

PERIODIC REVIEW REPORT

for the

FORMER GENEVA FOUNDRY SITE

City of Geneva

Ontario County, New York

Brownfield Cleanup Program Site No. C835027

Prepared for:

CITY OF GENEVA
47 Castle Street
Geneva, New York 14456

Prepared by:

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Rome, NY 13440
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Project No.2015003

July 2020

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FIGURE 1 – SITE PLAN

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EXECUTIVE SUMMARY

The Former Geneva Foundry site, located in the City of Geneva, Ontario County, New York, was investigated and remediated by Plumley Engineering, P.C. under the New York State Department of Environmental Conservation (DEC) Brownfield Cleanup Program (BCP). The site contains two parcels that total 2.494 acres and is located in a commercial and residential area. Refer to the attached *Figure 1 – Site Plan* for the site location, property boundaries and site features.

Cleanup activities involved the demolition and disposal of former buildings, including concrete slabs and foundations, and offsite disposal of impacted subsurface and surface soils. Contaminants of concern included semi-volatile organic compounds (SVOCs) and metals. Remedial activities were documented in a *Final Engineering Report*¹ and approved by the DEC. A Certificate of Completion (COC) for the site was issued to the City of Geneva on March 7, 2019. The COC includes a restricted use limitation for Restricted Residential, Commercial or Industrial development. An Environmental Easement recorded with the Ontario County Clerk prohibits the use of site groundwater without prior approval of the New York State Department of Health.

The site has remained undeveloped since that time and a *Site Management Plan*² (SMP) was prepared and approved by the DEC. The SMP details the site use restrictions, governs the maintenance of a surface cover system required for the site and the management of any excavated soils.

Plumley Engineering has been retained by the City of Geneva to prepare this Periodic Review Report (PRR). PRRs are currently required annually for this site to evaluate compliance with use restrictions and applicable institutional and engineering controls in accordance with the SMP. The DEC may lengthen the timeframe between the periodic reviews in the future, at their discretion. We completed site inspections on August 10, 2019 and July 1, 2020 in preparation of this PRR.

¹*Final Engineering Report*, prepared by Plumley Engineering, P.C., dated December 2018.

²*Site Management Plan*, prepared by Plumley Engineering, P.C., dated December 2018.

SITE OVERVIEW

The site is located on the north and south sides of Jackson Street in the City of Geneva. Site boundaries and former significant site features are denoted on the attached *Figure 1 – Site Plan*. The area surrounding the site is used for residential and commercial purposes. The nature and extent of contamination prior to remediation of the site was limited to SVOCs and metals. Remedial activities included the removal of containers of various materials for offsite disposal and the excavation and offsite disposal of soils and concrete that exceeded soil cleanup objectives (SCOs) for Restricted Residential use.

REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

There are no active, ongoing remedial systems in place at the site. Institutional and certain engineering controls are in force to ensure protectiveness, as discussed below.

INSTITUTIONAL / ENGINEERING CONTROL PLAN COMPLIANCE

Institutional and engineering controls (IECs) in force at the site include:

- A land use restriction limiting site development for Restricted Residential, Commercial or Industrial use as defined in New York Codes, Rules and Regulations, Title 6 (6 NYCRR), Part 375-1.8(g).
- A groundwater use restriction, prohibiting the use of groundwater without treatment to render safe for use as drinking water or industrial purposes and for which the user must obtain approval from the DEC.
- Maintenance of a surface cover system over all outdoor areas of the site, as detailed in the site's SMP. The current cover system consists of asphalt pavement or a clean 24-inch

thick soil layer in unpaved areas that serve as a protective barrier, eliminating incidental human contact with the underlying site soils. A geotextile fabric was installed beneath the cover system in areas that were remediated.

- The SMP includes an Excavation Work Plan to be followed if future excavations are planned below the cover system components at the site.

All IECs are conveyed with the property via an Environmental Easement held by the DEC. The COC for the site indicates the Environmental Easement was filed in the Recording Office for Ontario County.

The site is currently in compliance with the required IECs, as follows:

- The surface cover system appears unchanged since construction. This includes suitable cover system components comprised of asphalt or 24 inches of soil in unpaved areas. The cover system was constructed in 2018. No excavations appear to have been completed at the site since completion of the 2018 construction project. The north parcel is being used to store materials associated with the offsite remediation of residential properties. This use includes a temporary covered storage structure for stockpiled topsoil and does not appear to have disturbed the cover system.
- No other indications of new buildings or structures were observed on the site.

As of this reporting period, there are no deficiencies with IECs. No changes to the IECs are recommended.

MONITORING PLAN COMPLIANCE

A monitoring plan is not applicable. There are no ongoing, active monitoring activities for the site.

