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REMEDIATION DIVISION, PCB PROGRAM, AND
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM
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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*: Property Transfer	UST Facility ID: (if applicable)
Rem ID*: 14862	Spill Case Number: (if known)

Part II: Site Information

Site Name*: Eversource Windsor Operations Center
Site Address*: 1985 Blue Hills Avenue Extension
City/Town*: Windsor State: CT Zip Code: 06095-1504

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

Program: Select Secondary Program	Project ID:
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*: Remedial Action Plan
LUST/PCB*: LUST/PCB Document Type
Date of Document*: 1/27/2025 Version: Final

Part IV: Submitter Information

Name*: Victoria L. Man, LEP
E-mail*: victoria.man@zuvic.com
Name of business this document is being submitted on behalf of and contact person email: *
The Rocky River Realty Company, Benjamin Caswell, Benjamin.Caswell@eversource.com

Remedial Action Plan Transmittal Form

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
BUREAU OF WATER PROTECTION AND LAND REUSE
REMEDIATION DIVISION www.ct.gov/deep/remediation

This form is a summary document to transmit a Remedial Action Plan (the Electronic Document Transmittal Form must be the cover page). When the use of this transmittal form is required or requested by the Commissioner, a Remedial Action Plan approved in writing by the LEP, a copy of public notification of remediation, as well as all other documentation that demonstrates all applicable laws and regulations have been complied with, is to be attached to this transmittal form.

Part I of this form must be completed and signed by the Party responsible to submit a Remedial Action Plan for the remediation of the parcel in accordance with the remediation standards. Part II of this form is to be completed and signed and sealed by a licensed environmental professional (LEP).

All sections of this form must be filled out, as applicable.

PART I: GENERAL INFORMATION

Remediation ID No. (Rem#): 14862

Site Identification

Site/Establishment Name (as on Form III): Eversource Windsor Operations Center

Site/Establishment Address: 1985 Blue Hills Avenue Extension

City/Town: Windsor State: CT Zip Code: 06095-1504

Description in Property Deed:

Recorded on page 1145 of volume 1904 of the Town of Windsor

land records, as lot 5 block 145 on map 6 in the Tax Assessor's Office.

Check the box indicating under which program this documentation is being submitted:

- ☒ Connecticut General Statutes (CGS) section 22a-134a(a)-(e), Property Transfer filing
- ☐ CGS section 22a-133x, Voluntary Remediation
- ☐ CGS section 22a-133y, Voluntary Remediation (leave Rem# blank)
- ☐ Other (specify)

Upload to the Connecticut Secure File Transfer (SFT) website (https://sft.ct.gov) the Electronic Transmittal Form (page 1), followed by the RAP Transmittal Form, the Remedial Action Plan, copies of the Public Notice, and all supporting documents.

Remedial Action Plan Transmittal Form (continued)

Rem#: 14862

PART I: GENERAL INFORMATION (continued)

The following documentation must be attached to this form. Check boxes, as applicable, to verify that the documentation has been submitted with this form.

☒ **REMEDIAL ACTION PLAN -** in accordance with CGS Section 22a-134a(g)(1)

Dated: Jan 2025 Prepared by: ZUVIC Inc.

☒ **PUBLIC NOTICE OF REMEDIATION -** in accordance with RCSA section 22a-133-k-1(d)(1) and/or CGS Section 22a-134a(i)

☒ copy of published notice in newspaper

☒ copy of notice to local Director of Health

Check the applicable box if additional public notice requirements were implemented and provide documentation.

☐ sign erected on establishment

☒ copies of the notice of remediation mailed to abutting property owners

Note: Certifying Party must provide copies of any written public comments and responses.

List all applicable documentation and attach to this form.

DOCUMENT	DATED	PREPARED BY
Remedial Action Plan	Jan 2025	ZUVIC Inc.
Supplemental Investigation Report -Appendix A of RAP	Nov 2024	ZUVIC Inc.
Public Notice Documentation -Appendix E of RAP	1/17/2025	ZUVIC Inc.

Certification

"I submit this form and attached remedial action plan approved by a licensed environmental professional. I shall apply for all permits and approvals that are necessary to carry out the remedial actions, and I shall ensure that any necessary permit applications are complete and that the issuance of any such permit and/or approval will be diligently pursued."

Benjamin Caswell — Printed Name of Authorized Signatory

Environmental Specialist — Title

Benjamin Caswell — Signature of Authorized Signatory

1/22/2025 — Date

Representing (Name of Company): The Rocky River Realty Company

Address: 107 Selden Street

City/Town: Berlin State: CT Zip Code: 06037-1616

Phone: 860-665-6915

Email: benjamin.caswell@eversource.com

Remedial Action Plan Transmittal Form (continued)

Rem#: 14862

PART II: REMEDIAL ACTION PLAN SUMMARY

To be completed by the LEP

Groundwater Classification: GA

Soil: Concentrations of Pollutants in Excess of RSR Criteria:

Criterion Exceeded	Remedial Measure	COC
☒ PMC	☐ In-situ	☐ Non-chlorinated VOCs
☒ GA	☐ Excavation / on-site re-use	☐ Chlorinated VOCs
☐ GB	☒ Excavation & removal	☒ Metals
	☐ Engineered Control	☒ PAHs
☒ DEC	Date of Commissioner Approval:	☐ SVOCs
☒ Res	☒ ELUR	☐ PCBs
☐ I / C	☐ RSR exemption	☒ ETPH
	☐ RSR Alternative Criteria	☒ Pesticides
	Date of Commissioner Approval:	☐ Other (specify):
	☒ Other (specify): Section 22a-133k-2(d)(4)	

Groundwater: Concentrations of Pollutants in Excess of RSR Criteria:

Criterion Exceeded	Remedial Measure	COC
	☐ Pump & Treat	☐ Non-chlorinated VOCs
☒ GWPC	☐ Air Sparging / Vapor extraction	☐ Chlorinated VOCs
☐ Volatilization	☐ Dual-Phase	☒ Metals
☐ SWPC	☒ Monitored natural attenuation	☐ PAHs
	☐ ELUR	☐ SVOCs
	☐ RSR exemption	☐ PCBs
	☐ RSR Alternative Criteria	☐ ETPH
	Date of Commissioner Approval:	☒ Pesticides
	☐ Other (specify):	☐ Other (specify):

Remedial Action Plan Transmittal Form (continued)

Rem#: 14862

PART II: REMEDIAL ACTION PLAN SUMMARY (continued)

Vapor Intrusion:

Remedial Measure

- ☐ sub-slab depressurization
- ☐ vapor barrier
- ☐ indoor-air monitoring

Date of DPH Commissioner Approval of such plan:

NAPL present: ☐ Overburden ☐ Bedrock ☒ None

Other (specify):

LEP Approval

"I have personally examined and am familiar with the information in the remedial action plan summary of this transmittal form, and I approve the attached remedial action plan. My professional services have been rendered in accordance with the 'Rules of Professional Conduct' (Section 22a-133v-6 of the Regulations of Connecticut State Agencies)."

Victoria L. Man	172
Printed Name of LEP	License Number
V L Man	1/27/2025
Signature of LEP	Date

Company: ZUVIC Inc.

Address: 40 Cold Spring Road, Suite 1

City/Town: Rocky Hill State: CT Zip Code: 06067-3169

Phone: 860-716-7138

Email: victoria.man@zuvic.com

Affix Seal Here



Remedial Action Plan

Eversource Call/Data Center
1985 Blue Hills Avenue Extension, Windsor, Connecticut

January 2025
Project No. 23246

Prepared for

EVERSOURCE

107 Selden Road, Berlin, CT 06037

Prepared by

ZUVIC Infrastructure Solutions

40 Cold Spring Road, Suite 1, Rocky Hill, CT 06067

Daniel Pinho, LEP
Project Manager

Victoria L. Man, LEP
Director of Environmental Services

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1.0 INTRODUCTION AND PURPOSE

ZUVIC was retained by Eversource Energy Service Company on behalf of The Rocky River Realty Company (Eversource or Client) to prepare this Remedial Action Plan (RAP) for the Eversource Call/Data Center located at 1985 Blue Hills Avenue Extension, Windsor, Connecticut, hereafter referred to as the "Site". The RAP was completed for the exterior portion of the site, excluding the site building. The RAP will be submitted to the Connecticut Department of Energy and Environmental Protection (CT DEEP) as required by Connecticut General Statutes (CGS) Section 22a-134 through 22a-134e – Connecticut Property Transfer Program (CT PTP).

The purpose of this report is to summarize the environmental regulatory status of the Site with respect to soil and groundwater conditions, to evaluate feasible remedial actions for the Site, and to describe the implementation of the selected remedial action(s).

2.0 SITE OVERVIEW

The following sections include a description of the Site along with geologic/hydrogeologic information, groundwater and surface water classifications and potential receptors.

2.1 Site Description

The Site location is shown on Figure 1 and a Site Plan is included as Figure 2. The Site is located at 1985 Blue Hills Avenue Extension in Windsor, CT and consists of approximately 19.42 acres. The property is at approximate latitude 41° 52' 40.93"N and longitude 72° 44' 17.65"W, and at an approximate elevation of 180 to 185 feet above mean sea level. The Site is developed with a single story 165,000 square foot masonry / slab on grade building used by Eversource as office space and a call/data center. The building is surrounded by asphalt parking lots and landscaped areas.

For purposes of discussion in this report, Blue Hills Avenue Extension and Day Hill Road are referred to as lying east-west, and the sides of the building are referred to as lying east-west or north-south. All directions mentioned in describing the site reference these assumed directions.

The Site is bounded to the north by Blue Hills Avenue Extension (State Route 187) and Community Health Resources and CIGNA office buildings across the road.

The Site is bounded to the south by Day Hill Road, which is the municipal boundary between the Towns of Windsor and Bloomfield. A parcel of land across the road is used as an agricultural field and is developed with an industrial building occupied by CTEC Solar, LLC (solar supplier) and Lesro Industries (furniture manufacturer).

The Site is bounded to the east by an undeveloped parcel of land (1975 Blue Hills Avenue Extension), which includes a grassed area contiguous with landscaping at the Site and a wooded area. This parcel was historically used for agriculture.

The Site is bounded to the west by an undeveloped parcel of land (1995 Blue Hills Avenue Extension) that was formerly used for agriculture (i.e., tobacco cultivation) and was recently paved.

2.2 Geologic and Hydrogeologic Information

The Site is relatively level with grade gently sloping down toward stormwater catch basins in driveways and parking areas and steeper grade changes down to stormwater detention basins in the southeastern and

northeastern portions of the Site and a drainage swale centrally located in the southern parking area. Based on topographic maps, Site elevation ranges from approximately 180 to 185 feet above mean sea level (msl) except for lower elevations within the stormwater detention basins.

The surficial geology of the Site is identified as sand overlying fines and the bedrock underlying the Site is mapped as the Portland Arkose formation, which is described as reddish-brown arkose (brownstone). The mapped overburden deposits were confirmed during previous investigations except that glacial till, consisting of red-brown sand, silt, and gravel, was encountered in two borings completed along the southern side of the building at 15 to 20 feet below grade (fbg). Bedrock was not observed during environmental investigations completed as deep as 25 ft., or during a 2001 geotechnical evaluation as deep as 41.5 ft.

Depths to groundwater ranged from approximately 10.6 to 17.3 feet when measured in May 2021, approximately 8.9 to 15.6 feet deep when measured in September 2023 and approximately 7.3 to 14 ft deep when measured in May 2024. Shallow groundwater flow was mapped as flowing southeasterly toward Day Hill Road. Groundwater elevation data are summarized in **Table 1**, and monitoring well locations, groundwater elevation contours and inferred flow directions for the May 2024 gauging event are shown on **Figure 4**.

