



INVENTUM ENGINEERING, PC

August 15, 2022

Megan Kuczka
Environmental Program Specialist - 1
New York State Department of Environmental Conservation
270 Michigan Ave
Buffalo, NY 14203-2915

RE: Transmittal - Period Review Report
NFG – Buffalo Service Center
95 Fourth Street
Buffalo, New York

Dear Ms. Kuczka:

The Period Review Report for the operating environmental controls at Site V00362, OU-2A (School), OU-2B and OU-2C is enclosed. The only associated activity at the site is the operation of the fan system, annual inspection and maintenance of the sub-slab depressurization fan and the inspection of the concrete slab over the flowable fill that was placed in 2005.

The completed PRR is Enclosed as Attachment A, the Annual Inspection Form is enclosed as Attachment B, including the requested additional photographs taken during the inspection.

The system is operating as designed. The system is drawing the vacuum required by the approved design. No changes to the operations or annual inspection are recommended at this time.

Please feel free to call with any questions; +1.571.217.6761.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "John P. Black".

John P. Black, P.E.

Enclosures

*441 Carlisle Drive
Suite C
Herndon, Virginia 20170*

Attachment A
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

Site No. **V00362**

Site Name **NFG - Buffalo Service Center**

Site Address: 95 Fourth Street Zip Code: 14202

City/Town: Buffalo

County: Erie

Site Acreage: 0.040

Reporting Period: July 22, 2021 to July 22, 2022

Box 1

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Is the information above correct? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Box 2

- | | YES | NO |
|--|-------------------------------------|--------------------------|
| 6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Are all ICs in place and functioning as designed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

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

SITE NO. V00362

Box 3

Description of Institutional Controls

Parcel

Owner

Institutional Control

Portion of 110.12-1-23.11

City of Buffalo ✓

Ground Water Use Restriction ✓
Landuse Restriction ✓
O&M Plan ✓

National Fuel Gas Buffalo Service Center Site: OU-2A (School), OU-2B, and OU-2C.

Groundwater is being monitored under the Site Management Plan for C915194 and C915195, dated October 2, 2006.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

Portion of 110.12-1-23.11

Vapor Mitigation

- 1) Inspection of the sub-slab depressurization/ vapor extraction system installed in the crawl space of Waterfront School. ✓
- 2) Inspection of concrete slab in the Waterfront School crawl space. ✓
- 3) Annual inspection of the vapor extraction system and concrete slab. ✓

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. V00362

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.

John P. Black at 441 CARLISLE DR. # C, Herndon
print name print business address Virginia 20170

am certifying as Remedial Party (Owner or Remedial Party)

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

John P. Black
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

8/15/2022
Date

EC CERTIFICATIONS

Box 7

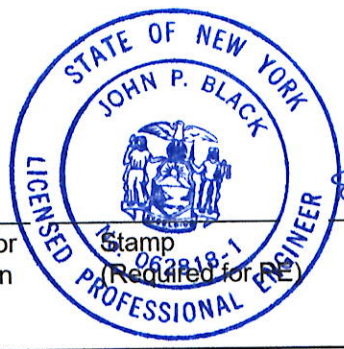
Qualified Environmental Professional Signature

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.

John P. Black at DAI CONSULTING DR.#C, Herndon,
print name print business address Virginia 20170

am certifying as a Qualified Environmental Professional for the Remedial Party
(Owner or Remedial Party)

John P. Black
Signature of Qualified Environmental Professional, for
the Owner or Remedial Party, Rendering Certification



8/15/2022
Date

Attachment B

Inspection Log



Annual Inspection Form
Waterfront School Venting System/Concrete Condition
Buffalo, New York

Date: June 27, 2022

Inspector Name: Roxanne Birx, Inventum Engineering, Matt Reardon, OSC

Note: Accompanied by School Site Engineer (George Sawyer_)

Venting System

Operating?

Fan **Yes** **No**

Monometer Indicating Vacuum?

Yes **No**

Stack Clear and Rain Cap in Place?

Yes **No**

Remarks:

Some residuals on floor.

Wet in comparison to 2021, less than 1-inch of water.

Tested the manometer, working

Room 110 – checked switch, alarm and fan are operating

Checked rain cap, clear and in place

Note; The operation of a SSD fan is intended to create a vacuum beneath the slab creating a preferential pathway for any soil vapor to the fan and exhausted above the roof line. The specific design criteria in accordance with the approved monitoring program is to maintain a vacuum.

