

CERTIFICATION PAGE

For the Monitoring Period July 2022 through July 2023

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

- (a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;*
- (b) nothing has occurred that would impair the ability of such control to protect public health and the environment;*
- (c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;*
- (d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control; and*
- (e) if a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for their intended purpose under the document*



Gilbert Gedeon, P.E.
Principal Engineer

08/18/2023

Date

**ANNUAL SITE MANAGEMENT REPORT
FROM JULY 2022 TO JULY 2023
HIGH SCHOOL FOR CONSTRUCTION TRADES,
ENGINEERING & ARCHITECTURE (Q650)
FORMER ADAMS BRUSH MANUFACTURING SITE
94-02 104TH STREET
OZONE PARK, NY 11416
VCP AGREEMENT # V-00656**

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:



Date of Issue: August 18, 2023

ATC Project No. Z214SS0049

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- Attachment 3: Training Acknowledgment Letter
- Attachment 4: Photographic Documentation
- Attachment 5: Annual Inspection Form
- Attachment 6: Work Order

PROJECT DIRECTORY

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

PROJECT LOCATION: High School for Construction Trades,
Engineering & Architecture (Q650)
(Former Adams Brush Manufacturing Site)
94-02 104th Street
Ozone Park, New York, 11416

PROJECT TECHNICAL SUPPORT

New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233

New York City School Construction Authority
30-30 Thomson Avenue
Long Island City, New York 11101

STV Incorporated
225 Park Avenue South
New York, New York 10003

Chicago Bridge & Iron Company
(Formerly Shaw Environmental & Infrastructure)
1633 Broadway, 30th Floor
New York, NY 10019

DESCRIPTION OF WORK: Review site management plan; walk-through visual inspection; review Vapor Barrier, Sub-slab Depressurization System and Cover System Logbook; review prior reports; conduct annual refresher training.

ATC REPRESENTATIVES: Gilbert Gedeon, Principal Engineer.
Denise Cosenza, Inspector

EXECUTIVE SUMMARY

ATC Groups Services, LLC (ATC) is pleased to provide this Site Management Report (SMR) which covers the period from July 2022 to July 2023 for High School for Construction Trades, Engineering & Architecture (Q650), located at 94-02 104th Street, Ozone Park, NY 11416. This report is being submitted in response to the June 6, 2023 New York State Department of Environmental Conservation (NYSDEC) Reminder Notice (via email). This SMR includes information based on the initial site inspection conducted on July 14, 2023, which includes annual site refresher training associated with the operation and maintenance of the Sub-Slab Depressurization System (SSDS), vapor barrier, and site cover system pursuant to the NYSDEC-approved Site Management Plan (SMP), along with a follow-up inspection conducted on July 26, 2023.

The initial site inspection conducted on July 14, 2023 included an evaluation of engineering controls identified in the SMP which includes the vapor barrier, SSDS and site cover system established at the site. During the initial inspection, ATC noted that the custodian's vapor barrier, Sub-Slab Depressurization System, and site cover system logbook were prepared for the months of July 2022 through July 2023. ATC observed that the SSDS-1 fan unit was down while SSDS-2 was operational. ATC also observed that the Performance Monitoring System (PMS) was incorrectly indicating proper functionality of SSDS-1 even when it was down. ATC immediately advised the custodial staff to repair or replace the motor or associated with SSDS-1 and correct the PMS functionality. Furthermore, at the time of the initial inspection, a spare fan unit was available at the school and stored in Room B6. ATC did not observe any significant cracks in the basement floor or walls, or the building exterior.

On July 24, 2023, the custodial staff informed ATC that SSDS-1 motor was replaced and, therefore, the fan unit is back up and running as normal.

During the follow-up inspection on July 26, 2023, ATC confirmed the operational status of SSDS-1. ATC also noted that the spare fan motor was used to replace the defected motor associated with SSDS-1. ATC advised the custodial to order a spare fan motor and maintain on school premises at all times. Moreover, since the PMS remained unchecked between July 14 and July 26, 2023, ATC also advised the custodial staff to evaluate the PMS functionality to ensure that it correctly displays the SSDS operational status.