2.3 Groundwater and Surface Water Classifications

The majority of the Site is located within the Connecticut River major drainage basin, the Farmington River regional basin, and the Farmington River subregional basin with the exception of the southwest corner of the Site which is located within the Connecticut River major drainage basin, the Park River regional basin, and the North Branch Park River subregional basin. Local runoff is conveyed from ground surface to Site stormwater catch basins and to stormwater detention basins located in the northeast and southeast portions of the Site.

According to CTDEEP Geographical Information System (GIS) mapping (accessed January 2024), groundwater at the Site is classified as “GA”. The “GA” groundwater quality classification indicates that the water resource is intended to be suitable for existing private or potential public or private drinking water without treatment, stream base flow, and industrial and miscellaneous use (CTDEEP, October 2013). According to CTDEEP mapping, the Site is not within an Aquifer Protection Area.

ZUVIC did not observe any evidence of, or review any documentation, indicating the presence of water wells at the Site. A site-specific drinking water receptor survey was completed in 2022 (**Section 2.4**), and no drinking water wells were identified at, or within 500 ft. of, the Site.

Surface water bodies are not mapped at the Site, and no significant areas of standing water or unmapped surface water bodies were observed during previous investigations. The Site is located approximately 4,000 feet south of the Farmington River, and approximately 350 feet southwest of Culbro Lake.

The Farmington River is classified as a class “B” surface waterbody. The “B” classification indicates degraded water bodies that are suitable for fish, aquatic life and wildlife habitat; recreation; navigation; and water supply for industry and agriculture (CTDEEP, October 2013).

Culbro Lake is classified as a class “A” surface waterbody. The “A” classification indicates water bodies that are suitable for potential drinking water supply; fish and wildlife habitat; recreational use; agricultural and industrial supply and other legitimate uses including navigation (CTDEEP, October 2013). Discharges to class “A” surface waterbodies are restricted to discharges from public or private drinking water treatment systems, dredging and dewatering, emergency and clean water discharges (CTDEEP, October 2013).

2.4 2022 Well Receptor Survey

Stantec Consulting Services Inc. (Stantec) completed a Well Receptor Survey in 2022 to determine if any potential receptors, including public and private drinking water supply wells are located within a 500-foot radius of the Site. The survey was completed in accordance with the CTDEEP *Water Supply Well Receptor Survey Guidance Document (September 2009, revised January 2015).* In part, Stantec concluded the following:

- Water supply wells or sensitive receptors were not identified within 500 feet of the Site.
- One property on Adams Road, southwest of the Site, is zoned residential but appeared vacant.
- Developed properties within the 500-foot radius are currently connected to the Metropolitan District Commission (MDC) public water distribution system.
- No wetlands are mapped at the Site or within 500 feet of the Site. ZUVIC noted that wetlands associated with Culbro Lake are present north of Blue Hills Avenue Extension, northeast, and within 500 ft., of the Site. Wetlands are also located on one property on Adams Road, southwest, and within 500 ft. of the Site.

3.0 BACKGROUND AND PREVIOUS INVESTIGATIONS

Historically, the Site was used for agricultural purposes (cultivation of tobacco), presumed drying of tobacco in two barns, storage of chemicals used for agricultural purposes in a third barn, and residential dwellings. The Site was developed with the current site building in 2001 and occupied by a fiber optic component manufacturer (JDS Uniphase (JDS)) until 2004 when Eversource occupied the building for use as office space for a call/data center.

JDS was a small quantity generator (SQG) of hazardous waste (greater than 100 kilograms per month and less than 1,000 kilograms per month), including ignitable waste, corrosive acids, corrosive bases, and spent solvents.

Due to hazardous waste generation rates by JDS, the property qualifies as an "establishment," and when it was purchased by Eversource, was subject to the Connecticut Transfer Act (Section 22a-134 through 22a-134e of the Connecticut General Statutes).

The property was transferred on December 1, 2021 to The Rocky River Realty Company (Eversource) and was entered into the CT PTP with submission of a Form III and ECAF to the CTDEEP on December 9, 2021. CTDEEP acknowledged receipt of the documentation on March 21, 2022. Eversource is the Certifying Party to the transfer, and as such, is responsible for investigation and remediation of the Site. CTDEEP assigned REM ID No. 14862 to the Site.

The following investigations and CT PTP documentation for the Site have been completed and are presented in the following reports. Copies of the reports have been previously submitted to CTDEEP except for the Supplemental Investigation Report which is included in Appendix A.

- Phase I Environmental Site Assessment (ESA), 1985 Blue Hills Avenue Extension, Windsor, CT prepared by Stantec, dated July 13, 2021
- Phase II ESA, 1985 Blue Hills Avenue Extension, Windsor, CT prepared by Stantec, dated July 28, 2021
- 2022 Well Receptor Survey, 1985 Blue Hills Avenue Extension, Windsor, CT (REM ID# 14862) prepared by Stantec, dated June 6, 2022
- Environmental Condition Assessment Form (ECAF), dated December 9, 2021; Form III Transfer of Establishment Form (Form III), dated December 9, 2021; and Schedule Letter prepared by a Stantec Licensed Environmental Professional (LEP), dated May 24, 2022

- CTDEEP Form III Receipt Acknowledgement Letter, dated March 21, 2022
- Phase II/III ESA, 1985 Blue Hills Avenue Extension, Windsor, CT prepared by ZUVIC, dated March 2024
- Completion of Investigation, 1985 Blue Hills Avenue Extension, Windsor, CT prepared by ZUVIC, dated March 21, 2024
- Supplemental Investigation Report, 1985 Blue Hills Avenue Extension, Windsor, CT prepared by ZUVIC, dated November 2024.

The following Areas of Concern (AOCs) and Recognized Environmental Conditions (RECs) were identified and investigated during previous investigations listed above. The approximate location of each AOC and/or REC is shown on **Figure 3**.

- REC 1 – Diesel Fuel Release at the Loading Docks
- REC 2 – Coolant Release from Emergency Generator
- REC 3 – Historical Barn/Warehouse Fire
- REC 4 – Release from Snow Removal Equipment
- AOC 1 – Loading Dock Area, Storm Drain, and Southeast Stormwater Detention Basin
- AOC 2 – Agricultural Use
- AOC 3 – Exterior Oil-Filled Electrical Transformers
- AOC 4 – Suspected Dumping Area
- AOC 5 – Former JDS Uniphase Site Operations
- AOC 6 – Two Emergency Diesel ASTs Associated with Emergency Generators (REC 2)
- AOC 7 – Former 7,000-Gallon Heating Oil UST at Barn/Office (REC 3)
- AOC 8 – Former Barns in the Central and the Southeastern Portions of the Site
- AOC 9 – Potential Off-Site Sources

Based on results of previous investigations, release areas warranting remediation were identified at the following AOCs/RECs, at and near the noted borings for contaminants which exceed remedial criteria (**Figures 3** and **6**).

- REC 3 - Barn/Warehouse – extractable total petroleum hydrocarbons (ETPH), polynuclear aromatic hydrocarbons (PAHs), total and leachable arsenic and leachable lead in soil near B26, B27 and B29 from ground surface to approximately 8.5 fbg. Contaminants exceeding remedial criteria may be present within the entire barn foundation.
- REC 3 – West of Barn/Warehouse – leachable lead in soil near B44, from ground surface to approximately 4 fbg.
- REC 3 – Northeast of former Barn/Warehouse - pesticides in soil near B24/MW6 and B55, from ground surface to approximately 2 fbg and PAHs in soil near B56, from ground surface to at least 6 fbg
- AOC 4 – Dumping area – PAHs in soil near B21 and B61 and pesticides, leachable lead and/or leachable pesticides in soil near B23/MW7, B62 and B64, from ground surface to approximately 2 fbg.
- AOC 6 - Emergency generator AST southwest of the building - ETPH in soil near B10, from ground surface to approximately 1 fbg.
- AOC 8 – Southeastern former tobacco barn - pesticides in soil near B20, from ground surface to approximately 2 fbg and PAHs in soil near B61, from ground surface to 2 fbg.

Pesticide concentrations detected in soil samples collected throughout the Site are generally consistent with application of pesticides and not indicative of point-sources with the exception of soil at and near B20 (southeastern barn, AOC 8), B23/MW7 and B64 (dumping area, AOC 4), and B24/MW6 and B55 (northeast of former Barn/Warehouse, REC 3) where remediation is warranted.

Note that a RAP will be prepared if required for any remediation that may be warranted associated with former JDS operations (AOC 5) inside the Site building following completion of additional investigation work.

4.0 CURRENT ENVIRONMENTAL STATUS

The following sections include a discussion of soil, groundwater and soil vapor conditions at each AOC/REC and corresponding conceptual site model (CSM). Summaries of soil, groundwater and soil vapor laboratory analytical data are presented in Tables 2A, 3 and 4, respectively. The boring locations are shown on Figure 3 and monitoring well locations are shown on Figure 4. The CSM and a summary of the RECs and AOCs are presented in Table 5.

Given the GA classification of groundwater beneath the Site, the RDEC, I/C DEC and GA PMC for soil were compared to soil analytical data. Groundwater analytical data were compared to the GWPC, SWPC, RVC and I/C VC for groundwater. Soil vapor analytical results were compared to the residential soil vapor volatilization criteria (Res SVVC) and industrial/commercial soil vapor volatilization criteria (I/C SVVC).

If default Connecticut RSR criteria have not been established for detected compounds, RDEC, I/C DEC, GA PMC, SWPC, RVC, I/C VC, Res SVVC, and I/C SVVS contained in the CTDEEP "Technical Support Document: Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests," dated September 20, 2018 or from the CTDEEP form entitled "Request for Approval of Criteria for Additional Polluting Substances," dated March 25, 2022 were used for comparison purposes. CTDEEP approval is required for use of these criteria, is commonly granted and will be sought prior to remediation.

4.1 Soil and Groundwater

4.1.1 Soil Remediation Standards

For soil, the CTDEEP has adopted two types of remediation standards, one to address direct exposure (e.g., through ingestion of, or dermal contact with, contaminated soil) and a second to address pollutant mobility (i.e., the potential for leachate from contaminated soil to impact groundwater quality above a particular threshold).

Direct exposure criteria (DEC) have been developed for two types of land use scenarios, as follows: (i) residential land use; and (ii) industrial/commercial land use. The industrial/commercial direct exposure criteria would currently apply to the Site given its past and current industrial/commercial use. However, such an application would require placement of an environmental use restriction (EUR) to ensure that the parcel or restricted portion(s) of the parcel are not used for any residential purpose in the future, and that its use be limited to industrial or commercial activities. Since an EUR has not been recorded, the Residential Direct Exposure Criteria (RDEC) would currently apply to this Site.

Groundwater beneath the Site is classified by the CTDEEP as "GA", therefore, the pollutant mobility criteria (PMC) for soil in GA areas would be applicable.

For both DEC and PMC, the CTDEEP has adopted numeric standards that serve as "default" criteria unless acceptable site-specific or alternate criteria are developed, or unless background concentrations or analytical detection limits in soil exceed these numeric standards. In addition, there are a few circumstances where conditional exemptions or variances from the DEC and PMC are allowed. Where applicable, based on existing data, these exemptions, variances, site-specific or alternate criteria will be discussed. In general, site-specific or alternate criteria are not developed unless there are exceedances of the more protective default criteria.