Concrete Pad

Evaluation

(Take photographs of any noted conditions)

Significant Cracking? None
(hairline cracks are allowable and expected)

Spalling? No significant

Standing Water? Majority of basement is dry, some limited standing water in low spots.

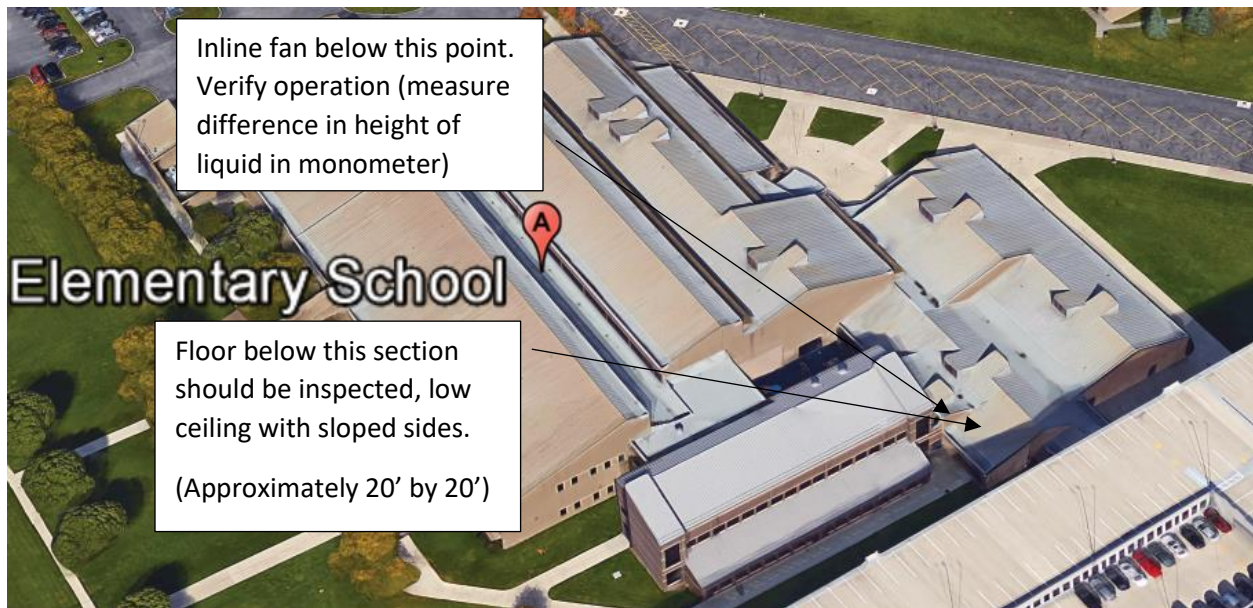
Observations (provide description and take photographs)

- Photograph No. 1 - Alarm for venting system
- Photograph No. 2 – System vent and rain cap
- Photograph No. 3 – System manometer
- Photograph No. 4 – Floor and sloped wall under manometer
- Photograph No. 5 – Typical floor condition
- Photograph No. 6 – Corner of floor and sloped wall
- Photograph No. 7 – Floor and sloped wall
- Photograph No. 8 – Floor and sloped wall continued
- Photograph No. 9 – Debris on floor
- Photograph No. 10 – Condition at corner of sloped wall
- Photograph No. 11 – Sheen in water
- Photograph No. 12. – Biomass at concrete joint
- Photograph No. 13. – Small water seep

Contact Information

Please Contact John Black at 571.217.6761 if maintenance is required.

Inspection Location



Contact for appointment to enter:

Custodian
Waterfront Elementary School (BPS #95)
95 4th Street, Buffalo, NY 14201 ·
Phone: (716) 816-3900

Access:

