* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N)
* Has any of the pavement material been removed? (Y/N)
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
# Have any structures been constructed on the unpaved areas? (Y/N)

....

* Are there any signs of soil w * Are there any signs of intrus * Comments:	ashing or erosion (gullies, soil washed out onto the pavement)? (Y/N) ive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO.
	eted repairs to the Engineering Controls  The need repair Black top power  Cap reed repair, BMS is clown need
	Inspector's Signature: Mand Awers

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ž ;

1,

4	Monthly/Severe Condition Inspection Form
	Mott Haven Campus
	730 Concourse Village West, Bronx, New York 10451
÷ .	
Inspector's Name: Robe	VARIVERATA Weather Conditions: Claudy 48
	2 - i & Air Temperature (°F):
Inspection Time: Cic	
Comments: Even	
Comments:	
A. SSDS SYSTEM INSPECT	
<ol><li>Walk the entire roo</li></ol>	surface of the school buildings.
Section 1994	
* Inspect fan stack guy wir	es. All OK
	vibration isolators. All DE
* Inspect condition of fan b	
* Inspect alignment of fan	
* Record vacuum gauge re	ading. EF-1: - 3 whes of water EF-2: - 6 inches of water
7,000, 4,0004,11, 444,610	EF-3: "W Miches of Worker EF-4: - 5 inches of worker
All the Control of th	EF-5: - 5 inches atwarter EF-6: - 4 inches of white
# Inchest holts and set sers	ws for tightness and rusty condition.
* Inspect Doits and set set	ean exterior surfaces only. Remove dust and grease on motor housing.
* Inspect for cleaningss. C	ent System monitoring the SSDS fans and functioning properly? (Y/N) NO
* Is the Building Wanagem	Cit System morntoring trie sore remembers the property to the
Confirm that a spare tan	10 000, 04 11. 0 400//
* Confirm that the spare fa	n's bearings are completely filled with grease/lubricant.
* Rotate the fan wheel of t	he spare fan several times to ensure that bearings remain lubricated.
* Comments (See or hear a	nything unusual?): Nife
4	
B. COVER SYSTEM - BOT	
1. Walk all of the bott	om floors.
The state of the s	
* Any visible cracks or dep	essions in the ground floors? (Y/N)
* Any other visible opening	s (unintended) in the ground floors? (Y/N)
* Draw approximate locati	on of floor cracks/openings on the site map.
* Note the length of the cr	ack/opening. — NO
* Note the width of the cra	ck/opening
* Comments:	None
COMMITTED IN CO.	
C. COVER SYSTEM – EXT	RIOR INSPECTION
	the entire perimeter of the Site.
1. Walk and inspect	all of the paved areas (concrete and asphalt) of the Site and under platform.
2. Walk and inspect	all of the paved areas (contracte and aspirate) of the site and ance plantoning
3. Walk and inspect	all of the unpaved areas of the Site including artificial turf field.
	W/M Sise
* Are there any signs of signs	nificant cracks, settlement, or deterioration of the paved areas? (Y/N)
# Has any of the payemen	material been removed? (Y/N)
* Are there signs of vehicu	ar use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
* Have any structures bee	n constructed on the unpaved areas? (Y/N)

* Are there any signs of soil w	vashing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intru	sive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) 시
* Comments:	NIA
D. REPAIRS	
	eted repairs to the Engineering Controls  o Cloth need replacement. Black top paver  need repair, BMS is down need service.
The state of the s	Inspector's Signature: Med Three 3

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**	Monthly/Severe Condition Inspection Form
	Mott Haven Campus
770	Concourse Village West, Bronx, New York 10451
/30	Concourse amage areas areas
	Rivera Se Weather Conditions: Partly Cloudy
Inspector's Name: Kobev-	(1981)
Inspection Date: 1-9-1	
Inspection Time: 12.00	
Comments: Every	hing UE
A. SSDS SYSTEM INSPECTIO	
<ol><li>Walk the entire roof st</li></ol>	rface of the school buildings.
Department of the Control of the Con	
* Inspect fan stack guy wires.	ANOK
* Inspect fan mounting and v	bration isolators. All OK
* Inspect condition of fan bel	. All OF
9	1 No. 1 1 11 11 11 11 11 11 11 11 11 11 11 1
* Record vacuum gauge read	TEA. O SUBJECT CANALARY FEELS OF WORKS OF COUNTY
The state of the s	
-	EF-5: - S inches of Water EF-6: - H inches of water
# Inchect holts and set screw	for tightness and rusty condition.
- 1 1 - 1 - 1	- exterior curtacas and Religion and Blood on motor was
	the Contrary magnificating the 11111 12113 dill full full full full the property 11777
to see that a chara fan ic	ktored in a designated secure location and in working contains
* Confirm that the spare ran	s bearings are completely fines with a spare fan several times to ensure that bearings remain lubricated.
* Rotate the fan wheel of th	e spare tail several times to an analysis of the several times times to an analysis of the several times to a several times to an analysis of the several times times to an analysis of the several times times to an analysis of the several times times to a several times times to an analysis of the several times t
* Comments (See or hear an	ything unusuals).
B. COVER SYSTEM - BOTT	M FLOOR INSPECTION
1. Walk all of the botto	n floors.
7	
* Any visible cracks or depre	ssions in the ground floors? (1/14)
the state of the openings	(unintended) in the ground noois: (1719)
* Draw approximate locatio	b of floor cracks/openings on the site map.
* Note the length of the cra	
* Note the width of the cra	k/opening.
Note the with or the era	K/Opermig-
* Comments:	
C. COVER SYSTEM - EXTE	IOD INSPECTION
4	1
1. Walk and inspect t	e entire perimeter of the Site.  I of the paved areas (concrete and asphalt) of the Site and under platform.
2. Walk and inspect a	of the paved dreas (controlled the site including artificial turf field.
<ol> <li>3. Walk and inspect a</li> </ol>	of the unpaved areas of the site more and a state of the unpaved areas of the site of the unpaved areas of the
, section and sect	er deterioration of the naved areas? (Y/N) He's
* Are there any signs of sig	mificant cracks, settlement, or deterioration of the paved areas? (Y/N)
	material been removed? (Y/N)
* Has any of the pavement	(IV/N)
a sun share signs of vehicu	material been removed? (Y/N)  ar use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)  constructed on the unpaved areas? (Y/N)

* Are there any signs of soil wa	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intrusi	ve activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) 시이
* Comments:	k 1/1/
	N/I+
	į v
D. REPAIRS	
* Summarize needed/ complet	ed repairs to the Engineering Controls
3305 6 Cloth	apried repair, BMS, s down
rear somer c	apriled verally 13MS 1500021
THE CONTRACTOR OF THE CONTRACT	
HERE	01 :: 0
reasonates Communication Commu	nspector's Signature: Meet Rivers 3

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451
Inspector's Name: (Lange & Revera Tre Weather Conditions: Shares /Claudy
Inspection Date: 2-15-19 Air Temperature (°F): 45
Inspection Time: 1.00 pm
Comments: Everything Cle
Confinents.
THE PROPERTY OF THE PROPERTY O
A. SSDS SYSTEM INSPECTION  1. Walk the entire roof surface of the school buildings.
1. Walk the entire roof surface of the school salicing.
* Inspect fan stack guy wires.
instruction and instruction an
I = Inspect fan mounting and viol adolf isolators
Inspect Condition of fair uses.
Inspect alignment of ten of the 2 in class of water FF-2: - 6 in ches of weeter
EED. WILLIAM LITE JINGS CO.
EF-5: - 5 inches of water EF-6: - 4 inches of water
6 tightness and rusty condition. All 04-
Clair octorior curtares and Remove must and greate on motor and and greate on motor and and greater of the control of the cont
the state of the same of the s
the Same that a space for inletored in a designated secure rocation and in working constitution
full bearings and completely lifely will be case full form
* Confirm that the spare fan's bearings are completely mod war a remain lubricated. * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. * Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated.
*Comments (See or hear anything unusual?):
* Comments (see or near entremen
B. COVER SYSTEM - BOTTOM FLOOR INSPECTION
1. Walk all of the bottom floors.
* Any visible cracks or depressions in the ground floors? (Y/N)
* A other visible openings (unintended) in the ground noois: 117.97
* Draw approximate location of floor cracks/openings on the site map.
the length of the crack/opening
* Note the width of the crack/opening.
* Comments:
COMMITTEE
C. COVER SYSTEM - EXTERIOR INSPECTION
<ol> <li>Walk and inspect all of the unpaved areas of the Site including artificial turf field.</li> </ol>
* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N)
the are signs of vehicular use on the unpaved areas thre tracks, recently
* Have any structures been constructed on the unpaved areas? (Y/N)

* Are there any signs of soil wa	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intrusiv	ve activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) (V
* Comments:	h + 1 //
***	
D. REPAIRS	
* Summarize needed/ complet	ed repairs to the Engineering Controls
5505 b C 10th	need replacement, Black top paver
MAN Seiner Ca,	eneed repair PMC is down
Constitution	
- I	nspector's Signature: Abrect divers
1	33500001 3 518.1111 3

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	Monthly/Severe Condition Inspection Form			
	Mott Haven Campus			
720	Concourse Village West, Bronx, New York 10451			
, ,	Concourse vinage west, stormy there is the			
	Rivera Ja Weather Conditions: Mostly Sunnin			
Inspector's Name: Rober	121200000000000000000000000000000000000			
Inspection Date: 3-15-				
Inspection Time: 8:00				
Comments: Everything	y 0 F-			
THE	*.			
up. Lag				
A. SSDS SYSTEM INSPECTION				
A. Walk the entire roof st	rface of the school buildings.			
2. Waik the chancion	W. T.			
* Inspect fan stack guy wires.	All ok			
* Inspect fan stack guy wires.	bration isolators. ALLOK			
- inspect tan mounting and vi	ALLUK AX25			
inspect condition of fan belt				
* Inspect alignment of fan be	ng. EF-1: - 3 inches of water EF-2: - 6 inches of water			
* Record vacuum gauge readi	EF-3: -4 inches of water EF-4: -5 inches of worker			
Total Park	EF-5: - 5 inches of water EF-6: - Hinches it water			
and the state of t				
* Inspect bolts and set screws				
* Inspect for cleanliness. Clea	n exterior surfaces only. Remove dust and grease on motor nousing. O			
* Is the Building Managemen	System monitoring the SSDS fans and functioning properly? (Y/N) 100			
* Confirm that a spare fan is s	tored in a designated secure location and in working condition. 725			
* Confirm that the spare fan'	hearings 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 any	thing unusual?):			
The same of the sa				
B. COVER SYSTEM - BOTTO	M FLOOR INSPECTION			
1. Walk all of the botton				
* Any visible cracks or depre	sions in the ground floors? (Y/N)			
* Any other visible openings	(unintended) in the ground floors? (Y/N)			
* Draw approximate location	of floor cracks/openings on the site map.			
* Note the length of the crac	Klonening " N'O			
* Note the width of the cracl	/opening			
* Comments:	y opening.			
· Comments.				
C. COVER SYSTEM - EXTER	OR INSPECTION			
C. COVERSYSTEM - EXTEN	HUK NUTECTION			
1. Walk and inspect th	e entire perimeter of the Site. of the paved areas (concrete and asphalt) of the Site and under platform.			
2. Walk and inspect all	or the paved areas (consists and septiate, or and areas and and areas of the Site including artificial furf field.			
3. Walk and inspect all	of the unpaved areas of the Site including artificial turf field.			
was division				
* Are there any signs of sign	ficant cracks, settlement, or deterioration of the paved areas? (Y/N)			
# 11 any of the navement r	material been removed? (Y/N)			
* Are there signs of vehicula	ar use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)			
* Have any structures been	constructed on the unpaved areas? (Y/N)			

* Are there any signs of soil wa * Are there any signs of intrusive * Comments:	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N) ye activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
D. REPAIRS	
Mear sewer	red repairs to the Engineering Controls  red repairs to the Engineering Controls  red replacement Black top party  red repair BMSittes
down	Inspector's Signature: Abert Awar J

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. ,,,				
	Monthly/Severe Condition Inspection Form			
	Mort Haven Campus			
726	Concourse Village West, Bronx, New York 10451			
/50	fi Chilentine America			
	2 KNEVENTA Weather Conditions: Cloudy			
Inspector's Name: Rober	+ W. (70 W. W. Cattler, Str.). 5-3-2			
Inspection Date: 4-8-1	All Telliperactive (17)			
Inspection Time: 1.000				
Comments: Every	thing of			
COMMITTEE				
A. SSDS SYSTEM INSPECTIO	N La sul anhari buildings			
1. Walk the entire roof st	rface of the school buildings.			
* Inspect fan stack guy wires.	Allok			
# Inspect fan mounting and v	bration isolators. Production			
* Inspect condition of fan bel	t. All OF Mic			
inspect alignment of fan be	1+			
* Record vacuum gauge read	La EL 1. 33 LANTES OF VICE L			
Necord vacauti Heart	FF-3 Inches of water EF-4: makes of their			
Autori	FF-5:-5 inches of water Et-6: inches of water			
the lite and set scraw	1 Control of the cont			
* Inspect poits and set screw	an exterior surfaces only. Remove dust and grease on motor housing. OV			
* Inspect for cleaniness. Cle	t System monitoring the SSDS fans and functioning properly? (Y/N) No			
* Confirm that a spare ran is	stored in a designated sective followith grease/lubricant.			
* Confirm that the spare fan	e spare fan several times to ensure that bearings remain lubricated.			
* Rotate the fan wheel of th	e spare ran severar arms so			
* Comments (See or hear ar	Wthing unusuals).			
B. COVER SYSTEM - BOTT	DM FLOOR INSPECTION			
1. Walk all of the botto	n floors.			
* Any visible cracks or depr	designs in the ground floors: (1/N)			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t lunintended) in the ground noots, the			
* Draw approximate location	n of floor cracks/openings on the site map.			
* Note the length of the cra	ck/opening.			
* Note the width of the cra	ck/opening.			
- Note the wider or the se				
* Comments:				
TVIII TVIII	DIOD INISPECTION			
C. COVER SYSTEM - EXT	Another perimeter of the Site.			
1. Walk and inspect	the entire perimeter of the Site.  Ill of the paved areas (concrete and asphalt) of the Site and under platform.			
2. Walk and inspect	all of the unpaved areas of the Site including artificial turf field.			
<ol> <li>3. Walk and inspect</li> </ol>	all of the unpaveu areas of the site that the site of			
	the payed areas? (Y/N) $\frac{1}{\sqrt{e^2}}$			
# Are there any signs of signs	ignificant cracks, settlement, or deterioration of the paved areas? (Y/N)			
* Has any of the pavemen	material been removed? (Y/N)  material been removed? (Y/N)  (Y/N)  (ES			
	A lartice on the lineaved aleas take aleasta.			
* Have any structures bee	n constructed on the unpaved areas? (Y/N)			
LIGAC CHILL CO.				

