Electronic Transmittal Form for DEEP Remediation, LUST, and PCB Secure File Transfer (SFT)

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION, PCB PROGRAM, AND
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM
www.ct.gov/deep

This Electronic Transmittal Form must be completed and included as the cover sheet of your electronic document when uploading a document to the Connecticut SFT website. Requirements for Transmittals through the SFT website:

- Documents submitted through the SFT website must include all applicable figures, tables and laboratory data.
- Files must be formatted as PDF/A and use the appropriate naming convention:
  - For Remediation Filings: **REM_REMID #_SiteAddress_Town_DocumentType_DateofDocument**
  - For LUST Filings: **LUST_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
  - For PCB Filings: **PCB_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
  Example: LUST_1MainStreet_Hartford_ESA_01-01-2001
  Note: For "AbbreviationForDocumentType" use appropriate abbreviation at Transmittal of Documents
- If no Rem ID assigned (new filing) or REM ID is unknown leave field blank

Part I: Primary Recipient*: Remediation Program (* required)

For Remediation documents:	For PCB/LUST documents:
Primary Program*: Voluntary Remediation	UST Facility ID: (if applicable)
Rem ID*: 13641	Spill Case Number: (if known)

Part II: Site Information

Site Name*: Rockville Former MGP (REM ID 13641/SEH ID 1075)
Site Address*: 13 Maple Street
City/Town*: Rockville/Vernon State: CT Zip Code: 06066

Secondary Programs (complete as many as applicable for this document):

Program: Significant Environmental Hazard	Project ID: 1075
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:

Provide Project ID for each secondary program if it is known.
Each program has a unique ID (i.e. Rem ID, Spill Case #, UST Facility ID, etc.)

Part III: Document Information (document type required for appropriate program[s] only)

Remediation*: SEH Status Update: Soil
LUST/PCB*: LUST/PCB Document Type
Date of Document*: 5/19/2023 Version: Final

Part IV: Submitter Information

Name*: Andrew (Drew) P. Blicharz
E-mail*: drew.blicharz@eversource.com
Name of company/business this document is being submitted on behalf of: *
Yankee Gas Services Company dba Eversource Energy

EVERSOURCE ENERGY

Sustainability & Environmental Affairs
107 Selden Street, BMN2
Berlin, CT 06037

May 19, 2023

Monica Meschiatti
Remediation Division
Bureau of Water Protection and Land Reuse
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Reference: **Rockville Former Manufactured Gas Plant Site**
REM ID: 13641/SEH ID: 1075
Significant Environmental Hazard Status Update Form: Soil

Dear Ms. Meschiatti:

The Connecticut Light and Power Company dba Eversource Energy (Eversource) submits the enclosed *Significant Environmental Hazard (SEH) Status Update Form: Soil* for the Rockville Former Manufactured Gas Plant Site located at 13 Maple Street in Rockville, Vernon, Connecticut (the Site). An SEH Notification (SEHN) was submitted to the Connecticut Department of Energy and Environmental Protection (CT DEEP) on February 26, 2018. The SEHN reported that benzo(a)pyrene (BaP) was detected at a concentration that exceeded the SEH Condition Notification Threshold Concentration in shallow surficial soils (upper two feet) in a sample collected from SS-102 (0-6") during the Phase III Environmental Site Assessment (ESA). Additional SEH conditions in shallow surficial soils were later discovered at the Site during characterization or investigation activities. SEH conditions at OSS-4 and SB-78 were abated. SEH conditions at SB-76, HA-18, and an area characterized by HA-01 through HA-03 remain at the site.

On December 6, 2022, GEI completed a hand auger boring, SB-76A1, to 2 feet below ground surface to the east of SB-76A just outside the Inner Substation Area perimeter fence to delineate the SEH exceedance at this location. Soil samples were collected from the 0- to 1-foot and 1- to 2-foot depth intervals and submitted under chain-of-custody protocols to Phoenix Laboratories for analysis of PAHs by EPA Method 8270D (Table 1). Together with the previous surrounding sample results, the results indicate the SEH condition at SB-76 has been delineated.