Based on the aforementioned, ATC concludes that the Engineering Controls (ECs) and Institutional Controls (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 New York City Department of Education Office of Environmental Health and Safety (NYCDOE/EHS), ATC is pleased to provide this SMR to the NYSDEC for High School for Construction Trades, Engineering & Architecture (Q650), located at 94-02 104th Street in Ozone Park, NY 11416. The school opened in September 2006 and is currently attended by approximately 1114 students. This report was completed in accordance with the SMP approved by the NYSDEC.

The scope of work for this service included:

1. Review of the Vapor Barrier, Sub Slab Depressurization System and Site Cover System Logbook;
2. Inspection of: (A) SSDS Roof Vent Stacks; (B) Basement Floors and Walls; and (C) Exterior Soil Cover (asphalt, concrete, pavers, and plantings);
3. Review of prior reports;
4. Photographic documentation of observations; and
5. Completion of annual refresher training with the custodial staff.

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 Mrs. Denise Cosenza, of ATC, conducted the initial annual site inspection on July 14, 2023. Mr. Wagdi Abdelshahid, of ATC, conducted the follow-up site inspection on July 26, 2023. ATC met with and was accompanied by the school's custodial engineer, Amin Quango, during both SSDS inspections.

2.0 ENGINEERING CONTROLS

According to the SMP prepared by Chicago Bridge & Iron Company (CB&I) (formerly Shaw Environmental & Infrastructure), dated November 2007, and approved by the NYSDEC, the Adams Brush Manufacturing Facility formerly occupied the site. Surficial soil sampling conducted during previous investigations at the Site indicated the presence of semi-volatile organic compounds exceeding the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) values. The soil was excavated to a depth of 18 feet below ground surface to accommodate the footprint of the school building. No residual soil contamination was identified based on post excavation sampling at the base of the excavation prior to construction of the school.

The Engineering Controls (EC) at the Site include a Vapor Barrier and a Sub Slab Depressurization System (SSDS) constructed beneath the school to prevent residual soil gas vapors from entering the building. In addition, a cover system consisting of asphalt, concrete, pavers and environmentally clean soil cover was constructed to act as a barrier to direct contact with subsurface soils. A program for operation and maintenance was developed to ensure that the ECs implemented during the school's operation are properly maintained.

3.0 INSTITUTIONAL CONTROLS

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

- Prohibit any use or occupancy of the Property that results in the disturbance of the soil cover system;
- Prohibit the Property from being used for purposes other than a school;
- Maintain IC/EC unless the owner receives permission for modification of the IC/EC from the relevant agency;
- Comply with the Site Management Plan;
- Maintain asphalt, sidewalk, soil cover and building structure;
- Conduct future soil disturbance activities in accordance with the NYSDEC Site Management Plan;
- Prohibit use of groundwater;
- Perform environmental and health monitoring;
- Protect and maintain on-site environmental monitoring devices; and
- Operate and maintain the SSDS as per the Site Management Plan.

4.0 SITE INSPECTIONS AND SSDS REPAIRS

4.1 Document Review and Training

4.1.1 *Review of Custodian's Inspection Logs*

During the annual inspection, ATC reviewed the Vapor Barrier, SSDS and Soil Cover Logbook with the school's custodian, on July 14, 2023. The logbook included daily inspections for the period of July 2022 to July 2023, excluding weekends and holidays. The logs indicate that both SSDS fan units have been operating continuously and no cracks in the bare concrete floors or walls have been observed.

As part of the annual inspection, ATC provided annual refresher training covering operation and maintenance of SSDS, vapor barrier and site cover systems, and advised the custodial staff to continue to conduct the inspection on a daily basis and document the observations in the daily inspection form. The inspection forms and training acknowledgement letter are included in Attachments 2 and 3, respectively.

4.2 ATC's Visual Observations

ATC conducted visual observations and photographic documentation while accompanied by the school's custodial engineer. Site photographs are included in Attachment 4 and the Annual Inspection Form is included in Attachment 5. During the inspection, ATC noted the following:

- The Performance Monitoring System (PMS) was connected to the SSDS fans but incorrectly indicating air flow in the SSDS-1 piping as observed during the initial ; and
- A spare fan unit is no longer available at the school since it was used to replace SSDS-1 fan motor.

4.2.1 *SSDS Vent Inspection*

1. Both SSDS fan units were operational; however, the fan units were not labeled;
2. Slight rust was observed on the bolts of the SSDS vent stacks; and
3. Debris around the post, sleeve and discharge cap at the SSDS vent stacks was not observed.