	12 0/01 See 2		
-i of coilors	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N)		
* Are there any signs of soil wa	Shing of crosion (gaing trenching, grading, excavating, etc.)? (Y/N) NO		
* Are there any signs of intrusi	shing or erosion (guines, son washed out ve activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) iy이		
* Comments:	<u> </u>		
D. REPAIRS			
THE STATE OF THE S	o minale		
* summarize needed/ comple	ed repairs to the Engineering Controls		
Junimanze need to A	h reed replacement Black top		
53133 0010	mer read repair BMS is down		
DOWEN TRAVS	DOEV . T. T		
0986 CT44	$n \neq \infty$		
	Ala A dinasa		
	nspector's Signature: Alex Aurers 3		
	· ·		

	Monthly/Severe Condition Inspection Form		
	Mott Haven Campus		
7	30 Concourse Village West, Bronx, New York 10451		
Inspector's Name: Pobe	of Rivera Tr. Weather Conditions: Cloudy		
Inspection Date: 5/7			
Inspection Time: (0.0	Caro		
Comments: Even	thing ok		
· ·			
A. SSDS SYSTEM INSPECTI	•		
2. Walk the entire roof	surface of the school buildings.		
	all at		
* Inspect fan stack guy wire			
* Inspect fan mounting and * Inspect condition of fan be			
* Inspect alignment of fan b			
	ling. EF-1: - 3 inches of Water EF-2: - 6 inches of water		
- xccora vacaam gaage rea	EF-3:- Winches of Water EF-4: -5 inches of worter		
His course	EF-5: - 5 inches of water EF-6: - 4 inches of water		
* Inspect bolts and set screy	vs for tightness and rusty condition. $A(1,r) \leftarrow$		
# Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing.			
	nt System monitoring the SSDS fans and functioning properly? (Y/N)		
	is stored in a designated secure location and in working condition.		
	's bearings are completely filled with grease/lubricant.		
* Rotate the fan wheel of th	he spare fan several times to ensure that bearings remain lubricated. Hes		
<u>* Comments (See or hear an</u>	ything unusual?): N/A		
B. COVER SYSTEM — BOTT	DIVI FLOOR INSPECTION		
<ol> <li>Walk all of the botton</li> </ol>	n floors.		
	ssions in the ground floors? (Y/N)		
	(unintended) in the ground floors? (Y/N) \(\frac{\gamma}{\gamma}\)		
* Note the length of the crac			
* Note the width of the crac	k/opening.		
* Comments:			
C. COVER SYSTEM – EXTER	IOB INISPECTION		
	e entire perimeter of the Site.		
, - :	e entire perimeter of the site.  of the paved areas (concrete and asphalt) of the Site and under platform.		
·	of the unpaved areas of the Site including artificial turf field.		
o. want and hispect at	or are areas areas or and site intrinuing artificial tell light.		
# Are there any signs of sign	ificant cracks, settlement, or deterioration of the paved areas? (Y/N)		
	naterial been removed? (Y/N)		
	ar use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)		
	constructed on the unpaved areas? (Y/N)		

* Are there any signs of soil wa	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N)		
* Are there any signs of intrusi	e activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) 💆		
* Comments:	NIA		
D. REPAIRS			
*Summarize needed/completed repairs to the Engineering Controls  SSOS & Cloth need replacement Black top paver  Near Sewer need repair, BMS is down			
Comments of the Comments of th	nspector's Signature: Sheet slivers 3		

V 8 :

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451
nspector's Name: Forest Rivera In Weather Conditions: Sunny
nspection Date: 6-3-19 Air Temperature (°F): 59
nspection Time: 11.0000
Comments: Everything OK
Comments: 42°C 3   3
A. SSDS SYSTEM INSPECTION
1. Walk the entire roof surface of the school buildings.
inspect fan stack guy wires. All OK
*Inspect fan mounting and vibration isolators. All ok *Inspect condition of fan belt. All Ean belts are in good condition
Inspect digitiment of tan actu
* Record vacuum gauge reading. EF-1: - 3 inches of Water EF-2: - b inches of water EF-4: - 5 inches of water
EF-5: -5 taches of water EF-6: CSDS 15 down
EF-3. S FACING BY Condition. All OK
* Inspect bolts and set screws for tightness and rusty condition. All OK  * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. OK  * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. OK  * Inspect for cleanliness.
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and greater that greater the state of the Building Management System monitoring the SSDS fans and functioning properly? (Y/N)
* Confirm that a spare fan is stored in a designated secure location and in working condition.
* Confirm that a spare fan is stored in a designated sector rocution 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.
Rotate the fan wheel of the spare rail several times to entire any several times times to entire any several times to entire any several times times to entire any several times tim
* Comments (See or hear anything unusual?):
B. COVER SYSTEM - BOTTOM FLOOR INSPECTION
1. Walk all of the bottom floors.
1. Walk and the potton noots.
* Any visible cracks or depressions in the ground floors? (Y/N)
* Any other visible openings (unintended) in the ground floors? (Y/N)
* Draw approximate location of floor cracks/openings on the site map.
* Note the length of the crack/opening.
* Note the width of the crack/opening.
* Comments:
C. COVER SYSTEM - EXTERIOR INSPECTION
4 Walls and increase the entire perimeter of the Site.
a walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform.
3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.
* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N)
# Use any of the payement that erial been removed? (Y/N)
*Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
* Have any structures been constructed on the unpaved areas? (Y/N)

* Are there any signs of soil wa	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N)		
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO			
* Comments:			
	11/17		
D. REPAIRS			
* Summarize needed/ completed repairs to the Engineering Controls			
DIDG B ROOT	top SSDS & IS down Electrical issues		
Custodian Er	ngineer call in Emergency Help Desk place		
Service Call.			
· ·	11 1:0 -		
- The state of the	inspector's Signature: Ment ilwers		
	1		

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3 1

	Monthly/Severe Condition Inspection Form				
·	Mott Haven Campus				
.5.	Concourse Village West, Bronx, New York 10451				
/3	Concourse Village West, Broth, New York 19492				
-		W. H. Carditioner S. Cara			
111300000	Rivera Jr	Weather Conditions: Sunny Air Temperature (°F): Hish St Low69			
Inspection Date: 9/15/	7	Air Temperature (°F): High & Low 69			
Inspection Time: 10°, 00	an				
Comments:					
COMMISSION					
A. SSDS SYSTEM INSPECTIO	N				
1. Walk the entire roof s	urface of the school	buildings.			
1	¥ *				
* Inspect fan stack guy wires	. Tes all fa	n stack any wives are ok properly tighten			
ماسيد ف م	dhantian icolatore	4PS all manations Unbraham 1361anons are			
the set condition of fan ho	H YOU GU AX	15 holts are in Groce Condition			
	L Vas 11 Ea.	halte are maderia cuisa			
"Inspect angument of ran be	ling FF-1:-/0 0	inches of water EF-2: -4.8 Inches of water			
* Record vacuum gauge read	EE 2 - 24 2	inches of water Er-4.			
	<u>EF-31. 6</u>	inches of water EF-6: -5.1			
	EF-5; 9. K	web condition No.			
* Inspect bolts and set screv	s for tightness and rusty condition.				
* Inspect for cleanliness. Cle	In outprior curfaces only Remove fillst and grease on motor nousing.				
* Is the Building Manageme	k system monitoring the SSIDS tans and functioning property: (1718) 1				
* Confirm that a chara fan is	stored in a designa	tored in a designated secure location and in working condition.			
the contraction of the common flow	th hanrings are com	harrings are completely tilled with gledse/lubricant.			
* Rotate the fan wheel of th	e spare fan several	spare fan several times to ensure that bearings remain lubricated. \( e \)			
* Comments (See or hear ar	ything unusual?):	No			
COmmence (e.g.					
B. COVER SYSTEM - BOTT	OM FLOOR INSPECT	TION			
1. Walk all of the botto	m floors				
1. Walk all of the botto	10015.				
	elene in the group	d floors? (Y/N)			
* Any visible cracks or depr	essions in the groun	o ground floors? (V/N) N D			
* Any other visible opening	s (uninteridea) in tri	e ground noors: (1/14)			
* Draw approximate location	n of floor cracks/op	NIA			
* Note the length of the cra	ick/opening.	N/A			
* Note the width of the cra	ck/opening.	N/N			
* Comments: All	SOF				
C. COVER SYSTEM – EXTE	RIOR INSPECTION				
	L	of the Site.			
m satelle and improper	Ill of the naved area	es (concrete and asphalt) of the site and under planton			
Z. Walk and increes	of the unnaved a	reas of the Site including artificial turf field.			
	1				
	inficant cracks sett	lement, or deterioration of the paved areas? (Y/N) NO			
* Are there any signs of sign	Initidate Cracks, Sect	oved3 (V/N)			
* Has any of the pavemen	material been rem	and areas (tire tracks rutting, etc.)? (Y/N)			
* Are there signs of vehicu	lar use on the unpa	ved areas (tire tracks, rutting, etc.)? (Y/N)			
* Have any structures bee	n constructed on the	e unpaved areas? (Y/N)			

* A the envisions of soil w	ashing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of son w	ive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) No.
* Are there any signs of intrus	ive activities (drilling, digging, trenching, grading, excession, a
* Comments: Foot bal	I field level near bleachers soilis
Ly 2 vilage	bleachers
<del>- (1001) 3</del>	
D. REPAIRS	
	eted repairs to the Engineering Controls Replace Flex Joint
* Summarize needed/ comple	ted repairs to the Engineering Controls Replace File Sorri
Cloth for EP	H-EF6
`	
	Inspector's Signature: Abe A Livera J
•	Inspector's Signature: 150 671 July 100

a division form
Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451
nspector's Name: Robert Rivera In Weather Conditions: Sunny Air Temperature (°F): 65°F
Air Temperature (°F): 65 F
nspection Time: 10.00 am
10000000
Comments:
A. SSDS SYSTEM INSPECTION
1. Walk the entire roof surface of the school buildings.
* Inspect fan stack guy wires Yes all fan stack guy wires gre ok proper by tighter
the standard Nilland Alexander Nilland Control of the Nilland Contro
1111 I I - holt 1 /2 / 1   1 /2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /
EF-5: - 4.8 inches of water EF-6: - 5.1 inches of water
s with the case and rusty condition Y 5
1. 6
* Is the Building Management System monitoring the 3505 land the system working condition. \(\frac{1}{2}\) \(\
* Confirm that a spare fan is bearings are completely filled with grease/lubricant.  * Confirm that the spare fan is bearings are completely filled with grease/lubricant.  * Confirm that the spare fan is bearings are completely filled with grease/lubricant.
* Confirm that the spare fan's bearings are completely fined with greecy that the spare fan's bearings are completely fined with greecy that the spare fan's bearings remain lubricated. \( \sigma \sigma \)
* 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? (Y/N)
* Any other visible openings (unintended) in the ground noors: 1770
the floor cracks/openings on the site may.
* Draw approximate location of floor cracks/openings of the crack/opening.
the -f-he crade/opening
* Comments:
TOTAL PROTECTION
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 and under platform.
2. Walk and inspect all of the paved areas (concrete and aspitate) or the other states of the Site including artificial turf field.
2. Walk and inspect all of the unpaved areas of the Site including artificial turf field.  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? (Y/N) NO
* Has any of the pavement material been removed (Y/N)  * Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)  * O
* Are there signs of vertically age of the unpaved areas? (Y/N)  * Have any structures been constructed on the unpaved areas? (Y/N)

* Are there any signs of soil v	washing or erosion (gullies, soil washed out onto the pavement)? (Y/N) 19 0
* Are there any signs of intru	sive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) N
* Comments: Everat	hind ok
Commence: Desired	3
D. REPAIRS	
D. ILLI AIIIO	·
* Summarize needed/ comp	eted repairs to the Engineering Controls
Summarize needed/ comp	CCC I CPGITO CO CITO AUDITOCIONA
`	_
	Inspector's Signature: Sex Swera
	Inspector's Signature: Asher dweld for
	<u> </u>

	Monthly/Severe Condition Inspection Form
	Mott Haven Campus
73	O Concourse Village West, Bronx, New York 10451
- 2	O COllegator amaba arasay
	+ Greenin Weather Conditions: Sunay
171300000	(97).
Inspection Date: 11-10	
Inspection Time: (a : c	· ·
Comments:	:
	*
Department of the second of th	
A. SSDS SYSTEM INSPECTIO	N .
1. Walk the entire roof s	urface of the school buildings.
	y ·
* Inspect fan stack guy wires	Allok
* Inspect fan mounting and	vibration isolators.
* Inspect condition of fan be	t. HI OK DELTS TEXTS OFFICE
* Inspect alignment of fan be	All OR CALGOTTE
* Record vacuum gauge read	ling. EF-1: - 10. O inches of Water EF-2:
- Necora vacania	EF-3: EF-4:
P. C.	EF-5: - \$3.6 EF-6:
* Inspect holts and set screv	vs for tightness and rusty condition.
	La experier curfaces only Remove dust allo glease on motor roasna.
	be custom monitoring the 2010 idila allu idilctioning property.
the Court the more for it	stored in a designated secure location and in working condition
the second secon	Ve hearings are completely filled with grease/hubitcarts.
* Potate the fan wheel of th	le spare fan several times to ensure that bearings remain leasternam
* Comments (See or hear a	vthing unusual?):
Comments (see or ness a	
B. COVER SYSTEM - BOTT	DM FLOOR INSPECTION
1. Walk all of the botto	m floors.
1. Walk all of the botte	1
* A vicible cracks or deni	essions in the ground floors? (Y/N)
# A unthor visible opening	k (unintended) in the ground hoors: (1713)
* Any other visible opening	do of floor cracks/openings on the site map.
* Note the length of the cr	dck/opening
* Note the width of the cra	ck/opening
	cky opermiss:
* Comments:	
C. COVER SYSTEM - EXT	EDIOR INSPECTION
1	All And an ada and an all an a
	In _fab_ mayod areas (concrete and abbildity of the view of the contract of th
2. Walk and inspect	all of the unpaved areas of the Site including artificial turf field.
	phificant cracks, settlement, or deterioration of the paved areas? (Y/N)
* Has any of the pavemen	t material been removed? (Y/N)  ilar use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)  O
* Are there signs of vehice	en constructed on the unpaved areas? (Y/N)
* Have any structures bee	n constructed on the unpaved dicast (1774)

	ching or erosion (gullies, soil washed out onto the pavement) ( (7/N)
* Are there any signs of soil wa	shing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intrusi	re activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments:	
**************************************	
D. REPAIRS	
1 1 -1 -1	and remains to the Engineering Controls
* Summarize needed/ comple	red repairs to the Engineering Controls
Flex doth	DEPCACES. JULIANIA CONTRACTOR
for seplacemen	of Har Time Crucks Fifted as request
	les avound floor
inside inter	100 danner
,	
	Inspector's Signature:
	Higheren a albuman and a second a second and