OPERATION AND MAINTENANCE PLAN COMPLIANCE

The City continues to mow the grass to maintain the soil cover. There are no ongoing, active systems at the site requiring any operation and maintenance activities.

CONCLUSIONS AND RECOMMENDATIONS

All requirements for the site have been met for this reporting period. Refer to the attached *Inspection Forms* and *Enclosure 2 – Certification Form* for additional information.

Any future excavations or drilling that would penetrate the cover system are to be conducted in accordance with the SMP and the DEC shall be notified in advance. The owner shall keep a written record of any such excavations or borings, recording their locations, extent and depths, backfilling and sealing procedures used, and documenting compliance with the SMP. These written filings shall be reviewed and included in the PRRs.

CERTIFICATION

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

- The institutional control employed at this site is unchanged from the date the control was put in place or last approved by the Department.
- Nothing has occurred that would impair the ability of the control to protect the public health and environment.
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control.

- 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.
- If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document.
- Use of the site is compliant with the deed restriction.
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form 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, David K. Meixell, P.E., of Plumley Engineering, P.C., 8232 Loop Road, Baldwinsville, New York, am certifying as the City of Geneva's Designated Representative for the site.

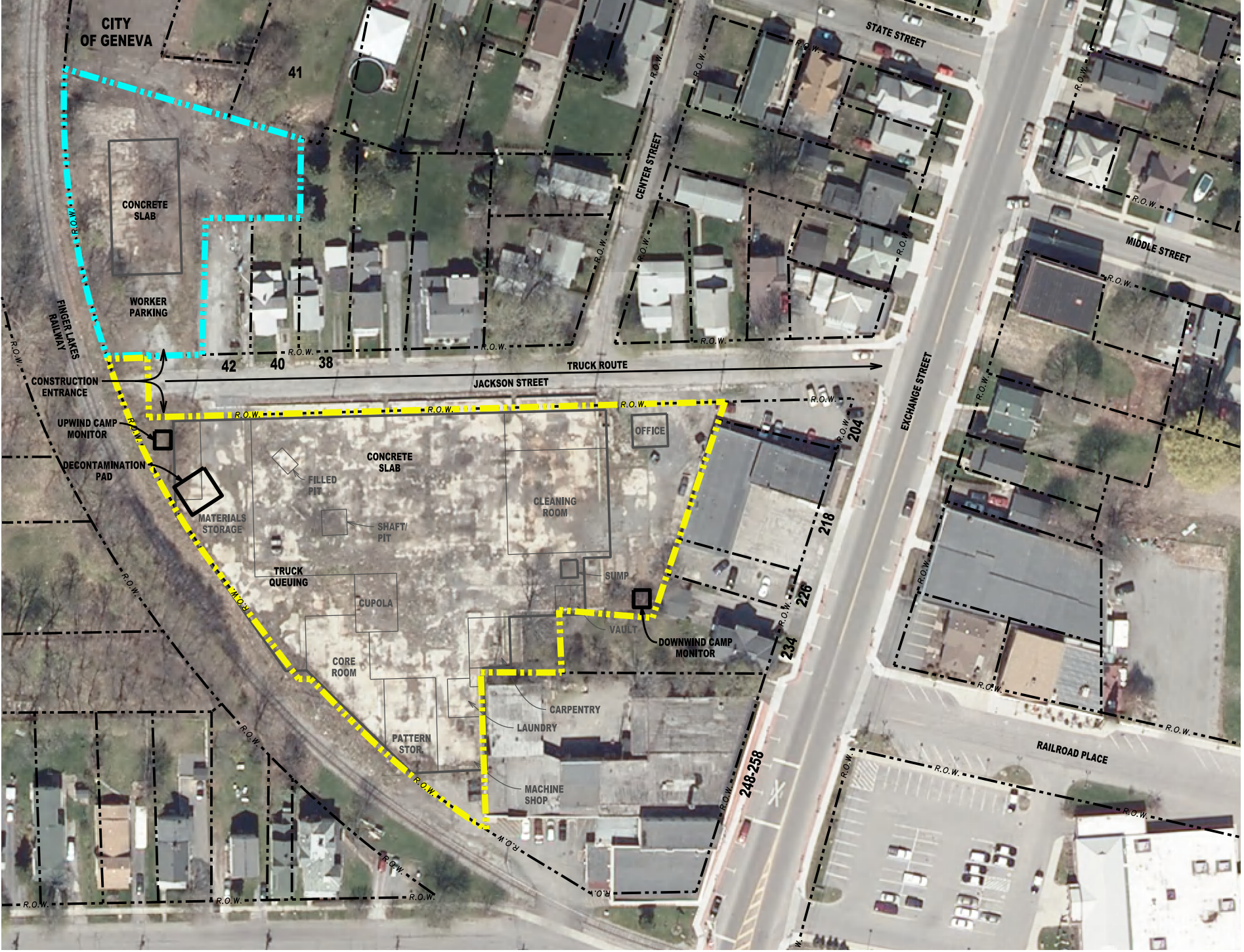

Signature

July 6, 2020
Date

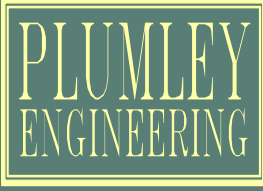
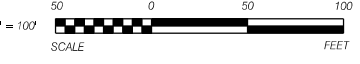
ATTACHMENTS

Key

- - - R.O.W. - - - Right of Way
- . - . - Property Line
- [Yellow dashed box] Operable Unit 1
- [Cyan dashed box] Operable Unit 2



Plan View



Civil and Environmental Engineering

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REVISIONS:	DATE:	BY:
△		

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PROJECT: **GENEVA FOUNDRY SITE**
DWG. TITLE: **SITE PLAN**
CLIENT: **CITY OF GENEVA**
LOCATION: **CITY OF GENEVA, ONTARIO COUNTY, NEW YORK**
Note: No alteration permitted hereon except as provided under Section 7209 Subdivision 2 of the New York State Education Law.

PROJECT No.: 2015003
FILE NAME.: FIGURE 1
SCALE: AS NOTED
DATE: JUNE 2017
ENG'D BY: DKM
DRAWN BY: JJL
CHECKED BY: DRV

SHEET NO.: **FIGURE 1**
© Plumley Engineering, P.C. 2017

**Site-Wide Inspection Form
Former Geneva Foundry Site
Geneva, New York**

Date: July 1, 2020

Inspector's Name (Print): David K. Meixell, P.E.