4.2.2 *Basement Inspection*

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

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. The elevator pits were reported to be in good condition.

4.2.3 Exterior Inspection

ATC inspected the site cover system around the perimeter of the property including the paved and unpaved areas. There was no evidence of pavement removal. No structures have been constructed on the unpaved areas. There were no signs of soil washing or erosion. There were no signs of intrusive activities such as drilling, digging, trenching, grading or excavating. ATC did not observe any significant cracks penetrating into the exterior soil cover during the annual inspection.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on visual observations, ATC concludes the following:

1. The SSDS fan units are operational; however, the fan units were not labeled;
2. The Performance Monitoring System (PMS) is incorrectly indicating operational status of the SSDS;
3. A spare SSDS fan motor was used to replace the defected motor associated with SSDS-1;
4. No visible concrete cracks penetrating into the basement floors or walls were observed during the annual inspection;
5. The ICs and ECs are in place and remain effective;
6. The Site Management Plan is being implemented;
7. No changes have occurred that would reduce the ability of the controls to protect public health and the environment; and
8. Access is available to the Site by NYSDEC and NYSDOH to evaluate continued maintenance of such controls.

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

1. Correct the functionality of the PMS;
2. Order and maintain a spare fan motor on school premises at all times;
3. Continue documenting all operation and maintenance activities on the ECs;
4. Label the SSDS fan units; and
5. Continue to conduct Vapor Barrier, SSDS and Cover System Logbook inspections on a daily basis.

These recommendations were brought to the attention of NYCDOE Division of School Facilities via the custodial staff.

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 contact us at (212) 353-8280.

Sincerely,
ATC GROUP SERVICES, LLC

Gilbert Gedeon, P.E.
Principal Engineer

cc: D. Balota
D. Cosenza

Attachment 1

Institutional and Engineering Controls Certification Form

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

625 Broadway, 11th Floor, Albany, NY 12233-7020

P: (518)402-9543 | F: (518)402-9547

www.dec.ny.gov

6/6/2023

Mohammed Hemida
NYCDOE, Office of Environmental Health
Div. of Schools Facilities
44-36 Vernon Blvd.
Long Island City, NY 11101
mhemida@schools.nyc.gov

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

Site Name: Former Adams Brush Manufacturing

Site No.: V00656

Site Address: 94 - 02 104th Street
Ozone Park, NY 11416

Dear Mohammed Hemida:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at <http://www.dec.ny.gov/regulations/67386.html>) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **August 19, 2023**. 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 Christopher Allan, the Project Manager, at 718-482-4065 or christopher.allan@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
Long Island City, NY 11101

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

ec: w/ enclosures

Christopher Allan, Project Manager
Jane O'Connell, Hazardous Waste Remediation Supervisor, Region 2

Cardno ATC - Associates, Inc. - Gilbert Gedeon - gilbert.gedeon@atcassociates.com

The following parcel owner did not receive an ec:

The City Of New York - Parcel Owner

Enclosure 1

Certification Instructions

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

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

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

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

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

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

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

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

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

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

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
9381-44	The City of New York	Ground Water Use Restriction Soil Management Plan Landuse Restriction

Site Management Plan

Second, unless prior written approval by the New York State Department of Environmental Conservation or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property, which threatens the integrity of the soil cap, or which results in unacceptable human exposure to contaminated soils.

Third, the owner of the Property shall prohibit the Property from ever being used for purposes other than for a school without the express written waiver of such prohibition by the Relevant Agency.

Fourth, the owner of the Property shall continue in full force and effect any institutional and engineering controls required under the Agreement and maintain such controls unless the owner first obtains permission to discontinue such controls from the Relevant Agency.

Fifth, full compliance shall be required with all components of the Site Management Plan approved by NYSDEC in accordance with the provisions defined by the remedial decision document for the Site.

Sixth, the cover layer consisting of the asphalt in the parking areas, impervious sidewalks/walkways, soil cover, and the building structures, shall be maintained in accordance with this NYSDEC-approved Site Management Plan.

Seventh, all future soil disturbance activities, including building renovation/expansion, subgrade utility line repair/relocation, and new construction shall be conducted in accordance with this NYSDEC-approved Site Management Plan.

Eighth, the use of the groundwater underlying the Site shall be prohibited without treatment rendering it safe for intended purpose.