According to the RSRs, the DEC are compared to soil quality data from total mass analyses, and apply to soil within 15 feet (ft.) of the ground surface unless the soil is inaccessible in accordance with RSR Section 22a-133k-2(b)(3).

In a GA area, the PMC apply to soil from ground surface to the seasonal low water table, estimated at between approximately 11 and 17 feet deep. For pollutant mobility for metals or polychlorinated biphenyls (PCBs), one

can either compare predicted or actual leaching data for a given metal or PCB to its GA PMC. For other constituents, one can compare leaching data to the GWPC multiplied by the appropriate dilution/attenuation factor if appropriate, or one can compare total mass analysis data to the PMC.

4.1.2 Groundwater Remediation Standards

In "GA" classified areas such as this site, there are four types of groundwater remediation standards which apply under the RSRs: (i) the groundwater protection criteria (GWPC); (ii) the surface-water protection criteria (SWPC); (iii) background concentrations; and (iv) the volatilization criteria (VC) for any groundwater polluted with VOCs within a certain depth below the ground surface or a building.

The GWPC are designed to ensure that the quality of existing and potential drinking water supplies is not impacted.

The SWPC are designed to ensure that contaminant concentrations in groundwater do not adversely impact water quality in a surface water body receiving groundwater discharges, except as follows. For a wetland or intermittent stream, the RSRs assume there may be no dilution and therefore the aquatic life criteria (AQLC) (contained in the Water Quality Standards) are used as the SWPC (i.e., are compared directly to the contaminant concentrations in the groundwater plume(s)). The AQLC are not applicable to the Site since groundwater does not discharge to wetlands or an intermittent stream. The SWPC can be compared to plume concentrations immediately upgradient of the point of discharge to the surface water body or to the 95% upper confidence limit of the arithmetic mean of samples representative of the subject groundwater plume.

Groundwater in a GA area is required to meet background concentrations unless the conditions described below are met, then compliance with the GWPC is permitted.

- Concentrations in groundwater are below the GWPC.
- One of the following conditions is met:
    - Public water is available within 200 ft. of the site, within 200 ft. of all abutting properties, and within 200 ft. of all properties within the aerial extent of the plume; the plume is not located in an aquifer protection area; and the plume is not located within the area of influence of any public water supply well.
    - The plume is a diminishing state groundwater plume prior to any remediation.
    - Reduction of concentrations in groundwater to background concentrations cannot be achieved using sound engineering and hydrogeologic remediation practices.

Provided concentrations in groundwater are compliant with the GWPC, compliance with background concentrations is not required since public water is available within 200 ft. of the Site, within 200 ft. of all abutting properties, and within 200 ft. of all properties within the aerial extent of the plume. In addition, any plumes at the Site are not located in an aquifer protection area and are not located within the area of influence of any public water supply well.

The volatilization criteria (VC) apply to groundwater polluted with VOCs within a certain depth beneath the ground surface or a structure depending on the type of VOC present. The VC apply to groundwater within 10 feet of the ground surface or lowest portion of a building if it is polluted with petroleum substances and 30 feet for VOCs other than petroleum substances.

There are both residential and industrial/commercial default VC; residential VC apply to properties except those used solely for industrial or commercial activity, provided an EUR is in effect which ensures that the parcel will not be used for any residential purpose in the future, and that any future use of the parcel is limited to industrial or commercial activity. Since an EUR has not been recorded for the Site, the Residential VC (RVC) would currently apply to the Site.

There are VC that apply to concentrations in groundwater (GWVC) and those that apply to concentrations in soil vapor (SVVC). Compliance with the VC can be demonstrated using either contaminant concentrations in groundwater compared to the GWVC or using contaminant concentrations in soil vapor compared to the SVVC.

4.1.3 **REC 1** – Diesel Fuel Release at Loading Dock
REC 2 - Coolant Release from Emergency Generator
AOC 1- Loading Dock Area, Storm Drain, and Southeast Stormwater Detention Basin
AOC 6 – Two Emergency Diesel ASTs

These four RECs/AOCs are presented together due to their proximity, common contaminants of concern (COCs) and release mechanisms.

A diesel fuel release occurred at the loading docks in May 2011. Diesel fuel was released to paved surfaces and a nearby catch basin and conveyed to a stormwater detention basin located southeast of the building. According to records, the release was contained, and "hard" surfaces cleaned of residual fuel.

Two backup emergency generators are present at the Site, one in the parking lot southwest of the building and one adjacent to the south wall of the building and west of the loading dock area; each generator is equipped with a diesel storage tank. June 2017 records indicate that a hose on one of the generators failed leading to a release of approximately 40-gallons of coolant inside the generator enclosure. Approximately 5-gallons of coolant seeped through seams of the enclosure onto a concrete pad and gravel near the enclosure.

JDS presumably received, shipped and managed chemicals and hazardous materials, including wastes, at the loading docks. In addition, hydraulic oil associated with two hydraulic compactors, and potential temporary storage of oil or chemicals in the dumpsters may have resulted in releases in the area.

Soil samples collected from borings L1985-1, -2, -3MW, -4, -7, -13, and -15 and from B6 through B11, B17, B18, B32, B40, B41 and B58 were used to evaluate these RECs and AOCs.

COCs identified for the RECs and AOCs include volatile organic compounds (VOCs), ETPH, SVOCs or PAHs; ethylene glycol (EG) and propylene glycol (PG) (REC 2 only); and 1,4-dioxane, per- and polyfluoroalkyl substances (PFAS) and RCRA 8 metals plus copper, nickel, and zinc and alcohols (AOC 1 only). 1,4-Dioxane and PFAS are COCs for AOC 1 since former manufacturing of fiber optic components may have used or generated wastes containing these emerging contaminants.

VOCs, glycols and alcohols were not detected in soil samples. The results of metals testing applicable to AOC 1 are discussed in **Section 4.1.6 (AOC 2 and AOC 8).**

Releases associated with the coolant release were not evident and additional investigation and remediation are not warranted.

Low-level ETPH contamination is present in surficial soil near the loading docks, at L1985-1 and in deeper soil (10-11 fbg) at L1985-3MW; PAHs were not detected. The concentrations in these samples were all below remedial criteria. The surficial contamination near the loading docks is likely related to incidental releases from the normal operation of motor vehicles. The deeper contamination in L1985-3MW is likely related to cross-contamination from surficial soils mixing with deeper soils during drilling. Additional evaluation and remediation are not warranted near these borings.

Low-level ETPH and PAH contamination was detected in surficial soil at L1985-15, near the stormwater outlet pipe in the southern stormwater detention basin; concentrations are below remedial criteria. Surficial soil samples collected from B17 and B18 contained PAHs below criteria. The release of diesel fuel to the catch

basin in the loading dock area apparently resulted in residual contamination below remedial criteria in the stormwater basin. Alternatively, the PAH detections may be due to temporary storage of stormwater in the basin that contains PAHs leached from asphalt parking areas. Additional evaluation and remediation are not warranted near these borings.

Low levels of PAHs or ETPH were detected in surficial soil collected from L1985-7 (near the emergency generator/AST southwest of the building), and L1985-13, B9, and B32 (near the emergency generator west of the loading docks). The contamination may be due to placement of contaminated fill during installation of the generator enclosures. Additional evaluation and remediation are not warranted near these borings.

Surficial soil samples collected from borings near the generator southwest of the building (B10 and B11) did not contain detectable PAHs, however ETPH was detected in sample B10 0.3-1 fbg above the RDEC and GA PMC potentially related to a release during refueling of the generator. Leachable ETPH was not detected in the sample, demonstrating compliance with the PMC. The ETPH release at B10 was delineated vertically by sample B10 1-3 fbg and laterally by samples B40 0.3-1 fbg and B41 0.3-1 fbg, in which ETPH was not detected. The ETPH release is limited to the shallow soils in the vicinity of B10 and remediation is warranted.

COCs were not detected in groundwater associated with AOC 1 and REC 1. The release of diesel fuel at REC 2 extended to 1 foot deep, approximately 10 feet above the water table, and potential impacts to groundwater associated with the release are not expected.

4.1.4 **REC 3** - Historical Barn/Warehouse and Fire
AOC 7 - Former 7,000-gallon Heating Oil Underground Storage Tank (UST)

REC 3 and AOC 7 are presented together since the former barn/warehouse, associated outdoor storage area and the former fuel oil UST were located in proximity to one another on the southern portion of the Site.

The former barn/warehouse was destroyed in May 1994 by a structure fire that was extinguished using water. The structure was used for storing pesticides, herbicides, and other chemicals, and as office space in its eastern portion. Following the fire, samples of air, surface wipes, water runoff from firefighting, and surficial soil were analyzed for pesticides. Low levels of pesticides were detected in one water runoff sample.

An approximately 6,750-gallon heating oil UST was reportedly located north of the northeastern corner of the barn/warehouse. In addition, aerial photographs indicate that an outdoor storage area was present near the northwestern corner of the barn.

Soil samples collected from borings L1985-8, -9, and -10MW and B26, B27, B27A, B28, B29 and B44 through B54 were used to evaluate soil within, or near the footprint of the barn. Soil samples collected from borings B30, B31, B42 and B43 were used to evaluate soil within the outdoor storage area, and B24/MW6, B24A, B25, B55, B56 and B57 were used to evaluate soil near the UST.

COCs for REC 3 and AOC 7 include VOCs, ETPH, SVOCs or PAHs, pesticides, herbicides, and RCRA 8 metals plus copper, nickel, and zinc (REC 3 only).

Fill materials, including non-native red-brown soil and/or non-soil materials (asphalt, coal, brick, concrete, glass, and ash) was encountered from ground surface to approximately 8.5 fbg in borings L1985-8, L1985-10, B27, B29, B45, B48, B49, B51 and B56. A presumed basement concrete floor associated with the former barn/warehouse building was encountered in borings L1987-8, L1985-10, B26, B27, B27A, B29, B45, B47, B48 and B51 at various depths between approximately 6 and 10 fbg. The shallower depths of concrete may be remnants of foundation walls that were pushed into the basement after the fire.

Based on material encountered in B24/MW6, B25, B55, B56 and B57, these borings are located outside the former barn footprint. B29, B49 and B51 are within an “entrance/exit” structure on the north side of the barn,

apparent in aerial photographs. B50 appears to be located outside the northwest corner of the "entrance/exit". B28 and B44 are located west of the barn footprint and L1985-9, B53 and B54 are apparently located within the office area that was constructed between 1935 and 1941 at the eastern end of the building which may have been a slab-on-grade addition, without a basement. It appears that at least a portion of the demolished structure and imported fill material were placed inside the footprint of the barn to backfill the basement and may have also been spread and placed northeast of the structure in the vicinity of B56.

The VOC, acetone was detected in soil samples L1985-10MW 1-3 ft. and B47 2-4 fbg at concentrations below RSR criteria. The apparent acetone contamination may be related to laboratory-induced contamination. The SVOC, isophorone was detected in soil sample B26 8-10 fbg at a concentration below RSR criteria. This sample was collected just below the apparent concrete floor of the basement and the isophorone is likely a result of a chemical reaction between concrete in the sample and acetone used by the laboratory and not related to a release.

Herbicides were not detected in soil samples.

Low-level VOC (naphthalene, xylenes and/or MEK) contamination was detected in samples B27 2-4 fbg, B27A 2-4 fbg and B47 2-4 fbg at concentrations below RSR criteria. The contamination may be due to the presence of demolished building materials, potentially containing materials that were stored in the basement prior to the fire.

