

CERTIFICATION PAGE

For the Monitoring Period July 20, 2023 through July 20, 2024

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

08/19/2024

Date

**ANNUAL SITE MANAGEMENT REPORT
FROM JULY 2023 TO JULY 2024
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:



104 East 25th Street, 10th Floor
New York, New York 10010-2917
Date of Issue: August 18, 2024
ATC Project No. Z214SS0193

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Attachments:

Attachment 1:	Institutional and Engineering Controls Certification Form
Attachment 2:	Vapor Barrier, Sub-slab Depressurization System and Cap Logbook
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) 94-02 104 th 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, 30 th 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 20, 2023 to July 20, 2024 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 March 29, 2024 New York State Department of Environmental Conservation (NYSDEC) Site Management (SM) Periodic Review Report (PRR) Response Letter (via email). This SMR includes information based on the annual site inspection conducted on July 24, 2024, 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).

This annual inspection 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 2023 through July 2024. ATC observed that the Performance Monitoring System (PMS) was functioning properly and connected to the SSDS units. ATC also observed that the SSDS-1 and SSDS-2 fan units were operational. A spare fan unit was available at the school and stored in Room 1046. ATC did not observe any significant cracks in the basement floor or walls, except for minor surficial cracks on the building exterior playground.

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. The minor exterior surficial cracks should be monitored for any significant change, and sealed or patched as necessary. 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. 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. Mrs. Denise Cosenza, working under the direction of Mr. Gilbert Gedeon, P.E. of ATC, conducted the annual site inspection on July 24, 2024. ATC met with and was accompanied by the school's custodial engineer, Amin Quango, during the inspection.

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 24, 2024. The logbook included daily inspections for the period of July 2023 to July 2024, 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 and correctly indicating air flow in the SSDS-1 and SSDS-1 piping; and
- A spare fan unit is available at the school in Room 104.

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, except for minor surficial cracks on the exterior playground.

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 functional and correctly indicating operational status of the SSDS;
3. A spare SSDS fan motor is maintained on school premises in Room 104;
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. Monitor the minor exterior surficial cracks for any significant change, and seal as necessary;
2. Label the SSDS fan units;
3. Continue documenting all operation and maintenance activities on the ECs; and
4. 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



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



Site Details

Box 1

Site No. **V00656**

Site Name **Former Adams Brush Manufacturing**

Site Address: 94 - 02 104th Street Zip Code: 11416
City/Town: Ozone Park
County: Queens
Site Acreage: 1.400

Reporting Period: July 20, 2023 to July 20, 2024

YES NO

1. Is the information above correct? ☒ ☐

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

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

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

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

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

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

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

7. Are all ICs in place and functioning as designed? ☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control**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 ControlsParcelEngineering 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 compete.

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 Saritha Thumma at 44-36 Vernon Blvd, LIC, 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

08/21/24
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 Sevives, 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)



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

Stamp
(Required for PE)

08/08/2024
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
5/14 2023								
1	1	1	1	1	1			
2	1	1	1	1	1			
3	1	1	1	1	1			
4	1	1	1	1	1			
5	1	1	1	1	1			
6	1	1	1	1	1			
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9	1	1	1	1	1			
10	1	1	1	1	1			
11	1	1	1	1	1			
12	1	1	1	1	1			
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14	1	1	1	1	1			
15	1	1	1	1	1			
16	1	1	1	1	1			
17	1	1	1	1	1			

**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/UNUSUAL CONDITIONS
2023 AUG								
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**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
0801 2003	Y	Y	N	N/A	N/A			
1	Y	Y	N	N/A	N/A			
2	Y	Y	N	N/A	N/A			
3	Y	Y	N	N/A	N/A			
4	Y	Y	N	N/A	N/A			
5	Y	Y	N	N/A	N/A			
6	Y	Y	N	N/A	N/A			
7	Y	Y	N	N/A	N/A			
8	Y	Y	N	N/A	N/A			
9	Y	Y	N	N/A	N/A			
10	Y	Y	N	N/A	N/A			
11	Y	Y	N	N/A	N/A			
12	Y	Y	N	N/A	N/A			
13	Y	Y	N	N/A	N/A			
14	Y	Y	N	N/A	N/A			
15	Y	Y	N	N/A	N/A			
16	Y	Y	N	N/A	N/A			
17	Y	Y	N	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
06/1 2020								
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13								
14								
15								
16								
17								