Ninth, groundwater and other environmental or public health monitoring, and reporting of information thus obtained, shall be performed in a manner specified in this NYSDEC-approved Site Management Plan;

Tenth, on-site environmental monitoring devices, including but not limited to, groundwater monitor wells and soil vapor monitoring wells, shall be protected and replaced upon failure to ensure continued functioning in the manner specified in the NYSDEC-approved Site Management Plan;

Eleventh, sub-slab soil vapor extraction system shall be operated and maintained in a manner specified in this NYSDEC-approved Site Management Plan. Annual inspection and reporting, including operational and monitoring data, shall be performed in a manner specified in this NYSDEC-approved Site Management Plan.

Twelfth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property, and shall provide that the owner, and its successors and assigns, consents to enforcement by the Relevant Agency of the prohibitions and restrictions that Paragraph X of the Agreement requires to be recorded, and hereby covenants not to contest the authority of the Relevant Agency to seek enforcement.

Thirteenth, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

Description of Engineering Controls

Parcel

Engineering Control

9381-44

Vapor Mitigation
Cover System

An active sub slab depressurization system has been installed under the basement slab of the HS. to prevent the possibility that the soil vapors intrude in the building. The fans and the exhaust pipes are in place on the roof of the building. Periodic maintenance operations are performed to insure the good performance of the system.

The building has also a vapor barrier installed under the footprint of the building, which is inspected regularly.

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES NO

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00656

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Sarithe Thumma at 44-36 Vernon Blvd, Queens NY 11101
print name print business address

am certifying as Owner (Owner or Remedial Party)

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

[Signature]
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

8/16/23
Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Gilbert Gedeon at ATC Group Services, 104 East 25th Street, New York, NY 10010,
print name print business address

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



08/18/2023

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

Stamp
(Required for PE)

Date

Attachment 2

Vapor Barrier, Sub-slab Depressurization System and Cap Logbook

NEW YORK CITY DEPARTMENT OF EDUCATION
 HIGH SCHOOL FOR CTEA (Q650)
VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING Y/N	VAPOR EXTRACT. FAN #2 OPERATING Y/N	VAPOR EXTRACT. FAN #3 OPERATING Y/N	VENT #1 GUAGE READINGS IN./H2O	VENT #2 GUAGE READINGS IN./H2O	VENT #3 GUAGE READINGS IN./H2O	VENT #4 GUAGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
1	Y	Y	Y					
2	Y	Y	Y					
3	Y	Y	Y	100	100	100	100	
4	Y	Y	Y	100	100	100	100	
5	Y	Y	Y	100	100	100	100	
6	Y	Y	Y	100	100	100	100	
7	Y	Y	Y	100	100	100	100	
8	Y	Y	Y	100	100	100	100	
9	Y	Y	Y	100	100	100	100	
10	Y	Y	Y	100	100	100	100	
11	Y	Y	Y	100	100	100	100	
12	Y	Y	Y	100	100	100	100	
13	Y	Y	Y	100	100	100	100	
14	Y	Y	Y	100	100	100	100	
15	Y	Y	Y	100	100	100	100	
16	Y	Y	Y	100	100	100	100	
17	Y	Y	Y	100	100	100	100	

NEW YORK CITY DEPARTMENT OF EDUCATION
HIGH SCHOOL FOR CTEA (Q650)
VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING Y/N	VAPOR EXTRACT. FAN #2 OPERATING Y/N	VAPOR EXTRACT. FAN #3 OPERATING Y/N	VENT #1 GUAGE READINGS IN./H2O	VENT #2 GUAGE READINGS IN./H2O	VENT #3 GUAGE READINGS IN./H2O	VENT #4 GUAGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
NOV 2007	YES	YES	N/A	N/A	N/A	N/A	N/A	
1	YES	YES	N/A	N/A	N/A	N/A	N/A	
2	YES	YES	N/A	N/A	N/A	N/A	N/A	
3	YES	YES	N/A	N/A	N/A	N/A	N/A	
4	YES	YES	N/A	N/A	N/A	N/A	N/A	
5	YES	YES	N/A	N/A	N/A	N/A	N/A	
6	YES	YES	N/A	N/A	N/A	N/A	N/A	
7	YES	YES	N/A	N/A	N/A	N/A	N/A	
8	YES	YES	N/A	N/A	N/A	N/A	N/A	
9	YES	YES	N/A	N/A	N/A	N/A	N/A	
10	YES	YES	N/A	N/A	N/A	N/A	N/A	
11	YES	YES	N/A	N/A	N/A	N/A	N/A	
12	YES	YES	N/A	N/A	N/A	N/A	N/A	
13	YES	YES	N/A	N/A	N/A	N/A	N/A	
14	YES	YES	N/A	N/A	N/A	N/A	N/A	
15	YES	YES	N/A	N/A	N/A	N/A	N/A	
16	YES	YES	N/A	N/A	N/A	N/A	N/A	
17	YES	YES	N/A	N/A	N/A	N/A	N/A	