Low-level ETPH and/or PAH contamination were detected in surficial soil near L1985-9, L1985-10MW, B24/MW6, B45, B55, B57 and in deeper soil at B26 8-10 fbg, B27A 2-4 fbg, B28 6-8 fbg, B29 6-8.5 fbg, B44 2-4 fbg, B45 4-6 fbg, B46 2-4 fbg, B47 2-4 fbg, B48 4-5 fbg, B52 4-6 fbg and B54 6-8 fbg, at concentrations below RSR criteria. Soil collected from B26 5-7.5 fbg and B27 2-4 fbg contain ETPH and SVOCs, respectively, at concentrations above the RDEC, I/C DEC and/or GA PMC. Leachable SVOCs/PAHs in the B27 sample and leachable ETPH in the B26 sample were below the GWPC, demonstrating compliance with the PMC.

The ETPH release at B26 was delineated vertically by sample B26 8-10 fbg in which ETPH was not detected and laterally by B52 4-6 fbg, B53 6-8 fbg and B54 6-8 fbg. The SVOC release at B27 was delineated vertically by samples B27A 4-6 fbg and B27 6-7.5 fbg and laterally by B47 2-4 fbg, B48 2-4, B48 4-5 fbg and B52 4-6 fbg, in which SVOCs/PAHs were either not detected or detected below RSR criteria. Remediation is required near B26 and B27 and the releases are sufficiently delineated vertically and laterally to proceed with remediation.

PAHs were also detected above the RDEC, I/C DEC and/or GA PMC in soil samples outside the northeast corner of the presumed barn/warehouse footprint from B56 2-4 fbg and B56 4-6 fbg. Leachable PAHs in the 2 to 4 fbg sample were below the GWPC, demonstrating compliance with the PMC. The 4-6 fbg sample was not tested for leachable PAHs, however concentrations of PAHs in the sample were below or similar in concentrations to PAHs detected in B27 2-4 fbg, therefore soil from B56 4-6 fbg is likely compliant with the PMC. PAH contaminants encountered in B56 may be attributed to the presence of demolished/burned building materials containing ash and brick or imported backfill that was used to backfill the footprint of the former barn/warehouse and likely spread out in the vicinity of B56 prior to the area being paved. The release at B56 was partially delineated laterally by samples B24A 2-4 fbg, B25 2-4 fbg and B55 0-2 fbg. Remediation is required near B56, and the release is sufficiently delineated laterally in most directions. Additional evaluation to delineate the vertical and lateral extent of contamination in this area may be desired prior to remediation.

Pesticides, and in some cases, elevated metals (arsenic, barium, cadmium, chromium, lead and/or nickel), were detected in soil in and near the footprint of the barn in surficial soil at B24/MW6, B50, B53, B55 and B57 and in deeper soil at B24A 2-4 and 4-6 fbg, B27 2-4 fbg, B28 6-8 and 16-18 fbg, B29 6-8.5 fbg, B44 2-4 and 16-18 fbg, B47 8-9.5 fbg and B56 2-4 fbg; concentrations in most cases exceed the GA PMC. Leachable pesticides in the samples tested were below the GWPC, including those with some of the highest concentrations of total pesticides, demonstrating compliance with the PMC.

The chlordane concentration in samples B24/MW6 0-2 fbg and B55 0-2 fbg (near the northeast corner of the barn) are above the RDEC. The pesticide releases at B24/MW6 and B55 were delineated vertically by samples B24A 2-4 fbg and B25 2-4 fbg and laterally by samples B57 0-2 fbg and B56 2-4 fbg. Remediation is required near B24/MW6 and B55 and the pesticide contamination is sufficiently delineated vertically and laterally in most directions to proceed with remediation.

Total metals were either not detected or reported at concentrations within the ranges of naturally-occurring levels present in uncontaminated soil except for elevated concentrations of arsenic, barium, cadmium, chromium, lead, mercury, nickel and/or zinc in L1985-9, L1985-10MW, B26, B48 and B51. Where tested, these samples did not contain detectable pesticides.

Leachable metals in the tested samples are compliant with the GA PMC except as described below.

Total arsenic in sample B29 6-8.5 fbg exceeds the RDEC and I/C DEC and leachable arsenic and lead exceed the GA PMC. The metals exceedances in B29 were delineated vertically by soil sample B29 9-11 fbg and laterally by soil samples B50 6-8 fbg, B51 6-7.5 fbg, B49 4-6 fbg and B49 6-8 fbg. Remediation is required near the boring and the contamination is sufficiently delineated vertically and laterally to proceed with remediation.

The leachable lead concentration in soil sample B44 2-4 fbg exceeds the GA PMC. The exceedance is delineated vertically by B44 4-6 fbg and partially delineated laterally by B28 6-8 fbg. Additional evaluation to delineate the lateral extent of contamination in this area may be desired prior to remediation.

The ETPH, VOC, PAH, pesticide and metals contaminants co-occur in backfill material that is within the footprint of the barn. The contamination is attributed to the presence of demolished building materials including ash, and may also contain materials that were stored in the basement prior to the fire. The contaminated material requiring remediation is likely irregular and may occur throughout the entire barn footprint.

COCs were not detected in groundwater samples collected in May 2021, September 2023 and May 2024 from L1985-10MW located within the barn/warehouse footprint.

Evidence of a surficial pesticide release in the vicinity of the outdoor storage area near the northwest corner of the barn was identified based on surficial soil samples tested from B31, B42 and B43.

Surficial samples collected from B31, B42 and B43 that contained total pesticides above the GA PMC were tested for leachable pesticides with the results below the GWPC, demonstrating compliance with the PMC. The pesticide release to surficial soil by B31, B42 and B43 has been sufficiently delineated and no further evaluation is warranted.

In addition, a deeper soil sample collected from 12 to 14 fbg at B42 contained total pesticides below applicable criteria. The contamination in the deeper sample may be due to releases near B31, B42 and B43 or from a release associated with an unknown source or off-site source located upgradient of the former outdoor storage area.

Samples collected at B28 6 to 8 fbg and below the water table at B28 16 to18 fbg and B44 16-18 fbg, located outside of the barn foundation and downgradient of the release area at B31, B42 and B43, contained total pesticides in some cases, above the GA PMC. Leachable pesticides in the samples were below the GWPC, demonstrating compliance with the PMC. The contamination at B28 and B44 may be related to pesticide storage at or near the two borings if the outdoor storage area encompassed the area immediately west of the building. The contamination in samples collected below the water table may be due to releases in the storage area or to an unknown source or off-site source located upgradient of these borings that resulted in down gradient, soil-adsorbed contamination below the water table. Based on the current data, remediation is not required, however additional investigations are warranted.

Based on conditions observed in six borings completed in the reported area of the UST, the UST is no longer present and was apparently removed from the ground. Evidence of a release in the vicinity of the UST was not observed based on surficial and deeper samples analyzed from B24/MW6, B24A, B25, B55, B56 and B57. In addition, groundwater collected from B24/MW6 did not contain detectable levels of ETPH, VOCs or PAHs. Low-level PAH detections in surficial soil at B24/MW6, B55 and B57 are likely related to runoff from adjacent paved surfaces containing PAHs leached from asphalt pavement. Sufficient investigation associated with the UST has been completed and remediation is not required.

4.1.5 REC 4 - Release from Snow Removal Equipment

Snow removal equipment is at times stored in the eastern end of the northern parking lot. During a site visit, Stantec observed oily staining on pavement in this area. One stain appeared wet from a recent equipment leak and was observed intersecting a crack in the pavement.

Boring L1985-5MW, B12, B13 and B14 were used to evaluate the REC. COCs for REC 4 include VOCs, ETPH, and PAHs.

A constituent of petroleum products, m,p-xylene, was detected below remedial criteria in a surficial soil collected from L1985-5MW; VOCs were not detected in surficial samples from B12, B13, and B14.

Low-level ETPH and/or PAH contamination was detected in surficial soil at B12 and B13 at concentrations below remedial criteria. The release of fuel associated with snow removal equipment storage in this area apparently resulted in residual contamination below remedial criteria.

The nature, extent and degree of VOC, ETPH and PAH contamination at this REC have been evaluated and all concentrations are below the RDEC and GA PMC, therefore additional evaluation or remediation is not warranted.

COCs were not detected in groundwater collected in May 2021, September 2023 and May 2024 from L1985-5MW with the exception of ETPH in groundwater collected in May 2021. Although not a COC, nickel was detected in groundwater collected in May 2024. ETPH and nickel concentrations were below applicable criteria and groundwater collected in May 2021 was turbid which may have resulted in the apparent ETPH contamination due to soil-adsorbed contaminants in the sample. Samples collected in September 2023 and May 2024 from these wells were not turbid and ETPH was not detected. The nickel contamination may represent a transient condition, since the metal was detected on only one occasion. Additional groundwater monitoring will be required to evaluate compliance.

4.1.6 AOC 2 - Agricultural Use
AOC 8 - Former Barns in the Central and Southeastern Portions of the Site

The western and central portions of the Site were used for tobacco cultivation from before 1943 through the 1990s. In addition, three barns were located at the Site, one of which was located near the southern property line and reportedly used for chemical storage (see REC 3). The other barns are assumed to have been used for tobacco drying and were located in the southern portion of the stormwater detention basin and near the central portion of the current building.

Borings L1985-3MW, L1985-6MW, L1985-7, and L1985-15, B1/MW1, B2/MW2, B3/MW3, B4/MW4, B5/MW5, B6 through B9, B11, B12, B17 through B20, B20A, B32, B33, B59, B60 and B61 were used to evaluate the AOCs. Borings L1985-3MW, B3/MW3, B4/MW4 and B5/MW5 are downgradient of the former barn located in the central portion of the current building and B19, B20, B20A, B59, B60 and B61 are specific to the southeastern barn. The remainder of the samples are applicable to AOC 2. Samples used to characterize the

area near the southern barn (REC 3) and the suspected dumping area (AOC 4) are discussed in **Sections 4.1.4 and 4.1.8**, respectively.

COCs identified for AOCs 2 and 8 include VOCs, ETPH, SVOCs or PAHs (AOC 8); and, pesticides, herbicides and RCRA 8 metals plus copper, nickel, and zinc (AOCs 2 and 8).

Pesticides (primarily DDD, DDE, DDT, dieldrin and/or chlordane) were detected above the GA PMC in surficial soil from borings L1985-7, L1985-15, B2/MW2, B3/MW3, B4/MW4, B5/MW5, B9, B11, B12, B17, B18, B19, B20, B33, B59, B60 and B61 and in 2-4 foot-interval samples from B60 and B61. Lower levels of pesticides, below criteria, were detected in other surficial and deeper samples. Samples containing the highest concentrations of pesticides were tested for leachable pesticides which were not detected or were below the GWPC, demonstrating compliance with the GA PMC.

Chlordane was detected at AOC 8 in B20 0-2 fbg at a concentration above the RDEC and below the I/C DEC. The release is delineated vertically by sample B20A 2-4 fbg and laterally by samples B59 0-2 fbg, B60 0-2 fbg and B61 0-2 fbg. Remediation is warranted to attain compliance with the RDEC.

Total metals were either not detected or reported at concentrations within the ranges of naturally-occurring levels present in uncontaminated soil except for elevated concentrations of specific metals at the following AOC 2 borings: L1985-7 (nickel), B17 (copper, nickel and zinc) and B18 (copper, lead and zinc). Total and leachable metals concentrations at these locations are compliant with the RDEC and GA PMC.

Herbicides were not detected in samples applicable to AOCs 2 and 8.