The attached *SEH Status Update Form: Soil* includes results from the supplemental soil sampling at SB-76A1, an annual update on the mitigation measures for other previously identified SEH conditions in surficial soils, and current photographs. The remaining SEH conditions in the surficial soils are proposed to be abated prior to or as part of the site-wide remedial action plan (RAP) which will be prepared once the Phase III environmental site assessment is completed at the Site.

EVERSOURCE ENERGY

Environmental Affairs Department
107 Selden Street, BMN2
Berlin, CT 06037

Sincerely,
Eversource Energy Service Company

Andrew (Drew) P. Blicharz, LEP, CHMM
Senior Environmental Specialist – Remediation

Enclosure: Significant Environmental Hazard (SEH) Status Update Form: Soil
Cc: Kevin Neary, CT DEEP
Jeffrey Holden, LEP, GEI Consultants
Breana Pabst, GEI Consultants

Significant Environmental Hazard Status Update Form: Soil [Connecticut General Statutes (CGS) Section 22a-6u]

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
BUREAU OF WATER PROTECTION & LAND REUSE
REMEDIATION DIVISION
79 ELM STREET
HARTFORD, CT 06106-5127 www.ct.gov/deep/remediation

Complete and submit this form, accompanied by attachments as requested, to meet the requirement under CGS section 22a-6u(k)(2) to provide a description of any continuing actions being taken to monitor, mitigate, or abate a Significant Environmental Hazard condition in surface soil.

RemID# **DEEP Use Only** SEH#

Part I – Site Identification

Identify the parcel at which a Significant Environmental Hazard (SEH) condition was identified:

Name of Site: Rockville Former MGP Site(REM ID13641/SEH ID1075)

Address or Location: 13 Maple Street

City/Town: Rockville/Vernon State: CT Zip Code: 06066

Date(s) DEEP was notified: 2/26/18 DEEP Case Manager (if known): MONICA MESCHIATTI

Part II – SEH Information

A. SEH Condition Reported

☒ 30x Industrial/Commercial Direct Expose Criteria (DEC) (for industrial/commercial use, i.e. non-residential)

☐ 15x Industrial/Commercial DEC (for metals or PCBs at industrial/commercial properties that are within 300 feet of a current residential use)

☐ 15x Residential DEC (for current residential use)

B. Has the extent of the SEH condition been fully delineated horizontally and vertically in the top two feet of soil, pursuant to CGS section 22a-6u(d)(3)(A)?

Yes ☒ No ☐ Date report delineating SEH condition submitted: Several

C. A site map is attached depicting the specific locations and extent of the soil contamination, including contaminant concentrations that exceed SEH notification thresholds. ☒

Part III – SEH Mitigation Status Update

Describe any steps being taken to delineate, monitor, mitigate, and/or abate the SEH condition and any proposed future actions, pursuant to CGS section 22a-6u(d)(3).

A. Report Frequency

1. Annual reports are due on **June 1st** of each year using this form.
   This submittal is the annual report. ☒
2. **In the event that mitigation measures fail, a supplemental report, using this form, is required within 30 days of discovery of such event and must describe how this condition was addressed in C.4. below.** This submittal is a supplemental report. ☐

B. SEH Mitigation

1. Area that exceeds SEH soil notification thresholds is:

Covered by pavement maintained in good condition	YES ☐	NO ☒
Fenced off from the general public	YES ☒	NO ☐
Identified by posted warning signs	YES ☒	NO ☐

2. Provide any additional details of the mitigation measures taken to prevent exposure to the contaminated soil exceeding the SEH notification threshold. CHECK IF NONE ☐

Surficial soil with detections of benzo(a)pyrene (BaP) above the SEH Threshold Concentration including the SS-102, HA-01A, HA-02, HA-03, HA-18, and SB-76 areas remain secured within security fencing that has warning signs posted at gated entrances to inform authorized visitors. The property is flagged in Eversource's internal GIS which informs Substation Operations personnel to contact Environmental personnel prior to intrusive work at the substation.