NEW YORK CITY DEPARTMENT OF EDUCATION
 HIGH SCHOOL FOR CTEA (Q650)
VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING Y/N	VAPOR EXTRACT. FAN #2 OPERATING Y/N	VAPOR EXTRACT. FAN #3 OPERATING Y/N	VENT #1 GUAGE READINGS IN./H2O	VENT #2 GUAGE READINGS IN./H2O	VENT #3 GUAGE READINGS IN./H2O	VENT #4 GUAGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
Dec	Y	Y	NA	NEC	NEC			
Jan	Y	Y	NA	NEC	NEC			
2	Y	Y	NA	NEC	NEC			
3	Y	Y	NA	NEC	NEC			
4	Y	Y	NA	NEC	NEC			
5	Y	Y	NA	NEC	NEC			
6	Y	Y	NA	NEC	NEC			
7	Y	Y	NA	NEC	NEC			
8	Y	Y	NA	NEC	NEC			
9	Y	Y	NA	NEC	NEC			
10	Y	Y	NA	NEC	NEC			
11	Y	Y	NA	NEC	NEC			
12	Y	Y	NA	NEC	NEC			
13	Y	Y	NA	NEC	NEC			
14	Y	Y	NA	NEC	NEC			
15	Y	Y	NA	NEC	NEC			
16	Y	Y	NA	NEC	NEC			
17	Y	Y	NA	NEC	NEC			

NEW YORK CITY DEPARTMENT OF EDUCATION
 HIGH SCHOOL FOR CTEA (Q650)
VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING Y/N	VAPOR EXTRACT. FAN #2 OPERATING Y/N	VAPOR EXTRACT. FAN #3 OPERATING Y/N	VENT #1 GAUGE READINGS IN./H2O	VENT #2 GAUGE READINGS IN./H2O	VENT #3 GAUGE READINGS IN./H2O	VENT #4 GAUGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
Jan 2022	Yes	Yes	N/A	0	0	0	0	
Feb 2022	Yes	Yes	N/A	0	0	0	0	
Mar 2022	Yes	Yes	N/A	0	0	0	0	
Apr 2022	Yes	Yes	N/A	0	0	0	0	
May 2022	Yes	Yes	N/A	0	0	0	0	
Jun 2022	Yes	Yes	N/A	0	0	0	0	
Jul 2022	Yes	Yes	N/A	0	0	0	0	
Aug 2022	Yes	Yes	N/A	0	0	0	0	
Sep 2022	Yes	Yes	N/A	0	0	0	0	
Oct 2022	Yes	Yes	N/A	0	0	0	0	
Nov 2022	Yes	Yes	N/A	0	0	0	0	
Dec 2022	Yes	Yes	N/A	0	0	0	0	
Jan 2023	Yes	Yes	N/A	0	0	0	0	
Feb 2023	Yes	Yes	N/A	0	0	0	0	
Mar 2023	Yes	Yes	N/A	0	0	0	0	
Apr 2023	Yes	Yes	N/A	0	0	0	0	
May 2023	Yes	Yes	N/A	0	0	0	0	
Jun 2023	Yes	Yes	N/A	0	0	0	0	
Jul 2023	Yes	Yes	N/A	0	0	0	0	
Aug 2023	Yes	Yes	N/A	0	0	0	0	
Sep 2023	Yes	Yes	N/A	0	0	0	0	
Oct 2023	Yes	Yes	N/A	0	0	0	0	
Nov 2023	Yes	Yes	N/A	0	0	0	0	
Dec 2023	Yes	Yes	N/A	0	0	0	0	