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**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 2023								
1	Y	Y	N/A	N/A	N/A			
2	Y	Y	N/A	N/A	N/A			
3	Y	Y	N/A	N/A	N/A			
4	Y	Y	N/A	N/A	N/A			
5	Y	Y	N/A	N/A	N/A			
6	Y	Y	N/A	N/A	N/A			
7	Y	Y	N/A	N/A	N/A			
8	Y	Y	N/A	N/A	N/A			
9	Y	Y	N/A	N/A	N/A			
10	Y	Y	N/A	N/A	N/A			
11	Y	Y	N/A	N/A	N/A			
12	Y	Y	N/A	N/A	N/A			
13								
14	Y	Y	N/A	N/A	N/A			
15	Y	Y	N/A	N/A	N/A			
16	Y	Y	N/A	N/A	N/A			
17	Y	Y	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
1 2013	✓	✓	NA	NA	NA			
2	✓	✓	✓	✓	✓			
3	✓	✓	✓	✓	✓			
4	✓	✓	NA	NA	NA			
5	✓	✓	NA	NA	NA			
6	✓	✓	NA	NA	NA			
7	✓	✓	NA	NA	NA			
8	✓	✓	NA	NA	NA			
9	✓	✓	✓	✓	✓			
10	✓	✓	✓	✓	✓			
11	✓	✓	NA	NA	NA			
12	✓	✓	NA	NA	NA			
13	✓	✓	NA	NA	NA			
14	✓	✓	NA	NA	NA			
15	✓	✓	NA	NA	NA			
16	✓	✓	✓	✓	✓			
17	✓	✓	✓	✓	✓			

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**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
Jan 2024								
1	✓	✓	✓	✓	✓			
2	✓	✓	✓	✓	✓			
3	✓	✓	✓	✓	✓			
4	✓	✓	✓	✓	✓			
5	✓	✓	✓	✓	✓			
6	✓	✓	✓	✓	✓			
7	✓	✓	✓	✓	✓			
8	✓	✓	✓	✓	✓			
9	✓	✓	✓	✓	✓			
10	✓	✓	✓	✓	✓			
11	✓	✓	✓	✓	✓			
12	✓	✓	✓	✓	✓			
13	✓	✓	✓	✓	✓			
14	✓	✓	✓	✓	✓			
15	✓	✓	✓	✓	✓			
16	✓	✓	✓	✓	✓			
17	✓	✓	✓	✓	✓			

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 IN./H2O	VENT #2 GUAGE READINGS IN./H2O	VENT #3 GUAGE READINGS IN./H2O	VENT #4 GUAGE READINGS IN./H2O	BUILDING INSPECTION/UNUSAL CONDITIONS
Feb 2020	✓	✓	✓	✓	✓			
1	✓	✓	✓	✓	✓			
2	✓	✓	✓	✓	✓			
3	✓	✓	✓	✓	✓			
4	✓	✓	✓	✓	✓			
5	✓	✓	✓	✓	✓			
6	✓	✓	✓	✓	✓			
7	✓	✓	✓	✓	✓			
8	✓	✓	✓	✓	✓			
9	✓	✓	✓	✓	✓			
10	✓	✓	✓	✓	✓			
11	✓	✓	✓	✓	✓			
12	✓	✓	✓	✓	✓			
13	✓	✓	✓	✓	✓			
14	✓	✓	✓	✓	✓			
15	✓	✓	✓	✓	✓			
16	✓	✓	✓	✓	✓			
17	✓	✓	✓	✓	✓			

**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	✓	✓	✓	✓	✓			
2	✓	✓	✓	✓	✓			
3	✓	✓	✓	✓	✓			
4	✓	✓	✓	✓	✓			
5	✓	✓	✓	✓	✓			
6	✓	✓	✓	✓	✓			
7	✓	✓	✓	✓	✓			
8	✓	✓	✓	✓	✓			
9	✓	✓	✓	✓	✓			
10	✓	✓	✓	✓	✓			
11	✓	✓	✓	✓	✓			
12	✓	✓	✓	✓	✓			
13	✓	✓	✓	✓	✓			
14	✓	✓	✓	✓	✓			
15	✓	✓	✓	✓	✓			
16	✓	✓	✓	✓	✓			
17	✓	✓	✓	✓	✓			