C. Inspection and Maintenance of Mitigation Measures

1. List dates of inspection since last annual report (mm/dd/yy):

12/9/22	1/9/23	4/4/23	5/12/23

2. Checklist for inspection of mitigation measures for most recent inspection:

☐ Yes	☐ No	☒ NA	Cracking of asphalt or concrete?
☐ Yes	☒ No	☐ NA	Changes in surface profile (settling, potholes, roots)?
☐ Yes	☒ No	☐ NA	Exposed geotextile membrane or soil erosion?
☐ Yes	☒ No	☐ NA	New construction, paving, or landscaping?
☐ Yes	☒ No	☐ NA	Opening in fence that could allow access?
☒ Yes	☐ No	☐ NA	Warning signs present and legible?
☐ Yes	☐ No	☒ NA	Other conditions - describe:

3. Provide current photo documentation of mitigation measures.

Date of photos: 5/12/23 PHOTOS ATTACHED ☒

4. Describe any maintenance of mitigation measures that has been completed since the last report. CHECK IF NONE ☐

In December 2022, GEI collected soil samples from SB-76A1 and the SB-76 area is now delineated. Construction fencing surrounding the HA-18 area at the top of the river embankment has been improved.

Part IV – SEH Abatement Update

A. Abatement Status

1. ☒ SEH condition has been abated (complete Part IV.B.) *OSS-4 in 2021 and SB-78 in 2022, Reports below
2. Date abatement plan (to be) submitted:
3. Anticipated date of completion of abatement:

B. Abatement Details

1. SEH condition has been abated such that notice would not be required under CGS section 22a-6u(k)(3) by:

   ☒ Removal of soil above notification threshold values in the top two feet of soil.

   ☐ Rendering the soil inaccessible as defined in the Remediation Standard Regulations ("RSRs," sections 22a-133k-1 through -3 of the Regulations of Connecticut State Agencies).

   ☐ Remediation of the release in accordance with the RSRs.

2. ☐ A report describing actions taken to permanently abate the SEH condition is attached.

   a. ☐ A table of analytical data that are the basis for determining that a SEH condition no longer exists is included in the attached report.

   b. ☐ A site map indicating the location of samples identifying that the SEH condition has been fully abated is included in the attached report.

3. If a report(s) has (have) already been submitted that documents the abatement of the SEH condition, list the reports below for reference. CHECK IF NONE ☐

Report Name	Preparer	Submittal Date (mm/dd/yy)	DEEP Unit Name (where submitted)
Annual Report	GEI	12/23/22	Remediation
Significant Environmental Status Update Form: Soil	Eversource	5/25/22	Remediation
2021 Voluntary Remediation Program Annual Report	Tighe & Bond	12/29/21	Remediation

Part V – Party Identification and Contact Information

A. Site Owner Has this information changed? Yes ☐ No ☒

Owner Name: The Connecticut Light and Power Company dba Eversource Energy
Contact Person: Andrew (Drew) P. Blicharz Title: Senior Environmental Specialist
Contact E-mail: drew.blicharz@eversource.com Contact Phone:860-665-5751 Ext.
Mailing Address: 107 Selden Street
City/Town: Berlin State:CT Zip Code: 06037

B. Environmental Consultant Has this information changed? Yes ☒ No ☐

Name: Jeffrey S. Holden Title: P.E., LEP
Firm: GEI Consultants, Inc
E-mail: jholden@geiconsultants.com Phone: 607-216-8956 Ext.
Mailing Address: 1301 Trumansburg Road, Suite N
City/Town: Ithaca State: NY Zip Code: 14850

C. Entity Acting on Behalf of the Owner Has this information changed? Yes ☐ No ☒

If the person signing this form is not the site owner, describe that person's relationship to the site and its owner and enter contact information below. If an entity who is not the site owner is acting on behalf of the owner to mitigate or abate the hazard condition, provide details of this agreement.