NEW YORK CITY DEPARTMENT OF EDUCATION
HIGH SCHOOL FOR CTEA (Q650)
VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING Y/N	VAPOR EXTRACT. FAN #2 OPERATING Y/N	VAPOR EXTRACT. FAN #3 OPERATING Y/N	VENT #1 GUAGE READINGS IN./H2O	VENT #2 GUAGE READINGS IN./H2O	VENT #3 GUAGE READINGS IN./H2O	VENT #4 GUAGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
MAY 2023	YES	YES	N/A	NO	NO			
	YES	YES	N/A	NO	NO			
	YES	YES	N/A	NO	NO			
	YES	YES	N/A	YES	YES			
	YES	YES	N/A	YES	YES			
	YES	YES	N/A	YES	YES			
	YES	YES	N/A	YES	YES			
	YES	YES	N/A	YES	YES			
	YES	YES	N/A	NO	NO			
	YES	YES	N/A	NO	NO			
	YES	YES	N/A	NO	NO			
	NO	NO						

NEW YORK CITY DEPARTMENT OF EDUCATION
 HIGH SCHOOL FOR CTEA (Q650)
VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING Y/N	VAPOR EXTRACT. FAN #2 OPERATING Y/N	VAPOR EXTRACT. FAN #3 OPERATING Y/N	VENT #1 GUAGE READINGS IN./H2O	VENT #2 GUAGE READINGS IN./H2O	VENT #3 GUAGE READINGS IN./H2O	VENT #4 GUAGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
1	Y	Y	Y	1.0	1.0	1.0	1.0	
2	Y	Y	Y	1.0	1.0	1.0	1.0	
3	Y	Y	Y	1.0	1.0	1.0	1.0	
4	Y	Y	Y	1.0	1.0	1.0	1.0	
5	Y	Y	Y	1.0	1.0	1.0	1.0	
6	Y	Y	Y	1.0	1.0	1.0	1.0	
7	Y	Y	Y	1.0	1.0	1.0	1.0	
8	Y	Y	Y	1.0	1.0	1.0	1.0	
9	Y	Y	Y	1.0	1.0	1.0	1.0	
10	Y	Y	Y	1.0	1.0	1.0	1.0	
11	Y	Y	Y	1.0	1.0	1.0	1.0	
12	Y	Y	Y	1.0	1.0	1.0	1.0	
13	Y	Y	Y	1.0	1.0	1.0	1.0	
14	Y	Y	Y	1.0	1.0	1.0	1.0	
15	Y	Y	Y	1.0	1.0	1.0	1.0	
16	Y	Y	Y	1.0	1.0	1.0	1.0	
17	Y	Y	Y	1.0	1.0	1.0	1.0	

APRIL
2023

18	Yes	Yes
19	Yes	Yes
20	Yes	Yes
21	Yes	Yes
22	Yes	Yes
23	Yes	Yes
24	Yes	Yes
25	Yes	Yes
26	Yes	Yes
27	Yes	Yes
28	Yes	Yes
29	Yes	Yes
30	Yes	Yes
31	Yes	Yes

William B. B.

NEW YORK CITY DEPARTMENT OF EDUCATION
 HIGH SCHOOL FOR CTEA (Q650)
VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING Y/N	VAPOR EXTRACT. FAN #2 OPERATING Y/N	VAPOR EXTRACT. FAN #3 OPERATING Y/N	VENT #1 GAUGE READINGS IN./H2O	VENT #2 GAUGE READINGS IN./H2O	VENT #3 GAUGE READINGS IN./H2O	VENT #4 GAUGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
1	Y	Y	N/A	nil	nil			
2	Y	Y	N/A	nil	nil			
3	Y	Y	N/A	nil	nil			
4	Y	Y	N/A	nil	nil			
5	Y	Y	N/A	nil	nil			
6	Y	Y	N/A	nil	nil			
7	Y	Y	N/A	nil	nil			
8	Y	Y	N/A	nil	nil			
9	Y	Y	N/A	nil	nil			
10	Y	Y	N/A	nil	nil			
11	Y	Y	N/A	nil	nil			
12	Y	Y	N/A	nil	nil			
13	Y	Y	N/A	nil	nil			
14	Y	Y	N/A	nil	nil			
15	Y	Y	N/A	nil	nil			
16	Y	Y	N/A	nil	nil			
17	Y	Y	N/A	nil	nil			