Site Owner: City of Geneva

Inspector's Phone Number: (315) 638-8587

1. Does the site comply with the required institutional controls? Yes X No

If no, explain deficiencies:

2. Describe condition and effectiveness of the soil cover: Good, vegetation mowed

3. Describe general site conditions: North parcel used for soil and stone storage

4. Have the requirements of the Operation and Maintenance Plan been maintained? Yes X No

If no, explain deficiencies:

5. Are site records up to date? Yes X No

If no, explain deficiencies:

Additional Comments (if appropriate): Temporary covered structure erected on north parcel
to provide cover for stockpiled soil on a stone base. Does not appear to have disturbed
soil cover.

Recommended Actions (if appropriate): None

Signature of Inspector: 

**Site-Wide Inspection Form
Former Geneva Foundry Site
Geneva, New York**

Date: August 10, 2019

Inspector's Name (Print): David K. Meixell, P.E.

Site Owner: City of Geneva

Inspector's Phone Number: (315) 638-8587

1. Does the site comply with the required institutional controls? Yes X No

If no, explain deficiencies:

2. Describe condition and effectiveness of the soil cover: Good

3. Describe general site conditions: Grass cover is established and mowed.

4. Have the requirements of the Operation and Maintenance Plan been maintained? Yes X No

If no, explain deficiencies:

5. Are site records up to date? Yes X No

If no, explain deficiencies:

Additional Comments (if appropriate): Tree from adjacent railroad has fallen on property.

Recommended Actions (if appropriate): None

Signature of Inspector: 

Summary of Green Remediation Metrics for Site ManagementSite Name: Former Geneva Foundry Site Site Code: C835027Address: 23 and 44 Jackson Street City: GenevaState: New York Zip Code: 14456 County: Ontario**Initial Report Period (Start Date of period covered by the Initial Report submittal)**Start Date: March 7, 2019**Current Reporting Period**Reporting Period From: March 7, 2019 To: July 7, 2020**Contact Information**Preparer's Name: David K. Meixell, P.E. Phone No.: (315) 638-8587Preparer's Affiliation: Plumley Engineering, P.C.

- I. Energy Usage:** Quantify the amount of energy used directly on-site and the portion of that derived from renewable energy sources.

	Current Reporting Period	Total to Date
Fuel Type 1 (e.g. natural gas (cf))	0	0
Fuel Type 2 (e.g. fuel oil, propane (gals))	0	0
Electricity (kWh)	0	0
Of that Electric usage, provide quantity:		
Derived from renewable sources (e.g. solar, wind)	NA	NA
Other energy sources (e.g. geothermal, solar thermal (Btu))	NA	NA

Provide a description of all energy usage reduction programs for the site in the space provided on Page 3.

- II. Solid Waste Generation:** Quantify the management of solid waste generated on-site.