Contact Name:

Contact Person: Title:

Contact E-mail: Contact Phone: Ext.

Mailing Address:

City/Town: State: Zip Code:

Part VI – Signature of Property Owner or Entity Acting on Owner's Behalf

"I have personally examined and am familiar with the information submitted in this document and all attachments, and certify that based on reasonable investigation the submitted information is true and accurate to the best of my knowledge and belief. I certify that this form is complete and accurate as prescribed by the Commissioner without alteration of the text."

Name: Andrew (Drew) P. Blicharz Title (if applicable): Senior Environmental Specialist

Signature Drew Blicharz Date: 5/19/2023

SEND COMPLETED FORM TO: REMEDIATION DIVISION
<ATTN: CASE MANAGER, IF KNOWN>
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Table 1. SEH Soil Delineation Results
Significant Environmental Hazard Status Update Form: Soil
Rockville Former MGP Site
13 Maple Street, Vernon, Rockville, CT 06066

				Sample Name Sample Date	SB-76A1-(0-1`) 12/9/2022 0-1.0	SB-76A1-(1-2`) 12/9/2022 1.0-2.0
Analyte	**GB PMC**	**Res DEC**	**I/C DEC**	**I/C SEH Condition Notification Threshold Concentration**		
PAH17 (mg/kg)						
Acenaphthene	84*	1000*	2500*	75000	<0.290	**0.42**
Acenaphthylene	84	1000	2500	75000	**2.6**	**6.4**
Anthracene	400	1000	2500	75000	**1.8**	**4.8**
Benzo(a)anthracene	1	1	7.8	234	**11**	**23**
Benzo(b)fluoranthene	1	1	7.8	234	**14**	**27**
Benzo(k)fluoranthene	1	8.4	78	2340	**5**	**9.1**
Benzo(g,h,i)perylene	1*	8.4*	78*	2340*	**4.6**	**13**
Benzo(a)pyrene	1	1	1	30	**13**	**27**
Chrysene	1*	84*	780*	23400*	**11**	**24**
Dibenz(a,h)anthracene	1*	1*	1*	30*	**1.6**	**3.8**
Fluoranthene	56	1000	2500	75000	**13**	**24**
Fluorene	56	1000	2500	75000	<0.290	**1.8**
Indeno(1,2,3-cd)pyrene	1*	1*	7.8*	234*	**5.7**	**14**
2-Methylnaphthalene	5.6*	270*	1000*	30000*	**0.49**	**2.1**
Naphthalene	56	1000	2500	75000	**1**	**3.1**
Phenanthrene	40	1000	2500	75000	**4.9**	**16**
Pyrene	40	1000	2500	75000	**15**	**28**
Other						
Percent Solids (%)	NE	NE	NE	NE	**79**	**89**

Table 1. SEH Soil Delineation Results
Significant Environmental Hazard Status Update Form: Soil
Rockville Former MGP Site
13 Maple Street, Vernon, Rockville, CT 06066

Notes:

% = Percent
mg/kg = milligrams per kilogram

PAH = Polycyclic Aromatic Hydrocarbon
ft-bgs= feet below ground surface

Ammended Remediation Standard Regulations (RSRs) of the Regulations of Connecticut State Agencies (RCSA) 22a-133k-1 through 22a-133k-3. The effective date of the amended RSRs is March 9, 2021 used in combination with 2018 CAPS where the RSR criteria are not available.
* indicates value is obtained from 2018 Technical Support Document (TSD) for Common Additional Polluting Substances (CAPS
I/C DEC = Industrial/commercial direct exposure criteria means the concentrations identified as industrial/commercial direct exposure criteria in Appendix A to RCSA sections 22a-133k-1 through 22a-133k-3.
Res DEC = Residential direct exposure criteria means the concentrations identified as residential direct exposure criteria in Appendix A to RCSA sections 22a-133k-1 through 22a-133k-3.