NEW YORK CITY DEPARTMENT OF EDUCATION
 HIGH SCHOOL FOR CTEA (Q650)
VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING Y/N	VAPOR EXTRACT. FAN #2 OPERATING Y/N	VAPOR EXTRACT. FAN #3 OPERATING Y/N	VENT #1 GUAGE READINGS IN./H2O	VENT #2 GUAGE READINGS IN./H2O	VENT #3 GUAGE READINGS IN./H2O	VENT #4 GUAGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
June 2023	Yes	Yes	N/A	N/A	N/A			
1	Yes	Yes	N/A	N/A	N/A			
2	Yes	Yes	N/A	N/A	N/A			
3	—	—	—	—	—			
4	—	—	—	—	—			
5	Yes	Yes	N/A	N/A	N/A			
6	Yes	Yes	N/A	N/A	N/A			
7	Yes	Yes	N/A	N/A	N/A			
8	Yes	Yes	N/A	N/A	N/A			
9	Yes	Yes	N/A	N/A	N/A			
10	—	—	—	—	—			
11	—	—	—	—	—			
12	Yes	Yes	N/A	N/A	N/A			
13	Yes	Yes	N/A	N/A	N/A			
14	Yes	Yes	N/A	N/A	N/A			
15	Yes	Yes	N/A	N/A	N/A			
16	Yes	Yes	N/A	N/A	N/A			
17	—	—	—	—	—			

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Attachment 3

Training Acknowledgement Letter



ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

104 East 25th St, 8th Floor
New York, NY 10010-2917
www.atcgroupservices.com
212-353-8280
Fax 212-353-8306

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

Location: 0650

Custodian/Fireman: Amin Quanungu

I, Amin Quanungu received annual refresher training on Engineering Controls Operation and Maintenance by ATC Group Services, LLC (ATC) on 7/11/23. 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: [Signature]
Custodian/Fireman

Date: 7/11/23
7/26/23

Recommendations:

- 1- Repair/replace fan motor on SSAS #1 *was replaced last week Wajidi (working) 7/26/23*
- 2- Monitor surficial crack on exterior playground cover for significant changes, patch or seal as necessary
- 3- Correct PMS light panel to correctly show fan operational status *still need to be checked Wajidi 7/26/23*
- * Email/notify ATC of repair of #1 within 2 weeks of the date of this letter*
- 4- Order a new spare fan instead of the replaced one *7/26/23 Wajidi*

Attachment 4

Photographic Documentation

New York City Department of Education
High School for Construction Trades, Engineering & Architecture
Former (Adam Brush HS) Q650
94-02 104th Street
Ozone Park, NY 11416



Photo 1: View of typical SSDS fan unit on the roof.



Photo 2: View of PMS associated with the SSDS fan units.



Photo 3: View of spare fan unit in Room B6.

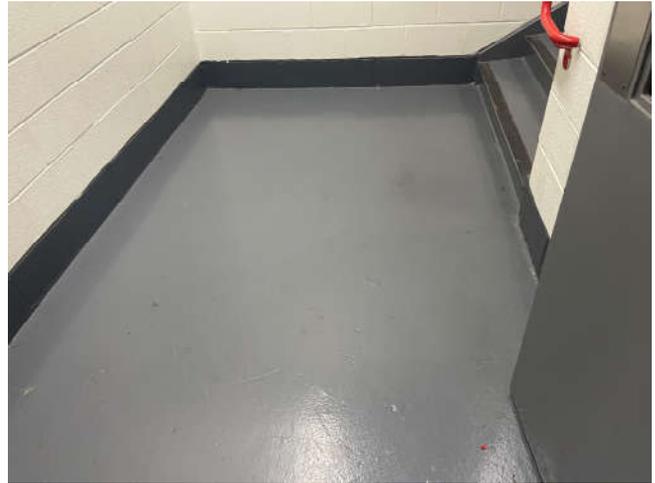


Photo 4: View of typical bare floor in Stair B.



Photo 5: View of typical bare wall in Room B4.