In some cases, pesticides and elevated metals co-occur in surficial soil throughout the Site. The concentrations are consistent with historical application of pesticides. Sufficient investigation has been completed associated with AOC 2 and remediation is not required.

ETPH and VOCs were not detected in samples collected at AOC 8. Total metals were either not detected or reported at concentrations within the ranges of naturally-occurring levels present in uncontaminated soil.

Low-level PAH contamination (below criteria) is present in surficial soil at B1/MW1 and as described in **Section 4.1.9**, may be due to placement of contaminated backfill during construction of the building or to leaching of PAHs from asphalt pavement. Remediation or additional evaluation of the contamination is not warranted.

One of more PAHs were detected in B20 0-2 fbg, B59 0-2 fbg, B60 0-2 fbg and B61 0-2 and 2-4 fbg. The concentrations in B61 0-2 fbg are above the RDEC. The contamination does not appear to be due to storage of chemicals inside the former barn since the same PAHs, with similar ratios, were detected in samples collected in the northwestern portion of the stormwater detention basin, approximately 200 ft. from the former barn location, and in the suspected dumping area (AOC 4), approximately 150 ft. west of the former barn. The PAHs in all three locations are likely related to impacts from stormwater containing PAHs leached from asphalt parking areas and the roadway.

COCs were not detected in groundwater collected from wells B1/MW1, B2/MW2, B3/MW3, B4/MW4, B5/MW5 L1985-3MW and L1985-6MW in May 2021, September 2023 and/or May 2024 with the exception of the following:

- Pesticides (dieldrin, heptachlor epoxide) and chromium were detected in the sample collected from L1985-3MW in May 2024 with dieldrin above the GWPC.
- SVOCs (benzyl alcohol, 2-methyl phenol and 3+4 methyl phenol) were detected in the sample collected from L1985-3MW in September 2023 below applicable criteria.

The pesticide, chromium and SVOC contamination may represent transient conditions, since they were detected on one occasion. Additional groundwater monitoring will be required to evaluate compliance.

4.1.7 AOC 3: Exterior Oil-Filled Transformers

Several pad-mounted oil-filled electrical transformers are present at the Site. One transformer is located near the northwestern corner of the building, one near the southeastern corner of the building (west of the loading docks), one in the northeastern corner of the site, and transformers and/or electrical equipment are located near the northwestern corner of the stormwater detention basin. A spill of less than 1 gallon of oil was documented at one of the transformers, which was reportedly contained and removed.

Soil samples collected from borings L1985-12, -13, -14 and B15, B16, B33 and B34 were used to evaluate the AOC.

COCs identified for AOC 3 are ETPH and PCBs.

PCBs were not detected in surficial samples collected from the borings.

Low-level ETPH contamination was detected in surficial soil at L1985-12 (northwestern corner of the building), L1985-13 (southeastern corner of the building), and L-1985-14 (northeastern corner of the site); concentrations are below remedial criteria. ETPH was not detected in surficial soil collected near transformers in the northeastern corner of the site (B15 and B16) or near the northwestern corner of the stormwater detention basin B33 and B34). The low levels of ETPH near the transformers may be related to residual contamination from normal equipment maintenance activities.

The nature, extent and degree of ETPH contamination near the transformers have been sufficiently evaluated, and concentrations are below the RDEC and GA PMC, therefore additional evaluation or remediation is not warranted.

4.1.8 AOC 4 – Suspected Dumping Area

Historical dumping was identified throughout the Site as indicated in a 2000 Phase I ESA reviewed by Stantec during its completion of the 2021 Phase I ESA. In 2021, Stantec observed a sign near the southeastern corner of the Site that read “No Dumping”. Small amounts of trash were observed in this area indicating the dumping had occurred.

COCs identified for AOC 4 include VOCs, ETPH, SVOCs, PCBs, pesticides, herbicides, and RCRA 8 metals plus copper, nickel and zinc.

Soil samples collected from borings L1985-11, B21, B22, B23/MW7, B62, B63 and B64 were used to evaluate this AOC.

VOCs were not detected in surficial samples collected from the borings.

Surficial soil samples collected from L1985-11, B21, B22, B23/MW7, B62, B63 and B64 contained PAHs, ETPH, and/or pesticides at concentrations below applicable RSR criteria, and metals concentrations were within the ranges of naturally-occurring levels present in uncontaminated soil with the following exceptions:

- PAHs concentrations in B21 and B64 are above the RDEC and GA PMC; leachable PAHs were not detected in sample B21 demonstrating compliance with the PMC. Total arsenic and lead were elevated in B21, but below criteria.

- Leachable lead in B23/MW7 exceeds the GA PMC and an elevated level of total mercury was present, below criteria.
- Pesticides were present in B21, B22, B23/MW7, B62, B63 and B64 at concentrations above the GA PMC; leachable pesticides were below the GWPC demonstrating compliance with the PMC with the exception of dieldrin in B23/MW7 and B64. The dieldrin concentration in B64 exceeds the RDEC.

COCs were not detected in groundwater collected in September 2023 and May 2024 from B23/MW7.

The PAH, metals and/or pesticide releases in B21, B23/MW7, B63 and B64 were delineated vertically by soil samples collected from 2-4 fbg. Remediation is required near the borings and the releases have been sufficiently delineated to proceed with remediation.

4.1.9 **AOC 5** – Former JDS Uniphase Site Operations

The Site was developed with the current site building circa 2000 and occupied by JDS until 2004 when the building was occupied by Eversource for use as office space and a call/data center. JDS manufactured fiber optic components. Areas where JDS may have used and managed chemicals included two production areas, a clean room, and loading dock area at locations shown on **Figure 5**.

JDS was a SQG of hazardous waste, including ignitable waste, corrosive acids, corrosive bases, spent halogenated and non-halogenated solvents, bisphenol (epoxy adhesive), chromium, silver, lead, alcohols, acetone, chlorobenzene and toluene. Chemicals used in JDS processes include degreasers, silver-containing solutions, potassium iodine gold etch, acids and caustics.

Phase III and Supplemental investigations included borings and monitoring wells located along the downgradient southern and eastern sides of the building (B1/MW1, B2/MW2, B3/MW3, B4/MW4, B5/MW5 and L1985-3MW), borings completed in the southeastern portion of the building in the JDS clean room (B35 through B39), and soil vapor samples collected throughout JDS production and clean room areas and the loading dock (SV-1 through SV-18).

COCs identified for AOC 5 include VOCs, ETPH, SVOCs, alcohols, and RCRA 8 metals plus copper, nickel, and zinc. In addition, 1,4-dioxane and PFAS are COCs since former manufacturing of fiber optic components may have used or generated wastes containing these emerging contaminants.

Surficial and water table soil samples collected from B1/MW1 through B5/MW5 did not contain detectable VOCs, ETPH, SVOCs or alcohols and metals concentrations were within the ranges of naturally-occurring levels present in uncontaminated soil with the following exceptions:

- Low levels of PAHs in surficial, or near-surface, samples from B1/MW1, B4/MW and B5/MW, below criteria.

The apparent PAH contamination in soil at the above locations near the building may be due to placement of contaminated soil as backfill during construction of the building or to leaching of PAHs from pavement (at B1/MW1). These detections are not attributed to JDS operations inside the building. Remediation or additional evaluation of the apparent contamination is not warranted.

Groundwater collected from the wells did not contain detectable concentrations of VOCs, ETPH, SVOCs, PFAS, alcohols or metals with the following exceptions:

- Barium was detected in the majority of samples, at concentrations within the range which occurs naturally in groundwater.

- PFAS compounds were detected in all of the samples at concentrations ranging 8.5 ng/L to 55 ng/L. The highest concentrations were detected in L1985-3MW and B4/MW4, located near the southeastern corner of the building downgradient of the largest Production Area, the Clean Room and the loading area. Note that these concentrations are the sum of compounds (perfluoroheptanoic acid (PFHpA), perfluorohexane sulfonic acid (PFHxS), perfluorononanoic acid (PFNA), perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA)) which have established soil remediation criteria and an established GWPC of 70 ng/L. The reported concentration sums were below the GWPC. In addition, there were two or three other PFAS compounds detected which do not have established groundwater criteria. Perfluorodecanesulfonic acid (PFDS) was not detected in groundwater samples despite its presence in one soil sample (discussed below). Note that other groundwater remedial criteria (SWPC, RVC or I/C VC) for PFAS have not been established which, when established, would apply to the Site.
- The SVOCs 2-methyl phenol, 3+4 methyl phenol and benzyl alcohol were detected previously in groundwater collected from L1985-3MW, located near the loading docks, at concentrations below applicable RSR criteria, where established. The presence of these compounds may be associated with former JDS operations at the site. SVOCs were not detected in the most recent round of groundwater samples.

Soil samples collected inside the building did not contain detectable concentrations of VOCs, 1,4-dioxane, ETPH, SVOCs, PFAS or alcohols and metals concentrations were within the ranges of naturally-occurring levels present in uncontaminated soil with the following exception:

- PFDS was detected at 0.11 µg/kg in B36 0.5-1.5 fbg; PFAS were not detected in a deeper sample from the boring or in borings northeast and south-southwest of the boring. The location of the boring is shown on **Figure 5**.
- Elevated levels of cadmium, chromium, and nickel were detected in sample B36 0.5-1.5 fbg at concentrations below applicable RSR criteria.

Remedial criteria for PFDS have not been established.

The nature, extent and degree of PFAS contamination in soil has been sufficiently evaluated and remediation is not required based on the existing data.

Sub-slab soil vapor samples were collected from vapor points and tested for VOCs, including 1,4-dioxane, to indicate where potential soil or groundwater source areas may be present associated with the former JDS operations.

Nine VOC compounds, including 1,4-dioxane, acetone, MEK, ethanol, isopropyl alcohol, ethylbenzene, xylenes (m,p- and o-), and PCE) were detected in soil vapor collected from one or more of the sub-slab vapor points (SSVPs) in November 2023 (during the heating season), whereas only acetone and ethanol were detected in vapor collected during the cooling season in August 2024 . The concentrations detected during the sampling are below residential and industrial/commercial soil vapor volatilization criteria, where established.

Since the results of testing during the two sampling events are vastly different, a third round of sampling is planned during the 2024/2025 heating season to determine whether detections reported in November 2023 are representative.

4.1.10 **AOC 9**: Potential Off-Site Sources

The undeveloped land west, and upgradient, of the Site (1995 Blue Hills Avenue Extension) was formerly used for agricultural purposes (i.e., tobacco cultivation).

COCs identified for AOC 9 include VOCs, ETPH, PAHs, pesticides, herbicides and RCRA 8 metals plus copper, nickel, and zinc.

Boring L1985-6MW, as well as soil samples collected below the water table from borings located in the southwestern portion of the Site (B28 16-18 fbg and B44 16-18 fbg), were used to evaluate this AOC.

COCs were not detected in soil sample L1985-6MW 12-14 fbg collected below the water table. Total metals were either not detected or reported at concentrations within the ranges of naturally-occurring levels present in uncontaminated soil.

Pesticides were detected in soil collected below the water table at B28 and B44 above the GWPC, however leachable pesticides were below the GWPC, demonstrating compliance with the PMC. The contamination may be due to releases in the REC 3 storage area or to an off-site source located upgradient of these borings that resulted in downgradient, soil-adsorbed contamination below the water table. Based on the current data, remediation is not required, however additional investigations are warranted.