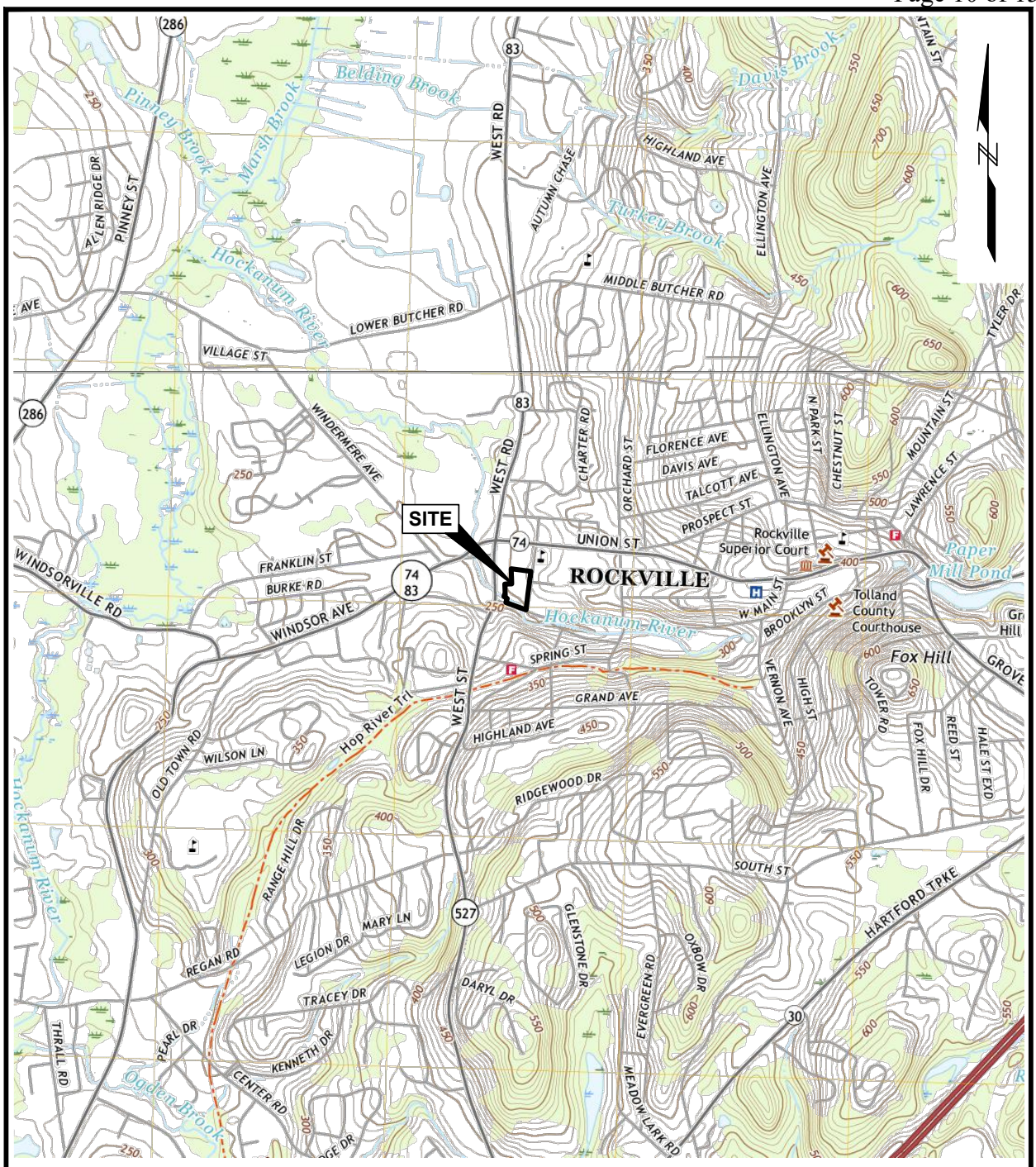
GB = Area where the ground-water classification is GB. Designated uses: industrial process water and cooling waters; baseflow for hydraulically connected surface water bodies; presumed not suitable for human consumption without treatment.
PMC = Pollutant mobility criteria means the concentrations identified in Appendix B to RCSA sections 22a-133k-1 through 22a-133k-3, or any alternative pollutant mobility criteria approved by the Commissioner pursuant to RCSA subsection 22a-133k-2(d).