	Monthly/Severe Condition Inspection Form	
Mott Haven Campus		
	730 Concourse Village West, Bronx, New York 10451	
Inspector's Name: Police	of Rivera In Weather Conditions: Mastly Clear	
Inspection Date: 12-4	4-17 Air Temperature (°F):	
	5 pm	
Comments: Everyth.	na OK	
,		
A. SSDS SYSTEM INSPEC	TION	
	of surface of the school buildings.	
To ARGIN THE CHAIRCA	bi surface or the sensor sensor.	
* Inspect fan stack guy w	res. Tighten & Jam Wives on EFIEEF2. All Guy wives ove OK.	
* Inspect fan mounting ar	d vibration isolators. Yes all fan maunteil & Vibration isolator we ok	
* Inspect condition of far	belt. Yes all ax75 belts are in good condition	
* Inspect alignment of far	belt. Yes all fumbelts are property align	
* Record vacuum gauge r		
INCOOR STATE	EF-3: -3.8 EF-4: -13.5	
	EF-5: -3, 6 EF-6: -8, 0	
* Inspect bolts and set so	rews for tightness and rusty condition.	
	Clean exterior surfaces only. Remove dust and grease on motor housing. Ve >	
	ment System monitoring the SSDS fans and functioning properly? (Y/N) $>$	
	is stored in a designated secure location and in working condition. $\sqrt{e}$	
	fan's bearings are completely filled with grease/lubricant. $\checkmark e >$	
	fithe spare fan several times to ensure that bearings remain lubricated.	
	ranything unusual?): Everything ok	
Comments (122	Tanyung unusuan).	
B. COVER SYSTEM - BC	TTOM FLOOR INSPECTION	
1. Walk all of the bo		
Mar 4 4 4 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1	10013.	
* Anv visible cracks or de	pressions in the ground floors? (Y/N) Yes CSOT, CS4, C86, C59 (20	
* Any other visible openi	rgs (unintended) in the ground floors? (Y/N) NO	
	tion of floor cracks/openings on the site map. N /A	
* Note the length of the		
* Note the width of the		
4		
annual insi	thing ok cracks was noted by Husan (ATC) during	
C. COVER SYSTEM – EX		
	the entire perimeter of the Site.	
	t all of the paved areas (concrete and asphalt) of the Site and under platform.	
3. Walk and inspec	t all of the unpaved areas (concrete and asphalt) of the Site and under platform.	
as grain and mobile	tall of the unpaved areas of the Site including artificial turf field.	
* Are there any signs of	innificant cracks cottlement or detectors.	
* Has any of the naveme	significant cracks, settlement, or deterioration of the paved areas? (Y/N) N $\varrho$ nt material been removed? (Y/N) $\sim$	
* Are there signs of vehic	nt material been removed? (Y/N) NO	
* Have any structures he	cular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N) NO	
TidyC arry structures be	en constructed on the unpaved areas? (Y/N) No	

* Are there any signs of soil was	thing or erosion (gullies, soil washed out onto the pavement)? (Y/N) NO
	a activities (drilling digging, frenching, grading, excavating, etc.): \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	L CASE COOK CON FIRM TO THE CONTROL TO THE TOTAL TO THE CONTROL TH
* Comments: NAPCA 40 P	sines grass spots proventive maintenante
2016 to All IN MI	SSIMES THAT PRESCRIPTION
D. REPAIRS	
* commerce needed/ complet	ed repairs to the Engineering Controls
	a classic of Concillation of the contract of t
ac noted with CPM	ld level. Need to replace flex cloth on EF4CEG
Grass seeds on the	Id level, weed to replace They can be to
The collecte Val	thurs guage on BPH all SSDS Fans.
Need to replie	
	A. A schredge of
ı	nspector's Signature: Alva Alvera
I	

	Monthly/Severe	Condition Inspection Form
	Mott	Haven Campus
	730 Concourse Village	West, Bronx, New York 10451
•		
Inspector's Name: Robe	rt Rivera Ja	Weather Conditions: Clandy
Inspection Date: 1-2	0-18	Air Temperature (°F): – 6°
Inspection Time: [ ]:	oan.	
Comments: Every	mine OK	
3		
		•
A. SSDS SYSTEM INSPECT	ION	
1. Walk the entire roof	1	buildings.
	# *	
* Inspect fan stack guy wire	s. Tichten sw	ywires on SSBS I BLOGA ROOM. All DK
		Yes all tan mounted & Ulbration isolaboro
* Inspect condition of fan b		
* Inspect alignment of fan	T	
* Record vacuum gauge re		inches of water EF-2: - H inches of water
	EF-3:	inches of water EF-4: - 4.8 inches of water
		inches of water EF-6: - 3.0 inches of water
* Inspect bolts and set scre		
		only. Remove dust and grease on motor housing. o
		the SSDS fans and functioning properly? (Y/N)
		ed secure location and in working condition.
		letely filled with grease/lubricant.
		mes to ensure that bearings remain lubricated. 🧡 e 🦠
* Comments (See or hear a	· · · · · · · · · · · · · · · · · · ·	
B. COVER SYSTEM – BOT	OM FLOOR INSPECTI	ON
1. Walk all of the botto	om floors.	
		·
* Any visible cracks or dep	essions in the ground	floors? (Y/N) N 0
* Any other visible opening	(unintended) in the	
* Draw approximate location	on of floor cracks/ope	
* Note the length of the cr	ack/opening.	No
* Note the width of the cra	ck/opening.	N O
* Comments:		No
C. COVER SYSTEM - EXTE	RIOR INSPECTION	
<ol> <li>Walk and inspect t</li> </ol>	he entire perimeter o	of the Site.
2. Walk and inspect a	I of the paved areas	(concrete and asphalt) of the Site and under platform.
3. Walk and inspect a	l of the unpaved are	as of the Site including artificial turf field.
		ment, or deterioration of the paved areas? (Y/N)
* Has any of the pavement		
		d areas (tire tracks, rutting, etc.)? (Y/N)
* Have any structures beer	constructed on the u	Inpaved areas? (Y/N) N O

* Are there any signs of soil w	ashing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intrus	ive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) いっ
* Comments:	
·	
D. REPAIRS	•
* Cummariza needed/ comple	ted repairs to the Engineering Controls
Ell a all ha	Wine are all a with concrete Replace Vacyum
CALLY A S OC	SSDS For systems 1-b. Flox cloth still need
Colores de	W/O = 00678445
- replacements	14472
`	
	Inspector's Signature: Shuk duran
The state of the s	Inspector's Signature: 48 M AWOOD

	Monthly/Severe Condition Inspection Form		
Mott Haven Campus			
730 Concourse Village West, Bronx, New York 10451			
-			
Inspector's Name: Rober	FRIVERS TO Weather Conditions: Cloudy		
Inspection Date: 2-6	AV .		
1	opm		
Comments:			
A. SSDS SYSTEM INSPECTION	DN		
1	surface of the school buildings.		
* Inspect fan stack guy wire	All ok		
* Inspect fan mounting and			
* Inspect condition of fan be			
* Inspect alignment of fan b			
* Record vacuum gauge rea			
	EF-3: - 4 inches of water EF-4: - 4.8 inches of water		
	EF-5: Inches of water EF-6: = .3.0 inches of water		
* Inspect holts and set screy	ws for tightness and rusty condition.		
	an exterior surfaces only. Remove dust and grease on motor housing.		
	nt System monitoring the SSDS fans and functioning properly? (Y/N) \(\forall e \le \)		
	stored in a designated secure location and in working condition.		
	's bearings are completely filled with grease/lubricant.		
	e spare fan several times to ensure that bearings remain lubricated.		
* Comments (See or hear ar			
Comments (See of Hear ar	lything unusuals /.		
B. COVER SYSTEM – BOTT	OM ELOOP INSPECTION		
1. Walk all of the botto			
1. Walk all of the botto	11 110015.		
* Any visible cracks or denre	essions in the ground floors? (Y/N)		
	(unintended) in the ground floors? (Y/N)		
	of floor cracks/openings on the site map.		
* Note the length of the cra	The trade cracky openings on the steet map.		
* Note the width of the crac	xyopening. 190		
* Comments:			
	PLOD INCOPERTION		
C. COVER SYSTEM – EXTE			
	he entire perimeter of the Site.		
	of the paved areas (concrete and asphalt) of the Site and under platform.		
3. Walk and inspect a	of the unpaved areas of the Site including artificial turf field.		
* Are there any signs of sign	ificant cracks, settlement, or deterioration of the paved areas? (Y/N) Yes		
	material been removed? (Y/N) NO		
	ar use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)		
	constructed on the unpaved areas? (Y/N)		
Have ally structures Deell	Comprised Off Fire disputed of Coo. 117.11		

* Are there any signs of soil	washing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intr	usive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments:	
D. REPAIRS	
* Summarize needed/.comp	leted repairs to the Engineering Controls
Flex cluth	heed replacement.
`	1/2/-
	Inspector's Signature: 1807 700000

	Monthly/Severe (	Condition Inspection Form	
		Haven Campus	
-	30 Concourse Village	West, Bronx, New York 10451	_
•			
Inspector's Name: 405e	+ Rivera Jr	Weather Conditions: Mostly Clear	32
Inspection Date: 3-1	5-18	Air Temperature (°F): 42	
Inspection Time: 11:0	own		į
Comments:			
A. SSDS SYSTEM INSPECT	ON		
1. Walk the entire roof	2	buildings.	
	178	· · · · · · · · · · · · · · · · · · ·	
* Inspect fan stack guy wire	s. A11	OK	····
* Inspect fan mounting and	vibration isolators.	Allok	
* Inspect condition of fan b		All OK	
* Inspect alignment of fan		Allok	
* Record vacuum gauge rea			thes 61 woder
		O jaches of water EF-4: - 1-1.0 incl	<u>ves of wo</u> der
R. C.	1	0 inches at wwwefer-6: - 3. 1) inch	es of witer
* Inspect bolts and set scre			g. All o
* Inspect for cleanliness. Cl	ean exterior surfaces	only. Remove dust and grease on motor housing	
* Is the Building Managem	ent System monitoring	g the SSDS fans and functioning properly? (Y/N)	705
* Confirm that a spare fan	s stored in a designati	ed secure location and in working condition.	Yes
* Details the spare fa	n s pearings are comp	pletely filled with grease/lubricant. Imes to ensure that bearings remain lubricated.	
* Comments (See or hear a	1	mies to ensure that bearings remain high cated.	
Comments (see or near a	mything unusuali).		
B. COVER SYSTEM – BOT	OM FLOOR INSPECTI	ON	
1. Walk all of the botto			
as would all of the both	1	•	
* Any visible cracks or dep	essions in the ground	floors? (Y/N)	No
* Any other visible opening			NO
* Draw approximate locati			N/a_
* Note the length of the cr			No_
* Note the width of the cra			No
* Comments:			No
C. COVER SYSTEM - EXT	RIOR INSPECTION		
1. Walk and inspect	the entire perimeter o	of the Site.	
	b ,		
2. Walk and inspect	all of the paved areas	(concrete and asphalt) of the Site and under p	latform.
<ol> <li>Walk and inspect</li> <li>Walk and inspect</li> </ol>	all of the paved areas	(concrete and asphalt) of the Site and under pleas of the Site including artificial turf field.	olatform.
3. Walk and inspect	all of the paved areas all of the unpaved are	(concrete and asphalt) of the Site and under peas of the Site including artificial turf field.	
3. Walk and inspect  * Are there any signs of signs.	all of the paved areas all of the unpaved are infficant cracks, settle	(concrete and asphalt) of the Site and under peas of the Site including artificial turf field.  ment, or deterioration of the paved areas? (Y/)	N) Yes
Walk and inspect      * Are there any signs of signs any of the pavement  * Has any of the paveme	all of the paved areas all of the unpaved are unificant cracks, settle t material been remov	(concrete and asphalt) of the Site and under peas of the Site including artificial turf field.  ment, or deterioration of the paved areas? (Y/Ved? (Y/N)	N) Yes
Walk and inspect      * Are there any signs of signs any of the pavement  * Has any of the paveme	all of the paved areas all of the unpaved are inificant cracks, settle t material been removiar use on the unpave	concrete and asphalt) of the Site and under peas of the Site including artificial turf field.  ment, or deterioration of the paved areas? (Y/W/W/O/O/O/O/O/O/O/O/O/O/O/O/O/O/O/O/O/	N) Yes

3-15-18

* Are there any signs of soil	washing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
	usive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO.
* Comments:	
4.0	
D. REPAIRS	
* Summarize needed/ comp	leted repairs to the Engineering Controls
	th need replacement
	7.19 Table 1.10 Table
_	
	Incompany of the state of the s
	Inspector's Signature: The American

	Monthly/Severe Condition Inspection Form
	Mott Haven Campus
	730 Concourse Village West, Bronx, New York 10451
Inspector's Name: Robe	+ Kivera JN Weather Conditions: Cloudy
	≤ -1 % Air Temperature (°F): 50°
Inspection Time: 100	
Comments:	
A. SSDS SYSTEM INSPECT	<b>1</b>
1. Walk the entire roo	surface of the school buildings.
all to the same of	
* Inspect fan stack guy wir	
	vibration isolators. All OK
* Inspect condition of fan b	
* Inspect alignment of fan	belt. All DK Belts AX25
* Record vacuum gauge re	31 400.54
	EF-3: - 4 inches of water EF-4: - I inches of water
	EF-5: - 4 inches of water EF-6: - 3 inches of worker
	ws for tightness and rusty condition.
	ean exterior surfaces only. Remove dust and grease on motor housing.
	ent System monitoring the SSDS fans and functioning properly? (Y/N)
	stored in a designated secure location and in working condition.
	n's bearings are completely filled with grease/lubricant.
	he spare fan several times to ensure that bearings remain lubricated. $\forall e$ 5
* Comments (See or hear a	hything unusual?):
B. COVER SYSTEM - BOT	
1. Walk all of the botto	m floors.
	essions in the ground floors? (Y/N) NO
	s (unintended) in the ground floors? (Y/N) No
	n of floor cracks/openings on the site map.
* Note the length of the cr	
* Note the width of the cra	
* Comments:	NU
C. COVER SYSTEM – EXTE	
_	he entire perimeter of the Site.
_	of the paved areas (concrete and asphalt) of the Site and under platform.
3. Walk and inspect a	I of the unpaved areas of the Site including artificial turf field.
* Are there any signs of sig	nificant cracks, settlement, or deterioration of the paved areas? (Y/N)
	material been removed? (Y/N)
	ar use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
	constructed on the unpaved areas? (Y/N)