The pesticides (DDE, DDT and heptachlor epoxide) were detected at concentrations below RSR criteria in groundwater collected on two occasions from L1985-6MW. The well is the most upgradient well, located northwest of the site building and downgradient of the adjacent parcel that was formerly used for agricultural purposes. The presence of pesticides in L1985-6MW is likely associated with agricultural use of the adjacent property, and/or other properties located upgradient of the Site since these pesticides have not been detected in groundwater samples collected from other on-site wells.

4.1.11 Site-Wide Groundwater Quality

Depths to groundwater measured in May 2021 at L1985-3MW, -5MW, -6MW and -10MW ranged from approximately 10.6 to 17.3 fbg. Depths to groundwater measured on September 21, 2023 at Phase II/III wells ranged from approximately 8.9 to 15.6 fbg. Depths to groundwater measured on May 13, 2024 at the wells ranged from approximately 7.3 to 14.0 fbg. Depths measured in May 2024 were approximately three feet shallower compared to May 2021 and the May 2024 data may represent the seasonal high water table. Depth to groundwater during the seasonal low water table, typically September or October, is unknown since the depths to water measured in May 2021 (typical high water time period) were significantly lower than measured in September 2023. Groundwater flow on all three occasions was toward the southeast.

Groundwater samples collected in September 2023 and/or May 2024 from the site-wide monitoring wells were analyzed for one or more AOC-specific COCs, including VOCs, 1,4-dioxane, ETPH, SVOCs, herbicides, pesticides, alcohols, glycols, PFAS and RCRA 8 metals plus copper, nickel and zinc, Contaminants were not detected in groundwater with the exceptions described above, specific to individual AOCs and RECs. Other results are discussed below.

ETPH was detected in groundwater collected in May 2021 from L1985-5MW and L1985-6MW, and copper, lead, and nickel were detected in groundwater collected from L1985-6MW. All concentrations are below the GWPC and SWPC with the exception of ETPH in L1985-6MW, which exceeded the GWPC, SWPC, RVC and the I/C VC. Based on groundwater sampling logs provided in the Phase II report, samples collected from L1985-5MW and -6MW were turbid which may have resulted in the apparent groundwater contamination due to soil-adsorbed contaminants in samples. Samples collected in September 2023 and May 2024 from these wells were not turbid, and ETPH and elevated levels of metals were not detected with the exception of nickel in L1985-5MW, detected at a concentration below the GWPC and SWPC during May 2024. The well is located near the northeastern corner of the building and groundwater beneath the northeastern portion of the building may flow toward the well.

Barium was detected in groundwater collected in 2021, 2023 and 2024 from several wells at concentrations below applicable RSR criteria and within the range of naturally-occurring concentrations present in

uncontaminated groundwater. The data do not represent the presence of a barium source area or groundwater contamination, and additional investigation of barium that is present in several groundwater samples is not warranted.

4.2 Non-Aqueous Phase Liquid Remediation Standards

Removal of non-aqueous phase liquids (NAPL) from soil and groundwater are required by the RSRs to the maximum extent practicable defined as the greatest degree of remediation that can be achieved using sound engineering and hydrologic practices without taking cost into consideration.

NAPL was not observed in soil samples collected from borings completed at the Site and in groundwater collected from monitoring wells at the Site during previous investigations.

5.0 REMEDIAL ACTION OPTIONS

The potential remedial approaches for release areas that require remediation include excavation and off-site disposal of soil containing ETPH, pesticides, metals and/or PAHs, use of RSR exemptions, variances or alternative criteria, and administrative controls.

5.1 Option 1: Soil Excavation

Option 1 includes excavation/removal and off-site disposal or reuse of soil that does not meet the RDEC and GA PMC as shown on Table 2A. The extents of the proposed excavation areas are shown on Figure 6A and the estimated extent of excavations, contaminants that exceed criteria, approximate excavation depths and volume of soil in each of the RECs and AOCs requiring remediation are presented below.

RECs and AOCs (Sample and Depth Interval)	Contaminants and Criteria Exceeded	Approx. Extent (sq. ft.)	Approx. Depth (ft.)	Approx. Volume (cu. yd.)
AOC 6 (B10 0.3-1 fbg)	ETPH (RDEC)	130	1 (0-1 fbg)	5
AOC 4 (B21 0-2 fbg)	PAHs (RDEC)	1,200	2 (0-2 fbg)	90
AOC 4 (B23/MW7 0-2 fbg)	Leachable Lead (Pb) and/or Leachable Pesticides (dieldrin) (GA PMC)			
AOC 4 (B64 0-2 fbg)	PAHs (RDEC/GA PMC*) Pesticides (dieldrin) (RDEC), Leachable Pesticides (dieldrin) (GA PMC)			
AOC 8 (B20 0-2 fbg)	Pesticides (chlordane) (RDEC)	1,000	2 (0-2 fbg)	80
AOC 8 (B61 0-2 fbg)	PAHs (RDEC/GA PMC*)			
REC 3 (B24/MW6 0-2 fbg and B55 0-2 fbg)	Pesticides (chlordane) (RDEC)	800	2 (0-2 fbg)	60
REC 3 (B56 2-4 fbg and B56 4-6 fbg)	PAHs (RDEC and GA PMC*)	800	6 (0-6 fbg)	180
REC 3 (B26 5-7.5 ft.)	ETPH (RDEC)	9300	8 (0 to 7.5 fbg)	

RECs and AOCs (Sample and Depth Interval)	Contaminants and Criteria Exceeded	Approx. Extent (sq. ft.)	Approx. Depth (ft.)	Approx. Volume (cu. yd.)
REC 3 (B29 6-8.5 ft.)	Arsenic (As) (RDEC) Leachable As and Pb (GA PMC)		9 (0 to 8.5 fbg)	2,800 (assumes excavation to 8 fbg)
REC 3 (B27 2-4 ft.)	PAHs (RDEC)		4 (0 to 4 fbg)	
REC 3 (B44 2-4 ft.)	Leachable Pb (GA PMC)	400	4 (0 to 4 fbg)	60
			Total	3,300

**Assumes leachable PAH concentrations in untested samples are similar to concentrations in samples tested which indicate compliance with the GWPC. Confirmatory sampling/testing will be required for leachable PAHs as well as other COCs.*

The advantages of this option include a permanent remedy in a short time period that allows for the fullest range of site redevelopment options without any use or activity limitations. Disadvantages include relatively high costs associated with soil removal and disposal when compared to the other scenarios described below.

The estimated opinion-of-cost (+40/-20%) for this option ranges from $922,000 to $1,614,000. This estimate does not include landscape, surface or underground utility restoration costs (if necessary). A copy of the estimated opinion-of-cost for Option 1 is included in **Appendix D**.

5.2 Option 2: Soil Excavation and Use of Alternative Release-Specific PMC

Option 2 includes excavation/removal and off-site disposal or reuse of impacted soil that does not meet the RDEC and GA PMC with exception of one of the soil areas that exceeds the GA PMC for lead, specifically at REC 3 near B44 (approximately 60 cu. yd.). Use of an LEP-calculated release-specific PMC allows comparison of total lead results to the alternative PMC.

In accordance with RSR Section 22a-133k-2(d)(4), ZUVIC calculated an alternate PMC for lead of 234 mg/kg, as shown in **Appendix B**. Comparison of the alternate PMC to the total lead results from B44 2-4 fbg demonstrates that the soil meets the criterion.

Note that soil collected at AOC 4 from B23/MW7 0-2 fbg and REC 3 from B29 6-8.5 fbg contain total lead below the alternate PMC, however there are other constituents in these samples (dieldrin or arsenic) that exceed criteria and excavation of soil will therefore be required under this option. Contaminant concentrations in these samples exceed alternative PMC calculated for total dieldrin and arsenic.

Use of the alternative PMC is subject to the following conditions:

- Compliance groundwater monitoring is required in accordance with 22a-133-3(h) with results below applicable groundwater criteria (GWPC and SWPC).
- Notification to the Commissioner of the CTDEEP for the use of the optional criteria and submittal of the calculations in accordance with 22a-133k(g). Approval for use of alternative PMC is not required.

The extents of the proposed excavation areas for option 2 are shown on **Figure 6B** and the estimated extent of proposed excavation, contaminants that exceed criteria, approximate excavation depths and volume of soil in each of the RECs and AOCs requiring remediation are presented below.

RECs and AOCs (Sample and Depth Interval)	Contaminants and Criteria Exceeded	Approx. Extent (sq. ft.)	Approx. Depth (ft.)	Approx. Volume (cu. yd.)
AOC 6 (B10 0.3-1 ft.)	ETPH (RDEC)	130	1 (0-1 fbg)	5
AOC 4 (B21 0-2 fbg)	PAHs (RDEC)	1,200	2 (0-2 fbg)	90
AOC 4 (B23/MW7 0-2 fbg)	Leachable Pesticides (Dieldrin) (GA PMC)			
AOC 4 (B64 0-2 fbg)	PAHs (RDEC/GA PMC*) Pesticides (Dieldrin) (RDEC), Leachable Pesticides (Dieldrin) (GA PMC)			
AOC 8 (B20 0-2 fbg)	Pesticides (Chlordane) (RDEC)	1,000	2 (0-2 fbg)	80
AOC 8 (B61 0-2 fbg)	PAHs (RDEC/GA PMC*)			
REC 3 (B24/MW6 0-2 fbg and B55 0-2 fbg)	Pesticides (Chlordane) (RDEC)	800	2 (0-2 fbg)	60
REC 3 (B56 2-4 fbg and B56 4-6 fbg)	PAHs (RDEC and GA PMC*)	800	6 (0-6 fbg)	180
REC 3 (B26 5-7.5 ft.)	ETPH (RDEC)	9300	8 (0 to 7.5 fbg)	2,800 (assumes excavation to 8 fbg)
REC 3 (B29 6-8.5 ft.)	Arsenic (As) (RDEC) Leachable As (GA PMC)		9 (0 to 8.5 fbg)	
REC 3 (B27 2-4 ft.)	PAHs (RDEC)		4 (0 to 4 fbg)	
			Total	3,250

**Assumes leachable PAH concentrations in untested samples are similar to concentrations in samples tested which indicate compliance with the GWPC. Confirmatory sampling/testing will be required for leachable PAHs as well as other COCs.*

The advantages of this scenario include a reduction in the volume of contaminated soil to be excavated compared with Option 1, a relatively short remediation time period that allows for the fullest range of site redevelopment options without any use or activity limitations.

Disadvantages of the scenario are similar to Option 1 and is contingent upon groundwater meeting remedial criteria. Use of the provision will require installation of a release-specific monitoring well at B44. Note that installation of a monitoring well near B44 and demonstration of groundwater compliance is required under all of the remedial options.

The estimated opinion-of-cost (+40/-20%) for this option ranges from $900,000 to $1,575,000. This estimate does not include landscape, surface or underground utility restoration costs (if necessary). A copy of the estimated opinion-of-cost for Option 2 is included in **Appendix D**.

5.3 Option 3: Soil Excavation and Industrial/Commercial Use Restriction

This option includes excavation of soil exceeding the I/C DEC and GA PMC, incorporation of Option 2 for demonstrating compliance for lead at B44 (use of alternative PMC) and recordation of an EUR limiting site use to industrial/commercial. In addition, this option involves submitting a request to the CTDEEP for use of

additional and alternative criteria for PAHs (AAC-PAHs) approvable for sites with an EUR permitting only industrial/commercial use. Comparison of the AAC-PAH and default criteria shows criteria for four PAH compounds are higher, and one compound is lower, on the AAC-PAH list. The AAC-PAH list must be used "in whole", that is all of the criteria on the list must be used. Table 2B provides a comparison of the list to concentrations in soil and the list is included in Appendix C. Concentrations of contaminants in all samples are compliant with the AAC-PAH list.