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	✓	✓	22	22	22			
2	✓	✓	22	22	22			
3	✓	✓	22	22	22			
4	✓	✓	22	22	22			
5	✓	✓	22	22	22			
6	✓	✓	✓	✓	✓			
7	✓	✓	✓	✓	✓			
8	✓	✓	✓	✓	✓			
9	✓	✓	✓	✓	✓			
10	✓	✓	✓	✓	✓			
11	✓	✓	✓	✓	✓			
12	✓	✓	✓	✓	✓			
13	✓	✓	✓	✓	✓			
14	✓	✓	✓	✓	✓			
15	✓	✓	✓	✓	✓			
16	✓	✓	✓	✓	✓			
17	✓	✓	✓	✓	✓			

[illegible]

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
2/2021	Y	Y	Y	Y	Y			
1	Y	Y	Y	Y	Y			
2	Y	Y	Y	Y	Y			
3	Y	Y	Y	Y	Y			
4	Y	Y	Y	Y	Y			
5	Y	Y	Y	Y	Y			
6	Y	Y	Y	Y	Y			
7	Y	Y	Y	Y	Y			
8	Y	Y	Y	Y	Y			
9	Y	Y	Y	Y	Y			
10	Y	Y	Y	Y	Y			
11	Y	Y	Y	Y	Y			
12	Y	Y	Y	Y	Y			
13	Y	Y	Y	Y	Y			
14	Y	Y	Y	Y	Y			
15	Y	Y	Y	Y	Y			
16	Y	Y	Y	Y	Y			
17	Y	Y	Y	Y	Y			

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	/	/	/	/	/	/		
2	/	/	/	/	/	/		
3	/	/	/	/	/	/		
4	/	/	/	/	/	/		
5	/	/	/	/	/	/		
6	/	/	/	/	/	/		
7	/	/	/	/	/	/		
8	/	/	/	/	/	/		
9	/	/	/	/	/	/		
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11	/	/	/	/	/	/		
12	/	/	/	/	/	/		
13	/	/	/	/	/	/		
14	/	/	/	/	/	/		
15	/	/	/	/	/	/		
16	/	/	/	/	/	/		
17	/	/	/	/	/	/		

[illegible]

VAPOR EXTRACTION SYSTEM

MONTH/ YEAR	VAPOR EXTRACT. FAN #1 OPERATING V/N	VAPOR EXTRACT. FAN #2 OPERATING V/N	VAPOR EXTRACT. FAN #3 OPERATING V/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
00/00								
1	✓	✓	✓	✓	✓			
2	✓	✓	✓	✓	✓			
3	✓	✓	✓	✓	✓			
4	✓	✓	✓	✓	✓			
5	✓	✓	✓	✓	✓			
6	✓	✓	✓	✓	✓			
7	✓	✓	✓	✓	✓			
8	✓	✓	✓	✓	✓			
9	✓	✓	✓	✓	✓			
10	✓	✓	✓	✓	✓			
11	✓	✓	✓	✓	✓			
12	✓	✓	✓	✓	✓			
13	✓	✓	✓	✓	✓			
14	✓	✓	✓	✓	✓			
15	✓	✓	✓	✓	✓			
16	✓	✓	✓	✓	✓			
17	✓	✓	✓	✓	✓			

[illegible]

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: Q1050

Custodian/Fireman: JOHN SHEDD

I, JOHN SHEDD, received annual refresher training on Engineering Controls Operation and Maintenance by ATC Group Services, LLC (ATC) on 7/24/24. 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: 
Custodian/Fireman

Date: 7/24/24

Recommendations:

- Monitor surficial cracks on exterior playground cover for significant changes, patch or seal as necessary

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.

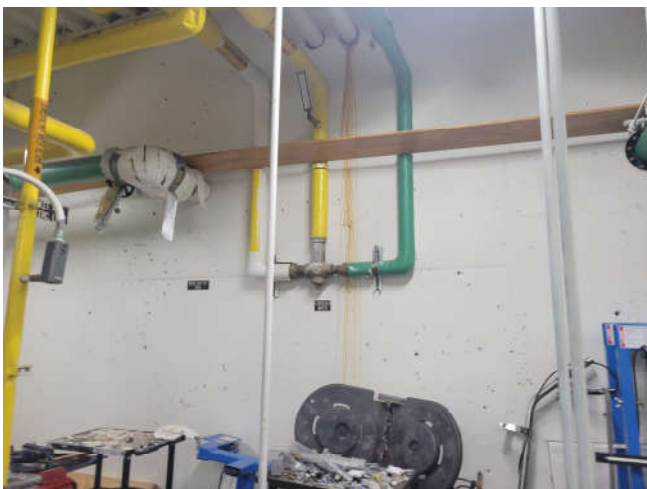


Photo 5: View of typical bare wall in Room B24B.