	Current Reporting Period (tons)	Total to Date (tons)
Total waste generated on-site		
OM&M generated waste	0	0
Of that total amount, provide quantity:		
Transported off-site to landfills	NA	NA
Transported off-site to other disposal facilities	NA	NA
Transported off-site for recycling/reuse	NA	NA
Reused on-site	NA	NA

Provide a description of any implemented waste reduction programs for the site in the space provided on Page 3.

III. Transportation/Shipping: Quantify the distances travelled for delivery of supplies, shipping of laboratory samples, and the removal of waste.

	Current Reporting Period (miles)	Total to Date (miles)
Standby Engineer/Contractor	0	0
Laboratory Courier/Delivery Service	0	0
Waste Removal/Hauling	0	0

Provide a description of all mileage reduction programs for the site in the space provided on Page 3. Include specifically any local vendor/services utilized that are within 50 miles of the site.

IV. Water Usage: Quantify the volume of water used on-site from various sources.

	Current Reporting Period (gallons)	Total to Date (gallons)
Total quantity of water used on-site	0	0
Of that total amount, provide quantity:		
Public potable water supply usage	NA	NA
Surface water usage	NA	NA
On-site groundwater usage	NA	NA
Collected or diverted storm water usage	NA	NA

Provide a description of any implemented water consumption reduction programs for the site in the space provided on Page 3.

V. Land Use and Ecosystems: Quantify the amount of land and/or ecosystems disturbed and the area of land and/or ecosystems restored to a pre-development condition (i.e. Green Infrastructure).

	Current Reporting Period (acres)	Total to Date (acres)
Land disturbed		2.494
Land restored		2.494

Provide a description of any implemented land restoration/green infrastructure programs for the site in the space provided on Page 3.

Description of green remediation programs reported above (Attach additional sheets if needed)
Energy Usage: None
Waste Generation: None
Transportation/Shipping: None
Water usage: None
Land Use and Ecosystems: The former Geneva Foundry buildings were demolished and the site was remediated. Most of the site has a soil cover with maintained vegetation (mowed grass).
Other:

CERTIFICATION BY CONTRACTOR
I, <u>David K. Meixell, P.E.</u> (Name) do hereby certify that I am <u>Senior Engineer</u> (Title) of the Company/Corporation herein referenced and contractor for the work described in the foregoing application for payment. According to my knowledge and belief, all items and amounts shown on the face of this application for payment are correct, all work has been performed and/or materials supplied, the foregoing is a true and correct statement of the contract account up to and including that last day of the period covered by this application.
<div style="display: flex; justify-content: space-between;"> <div> <u>July 1, 2020</u> Date </div> <div> <u>Plumley Engineering, P.C.</u> Contractor </div> </div>



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



Site No. **C835027** **Site Details** **Box 1**

Site Name Former Geneva Foundry Site

Site Address: 23 Jackson Street Zip Code: 14456
City/Town: Geneva
County: Ontario
Site Acreage: 2.494

Reporting Period: March 07, 2019 to July 07, 2020

- | | 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?
Restricted-Residential, Commercial, and Industrial | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Are all ICs/ECs 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

Box 2A

YES NO

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

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

9. 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. C835027**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control**104.8-1-34**

City of Geneva

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

Controlled property may be used for Restricted Residential, Commercial, and Industrial uses.
Groundwater use is prohibited.

Engineering controls must be operated, maintained, and inspected in accordance with a Site Management Plan (SMP).

Reporting must be conducted in accordance with the SMP.

Future activities on the controlled property must be conducted in accordance with the SMP.

104.8-1-50

City of Geneva

Ground Water Use Restriction
Landuse Restriction
Site Management Plan
IC/EC Plan

O&M Plan

Controlled property may be used for Restricted Residential, Commercial, and Industrial uses.
Groundwater use is prohibited.

Engineering controls must be operated, maintained, and inspected in accordance with a Site Management Plan (SMP).

Reporting must be conducted in accordance with the SMP.

Future activities on the controlled property must be conducted in accordance with the SMP.

Box 4**Description of Engineering Controls**ParcelEngineering Control**104.8-1-34**

Cover System

Soil Cap

104.8-1-50

Cover System

Soil and Asphalt Cap

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO



2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES NO



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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C835027

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 David K. Meixell, P.E. at Plumley Engineering, P.C.
print name 8232 Loop Road, Baldwinsville, New York 13027,
print business address

am certifying as Owner's Designated Representative (Owner or Remedial Party)

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

David Meixell
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

07/06/2020
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I David K. Meixell, P.E. at Plumley Engineering, P.C.
print name 8232 Loop Road, Baldwinsville, New York 13027,
print business address

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

David Meixell

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



Stamp

(Required for PE)

07/06/2020

Date