This scenario includes excavation/removal and off-site disposal or reuse of arsenic- and pesticide-impacted soil that does exceed the I/C DEC and/or the GA PMC at AOCs/RECs shown in the table below. The extents of the proposed excavation areas for Option 3 are shown on Figure 6C.

RECs and AOCs (Sample and Depth Interval)	Contaminants and Criteria Exceeded	Approx. Extent (sq. ft.)	Approx. Depth (ft.)	Approx. Volume (cu. yd.)
AOC 4 (B23/MW7 0-2 fbg)	Leachable Pesticides (dieldrin) (GA PMC)	1,200	2 (0-2 fbg)	90
AOC 4 (B64 0-2 fbg)	Leachable Pesticides (dieldrin) (GA PMC)			
REC 3 (B29 6-8.5 ft.)	Arsenic (As) (RDEC) Leachable As and Pb (GA PMC)	1,400	9 (0 to 8.5 fbg)	470 (assumes excavation to 9 fbg)
			Total	560

The advantages of this Option include a reduction in volume of contaminated soil to be excavated compared to Options 1 and 2.

Disadvantages of the Option include site use limitations prohibiting future residential use of the property (including day care centers, schools, playgrounds and outdoor recreational areas), preparation and recordation of an EUR, annual EUR inspections to verify use of the site for as long as the EUR remains in effect.

The estimated opinion-of-cost (+40/-20%) for this option ranges from $320,000 to $560,000. This estimate does not include costs for the required annual EUR inspections that will be required for the lifetime that the EUR is in place, nor costs for landscape and surface or underground utility restoration (if necessary). A copy of the estimated opinion-of-cost for Option 3 is included in Appendix D.

5.4 Groundwater Remediation

The existing data do not indicate any need for active remediation of groundwater. The presumptive remedy for any groundwater that exceeds criteria following soil remediation is monitored natural attenuation. Compliance with groundwater criteria will be demonstrated following completion of remedial excavations.

6.0 REMEDIATION OBJECTIVES

Mitigation of contaminated soil which exceeds remedial criteria is required at the areas, or portions thereof, described below:

- REC 3 – Former Barn/Warehouse, West of former Barn/Warehouse and Northeast of the former Barn/Warehouse
- AOC 4 – Dumping area located in the southeastern portion of the Site
- AOC 6 - Emergency generator AST southwest of the building
- AOC 8 – Former tobacco barn located in the southeastern portion of the Site

The remedial goals and objectives set forth in this RAP include:

- Remediation must include financially viable methods that have demonstrated success in protecting public health and the environment.
- Since the Site is in CT PTP, the CT RSRs apply to the Site. Therefore, soil quality must comply with the RDEC and the GA PMC, and groundwater quality must comply with the GWPC, SWPC and RVC. Compliance with background concentrations in groundwater is not required as described in Section 4.1.2.
- Remediation activities should be performed in such a way as to not significantly disturb the current and future use of the Site.
- Remediation and post-remediation activities must be completed within the timeframes agreed to by the property owner and specified in the CT PTP and the project schedule submitted to the CTDEEP.

7.0 REMEDIAL ACTION IMPLEMENTATION

Remedial Option 3 (excavation of soil exceeding the GA PMC and the I/C DEC and industrial/commercial use restriction) is the option chosen by Eversource. The specific tasks described below will be completed in advance of remediation.

7.1 Public Notice of Remediation and Intent to Record an Environmental Use Restriction

Public notice of remediation, including the intent to record an EUR, was completed in accordance with CGS Section 22a-133k-1(d). The following notices were completed:

- The Town of Windsor Mayor was notified in a letter dated January 17, 2025
- The Town of Windsor Health Director was notified in a letter dated January 17, 2025
- A notice was published in the Hartford Courant on January 17, 2025
- Notices were sent to Site abutters (Eversource at 1975 and 1995 Blue Hills Avenue Ext. Windsor; Griffin Corporate Office Park LLC at 2 Waterside Crossing, Windsor; and GRS Realty LLC, 1 Griffin Road South, Bloomfield) in letters dated January 17, 2025

Copies of the notices are included in Appendix E.

7.2 Required Permits and Approvals

Any permits required by the Town of Windsor will be obtained prior to performing the work.

The proposed remedial approach will not require any permits or approvals from the CTDEEP.

Approval(s) that will be required from the designated soil disposal/reuse facility(ies) will be sought prior to any excavation.

7.3 Health and Safety Requirements

Prior to starting any remediation activities, the site-specific Health and Safety Plan (HASP) will be updated to include the remedial actions detailed below. It is anticipated that all fieldwork will be performed in Level D Personal Protective Equipment (PPE). Remediation contractors will be required to contact Call-Before-You-Dig to locate underground utilities prior to commencing any excavation and/or boring work.

7.4 Commissioner Notice and Approvals

Notice will be submitted to the Commissioner of CTDEEP for use of the alternate GA PMC for total lead, RSR Section 22a-133k-2(d)(4). The notification will be completed in accordance with 22a-133k-1(g) and include submittal of the calculations related to determination of the alternative GA PMC. The notice will be completed prior to Verification of the Site.

In addition, CTDEEP approval for use of the additional and alternative criteria for PAHs will be sought.

7.5 Preparation for Remediation

Prior to the start of remedial activities, grab and composite soil characterization samples will be collected from the proposed remediation areas shown on **Figure 6C.** The samples will be submitted for analyses for parameters required by soil disposal/reuse facilities. The results of the data will be used to determine facilities that can accept the soil.

Waste profiles and manifests/shipping papers will be prepared by the remedial contractor and reviewed by ZUVIC prior to signature by Eversource.

7.6 Remedial Excavation

The remedial excavations will be completed with earth-moving equipment with the excavated soils loaded directly into trucks or roll-off containers or stockpiled for future loading and transportation off site. Any stockpiled soils will be placed on poly sheeting and covered by poly sheeting when not in use. Once loaded into trucks or roll-off containers, the soils will be transported to the disposal/reuse facility.

The excavations will be guided by field screening of soil with a photoionization detector (PID), visual observations and results of previous testing. Once excavations are complete at each remediation area, confirmation soil samples will be collected and analyzed as discussed in the next section.

Any groundwater monitoring wells located in excavation areas will be protected during excavations.

Following completion, the excavations will be backfilled with clean fill.

7.7 Confirmatory Soil Sampling

Confirmatory soil samples will be collected from the extents of remedial excavations (sidewalls and bases) and tested for COCs applicable to the release area. If the results of testing exceed remedial criteria, additional soil removal will be undertaken followed by additional confirmation sampling. This process will continue until COC concentrations in all confirmatory samples are below criteria.

7.8 Remedial Action Report

After remedial actions are complete, a Remedial Action Report (RAR) will be prepared and submitted to Eversource for review prior to submission to CTDEEP. The RAR will document the completed activities including figures showing the extent of the remedial measures, photographs depicting key points of the remediation work, disposal documentation and conclusions regarding the work completed. The RAR will include a summary of all environmental assessments, investigations, remedial activities completed at the Site and a description of compliance.

7.9 Compliance Groundwater Monitoring and Reporting

Compliance groundwater monitoring will be completed in accordance with the RSRs Section 22a-133k-3(h). A minimum of four groundwater sampling events will be completed which reflect seasonal variability on a quarterly basis, provided that all sampling events used to demonstrate compliance are performed within a two-year timeframe. Compliance groundwater monitoring will be completed once the results of testing demonstrate that groundwater meets applicable RSR criteria for a minimum of four seasonal groundwater sampling events. The compliance groundwater monitoring program will be initiated once remediation is complete.

Prior to compliance monitoring, additional groundwater monitoring wells will be installed downgradient of and near release areas, and near upgradient property lines to evaluate the quality of groundwater entering the Site. Groundwater collected from the release area monitoring wells will be sampled and analyzed for contaminants that were released in each area. Groundwater from upgradient property line wells will be tested for pesticides, metals and PFAS.

The compliance groundwater monitoring program will also satisfy the requirements for use of the alternate GA PMC calculated for lead.

7.10 Environmental Use Restriction

As required for an EUR to limit Site use to industrial/commercial activities, a survey of the property will be completed in accordance with RCSA 22a-133q-4 and documents associated with use of either an Environmental Land Use Restriction (ELUR) or a Notice of Activity and Use Limitation (NAUL) will be prepared and recorded on the land records. Annual inspections will be completed as required by RCSA Section 22a-133q-8. In addition, a Factsheet describing the EUR limitations will be posted in a conspicuous location at the Site or maintained in the records of a facility manager in accordance with Section 22a-133q-9.

7.11 Verification

Once compliance groundwater monitoring has been completed, compliance with the RSRs has been demonstrated, and the EUR is recorded, Site verification will be completed. The Verification report will include a summary of all environmental assessments, investigations and remedial activities completed at the Site and a description of compliance. The report will be submitted to Eversource for review prior to submission to CTDEEP.

Once the Verification has been accepted and approved by the CTDEEP, the monitoring wells will be removed from the Site.

8.0 LIMITATIONS

This report has been prepared for the exclusive use of Eversource and its counsel in connection with their evaluation of environmental conditions at the property and obligations under the Connecticut Property Transfer Law. The report is not to be used for any other purpose or by any other party without the written authorization of ZUVIC.

The conclusions provided in this report are based on the scope of work conducted and the sources of information used during this investigation. If additional pertinent information becomes available, it should be provided to ZUVIC so that we may modify this report as necessary.

In preparation of this report, ZUVIC relied on data provided by others and information and representations made available to ZUVIC at the time of this report. To the extent that such information is incomplete or inaccurate, ZUVIC is not responsible.

Assessment of the Site and preparation of the Remedial Action Plan, were conducted according to generally-accepted environmental assessment practices commonly in use at the time the work was completed. No other warranty is expressed or implied.

9.0 REFERENCES

"Phase I Environmental Site Assessment, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by Stantec Consulting Services Inc. (Stantec), dated July 13, 2021

"Phase II Environmental Site Assessment, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by Stantec, dated July 28, 2021

"2022 Well Receptor Survey, 1985 Blue Hills Avenue Extension, Windsor, CT (REM ID# 14862)" prepared by Stantec, dated June 6, 2022

Connecticut Department of Energy and Environmental Protection (CTDEEP), Remediation Standard Regulations, February 16, 2021.

"Phase II/III Environmental Site Assessment, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by ZUVIC, dated March 2024.

"Completion of Investigation, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by ZUVIC, dated March 21, 2024.