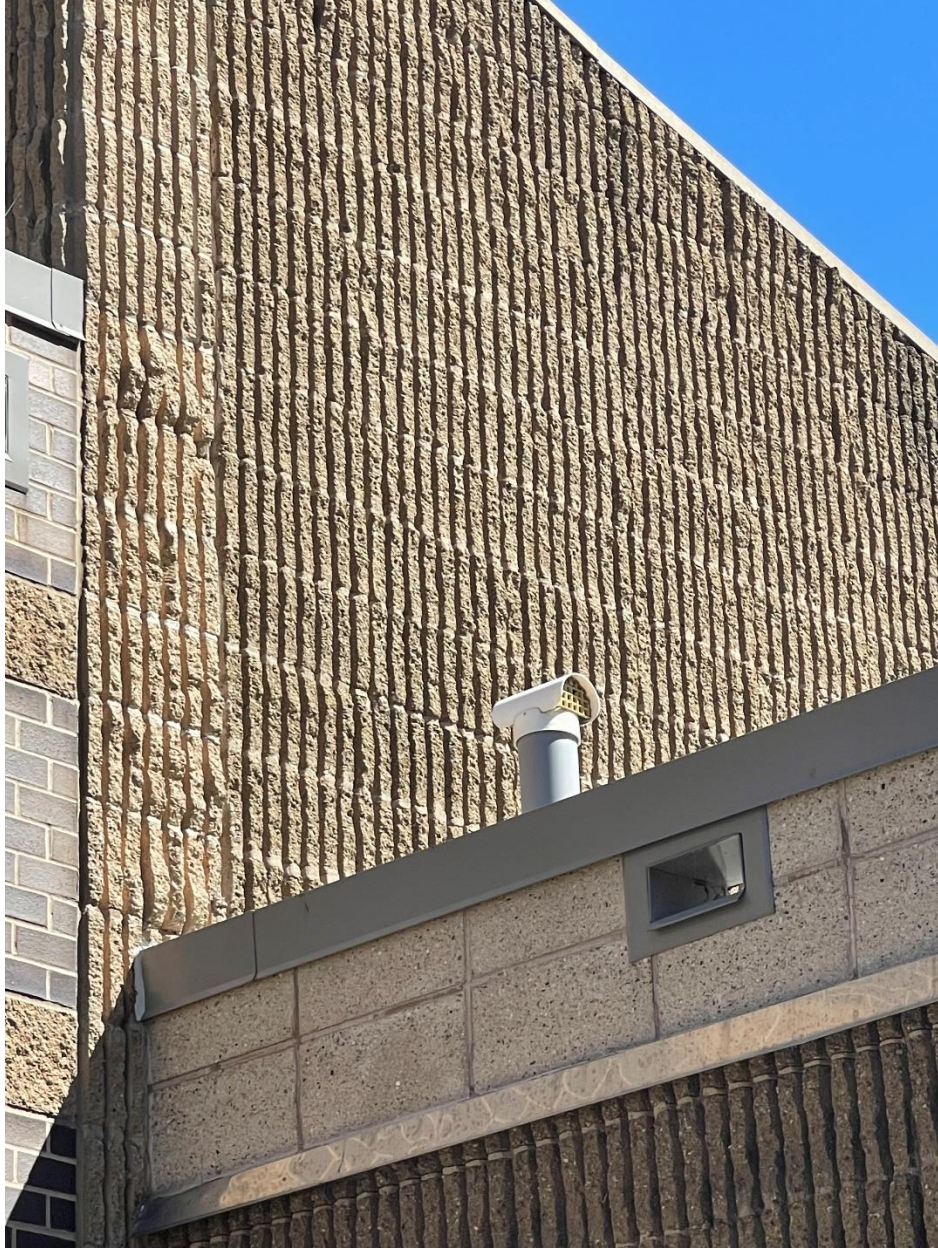
Check in at office at time of appointment with custodian. Basement access through floor opening to vertical ladder near maintenance garage.

Photographs



Photograph 1: Alarm for venting system

(located in Room 110)



Photograph 2: System vent and rain cap
(intact and free of debris.)



Photograph 3: System manometer
(reading 1.0" indicating system is under negative pressure)



Photograph 4: Floor and sloped wall under manometer
(Note debris is accumulated dust, sediment and spalled concrete)



Photograph 5: Typical condition of floor with moisture and debris



Photograph 6: Corner of floor and sloped wall moving left from manometer.
(Note apparent water path down sloped corner. Potential source in sidewall.)



Photograph 7: Floor and sloped wall moving left from corner

(Note: Floor condition is typical of area. Note that orange circle is around a potential water seep, shown in more detail in Photograph 13)



Photograph 8: Floor and sloped wall

(continuing left from Photograph 7)



Photograph 9: Debris, typical floor condition.



Photograph 10: Floor at corner of sloped wall.

(Note: The most significant accumulation of water is present at this location, though less than 1 inch deep. Sheen and bio-mass are present and shown in more detail in Photographs 11 and 12, respectively.)



Photograph 11: Sheen present in water.

(Note: A result of potential biological activity)



Photograph 12: Bio-mass present near joint in concrete slab floor at sloped wall.



Photograph 13: Water apparently coming from small hole in concrete flooring.