Photo 6: View of school playground.

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>Denise Corrao</u>	Weather Conditions: <u>Cloudy, showers</u>
Inspection Date: <u>7-24-24</u>	Air Temperature (°F): <u>74°</u>
Inspection Time: _____	
Comments: _____	
<p>A. ROOF VENT SSDS INSPECTION</p> <p>1. Walk the entire roof surface.</p> <ul style="list-style-type: none"> * 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 104</u> * Is SSDS Performance Monitoring System (PMS) functioning properly (light panel, log, etc.)? <u>YES</u> * Comments: _____ 	
<p>B. BASEMENT INSPECTION</p> <p>1. Walk the entire basement floor</p> <ul style="list-style-type: none"> * 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: _____ 	
<p>C. EXTERIOR INSPECTION</p> <p>1. Walk and inspect the entire perimeter of the property. <u>Complete</u></p> <p>2. Walk and inspect all of the paved areas of the property. <u>Complete</u></p> <p>3. Walk and inspect all of the unpaved areas of the property. <u>Complete</u></p> <ul style="list-style-type: none"> * 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)? <u>NO</u> * Are there any signs of intrusive activities (drilling, digging, trenching, grading, excavating, etc.)? <u>NO</u> * Comments: _____ 	
<p>D. SEVERE CONDITION INSPECTION</p> <p>1. Walk and inspect the entire perimeter of the property. _____</p> <p>2. Walk and inspect all of the paved areas of the property. _____</p> <p>3. Walk and inspect all of the unpaved areas of the property. _____</p> <ul style="list-style-type: none"> * Note type of severe condition (i.e., severe erosion or flooding). <u>NO</u> * Note impacts from severe condition. <u>NO</u> * Comments: _____ 	
<p style="text-align: right;">Inspector's Signature: <u>[Signature]</u></p>	

Attachment 6

Work Order

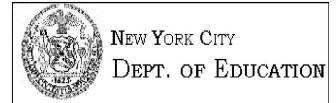
Facility: DSF DIVISION OF SCHOOL FACILITIES
Unit : Q Project :
W/O Type: CO Task Pri: 71 Tsk Dspln: H
Planner : HSIDDIQ SIDDIQUI
W/O Title : 77/07/X790 - SSDS ANNUAL INSPECTION
W/O Task Title: 77/27/Q650 - SSDS ANNUAL INSPECTION
Written To : HS ARCH & URBAN PLNG (ADAM BRSH) - Q
Completed By:



Work Order Package

00952065 12

Rpt : TIPMC11
Date: 07/08/2024



Page: 1

Work Order Task Written To

Facility : DSF	Unit : Q	Op Sys : GEO-27
Division : ABLDG Q650	Area : ISC2	Sys/Cls: Q650
Equipment : ABLDG Q650	Component:	
Work Item :	Eqt. List:	Ops Review Req'd: N
Equip. Tag:	Alt:	
UTC :	Tbl/Brkdwn: (Past 12 mo)	
Catalog ID:	Job Type : CO UCR: GN25	
Client/Act: AQUA7179	AMIN QUANUNGO	
Location : Q09 38100044 000001 94 -02 104TH ST, QUEENS, NY		
Cost Centr: G839	Activity :	User Def:
Percentage: 100.000	Acct No. : GL	

Work Order Task Instructions

NYSDEC LISTED - Q650 - SSDS ANNUAL INSPECTION
ASSIGNED TO ATC

Contract and Outside Services

Contract	Rel	Vendor	Title
00011082	00600	460399408	77/27/Q650 - SSDS ANNUAL INSPECTION

Completion Comments on Work Performed

Completion Comments Required : N

Comments:

Comments:

Facility: DSF DIVISION OF SCHOOL FACILITIES
Unit : Q Project :
W/O Type: CO Task Pri: 71 Tsk Dspln: H
Planner : HSIDDIQ SIDDIQUI
W/O Title : 77/07/X790 - SSDS ANNUAL INSPECTION
W/O Task Title: 77/27/Q650 - SSDS ANNUAL INSPECTION
Written To : HS ARCH & URBAN PLNG (ADAM BRSH) - Q
Completed By:



Work Order Package

00952065 12

Rpt : TIPMC11

Date: 07/08/2024



NEW YORK CITY
DEPT. OF EDUCATION

Page: 2

Comments:

Continued on Additional Sheets? : _____