CAS No. = Chemical Abstracts Service Number
MGP = Manufactured Gas Plant
NE = Not Established

Bolding indicates a detected result concentration
Shading and bolding indicates that the detected concentration is above the CT RSR it was compared to
Light gray shading indicates a GB PMC exceedance
Dark gray shading indicates a Res DEC and GB PMC exceedance
Yellow shading indicates a I/C DEC, Res DEC and GB PMC exceedance
Red text indicates a SEH Condition Notification Threshold Concentration exceedance

Validation Qualifiers:

< = The analyte was not detected at a concentration above the specified laboratory reporting limit.
J = The result is an estimated value.



SOURCE:
MAP CREATED ROCKVILLE, CT QUADRANGLE, 7.5-MINUTE USGS TOPOGRAPHIC MAP, 2021 AND ELLINGTON, CT QUADRANGLE, 7.5-MINUTE USGS TOPOGRAPHIC MAP, 2021.

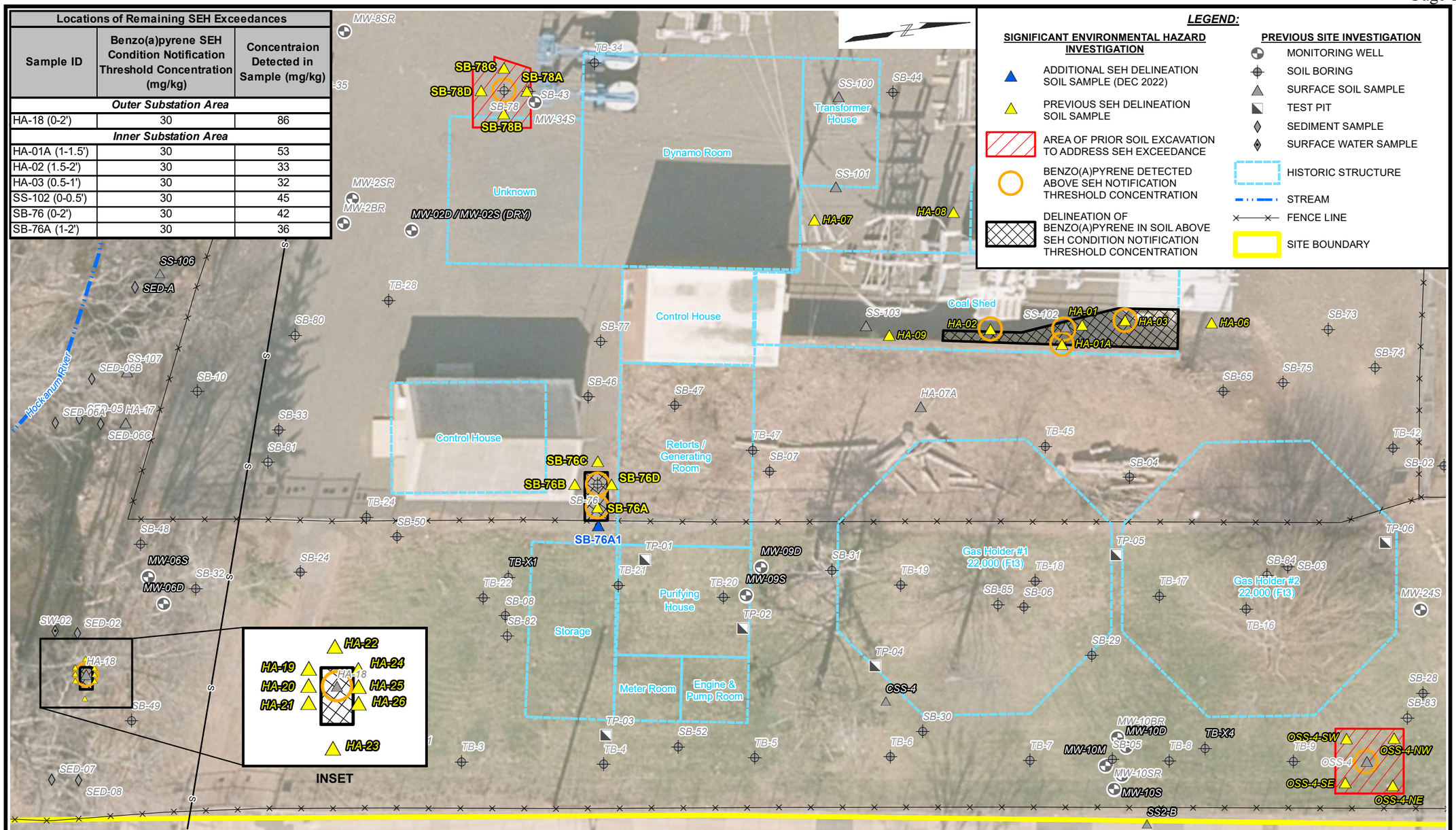
0 2000 4000

SCALE: 1" = 2000'

Significant Environmental Hazard Status Update Form: Soil Rockville Former MGP Site Rockville, Vernon, Connecticut	GEI Consultants	SITE LOCATION MAP
Eversource Berlin, Connecticut	Project 2200138	May 2023 Fig. 1