4-18-14

* Are there any signs of soil	washing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of inti	usive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) No
* Comments:	·
-	
D. REPAIRS	
* Summarize needed/ comp	leted repairs to the Engineering Controls
do	eed replacement. Black Top pave
area alone	Emergency access fire lane near MTA
	ear sewer drain crack unsettled
`	
	Inspector's Signature: Ashert Surron

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451
Inspector's Name: Robert Rivers tro Weather Conditions: Clear
Inspection Date: 5 - X - 18 Air Temperature (°F): 66
Inspection Time: 10:00 am
Comments:
A. SSDS SYSTEM INSPECT ON
1. Walk the entire roof surface of the school buildings.
* Inspect fan stack guy wires. All or
* Inspect fan mounting and vibration isolators. All ok
* Inspect condition of fan belt.
*Inspect alignment of fan belt. All ox belts Ax 25
* Record vacuum gauge reading. EF-1: - 4 nches of water EF-2: - 4 nches of water
EF-3: - 4 nohes of wyter EF-4: - 4 nohes of water
* Inspect bolts and set screws for tightness and rusty condition.
* Inspect bolts and set screws for tightness and rusty condition.   * Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All Ole
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N)
* Confirm that a spare fan is stored in a designated secure location and in working condition. $\sqrt{e}$
* Confirm that the spare fam's bearings are completely filled with grease/lubricant.
* Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Ves
* 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? (Y/N)
With Applies of group of group to the street of court was and it also
* Any other visible openings (unintended) in the ground floors? (Y/N)  * Draw approximate location of floor cracks/openings on the site map.
Dian approximate roads and approximate and app
Note the Wilder of the State of
*Comments:
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 and under platform.
3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.
* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N) >/e>
* Has any of the pavement material been removed? (Y/N)
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
* Have any structures been constructed on the unpaved areas? (Y/N)

	Monthly/Severe Condition Inspection Form
• •	Mott Haven Campus
14.	730 Concourse Village West, Bronx, New York 10451
Inspector's Name: Robe	rt Kiver Sa Weather Conditions: Sunny
Inspection Date: 06	Air Temperature (°F): 72°
Inspection Time: 1:	oopm.
Comments:	
A. SSDS SYSTEM INSPECT	
1. Walk the entire roof	surface of the school buildings.
COMMISSION AND A STATE OF THE S	
* Inspect fan stack guy wire	
* Inspect fan mounting and	
* Inspect condition of fan b	
* Inspect alignment of fan * Record vacuum gauge rea	
Record vacuum gauge rea	ding. EF-1: EF-2: EF-4:
sease cons	EF-5: EF-6:
# Inspect holts and set scre	ws for tightness and rusty condition.
	ean exterior surfaces only. Remove dust and grease on motor housing. 1911 o
	ent System monitoring the SSDS fans and functioning properly? (Y/N)
	s stored in a designated secure location and in working condition.
	n's bearings are completely filled with grease/lubricant.
u	he spare fan several times to ensure that bearings remain lubricated.
* Comments (See or hear a	
B. COVER SYSTEM - BOT	OM FLOOR INSPECTION
1. Walk all of the botto	m floors.
	essions in the ground floors? (Y/N)
	(unintended) in the ground floors? (Y/N)
	on of floor cracks/openings on the site map. $N/B$
* Note the length of the cra	
* Note the width of the cra	
* Comments:	No.
C. COVER SYSTEM – EXTE	RIOR INSPECTION
j	he entire perimeter of the Site.
#	of the paved areas (concrete and asphalt) of the Site and under platform.
<del>-</del>	of the unpaved areas of the Site including artificial turf field.
No.	
* Are there any signs of sig	nificant cracks, settlement, or deterioration of the paved areas? (Y/N)
1	material been removed? (Y/N) N O
* Are there signs of vehicul	ar use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
* Have any structures been	constructed on the unpaved areas? (Y/N) N D

06-05-18

* Are there any signs of soil	washing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intr	usive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO.
* Comments:	
122 L	
D. REPAIRS	
	eleted repairs to the Engineering Controls
PIEX CIOLL	need replacement Black TOP Pave area
	near sevier cap, BMS 15 down need
- repair	,
	·
	V. Committee of the com
	Inspector's Signature: The Liveron
San distribution	mspector sugardance with the sugar s

	Monthly/Severe Condition Inspection Form	
	Mott Haven Campus	- 1
	730 Concourse Village West, Bronx, New York 10451	
Inspector's Name: (Labo	ertkivera on Weather Conditions: Mostly Clouds	<del>4</del>
Inspection Date: クオ	-26-16 Air Temperature (°F): %5	_
Inspection Time: 11:	Doam	
Comments:		
A. SSDS SYSTEM INSPECT	ON	
1. Walk the entire roo	surface of the school buildings.	Į.
	· ·	
* Inspect fan stack guy wir		
* Inspect fan mounting and		
* Inspect condition of fan I		
* Inspect alignment of fan		
* Record vacuum gauge re	450	<del></del>
	EF-3: -5 EF-4: -4 EF-6: -3	
* Incoact holts and set ser	ews for tightness and rusty condition.	<del></del>
	epro for tightness and fasty condition.	MOKI
		es No
		es
		es
	the spare fan several times to ensure that bearings remain lubricated. 🤍	<u>e</u>
* Comments (See or hear	anything unusual?):	
3	TOM FLOOR INSPECTION	
1. Walk all of the bott	om floors.	
	processors in the ground floors? (Y/N)	
	ressions in the ground floors: (1774)	
	igs (unintended) in the ground floors? (Y/N)  No  No  No  No  No  No  No  No  No	<u></u>
* Note the length of the ci		
* Note the width of the cr	(detty obetimity)	
* Comments:	No	
C. COVER SYSTEM - EXT	ERIOR INSPECTION	
	the entire perimeter of the Site.	
2. Walk and inspect	all of the paved areas (concrete and asphalt) of the Site and under platfo	rm.
3. Walk and inspect	all of the unpaved areas of the Site including artificial turf field.	
* Are there any signs of si	grificant cracks, settlement, or deterioration of the paved areas? (Y/N)	2
* Has any of the pavemen	at material been removed? (Y/N)	
	ular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)	
* Have any structures bee	en constructed on the unpaved areas? (Y/N)	

Monthly/Severe Condition Inspection Form
Mott Haven Campus
730 Concourse Village West, Bronx, New York 10451
Inspector's Name: Robert Kivera in Weather Conditions: Mostly Sunny
Inspection Date: 08/17/18 Air Temperature (°F): 75°
Inspection Time: 9:00 am
Comments:
A. SSDS SYSTEM INSPECTION
1. Walk the entire roof surface of the school buildings.
2. Walk the entire 1001 sai face of the school ballangs.
* Inspect fan stack guy wires. All OK
* Inspect fan mounting and vibration isolators. A)\ O\C
* Inspect condition of fan belt. All OF
* Inspect alignment of fan belt. All OK
*Record vacuum gauge reading. EF-1:
EF-3: - \ EF-4: - \
EF-5: - EF-6: - 3
* Inspect bolts and set screws for tightness and rusty condition. All ok
* Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. All ox
* Is the Building Management System monitoring the SSDS fans and functioning properly? (Y/N) No
* Confirm that a spare fan is stored in a designated secure location and in working condition.
* Confirm that a 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?):
Comments (see of near arything unusuary).
B. COVER SYSTEM – BOTTOM FLOOR INSPECTION
1. Walk all of the bottom floors.
* Any visible cracks or depressions in the ground floors? (Y/N)
* Any other visible openings (unintended) in the ground floors? (Y/N)
* Draw approximate location of floor cracks/openings on the site map.
* Note the length of the crack/opening.
* Note the width of the crack/opening.
* Comments:
Commence
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 and under platform.
3. Walk and inspect all of the unpaved areas of the Site including artificial turf field.
3. Walk and inspect of the disperse areas of the site
* Are there any signs of significant cracks, settlement, or deterioration of the paved areas? (Y/N)
* Has any of the pavement material been removed? (Y/N)
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? (Y/N)
* Have any structures been constructed on the unpaved areas? (Y/N)
* Have any structures been constructed on the unpaved areas: (1714)

* Are there any signs of soil	washing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intr	usive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO
* Comments:	•
12 T	
·	
D. REPAIRS	
* Summarize needed/ comp	leted repairs to the Engineering Controls
Flex cloth o	eeded for replacement Black Top Paver
	near comer case BMS is down need service
	nce is down heed replacement
	Inspector's Signature: Shert Awers
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

	Monthly/Severe Condition Inspection Form
	Mott Haven Campus
	730 Concourse Village West, Bronx, New York 10451
***	· · · · · · · · · · · · · · · · · · ·
Inspector's Name: Rober	+ Rivera In Weather Conditions: Clouder TK
Inspection Date: ()9 -	07-2018 Air Temperature (°F): 78°
	o am
Comments:	
	· - A
A. SSDS SYSTEM INSPECT	ION
1	surface of the school buildings.
* Inspect fan stack guy wir	es. All ok
* Inspect fan mounting and	vibration isolators. All OK
* Inspect condition of fan l	
* Inspect alignment of fan	
* Record vacuum gauge re	
	EF-3: EF-4: - 5
e de la constanta de la consta	EF-5: - EF-6: Defective
* Inspect bolts and set scre	ews for tightness and rusty condition. All OK
* Inspect for cleanliness. C	lean exterior surfaces only. Remove dust and grease on motor housing. Allok
	ent System monitoring the SSDS fans and functioning properly? (Y/N) NO
* Confirm that a spare fan	is stored in a designated secure location and in working condition.
* Confirm that the spare fa	an's bearings are completely filled with grease/lubricant.
* Rotate the fan wheel of t	the spare fan several times to ensure that bearings remain lubricated. 765
* Comments (See or hear a	amything unusual?):
B. COVER SYSTEM - BOT	TOM FLOOR INSPECTION
1. Walk all of the bott	om floors.
*	ressions in the ground floors? (Y/N)
	gs (unintended) in the ground floors? (Y/N)
	on of floor cracks/openings on the site map,
* Note the length of the cr	
* Note the width of the cra	adk/opening. V O
* Comments:	Nane
A ASIER OVETERS FOR	EMAD INCOPOTION
C. COVER SYSTEM – EXT	
-	the entire perimeter of the Site.
, -	al) of the paved areas (concrete and asphalt) of the Site and under platform.
3. Walk and inspect	all of the unpaved areas of the Site including artificial turf field.
# Are there envisions of sign	inficant cracks cottlement or deterioration of the payed areas? (V/N)
	Inificant cracks, settlement, or deterioration of the paved areas? (Y/N)
	t material been removed? (Y/N)
	n constructed on the unpayed areas? (Y/N)
Thave any structures bee	n constructed on the unpaved areas? (Y/N) NO

* Are there any signs of soil	washing or erosion (gullies, soil washed out onto the pavement)? (Y/N)
* Are there any signs of intr	usive activities (drilling, digging, trenching, grading, excavating, etc.)? (Y/N) NO.
* Comments:	· ·
D. REPAIRS	
3 .3	eleted repairs to the Engineering Controls
sever coprece	d Repair, 55DS b Gange need replace
ment. BMS is	down need service
`	
	Inspector's Signature: Sheet Awerry





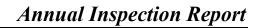
## Attachment 3 Routine and Preventative Maintenance Checklists

				and the state of t
		Routine and Preventative Maintenance Checklist SSDS Fan		
		-18/9:00am		
F	-arpose, female sin-	for every SSDS fan during a biannual inspection,	Completed Y/N	List Any issues or Unusual Behavior
	or for  1. Disconnect, lock out, and ta	any SSDS tall experiences	Yes	Allok
	Check all SSDS fan bearing.		405	All or
	3. Inspect SSDS fan drive belt	for tightness and wear. Adjust/replace if required	727	Allok
DODO Lan mannon	4. Clean/blow down centrifuga	I fan wheel, inlet, fan, and motor housing	Yes	All ok
	5. Grease fan shaft bearing pi	llow blocks	Yes	5555 6 Cloth nee replacement
200	6. Inspect fan inlet and outlet		Yes Yes	All oic
	Inspect fan stack guy wire     Inspect fan mounting and	vibration isolators	Yes	All OLE
No pp	tify the DOE EHS of any fan unit/compo	nent failure. In the event that a fan component fails, the component will uppliers to provide SSDS replacement parts within 12 hours notice. In on-site for immediate replacement in case of fan failure.	be replaced by the event that a	DOE EHS. DOE EHS will make fan unit fails, the fan unit will be rep
_	Inspector's Signature:	Mulduna		