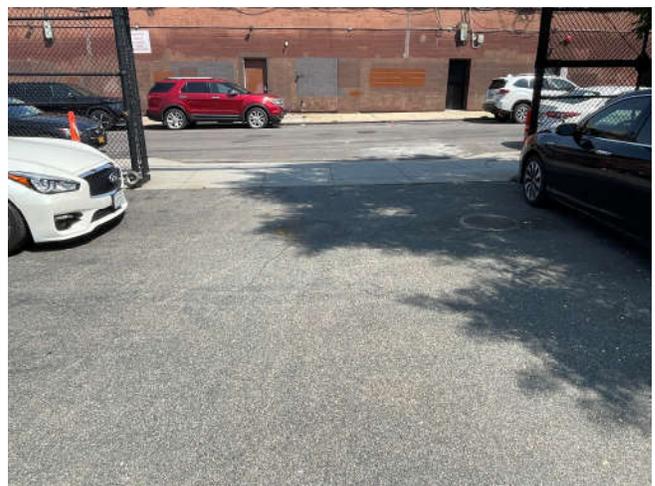


Photo 6: View of paved school parking lot.

New York City Department of Education
High School for Construction Trades, Engineering & Architecture
Former (Adam Brush HS) Q650
94-02 104th Street
Ozone Park, NY 11416



Photo 7: View of paved area around school playground



Photo 8: View of side walk at school main entrance.

Attachment 5

Annual Inspection Form

Annual Inspection Form	
Adams Brush Manufacturing Site 90-02 104th Street, Ozone Park, New York 11416	
Inspector's Name: <u>D. COX / G. GEDON</u>	Weather Conditions: <u>Sunny</u>
Inspection Date: <u>7/11/23</u>	Air Temperature (°F): <u>80</u>
Inspection Time: _____	
Comments: _____	
A. ROOF VENT SSDS INSPECTION	
1. Walk the entire roof surface.	
* Any rust or other debris in the vicinity of the post and sleeve at SSDS Stack #1? <u>NO</u>	
* Any rust or other debris in the vicinity of the post and sleeve at SSDS Stack #2? <u>NO</u>	
* Any rust or other debris in the vicinity of the post and sleeve at SSDS Stack #3? <u>SHUT DOWN</u>	
* Are SSDS fan units functioning properly and spare fan unit available? <u>YES ROOM BG</u>	
* Is SSDS Performance Monitoring System (PMS) functioning properly (light panel, log, etc.)?	
* Comments: <u>YES FUNCTIONING</u>	
B. BASEMENT INSPECTION	
1. Walk the entire basement floor	
* Any visible cracks in the basement floor? <u>NO</u>	
* Any visible cracks in the basement wall? <u>NO</u>	
* Any other visible openings (unintended) in either the floor or walls? <u>NO</u>	
* Draw approximate location of floor and/or wall cracks/openings on site map. <u>N/A</u>	
* Note the length of the crack/opening. <u>N/A</u>	
* Note the width of the crack/opening. <u>N/A</u>	
* Comments: _____	
C. EXTERIOR INSPECTION	
1. Walk and inspect the entire perimeter of the property. <u>complete</u>	
2. Walk and inspect all of the paved areas of the property. <u>complete</u>	
3. Walk and inspect all of the unpaved areas of the property. <u>complete</u>	
* Are there any signs of significant cracks or deterioration of the paved areas? <u>superficial</u>	
* Has any of the pavement material been removed? <u>NO</u>	
* Are there signs of vehicular use on the unpaved areas (tire tracks, rutting, etc.)? <u>NO</u>	
* Have any structures been constructed on the unpaved areas? <u>NO</u>	
* Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)?	
* Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)?	
* Comments: <u>NO</u>	
D. SEVERE CONDITION INSPECTION	
1. Walk and inspect the entire perimeter of the property. <u>NO</u>	
2. Walk and inspect all of the paved areas of the property. _____	
3. Walk and inspect all of the unpaved areas of the property. _____	
* Note type of severe condition (i.e., severe erosion or flooding). <u>N/A</u>	
* Note impacts from severe condition.	
* Comments: _____	
Inspector's Signature: <u>[Signature]</u>	

Attachment 6

Work Order

Ref Nbr/Sub: WVO [00882857 / 73] Status: PLAN [06/26/2023]

Description: 777Z70850/ SSDS PROJECT- SAMPLING

Assmnt Ques:

* Work Standard:

Description	Updated By	Date	Time
Annual SSDS Inspection @ 0650.	FPALMER2	06/26/2023	17:12

* Fac	Work Std	Description	OLE	Prt

USB Drive (L:)

USB Drive...

TIMM10...

TIMM10...

SSDS Wo...

ASBESTO...

Inbox - F...

Division ...

ASBESTO...

ASBESTO...