\\geiconsulta B:\Working\EVERSOURCE\2200138 Rockville MGP Supp. Ph II_III ESA\00_CAD\Figures\SEHSU\2023\2200138_SEHSU_SLM.dwg - 5/16/2023

Locations of Remaining SEH Exceedances		
Sample ID	**Benzo(a)pyrene SEH Condition Notification Threshold Concentration (mg/kg)**	**Concentraion Detected in Sample (mg/kg)**
Outer Substation Area		
HA-18 (0-2')	30	86
Inner Substation Area		
HA-01A (1-1.5')	30	53
HA-02 (1.5-2')	30	33
HA-03 (0.5-1')	30	32
SS-102 (0-0.5')	30	45
SB-76 (0-2')	30	42
SB-76A (1-2')	30	36



SOURCES:
1. ALL PREVIOUS SAMPLE LOCATION DATA PROVIDED BY TIGHE & BOND.
2. WORLD IMAGERY LAYER, Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0 20 40
SCALE, FEET

Significant Environmental Hazard Status Update Form: Soil
Rockville Former MGP Site
Rockville, Vernon, Connecticut

Eversource
Berlin, Connecticut

GEI Consultants

SIGNIFICANT ENVIRONMENTAL HAZARD (SEH) INVESTIGATION AND EXCAVATION LOCATIONS

Project 2200138 | May 2023 | Fig. 2

J:\Projects\Eversource Energy\13 Maple St Rockville\SEHSU\2023\2200138_SEHSU_SEH.mxd

Rockville Former MGP
Significant Environmental Hazard Status Update Form: Soil
Date Photographed: May 12, 2023
Address: 13 Maple Street, Rockville, Vernon, Connecticut