Preform the steps below for every SSDS fan during a biannual inspection, or for any SSDS fan experiencing issues  1. Disconnect, lock out, and tag fan electrical power source  2. Check all SSDS fan bearings  3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required  1. Disconnect, lock out, and tag fan electrical power source  1. Disconnect, lock					
Impactor's Name: Robert Freeze School Control of Seminary and Inspection Determine: Seminary and Inspection Determine: Seminary and Inspection Fan Malfunction (describe). SSDS to Electrical issue.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited fan electrical power source  1. Disconnect, lock out, and tag fan electrical power source  2. Check all SSDS fan bearings  3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required  4. Clean/blow down centrifuge fan wheel, inlet, fan, and motor housing  5. Grease fan shaft bearing pillow blocks  6. Inspect fan inlet and outlet ductwork flex joints  7. Inspect fan stack guy wires  8. Inspect fan stack guy wires  8. Inspect fan muniting and vibration isolators  1. Inspect fan muniting and vibration isolators  1. Inspect fan uniting and vibration isolators  1. Inspect fan will be available de-set for immediate systemment parts whim 12 hours police. In the evert that a fan unit fails, the fan unit will be replaced official in the sevent that a fan component fails. The component will be replaced by DDE EHS. DDE EHS will make proposed the systemment in case of fan failure.  Inspector's Signature:  1. Inspect fan stack guy wires  1. Inspect fan stack guy wires  1. Inspect fan stack guy wires  1. Inspect fan uniting and vibration isolators  1. Inspect fan stack guy wires  1. Inspect fan stack					
Impactor's Name: Robert Freeze School Control of Seminary and Inspection Determine: Seminary and Inspection Determine: Seminary and Inspection Fan Malfunction (describe). SSDS to Electrical issue.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited fan electrical power source  1. Disconnect, lock out, and tag fan electrical power source  2. Check all SSDS fan bearings  3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required  4. Clean/blow down centrifuge fan wheel, inlet, fan, and motor housing  5. Grease fan shaft bearing pillow blocks  6. Inspect fan inlet and outlet ductwork flex joints  7. Inspect fan stack guy wires  8. Inspect fan stack guy wires  8. Inspect fan muniting and vibration isolators  1. Inspect fan muniting and vibration isolators  1. Inspect fan uniting and vibration isolators  1. Inspect fan will be available de-set for immediate systemment parts whim 12 hours police. In the evert that a fan unit fails, the fan unit will be replaced official in the sevent that a fan component fails. The component will be replaced by DDE EHS. DDE EHS will make proposed the systemment in case of fan failure.  Inspector's Signature:  1. Inspect fan stack guy wires  1. Inspect fan stack guy wires  1. Inspect fan stack guy wires  1. Inspect fan uniting and vibration isolators  1. Inspect fan stack guy wires  1. Inspect fan stack					
Impactor's Name: Robert Freeze School Control of Seminary and Inspection Determine: Seminary and Inspection Determine: Seminary and Inspection Fan Malfunction (describe). SSDS to Electrical issue.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited for every SSDS fan during a blemmal inspection.  Preform the deposited fan electrical power source  1. Disconnect, lock out, and tag fan electrical power source  2. Check all SSDS fan bearings  3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required  4. Clean/blow down centrifuge fan wheel, inlet, fan, and motor housing  5. Grease fan shaft bearing pillow blocks  6. Inspect fan inlet and outlet ductwork flex joints  7. Inspect fan stack guy wires  8. Inspect fan stack guy wires  8. Inspect fan muniting and vibration isolators  1. Inspect fan muniting and vibration isolators  1. Inspect fan uniting and vibration isolators  1. Inspect fan will be available de-set for immediate systemment parts whim 12 hours police. In the evert that a fan unit fails, the fan unit will be replaced official in the sevent that a fan component fails. The component will be replaced by DDE EHS. DDE EHS will make proposed the systemment in case of fan failure.  Inspector's Signature:  1. Inspect fan stack guy wires  1. Inspect fan stack guy wires  1. Inspect fan stack guy wires  1. Inspect fan uniting and vibration isolators  1. Inspect fan stack guy wires  1. Inspect fan stack				,	
Semiamulal inspection DeterTime: b-2-1 / 1   Court  Impost: (circle one)		1	ist		
Semiamulal inspection DeterTime: b-2-1 / 1   Court  Impost: (circle one)	Inspector's Name: Robovit	fueva sa			
Preform the steps below for every SSDS fan dring a biannual inspection, or for any SSDS fan experiencing Issues  1. Disconnect, lock out, and tay fan electrical power source  1. Disconnect, lock out, and tay fan electrical power source  2. Check all SSDS fan bearings  3. Inspect SSDS fan bearings  3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required  4. Clean/blow down centrifuge if an wheel, inlet, fan, and motor housing  5. Gresse fan shaft bearing pi low blocks  6. Inspect fan inlet and outlet  4. Inspect fan stack guy wires  8. Inspect fan mounting and vibration isolators  1. Inspect fan mounting and vibration isolators  1. Inspect fan inlet and outlet is described in the component will be replaced by DDE EHS. DOE EHS will make provide arrangements in devance with application provide to minediate replacement from the sevent that a fan unit tails, the fan unit t	Inspection Date/Time: 6-3-	B / 11 000 €			-
Preform the stapes below for every SSDS fan during a blantual inspection, or for any SSDS fan experiencing issues.  1. Disconnect, lock out, and tag fan electrical power source  2. Check all SSDS fan bearings  3. Inspect SSDS fan bearings  3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required  4. Clean/blow down centrifugal fan wheel, inlet, fan, and motor housing  5. Gresse fan shaft bearing pillow blocks  6. Inspect fan inlet and outlet ductwork flex joints  7. Inspect fan stack guy wires  8. Inspect fan mounting and vibration isolators  1. Inspect fan stack guy wires  8. Inspect fan stack guy wires  9. Inspect fan stack guy wires  1. Inspect fan mounting and vibration isolators  1. Inspect fan soverco with suppliers to provide SSDS regionment parts within 12 hours notice. In the event that a fan unit tails, the fan unit will be replaced CE EHS. A space fan will be available dy-side for immediate replacement in case of fan failure.  1. Inspector's Signature:  1. Inspector's Signatur	Purpose: (circle one) Semia	rual Inspection (Fan Malfunction (describe)			
1. Disconnect, lock out, and tag fan electrical power source 2. Check all SSDS fan bearings 3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required 4. Clean/blow down centrifugal fan wheel, inlet, fan, and motor housing 5. Grease fan shaft bearing pillow blocks 6. Inspect fan inlet and outlet ductwork flex joints 7. Inspect fan stack guy wires 8. Inspect fan mounting and vibration isolators 9. The DOE EHS of any fan unifloompoont failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make profite arrangements in advance with appliers to provide SDDS epidecenem parts within 12 hours notice. In the event that a fan unit tails, the fon unit will be replaced by DOE EHS. A space fan will be available on-site for immediate replacement in case of fan failure.  Inspector's Signature:  **The Advance of the failure.**  **The Advance of the failu	Preform the steps be	dw for every SSDS fan during a blannual inspection,		Unusual Behavior	-
2. Check all SSDS fan bearings 3. Inspect SSDS fan drive belt for tightness and wear. Adjust/replace if required 4. Clean/blow down centrifugal fan wheel, inlet, fan, and motor housing 5. Grease fan shaft bearing pi 1 low blocks 6. Inspect fan inlet and outlet ductwork flex joints 7. Inspect fan stack guy wires 8. Inspect fan mounting and vibration isolators 1 ly the DOE EHS of any fan unit/component failure. In the event that a fan component fail, the component will be replaced by DOE EHS. DOE EHS will make portious arrangements in advance with supplicite to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit tails, the fan unit will be replaced by DOE EHS. A space for will be available qu-action from the component of the space for the spacement parts within 12 hours notice. In the event that a fan unit tails, the fan unit will be replaced by DOE EHS. A space for will be available qu-action for the spacement in case of fan failure.  Inspector's Signature:  A.A.A. . A.A.A.A. A.A.A.A. A.A.A.A. A.A.A.A. A.A.A.A.A. A.			Yes	All OK	_
All OF  All OF  All OF  All OF  All OF  All OF  Inspect fan shaft bearing pillow blocks  Inspect fan inlet and outlet ductwork flex joints  Inspect fan mounting and vibration isolators  Inspect fan unit/component failure. In the event that a fan component faile, the component will be replaced by DOE EHS. DOE EHS will make opening a ward on the far will be available on-site for immediate replacement in case of fan failure.  Inspector's Signature:  All OF  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  South next Vegningering  All OF  SSDS & Cloth Flex  SSDS & Cloth Fl	2. Check all SSDS fan bearin	gs	Yes	*	-
4. Clean/blow down centrifugal fan wheel, inlet, fan, and motor housing  5. Grease fan shaft bearing pillow blocks  6. Inspect fan inlet and outlet ductwork flex joints  7. Inspect fan stack guy wires  8. Inspect fan mounting and vibration isolators  15. Inspect fan mounting and vibration isolators  16. Inspect fan mounting and vibration isolators  16. Inspect fan mounting and vibration isolators  17. Inspect fan mounting and vibration isolators  18. Inspect fan mounting and vibration isolators  18. Inspect fan mounting and vibration isolators  19. Inspect fan inspect f	3. Inspect SSDS fan drive be	t for tightness and wear. Adjust/replace if required	Yes	817119	-
5. Grease fan shaft bearing pillow blocks 6. Inspect fan inlet and outlet ductwork flex joints 7. Inspect fan stack guy wires 8. Inspect fan mounting and vibration isolators 9 the DOE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make opriate arrangements in advance with suppliers to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit fails, the fan unit will be replaced DE EHS. A spare fan will be available on-site for immediate replacement in case of fan failure.  Inspector's Signature:  Advancem 37.  Inspector's Signature:  Advancem 37.  Inspector's Signature:  Advancem 37.  Inspector's Signature:  Inspector's Signatu	3. Inspect SSDS fan drive be 4. Clean/blow down centrifu 5. Grease fan shaft bearing	al fan wheel, inlet, fan, and motor housing	Jes		-
6. Inspect fan inlet and outlet ductwork flex joints  7. Inspect fan stack guy wires  8. Inspect fan mounting and vibration isolators  19 the DOE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make opride arrangements in advance with suppliers to provide SSDS replacement, parts within 12 hours notice. In the event that a fan unit fails, the fan unit will be replaced DOE EHS. A spare fan will be available on-site for immediate replacement in case of fan failure.  Inspector's Signature:  1	5. Grease fan shaft bearing	oi low blocks	Yes	Consider Flex	-
8. Inspect fan mounting and vibration isolators  Ty the DDE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DDE EHS. DDE EHS will make opriate arrangements in advance with suppliers to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit fails, the fan unit will be replaced DE EHS. A spare fan will be available on-site for immediate replacement in case of fan failure.  Inspector's Signature:  Awara 3		t ductwork flex joints	Yes	Joint need replacement	ent-
8. Inspect fan mounting and vibration isolators  fly the DOE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make opposite amangements in advance with stypiliers to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit fails, the fan unit will be replaced opposite earn will be available on-site for immediate replacement in case of fan failure.  Inspector's Signature:  Inspector's Signature	7. Inspect fan stack guy wir	25	Yes		_
fly the DOE EHS of any fan unit/component failure. In the event that a fan component fails, the component will be replaced by DOE EHS. DOE EHS will make oppriate arrangements in advance with suppliers to provide SSDS replacement parts within 12 hours notice. In the event that a fan unit fails, the fan unit will be replaced one of the failure.  Inspector's Signature:    Machine   Mach	8 Inspect fan mounting and	vibration isolators	Yes	1411 01-	
	Inspector's Signature;	Ashert Rivera on			

			Routine and Preventative Maintenance Checklist		
			SSDS Fan		
	Ins	pector's Name: Lober			
	Ins	pection Date/Time: 12 -	4-13		•
	Pu	rpose: (circle one) Sem	annual Inspection Fan Malfunction (describe)		
Г		Preform the steps or	pelow for every SSDS fan during a biannual inspection, for any SSDS fan experiencing issues	Completed Y/N	List Any Issues or Unusual Behavior
	1.	Disconnect, lock out, and	tag fan electrical power source	Yes	
KIS.	2.	Check all SSDS fan beari	ngs	Yes	
e Chec	3.	Inspect SSDS fan drive b	elt for tightness and wear. Adjust/replace if required	Yes	
Fan Maintenance Checklist	4.	Clean/blow down centrifu	gal fan wheel, inlet, fan, and motor housing	7es	
Fan Ma	5.	Grease fan shaft bearing	pillow blocks	Ye =	
8308	6.	Inspect fan inlet and outl	et ductwork flex joints	Nes	ssos + flex cloth ssos + flex cloth
	7.	Inspect fan stack guy wir	es <sup>th</sup>	Yes	Tighten SSDS I
	8.	Inspect fan mounting and	vibration isolators	Yes	
appr	opria	ate arrangements in advance with	nent failure. In the event that a fan component fails, the component will be suppliers to provide SSDS replacement parts within 12 hours notice. In the	e replaced by De e event that a fa	OE EHS. DOE EHS will make n unit fails, the fan unit will be replaced
by C	OE		on-site for Immediate replacement in case of fan failure.		
<u> </u>		Inspector's Signature:	Juna Juna		
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				Routine and Preventative Maintenance Checklist	t	
				SSDS Fan		
1		Inspectors		Kueruta		
		Inspection (	Date/Time: 6-0	5-18 1:00 pm		,
		Purpose: (ci		fannual Inspection Fan Malfunction (describe)		
				pelow for every SSDS fan during a biannual inspection, for any SSDS fan experiencing issues	Completed Y/N	List Any Issues or Unusual Behavior
•		1. Discor	nect, lock out, and	tag fan electrical power source	Yes	
	e e	2. Check	all SSDS fan beari	ngs	Yes	
	Fan Maintenance Checklist	3. Inspec	t SSDS fan drive b	elt for tightness and wear. Adjust/replace if required	Yes	
	intenan	4. Clean/	blow down centrift	gal fan wheel, inlet, fan, and motor housing	Yes	
	Fan Me	5. Grease	e fan shaft bearing	pillow blocks	Yes	
	SSDS	6. Inspec	t fan inlet and outl	et ductwork flex joints	Yes	soos 6 & soos 7 flex cloth need
		7. Inspec	t fan stack guy wir	es	Yes	
		8. Inspec	t fan mounting and	vibration isolators	Yes	
	appn	opriate arrang	ements in advance with	nenent failure. In the event that a fan component fails, the component will suppliers to provide SSDS replacement parts within 12 hours notice. In the on-site for immediate replacement in case of fan failure.	be replaced by Di he event that a fa	OE EHS. DOE EHS will make n unit fails, the fan unit will be replaced
			ctor's Signature:	that diversity	-	
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Attachment 4
SSDS Fan Daily Checklist

NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790)
SUB-SLAB DEPRESSURIZATION SYSTEM

	Comments			-colled in emergency																							
IS (X790) IIØN SYSTEM	SSDS Fan #6 Operating (Y/N) - " WC	<b>\</b>	٨	N																							
MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM	SSDS Fan #5 Operating (Y/N) - " WC	Y	٨	<b>/</b>		ч																					
MOTT I	SSDS Fan #4 Operating (Y/N) - " WC	Ŋ	ķ	λ	,																						
1	SSDS Fan #3 Operating (Y/N) - " WC	γ	٨	7				-							re												
6	DS Fan #2 perating /N) - " WC	λ	X	7																	*		,				
June	SSDS Fan #1 Operating (Y/N) - " WC	λ	7	7																		•					
1	Month/ Year/ Day	1	2	3	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

SSDS Fan Daily Checklist

NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790)
SUB-SLAB DEPRESSURIZATION SYSTEM

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Comments				
SSDS Fan #6 Operating (Y/N) - " WC				
SSDS Fan #1         SSDS Fan #2         SSDS Fan #3         SSDS Fan #4         SSDS Fan #5         SSDS Fan #6           Operating         Operating         Operating         Operating         Operating         Operating           (Y/N) - " WC         (Y/N) - " WC         (Y/N) - " WC         (Y/N) - " WC				
SSDS Fan #4 Operating (Y/N) - " WC				
SSDS Fan #3 Operating (Y/N) - " WC				
SSDS Fan #1 SSDS Fan #2 SSDS Fan #3 Operating Operating (Y/N) - " WC (Y/N) - " WC				
SSDS Fan #1 Operating (Y/N) - " WC				
Month/ Year	28	29	30	31

NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM

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	Comments	Greek a cheetred Both						ar .																				
IS (X790) TON SYSTEM	SSDS Fan #6 Operating (Y/N) - " WC	<u></u>	λ,	Ì	À,	λ	Λ,	, Λ	Λ	<u>,</u>	^	λ,	, <u>/</u>	/1./	, Λ	Λ,	<b>/</b> /	, A	$\int_{1}^{\infty} \int_{1}^{\infty} \int_{1$	Λ,	/\	(A)	, />	<i>\( \lambda \)</i>	, Λ	λ,	, h	<b>&gt;</b>
MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM	SSDS Fan #5 Operating (Y/N) - " WC	λ	λ,	Ŋ	٨,	, h	т <b>/</b> Л	Ą	λ,	^	7	, /\	λ,	, //	$\Lambda$ ,	, N	Λ,	, /\	Λ,	, /\	/\ /	, Λ	Λ,	, /\	Λ,	$^{\prime}$	Λ,	<i>/</i>
MOTT H SUB-SLAB D	SSDS Fan #4 Operating (Y/N) - " WC	ý	Á,		λ,	, V ,	À,	Α,	Λ	\(\frac{1}{2}\)	Ŋ	<u>/</u> \)	λ,	, /\	Λ,	, λ.	Λ,	λ,	, /\	λ,	۸,	۸,	, λ	h )	۱, ۸	Λj	, h	<u></u>
,	SSDS Fan #3 Operating (Y/N) - " WC	/	λ,	>	/\	Λį	, / /	٨ ,	A .	, ^	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	, /\	$\Lambda$	, /	Λ,	· , /	Λ,	, /\	/ /	, /\	λ,	), 	λ,	,/\	λ,	, /\	λ,	<u>}</u>
61	SSDS Fan #2 Operating (Y/N) - " WC	$\wedge$	$\frac{1}{I_{l}}$	<i>^</i>	<i>\</i>	·>	<i>)</i> /	ト,	$\triangle$	, N	Λ,	į, į,	٨j	, /\	Λ,	, /\	Λ,	/	$\wedge_{l}$	, N	Λ,	· ,	$\lambda_i$	<i>,</i> /\ ·	۶,	Ų	ζ	$\frac{1}{2}$
May	SSDS Fan #1 Operating (Y/N) - " WC	λ	ý	>	_>	$\rightarrow$	, , ,	, زر	, /	$\wedge$	7	$\dot{\gamma}$	<u> </u>	/\	<u> </u>	$\sim$	$\wedge$	>	Ş	<i>\</i>	À	$\rightarrow$	, V	,\	<i>\</i>	<i>&gt;</i>	<i>&gt;</i>	<b>\</b>
2	Month/ Year/ Day	Ţ.	2	3	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

SSDS Fan Daily Checklist

NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790)
SUB-SLAB DEPRESSURIZATION SYSTEM

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Comments					
SSDS Fan #6 Operating (Y/N) - " WC	<u>\</u>	<u>۲</u>	Ž	(	2
SSDS Fan #5 SSDS Fan # Operating Operating (Y/N) - " WC	<u> </u>	Á	1	人	
SSDS Fan #4 Operating (Y/N) - "·WC	S	Á	h	6	
SSDS Fan #3 Operating (Y/N) - " WC	Ŋ	ļ	^	ζ	
SSDS Fan #1 SSDS Fan #2 SSDS Fan #3 SSDS Fan #4 SSDS Fan #5 SSDS Fan #6 Operating Operating Operating Operating (Y/N) - " WC (Y/N) - " WC (Y/N) - " WC (Y/N) - " WC	λ	ン	$\nearrow$	λ	
SSDS Fan #1 Operating (Y/N) - " WC	7	<b>&gt;</b>	<b>&gt;</b>	<u> </u>	
Month/ Year	28	29	30	31	

NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM

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	Comments				Greased a checked Belts		£.																				
IS (X790) ION SYSTEM	SSDS Fan #6 Operating (Y/N) - " WC	<b> </b>	<b>&gt;</b> >	7	/>	<b>λ</b> ,	<i>k</i>	Á	<b>&gt;</b>	À	<b>&gt;</b>	>	<b>/</b>	K	γ	٨	Á	k	Á	ķ	A	7	ķ	ہ	'n	λ	<u> </u>
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SSDS Fan Daily Checklist

NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790)
SUB-SLAB DEPRESSURIZATION SYSTEM

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NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM

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SSDS Fan Daily Checklist

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SSDS Fan Daily Checklist

NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM

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NEW YORK DEPARTMENT OF EDUCATION SUB-SLAB DEPRESSURIZATION SYSTEM **MOTT HAVEN CAMPUS (X790)** 

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NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM

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SSDS Fan Daily Checklist

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SSDS Fan Daily Checklist

NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM

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NEW YORK DEPARTMENT OF EDUCATION MOTT HAVEN CAMPUS (X790) SUB-SLAB DEPRESSURIZATION SYSTEM

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## Attachment 5 Photographic Documentation



Photo 1: View of BMS, reportedly not operating correctly.



Photo 2: View of patched hairline cracks in Room C86.



Photo 3: View of patched hairline cracks in Room C80J.



Photo 4: View of SSDS fan unit EF-1.



Photo 5: View of typical vacuum gauge associated with SSDS fan unit EF-1.



Photo 6: View of SSDS fan unit EF-5.



Photo 7: View of typical vacuum gauge associated with SSDS fan unit EF-5.



Photo 9: View of damaged flex joint cloth associated with SSDS fan unit EF-6, temporary repairs made.



Photo 11: View of SSDS fan unit EF-4.



Photo 8: View of SSDS fan unit EF-6.



Photo 10: View of typical vacuum gauge associated with SSDS fan unit EF-6.



Photo 12: View of typical vacuum gauge associated with SSDS fan unit EF-4.



Photo 13: Overview of artificial turf.



Photo 15: Area of landscaping previously observed with eroded soiled, reseeded.



Photo 17: Damaged concrete around column on concrete cap area below P.S. 151X.



Photo 14: Area of landscaping previously observed with eroded soiled, reseeded.



Photo 16: Damaged concrete around north manhole on concrete cap area below P.S. 151X.

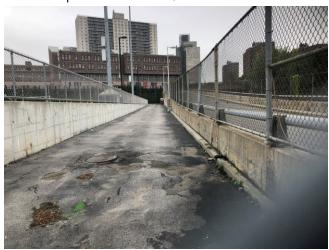


Photo 18: View of damage on the asphalt pavement at the fire lane exit gate.



Photo 19: Repairs completed for compactor concrete pad.

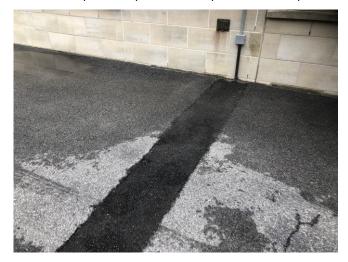


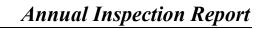
Photo 21: Repairs on asphalt pavement south of Tower D.



Photo 20: Repairs completed for compactor concrete pad.



Photo 22: Repairs on asphalt pavement south of Tower D.





Attachment 6
Annual Inspection Forms

### Monthly/Severe Condition Inspection Form **Mott Haven Campus** 730 Concourse Village West, Bronx, New York 10451 Inspector's Name: Gilbert Gedeon Weather Conditions: Sunny Inspection Date: 6-20-2019 Air Temperature (°F): 79 F Inspection Time: am Comments: Met with Brian Devane, Custodian Engineer SSDS SYSTEM INSPECTION 1. Walk the entire roof surface of school buildings. Inspect fan stack guy wires. Good Inspect fan mounting and vibration isolators. Good Inspect condition of fan belt. All good Inspect alignment of fan belt. All good Record vacuum gauge reading: EF-1: - 4"WC, EF-2:- 4.5"WC, EF-3: - 4"WC, EF-4:- 5"WC, EF-5:- 5"WC, EF-6: -5"W Inspect bolts and set screws for tightness and rusty condition. Good Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. Good Is the Building Management System monitoring SSDS fans and functioning properly? BMS is not working Confirm that spare fan is stored in designated secure location and in working condition.Located in B80 Confirm that the spare fan's bearings are completely filled with grease/lubricant. Good Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Good Comments (see or hear anything unusual?): None **COVER SYSTEM - BOTTOM FLOOR INSPECTION** 1. Walk all of the bottom floors Any visible cracks or depressions in the ground floors? All previously observed cracks have been sealed. 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: None COVER SYSTEM - EXTERIOR INSPECTION (Including area under platform) 1. Walk and inspect the entire perimeter of the Site. YES 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform. YES 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field. YES Are there any signs of significant cracks, settlement, or deterioration of the paved areas? See report Has any of the pavement material been removed? See report Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? See report 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)? See report Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? See report Comments: D. REPAIRS Summarize needed/completed repairs to Engineering Controls: Refer to training acknowledgement for recommendations Inspector's Signature:

### Monthly/Severe Condition Inspection Form **Mott Haven Campus** 730 Concourse Village West, Bronx, New York 10451 Inspector's Name: Gilbert Gedeon Weather Conditions: Cloudy Inspection Date: 9-11-2018 Air Temperature (°F): 77 F Inspection Time: am Comments: Met with Robert Rivero-Fireman SSDS SYSTEM INSPECTION 1. Walk the entire roof surface of school buildings. Inspect fan stack guy wires. Good Inspect fan mounting and vibration isolators. Good Inspect condition of fan belt. All good, except EF-6, need belt replacement Inspect alignment of fan belt. All good, except EF-6, need belt replacement Record vacuum gauge reading: EF-1: - 4"WC, EF-2:- 4"WC, EF-3: - 4"WC, EF-4:- 5"WC, EF-5:- 4"WC, EF-6: N/A Inspect bolts and set screws for tightness and rusty condition. Good Inspect for cleanliness. Clean exterior surfaces only. Remove dust and grease on motor housing. Good Is the Building Management System monitoring SSDS fans and functioning properly? BMS is not working Confirm that spare fan is stored in designated secure location and in working condition.Located in B80 Confirm that the spare fan's bearings are completely filled with grease/lubricant. Good Rotate the fan wheel of the spare fan several times to ensure that bearings remain lubricated. Good Comments (see or hear anything unusual?): None **COVER SYSTEM - BOTTOM FLOOR INSPECTION** 1. Walk all of the bottom floors Any visible cracks or depressions in the ground floors? All previously observed cracks have been sealed. 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: None COVER SYSTEM - EXTERIOR INSPECTION (Including area under platform) 1. Walk and inspect the entire perimeter of the Site. YES 2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site and under platform. YES 3. Walk and inspect all of the unpaved areas of the Site including artificial turf field. YES Are there any signs of significant cracks, settlement, or deterioration of the paved areas? See report Has any of the pavement material been removed? See report Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? See report 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)? See report Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? See report Comments: D. REPAIRS Summarize needed/completed repairs to Engineering Controls: Refer to training acknowledgement for recommendations Inspector's Signature:





Attachment 7
Training Acknowledgment



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

## Annual Training Acknowledgement Engineering Controls Operation and Maintenance

Engineering Controls Operation and Maintenance
Location: X790
Custodian/Fireman: Cust
I, Bnow Devouse, received annual refresher training on Engineering Controls Operation and Maintenance by ATC Group Services, LLC (ATC) on 6/2019. As part of the annual refresher training I conducted a walkthrough with 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.
Signed by: But Dute: 6/20/19 Custodian/Fireman

#### Recommendations:

I. Replace Flex joint sloth on EF-4/EF-b- W/0-00678445

2. Repair BMS/connect to SSDS. Conduct daily checks
and vecord observations in meantime. Wb-00682616

3. Repair concrete traveing around meanboles / col. H281

underneath Bldg 166 and cracked asphalt by

emergency five lane exit. W/015 00722317 d 00712725

4. Confinue conducting daily checks, monthly inspections and routine maintenance, record observations in appropriate forms.

5. remove rust and repaint housing and centrifugeal wheel on all fan units.

6. Replace Fan bearings on EF-6.



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## Annual Training Acknowledgement Engineering Controls Operation and Maintenance

Location:
Custodian/Fireman: Robert Rivero
I, Robert Rivera Jr., received annual refresher training on Engineering Controls Operation and Maintenance by ATC Group Services, LLC (ATC) on Control of the annual refresher training I conducted a walkthrough with 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.
Signed by: Statylores Date: 9/1/8 Custodian/Fireman
Recommendations:
(1) Replace flex joint doth on EF-4/EF-6.
(2) Replace boose belt on EF-6, replace vac. gauge.
(3) Repair BMS / connect to all SEPS Fans.
(4) Repair concrete crucking around manholes/ col. H281
underneath Bldg 156 and by Emergency fire lane access g
(6). Shallow Excavation along last of tower D and along access drive, replace due to re-routing elic. conduit, replace soil and asphalt cap as per actuals in smp. Replace the excavated cover system in kind as per the 5 Mp.





## Attachment 8 Corrective Measures Work Plan and Closure Letter



104 East 25<sup>th</sup> Street, 10<sup>th</sup> FI. New York, NY 10010

Telephone: 212-353-8280 Fax: 212-353-8306

August 29, 2019

Ms. Sondra Martinkat New York State Department of Environmental Conservation Environmental Engineer 2, Environmental Remediation 47-40 21Street Long Island City, New York 11101-5407

Re: Mott Haven Campus PRR for 2018 and 2019 Corrective Measures Work Plan Closure Letter

> Mott Haven Educational Campus (X790) 730 Concourse Village West Bronx, New York, 10451 Project No. Z214YI1126

Dear Ms. Martinkat

On behalf of the New York City Department of Education (DOE), ATC Group Services, LLC (ATC) is providing this Closure Letter addressing the recommendations stated in the Corrective Measures Work Plan (CMWP) dated October 19, 2018 which was submitted with the 2018 Periodic review Report (PRR) for Mott Haven Campus, located at 730 Concourse Village West, Bronx, New York (hereafter referred to as the "Site").

### **Background**

ATC performed the annual inspection on September 11, 2018 for the abovementioned Site, in accordance with the November 2008 Site Management Plan (SMP) at the request of the New York City DOE. While inspecting the cover systems at the site, ATC's inspector, Mr. Gilbert Gedeon, PE, observed the following issues:

- 1. The shallow excavation south of Tower D was reportedly due to a rerouted conduit line from Tower D to a proposed trash compactor to be installed southeast of Tower D. The area of the shallow excavation was approximately 12" by 14' and reportedly 12" deep which impacted approximately 6" of asphaltic pavement and 6" of aggregate.
- 2. The shallow excavation southeast of Tower D was reportedly to install a concrete pad for the proposed trash compactor. The area of the shallow excavation was approximately 30' x 15' and reportedly 12" deep which impacted approximately 6' of asphaltic pavement and 6" of aggregate.