GEI Consultants

Photo Log Index

Photo No. 1 – Fencing and signage around outer substation (facing west). _____ *1*
Photo No. 2 – SEH condition area (SB-76 and SB-76A) from outer substation (facing west). _____ *1*
*Photo No. 3 – SEH condition area (SB-76 and SB-76A) within the inner substation (facing east).*_____ *2*
Photo No. 4 – SEH condition area (SS-102, HA-01A, HA-02 and HA-03) within the inner substation (facing north). _ *2*
Photo No. 5 – SEH condition area (SS-102, HA-01A, HA-02 and HA-03) within the inner substation (facing south). _ *3*
*Photo No. 6 – SEH condition area (HA-18) fenced off within wooded area of outer substation (facing south).*_____ *3*

Rockville Former MGP
Significant Environmental Hazard Status Update Form: Soil
Date Photographed: May 12, 2023
Address: 13 Maple Street, Rockville, Vernon, Connecticut



Photo No. 1 – Fencing and signage around outer substation (facing west).



Photo No. 2 – SEH condition area (SB-76 and SB-76A) from outer substation (facing west).

Rockville Former MGP
Significant Environmental Hazard Status Update Form: Soil
Date Photographed: May 12, 2023
Address: 13 Maple Street, Rockville, Vernon, Connecticut

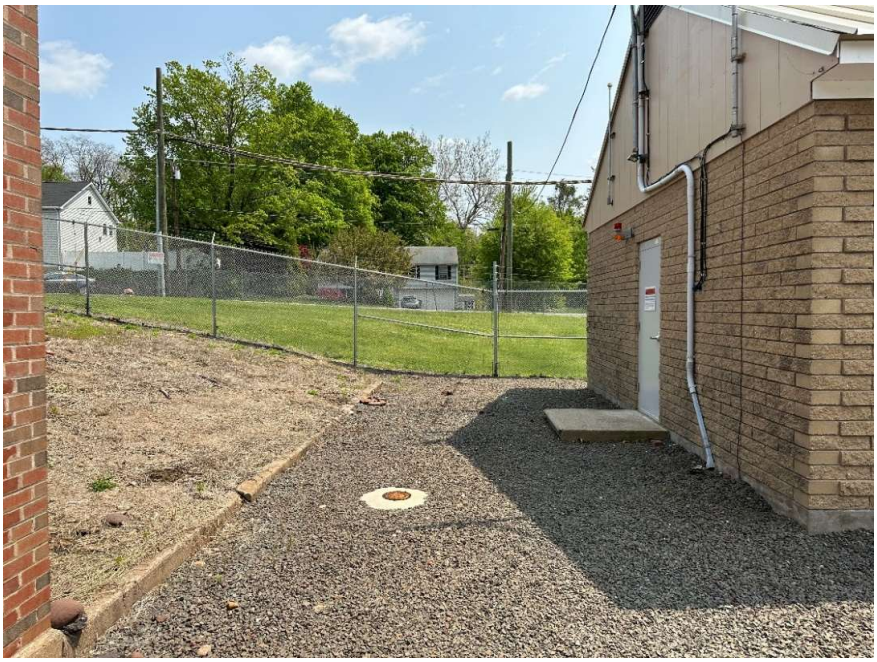


Photo No. 3 – SEH condition area (SB-76 and SB-76A) within the inner substation (facing east).



Photo No. 4 – SEH condition area (SS-102, HA-01A, HA-02 and HA-03) within the inner substation (facing north).

Rockville Former MGP
Significant Environmental Hazard Status Update Form: Soil
Date Photographed: May 12, 2023
Address: 13 Maple Street, Rockville, Vernon, Connecticut



Photo No. 5 – SEH condition area (SS-102, HA-01A, HA-02 and HA-03) within the inner substation (facing south).



Photo No. 6 – SEH condition area (HA-18) fenced off within wooded area of outer substation (facing south).