- 3. Moderate cracking of concrete slab and, in some cases, lifting/separation of the concrete slab from the gravel below it was observed in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156 as follows:
  - a. North Manhole cracking and lifting of concrete, approximately 8' x 8' area
  - b. South Manhole cracking and lifting of concrete, approximately 6' x 6' area
  - c. Near Column H281 cracking of concrete, approximately 3' x 3' areas
- 4. Moderate cracking and deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate.
- 5. Slight soil erosion due to vehicular traffic was observed along the grass covered areas East of Tower D.

These observations were reported in ATC's draft Mott Haven Campus Periodic Review Report dated October 24, 2018.

The NYSDEC directed ATC/DOE to develop a Corrective Measures Work Plan (CMWP) to restore the site cover system in the event that excavation activities continued beyond the activities mentioned above. According to the SMP, there is approximately six to ten feet or more of environmental clean fill prior to excavation in those areas affected by excavation activities mentioned above.

A Corrective Measures Work Plan was drafted and submitted recommending that the DOE Contractor shall not perform any deeper excavation activities that will further disturb the Site cover system until authorized by the NYSDEC and DOE. In order for the Contractor to proceed with further excavation work beyond the environmentally clean fill layer, the Contractor will be required to implement SMP required protocols. Finally, for the shallow excavation areas, the Contractor will be required to restore the concrete cap cover system to its original specifications and to the satisfaction of the NYSDEC, DOE and ATC upon completion of all cover repairs.

ATC continued to follow-up with the contractor and the custodial engineer at Mott Haven Campus and kept documentation of the site visits, correspondence, and recommendations. ATC conducted a follow-up inspection on October 19, 2018 to documents the work that had taken place since the annual inspection earlier on September 11, 2018. ATC observed and the custodian reported that the following work had been completed:

• Shallow excavation south of Tower D reportedly due to a rerouted conduit line from Tower D to a proposed trash compactor, southeast of Tower D, had been completed on September 28, 2018, with no further excavation was conducted in this area; According to the SMP, there was approximately six to ten feet or more of environmental clean fill prior to excavation. After the initial excavation, there remains more than four feet of environmental clean fill soil which is in compliance with the minimum requirements of two (2) feet of clean fill stated in Soil Management Plan Section 3.1 within the SMP. The previously excavated area had been backfilled with the same material and the asphalt cover had been restored per the SMP.



• Shallow excavation southeast of Tower D reportedly to install a concrete pad for the proposed trash compactor had been completed in September 28, 2018, with no further excavation was conducted in this area. According to the SMP, there was approximately six to ten feet or more of environmental clean fill prior to excavation. After excavation, there remains more than four feet of environmental clean fill soil which is in compliance with the minimum requirements of two (2) feet of clean fill stated in Soil Management Plan Section 3.1 within the SMP. The previously excavated area had been backfilled with 12" of reinforced concrete, per SMP requirements.

Per subsequent correspondence and the following year's annual inspection on June 20, 2019. The following work had also been completed:

• ATC had observed moderate soil erosion during the 2018 annual inspection along the grass covered areas East of Tower D which had been repaired in March 2019 and were covered with vegetation at the time of the June 20, 2019.

While the composite cover system was impacted by the aforementioned activities to a maximum depth of 12", the impacted areas maintained over four feet of environmental clean fill at the time of the shallow excavation activities. The remaining defects under the platform that supports Public School (P.S.) 151 and former P.S. 156, and near the emergency fire lane exit gate were minor in nature and work orders (w/o 00722317 and w/o 00712725) have been submitted for repairs as part of routine maintenance.

In addition, other minor issues observed during the June 20, 2019 inspection including the replacement of the flex joints for fan units EF-4 and EF-6, and repairing the Building Management System (BMS) also had work orders in progress (w/o 00678445 and w/o 00682616) and are pending repairs. As an interim measure for the BMS, ATC recommended that the custodial staff complete a daily checklist, provided by ATC, for each fan unit until the BMS has been repaired. ATC verified that the checklists are being completed and included copies of the checklists in the 2019 PRR.

ATC concludes that the composite cover system is intact and provides a barrier from direct contact with the underlying soils. ATC also concludes that all repairs to the shallow excavated areas were made per SMP requirements. As such, the CMWP provided was no longer required for the Site.

It is our pleasure to provide our consultative services to the New York State Department of Environmental Conservation. If you have any questions about this letter, please call (212) 353-8280.



Gilbert Gedeon, P.E. Principal Engineer

for ATC Group Services LLC

Direct Line +1 212 353 8280 ext. 239 Email: <u>gilbert.gedeon@atcassociates.com</u>

cc: Y. Efstathiou N Guevara

Attachments: Project Correspondence, Site Drawings and Cross Section Site Maps



104 East 25<sup>th</sup> Street, 10<sup>th</sup> FI. New York, NY 10010

Telephone: 212-353-8280 Fax: 212-353-8306

October 19, 2018

Ms. Sondra Martinkat New York State Department of Environmental Conservation Environmental Engineer 2, Environmental Remediation 47-40 21Street Long Island City, New York 11101-5407

**Re:** Corrective Measures Work Plan

Mott Haven Educational Campus (X790) 730 Concourse Village West Bronx, New York, 10451 Project No. Z214YI1126

Dear Ms. Martinkat

On behalf of the New York City Department of Education (DOE), ATC Group Services, LLC (ATC) is providing this Corrective Measures Work Plan (CMWP) to restore the composite cover system engineering controls at the Mott Haven Campus located at 730 Concourse Village West, Bronx, New York (hereafter referred to as the "Site").

### **Background**

ATC performed the annual site inspection on September 11, 2018, in accordance with the November 2008 Site Management Plan (SMP) at the request of the New York City DOE. While inspecting the cover systems at the site, ATC's inspector, Mr. Gilbert Gedeon, PE, observed the following:

- A shallow excavation south of Tower D was reportedly due to a rerouted conduit line from Tower D to a proposed trash compactor to be installed southeast of Tower D. The area of the shallow excavation was approximately 12" by 14' and reportedly 12" deep which impacted approximately 6" of asphaltic pavement and 6" of aggregate. The excavated area has been backfilled with the same material, however the work has not been completed to date. See Photo # 14 in Attachment # 4.
- The shallow excavation southeast of Tower D was reportedly to install a concrete pad for the proposed trash compactor. The area of the shallow excavation was approximately 30' x 15' and reportedly 12" deep which impacted approximately 6' of asphaltic pavement and 6" of aggregate. The excavated area has been backfilled with 12" of reinforced concrete, however the work has not been completed to date. See Photos # 15 and 16 in Attachment # 4.



- Cracking of concrete slab and, in some cases, lifting/separation of the concrete slab from the gravel below it was observed in three (3) areas under the platform that supports Public School (P.S.) 151 and former P.S. 156 as follows:
  - o North Manhole cracking and lifting of concrete, approximately 8' x 8' area
  - o South Manhole cracking and lifting of concrete, approximately 6' x 6' area
  - o Near Column H281 cracking of concrete, approximately 3' x 3' areas

See Photos # 9 and 10 in Attachment # 4.

The concrete cap cover system includes 8" of gravel and 4" of concrete. No work has been completed to restore the damaged areas of the concrete cap to date.

- Cracking and deterioration of asphalt pavement around the manhole was observed near the emergency fire lane exit gate. See Photo # in Attachment # 4.
- Slight soil erosion due to vehicular traffic was observed along the grass covered areas East of Tower D. See Photo # 11 in Attachment # 4.

Refer to the attached drawings for the composite cover system impact areas.

While the composite cover system was impacted by the aforementioned activities to a maximum depth of 12", the impacted areas have over six (6) feet of environmental clean fill. ATC concludes that the composite cover system is intact and provides a barrier from direct contact with underlying urban soils. Please refer to the Cross-Sectional Drawings A-H attached.

In addition to the shallow excavations, the following issues were identified during ATC's Site visit.

- The BMS is not connected to any of the fan units; and
- Flex joint cloth on fan units EF-4 and EF-6 were observed to be damaged;

These observations were reported in ATC's draft Annual Site Management Report (SMR).

The NYSDEC directed the ATC/DOE to develop a CMWP to restore the site cover system in compliance with the SMP.

## **Corrective Measures Work Plan**

Shallow excavations and defects on the concrete and asphalt cover system:

The Contractor will not perform any work activities that could disturb the Site cover system until authorized by the NYSDEC and DOE. In order for the Contractor to proceed with intrusive work, they will be required to implement SMP-required controls such as a tire wash for trucks leaving the Site and road wetting for dust suppression. The water truck will be equipped with a



water cannon capable of spraying water directly onto stockpiles and into excavations for dust suppression. Soil stockpiled will be kept covered with appropriately anchored tarps when not in use. If the Contractor's work requires soil/waste disposal or importing environmentally clean fill, they will be required to follow the SMP protocols and provide submittals for DOE and ATC review and approval prior to proceeding. Finally, the Contractor will be required to restore the concrete cap cover system to its original specifications and to the satisfaction of the NYSDEC and DOE upon completion of all cover repairs.

# Other Repairs:

Since the BMS is not monitoring the SSDS fans, the custodial staff has been instructed to conduct daily checks on all SSDS fan units. A supplemental form, *SSDS Fan Daily Checklist*, has been provided to the custodial staff to document the daily fan inspections until the BMS is restored. The *SSDS Fan Daily Checklist* is included in Attachment 8.

ATC will provide full time inspection services to verify SMP compliance. After the improvements are completed, all documentation is received, and the Site cover system is restored to its original specifications, ATC will issue a summary Corrective Measures Closure Report to DOE and NYSDEC. ATC's report will summarize the work activities and confirm compliance with the SMP.

It is our pleasure to provide our consultative services to the New York State Department of Environmental Conservation. If you have any questions about this letter, please call (212) 353-8280.

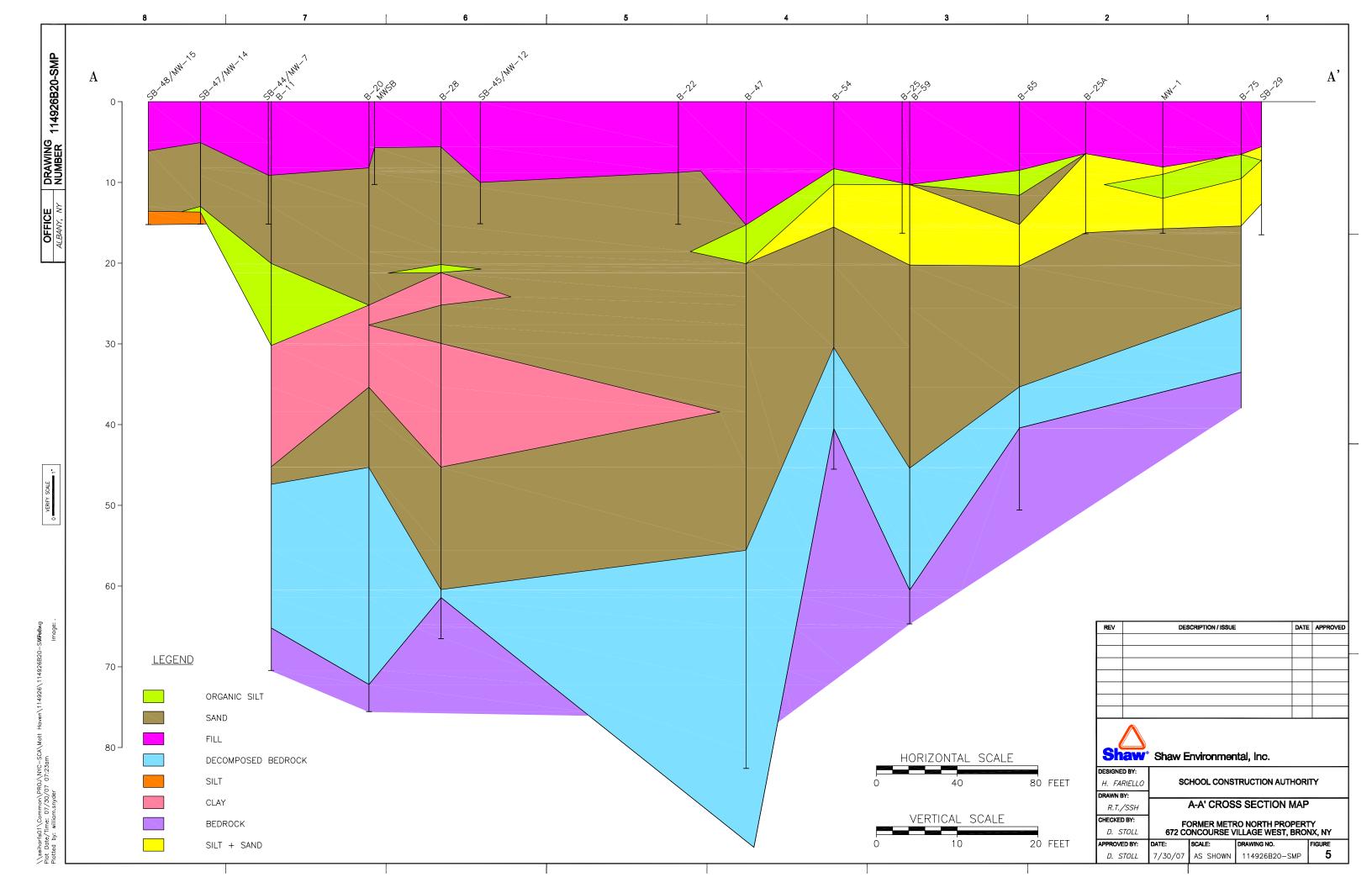
Gilbert Gedeon, P.E. Principal Engineer

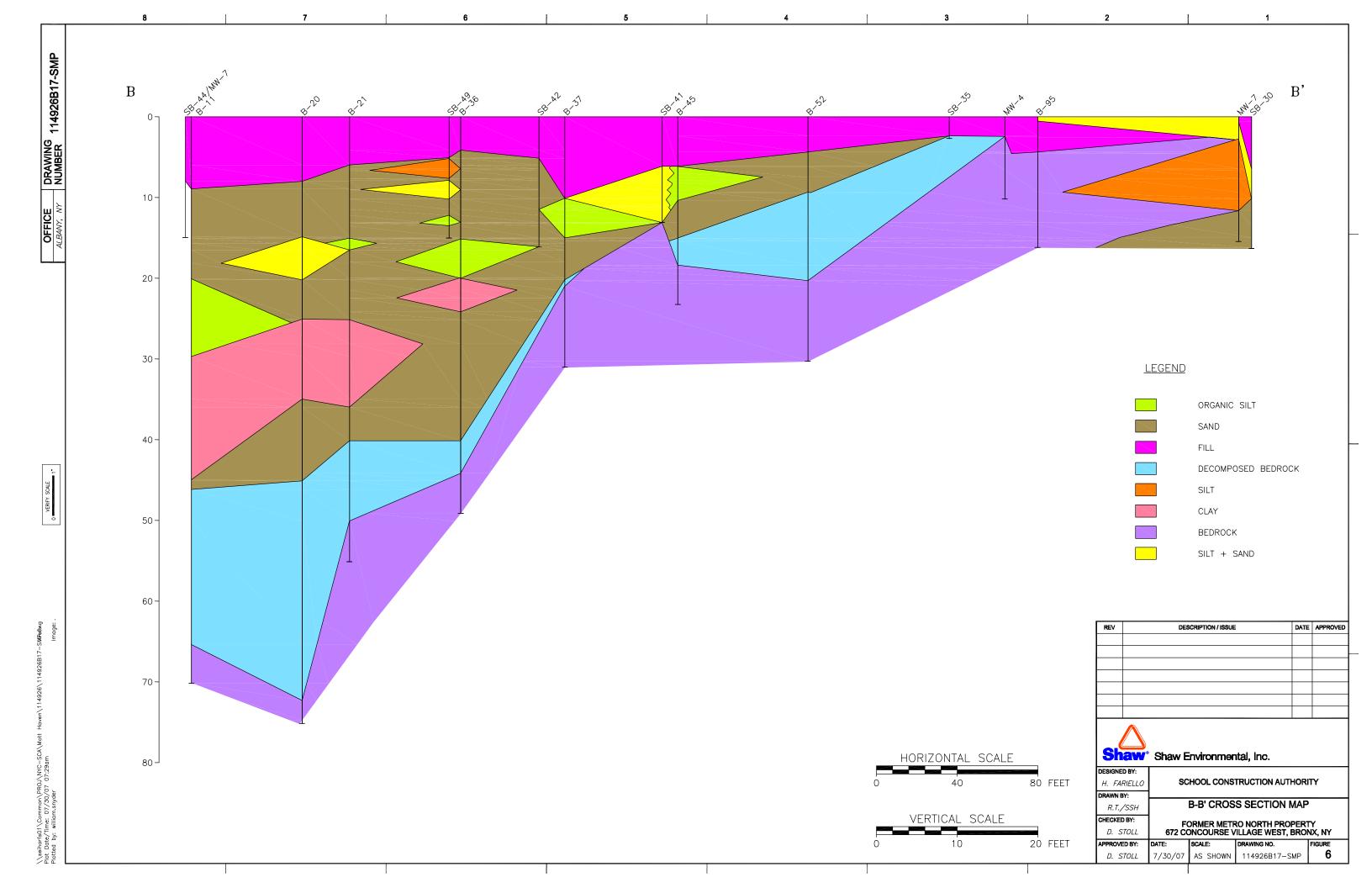
for ATC Group Services LLC

Direct Line +1 212 353 8280 ext. 239 Email: gilbert.gedeon@atcassociates.com

cc: Y. Efstathiou N Guevara

Attachments: Site Drawings and Cross Section Site Maps





# **Nancy Guevara**

From: X790 Custodian <CX790@schools.nyc.gov>
Sent: Thursday, August 01, 2019 7:55 PM

To: Nancy Guevara
Cc: Mcguinness Joshua

**Subject:** [EXTERNAL] Re: Mott Haven - C203030 - PRR

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# Good Evening Nancy,

I will follow up with my DDF on the status for the repair work needed. As of now the work scope listed below is incomplete. The information you ask for over the phone about the completion of the work scope for the compactor installation. The date I have on record is for 9/24/2018.

## Thank you

From: Nancy Guevara <nancy.guevara@atcgs.com>

Sent: Wednesday, July 31, 2019 11:47 AM

To: X790 Custodian <CX790@schools.nyc.gov>

Subject: FW: Mott Haven - C203030 - PRR

Robert.

Take a look at the items below and let me know.

## Items remaining:

1. Repair flex joint on fan units ef-4 and ef-6 (photo 6 and 7) w/o 00678445

2. Repair BMS and connect to fans (photo 1) w/o 00682616

3. Repair shallow areas of cracked concrete cover system around manholes and column H281 under building 156

(photo 9 and 10) w/o 00722317

4. Repair shallow areas of cracked asphalt cover system (around the manhole near the emergency fire lane exit

gate - photo 11) w/o 00712725

Please let us know if you have any questions or if you'd like to discuss via conference call.

Thank you,

Nancy Guevara | Project Manager | ATC Group Services LLC

+1 212 284 0611 | +1 516 455 6157 mobile

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+1 212 35 3 8306 fax | nancy.quevara@atcqs.com | www.atcqroupservices.com

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From: Nancy Guevara

Sent: Wednesday, June 12, 2019 3:14 PM

To: Orlan Bernard <BOrlan@schools.nyc.gov>; 'X790 Custodian' <CX790@schools.nyc.gov>; 'Narayan Ramesh'

<RNarayan@schools.nyc.gov>; 'Mcguinness Joshua' <JMcguinness@schools.nyc.gov>

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>

Subject: FW: Mott Haven - C203030 - PRR

Good afternoon Bernie,

Can you please help us push the recommended repairs remaining at Mott Haven (X790). We have been making these recommendations for a few years now and would like to get them closed out and not attract any more attention from

DEC. Please refer to photo log attached.

Items remaining:

2

- 1. Repair flex joint on fan units ef-4 and ef-6 (photo 6 and 7) w/o 00678445
- 2. Repair BMS and connect to fans (photo 1) w/o 00682616
- Repair shallow areas of cracked concrete cover system around manholes and column H281 under building 156 (photo 9 and 10) w/o 00722317
- 4. Repair shallow areas of cracked asphalt cover system (around the manhole near the emergency fire lane exit gate photo 11) w/o 00712725

Please let us know if you have any questions or if you'd like to discuss via conference call.

Thank you,

Nancy Guevara | Project Manager | ATC Group Services LLC +1 212 284 0611 | +1 516 455 6157 mobile

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+1 212 35 3 8306 fax | nancy.quevara@atcgs.com | www.atcgroupservices.com

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From: Nancy Guevara

Sent: Wednesday, June 12, 2019 2:22 PM

To: 'Martinkat, Sondra (DEC)' <sondra.martinkat@dec.ny.gov>

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>; 'X790 Custodian'

<CX790@schools.nyc.gov>; 'Narayan Ramesh' <RNarayan@schools.nyc.gov>; 'Mcguinness Joshua'

<JMcguinness@schools.nyc.gov>

Subject: RE: Mott Haven - C203030 - PRR

Sondra,

We have been working with custodian to get majority of pending issues solved. ATC will conduct a follow-up at X790 early next week as custodian was on vacation.

As of last correspondence with custodian on June 3, 2019 the following repairs were awaiting approval of work orders.

- 1. Repair flex joint on fan units ef-4 and ef-6 w/o 00678445
- 2. Repair BMS and connect to fans w/o 00682616
- 3. Repair shallow areas of cracked concrete cover system around manholes and column H281 under building 156 w/o 00722317
- 4. Repair shallow areas of cracked asphalt cover system w/o 00712725

Yes please allow an additional 2 weeks to close up remaining minor issues to be completed.

Can you also please forward the PRR request form as well, we did not receive.

Thank you,

Nancy Guevara | Project Manager | ATC Group Services LLC +1 212 284 0611 | +1 516 455 6157 mobile

104 E. 25th Street, 8th Floor | New York, NY 10010-2917

+1 212 35 3 8306 fax | nancy.guevara@atcgs.com | www.atcgroupservices.com

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From: Martinkat, Sondra (DEC) < sondra.martinkat@dec.ny.gov >

Sent: Wednesday, June 12, 2019 11:54 AM

**To:** Nancy Guevara < nancy.guevara@atcgs.com >

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: [EXTERNAL] RE: Mott Haven - C203030 - PRR

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Nancy,

Do you expect that a PRR would be certified by 6/30/2019 or do I need to extend that date out by a week or two? Certification period would be

07/31/2017	06/30/2019

Thanks,

### **Sondra Martinkat**

Environmental Engineer 2, Environmental Remediation

#### **New York State Department of Environmental Conservation**

47-40 21st St, Long Island City, NY 11101

P: 718-482-4891 | F: 718-482-6358 | sondra.martinkat@dec.ny.gov

www.dec.ny.gov | III |





From: Nancy Guevara < nancy.guevara@atcgs.com >

Sent: Friday, May 17, 2019 2:02 PM

To: Martinkat, Sondra (DEC) < sondra.martinkat@dec.ny.gov >

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: RE: Mott Haven - C203030 - PRR

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Sondra,

Will proceed with CMWP.

Thank you,

Nancy Guevara | Project Manager | ATC Group Services LLC +1 212 284 0611 | +1 516 455 6157 mobile

104 E. 25th Street, 8th Floor | New York, NY 10010-2917

+1 212 35 3 8306 fax | nancy.guevara@atcgs.com | https://protect2.fireeye.com/url?k=91401a3d-cd662203-9142e308-000babda0031-ac8a295293a61864&u=http://www.atcgroupservices.com/

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From: Martinkat, Sondra (DEC) < sondra.martinkat@dec.ny.gov>

Sent: Friday, May 17, 2019 12:02 PM

To: Nancy Guevara <nancy.guevara@atcgs.com>

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: [EXTERNAL] RE: Mott Haven - C203030 - PRR

[External Email] This email originated from outside of the ATC mail system. Please use caution when opening attachments.

Nancy, Please send me an update on the site, Mott Haven Campus.

According to the PRR/SMWP, the Site Management Plan survey of depths of the cover system in the particular areas that were shown to have shallow excavation as you described in the PRR were six feet below grade while the excavation was one foot. My understanding is that the site is restored. The site cover was not breached. Please proceed with the CMWP. A PRR request will be issued shortly and an inspection will be required with the certification.

Regarding the use of daily inspections to substitute for BMS malfunctions, this is acceptable in the interim. SMP Modification requests may be submitted to me for review if you wish to modify the SMP to specify such inspections.

#### Sondra Martinkat

Environmental Engineer 2, Environmental Remediation

**New York State Department of Environmental Conservation** 

47-40 21st St, Long Island City, NY 11101

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www.dec.ny.gov | ff |



From: Nancy Guevara < nancy.guevara@atcgs.com >

Sent: Monday, February 11, 2019 4:24 PM

To: Martinkat, Sondra (DEC) < sondra.martinkat@dec.ny.gov >

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: RE: Mott Haven - C203030 - PRR

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Sondra,

Pending reply from the DOE. Will update you as soon as we hear back.

Thank you,

Nancy Guevara | Project Manager | ATC Group Services LLC

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From: Martinkat, Sondra (DEC) <sondra.martinkat@dec.ny.gov>

Sent: Monday, February 11, 2019 3:12 PM

To: Nancy Guevara <nancy.guevara@atcgs.com>

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: RE: Mott Haven - C203030 - PRR

Is there a schedule to have the BMS fixed to properly monitor the system?

## **Sondra Martinkat**

Environmental Engineer 2, Environmental Remediation

### **New York State Department of Environmental Conservation**

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From: Nancy Guevara < nancy.guevara@atcgs.com >

Sent: Monday, February 11, 2019 2:59 PM

To: Martinkat, Sondra (DEC) < sondra.martinkat@dec.ny.gov >

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: RE: Mott Haven - C203030 - PRR

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Sondra,

We included the following language in the CMWP:

Since the BMS is not monitoring the SSDS fans, the custodial staff has been instructed to conduct daily checks on all SSDS fan units. A supplemental form, SSDS Fan Daily Checklist, has been provided to the custodial staff to document the daily fan inspections until the BMS is restored. The SSDS Fan Daily Checklist is included in Attachment 8.

I have attached a copy of the blank form we sent to the custodial staff at Mott Haven back in October. I have requested copies of the logs since the date of the annual inspection if you would like to review them. Let me know and I will forward when I receive from the custodian.

Let me know if you would like to have a teleconference to discuss.

Thank you,

Nancy Guevara | Project Manager | ATC Group Services LLC +1 212 284 0611 | +1 516 455 6157 mobile

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+1 212 35 3 8306 fax | nancy.guevara@atcgs.com | https://protect2.fireeye.com/url?k=1f6f7e40-4349467e1f6d8775-000babda0031-2d95d27693cd4582&u=https://protect2.fireeye.com/url?k=2491c759-78b7f0fa-24933e6c000babda0106-99e44be1e700a8cc&u=https://protect2.fireeye.com/url?k=9ae1f074-c6c4fc17-9ae309410cc47aa88e08-a074cafaac3bd1cd&u=http://www.atcgroupservices.com/

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From: Martinkat, Sondra (DEC) < sondra.martinkat@dec.ny.gov >

Sent: Monday, February 11, 2019 2:30 PM

To: Nancy Guevara < nancy.guevara@atcgs.com >

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: RE: Mott Haven - C203030 - PRR

Just to clarify – if the BMS is not working properly, we will have to add that to the Corrective Measures Work Plan. We may have a teleconference to discuss if necessary.

Thanks, Sondra

From: Martinkat, Sondra (DEC)

Sent: Monday, February 11, 2019 10:58 AM

To: 'Nancy Guevara' < nancy.guevara@atcgs.com >

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: RE: Mott Haven - C203030 - PRR

Hello Nancy,

Please send me an update on the Building Management System (BMS) at Mott Haven. It was reportedly not communicating with two fans. Has this situation been fixed?

Thanks.

#### Sondra Martinkat

Environmental Engineer 2, Environmental Remediation

### **New York State Department of Environmental Conservation**

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From: Nancy Guevara < nancy.guevara@atcgs.com >

Sent: Friday, October 26, 2018 10:46 AM

To: Martinkat, Sondra (DEC) < sondra.martinkat@dec.ny.gov >

Cc: Gil Gedeon <gilbert.gedeon@atcgs.com>; Orlan Bernard <BOrlan@schools.nyc.gov>

Subject: Mott Haven - C203030 - PRR

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Good morning Sondra,

Please find the Mott Haven - C203030 - PRR attached for your review.

Enclosed you'll find a Corrective Measures Work Plan for the outstanding issues found during the annual inspection.

Please let me know if you have any questions.

Thank you,

Nancy Guevara | Project Manager | ATC Group Services LLC +1 212 284 0611 | +1 516 455 6157 mobile

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