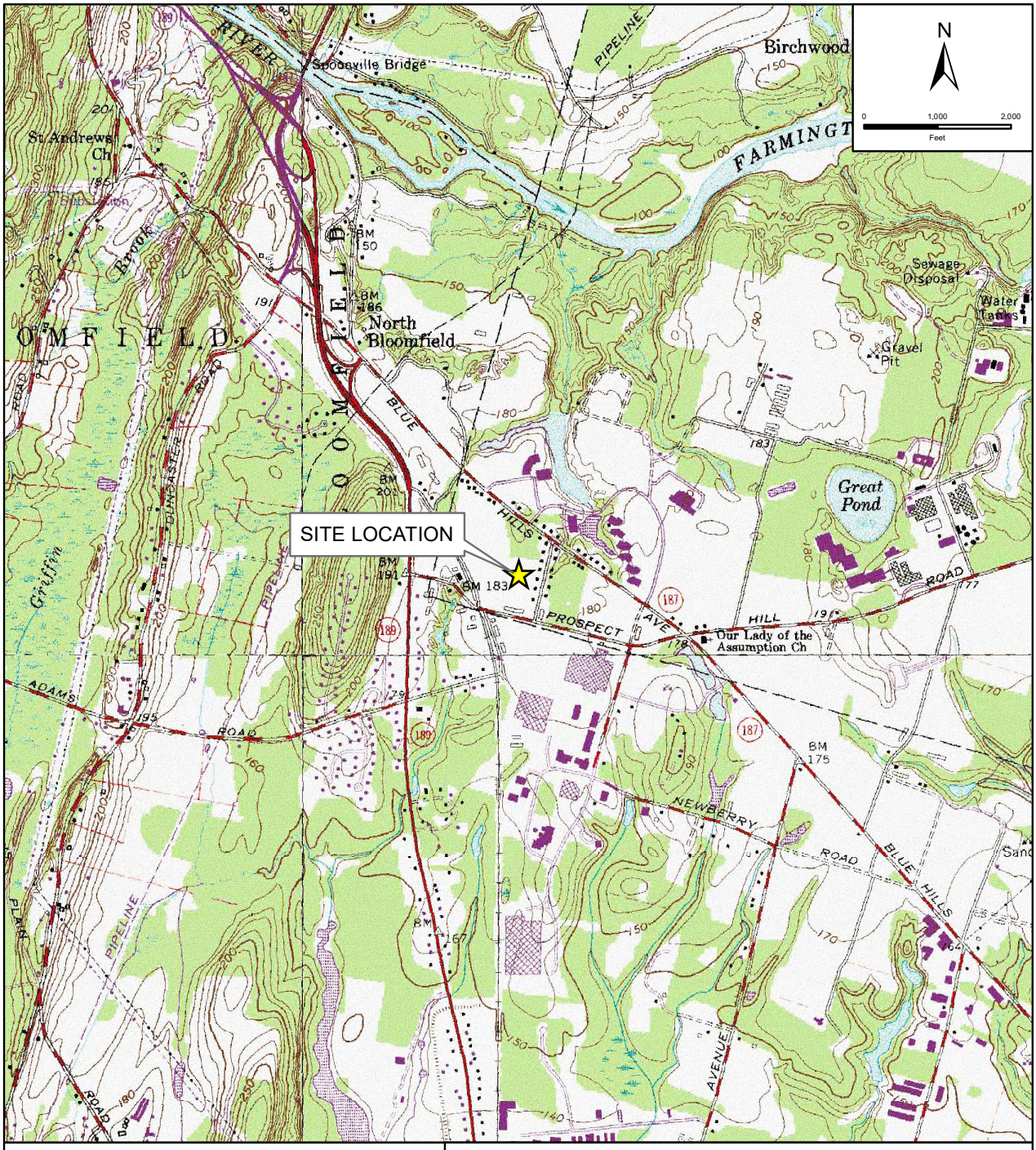
"Supplemental Investigation Report, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by ZUVIC, dated November 2024.

"Site Characterization Guidance Document,", September 2007, Revised December 2010, CTDEP.

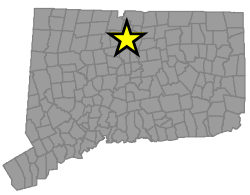
"Technical Support Document: Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests," September 2018, CTDEEP.

"Request for Approval of Criteria for Additional Polluting Substances," March 2022, CTDEEP.

Figures



SITE LOCATION



USGS QUADRANGLE: WINDSOR LOCKS, MAP # 22

SOURCE: USGS TOPOGRAPHIC MAP, HARTFORD COUNTY (2001 DRG)

SITE LOCATION MAP

1985 BLUE HILLS AVENUE EXTENSION
WINDSOR, CONNECTICUT

PREPARED FOR:	EVERSOURCE 107 SELDEN STREET BERLIN, CT 06037		
PREPARED BY:	ZUVIC INC. 40 COLD SPRING ROAD, ROCKY HILL, CT OFFICE (860) 436-4901 FAX (860) 436-4953		
SCALE: 1 in = 2,000 ft	DATE: AUGUST 14, 2023	PROJECT NO.: 23246-6	FIGURE 1

PROJECT NUMBER: 23246-6/ DATE: AUGUST 14, 2023/ FILE NAME: SITE LOCATION MAP



LEGEND

APPROXIMATE LOCATION OF PROPERTY BOUNDARY

MAP REFERENCE:

1. AERIAL IMAGERY DOWNLOADED FROM CT-ECO DATED SPRING 2019

0 150' 300'
SCALE: 1"=150'

REV. NO.	DATE	DRWN	CHKD	REMARKS

PROJECT NO.: 23246
DESIGNED BY: AA
DRAWN BY: DV
SHEET CHK'D BY: DP
CROSS CHK'D BY: VLM
APPROVED BY: VLM
DATE: NOVEMBER 2024

N

PREPARED FOR:
EVERSOURCE
107 SELDEN STREET
BERLIN,CONNECTICUT 06037

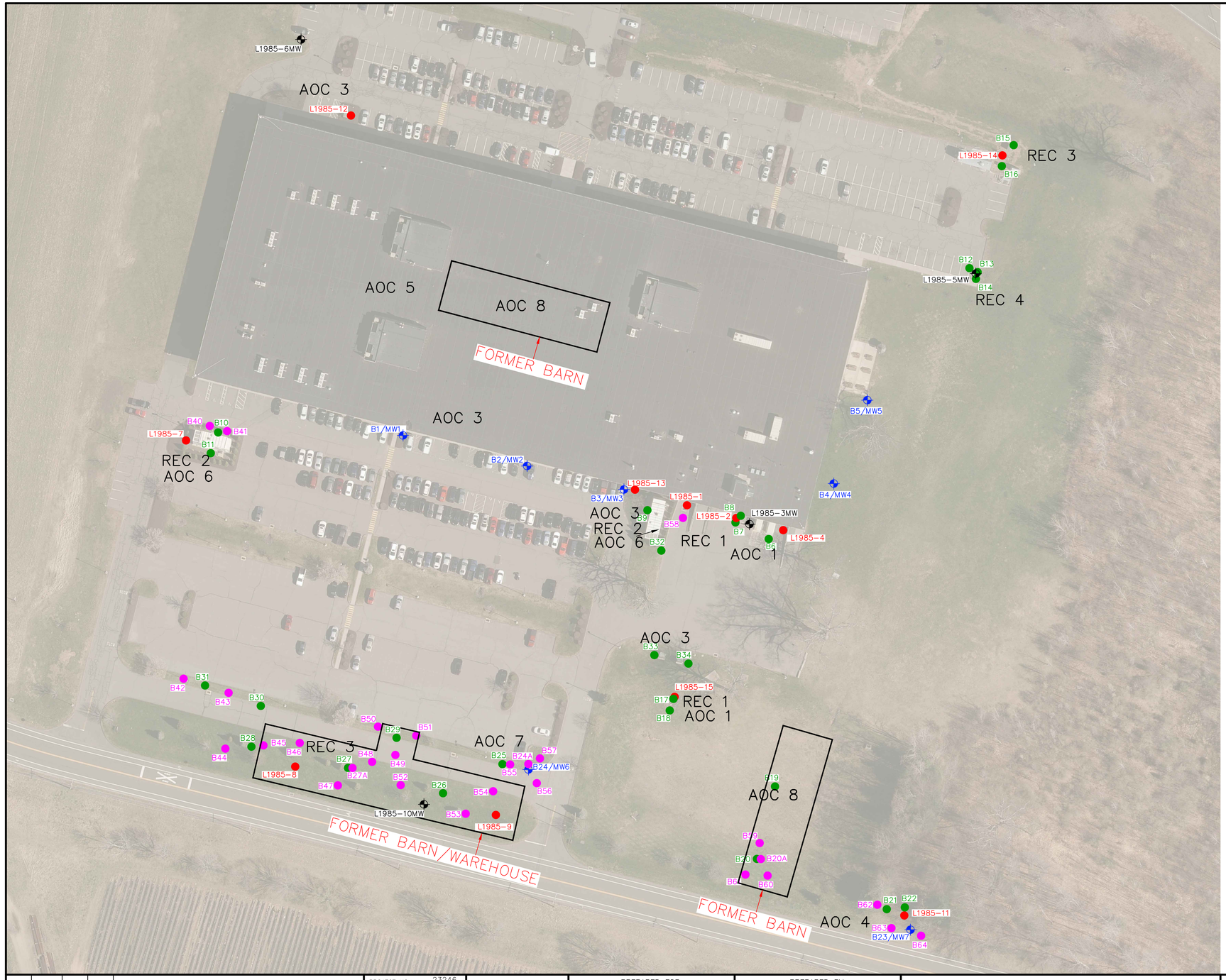
PREPARED BY:
ZUVIC INFRASTRUCTURE SOLUTIONS
40 Cold Spring Road, Suite 1, Rocky Hill, CT 06067
(860) 436-4901 WWW.ZUVIC.COM

REMEDIAL ACTION PLAN
1985 BLUE HILLS AVENUE EXTENSION,
WINDSOR,CONNECTICUT 06095

SITE PLAN

FIG NO.
2

FILE PATH: H:\Projects\23246 - Eversource Blue Hills Ave Windsor Phase III\AutoCAD\EN\23246 - Site Loction MapRAP.dwg PLOT DATE: 11/6/2024 PLOT TIME: 8:14:27 AM



LEGEND

PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA)

L1985-14 SOIL BORING LOCATION

L1985-6MW SOIL BORING AND MONITORING WELL LOCATION

PHASE III ENVIRONMENTAL SITE ASSESSMENT (ESA)

B4/MW4 SOIL BORING AND MONITORING WELL LOCATION

B18 SOIL BORING LOCATION

SUPPLEMENTAL INVESTIGATION

B59 SOIL BORING LOCATION

RECOGNIZED ENVIRONMENTAL CONDITIONS (RECs) AND AREAS OF CONCERN (AOCs)

REC 1: DIESEL FUEL RELEASE AT THE LOADING DOCK AREA
REC 2: COOLANT RELEASE FROM EMERGENCY GENERATOR
REC 3: HISTORICAL BARN/WAREHOUSE AND FIRE
REC 4: RELEASE FROM SNOW REMOVAL EQUIPMENT
AOC 1: LOADING DOCK AREA, STORM DRAIN, AND SOUTHEAST STORMWATER DETENTION BASIN
AOC 2: AGRICULTURAL USE
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AOC 8: FORMER BARNS IN THE CENTRAL AND SOUTHEASTERN PORTIONS OF THE SITE
AOC 9: POTENTIAL OFF-SITE SOURCES (NOT SHOWN)

NOTES

LOCATIONS AND DIMENSIONS DEPICTED ON THIS PLAN ARE APPROXIMATE

MAP REFERENCE:

1. ""Connecticut Environmental Conditions Online. CT ECO 2016 Imagery & Elevation. (n.d.). https: //cteco.uconn.edu/data/download/flight2016/index.htm

0 50' 100'
SCALE: 1"=50'

REV. NO.	DATE	DRWN	CHKD	REMARKS

PROJECT NO.: 23246
DESIGNED BY: ARM
DRAWN BY: DSP
SHEET CHK'D BY: DP
CROSS CHK'D BY: VLM
APPROVED BY: VLM
DATE: NOVEMBER 2024

N

PREPARED FOR:

EVERSOURCE

107 SELDEN STREET
BERLIN,CONNECTICUT

PREPARED BY:

ZUVIC INFRASTRUCTURE ■ SOLUTIONS
40 Cold Spring Road, Suite 1, Rocky Hill, CT 06067
■ (860)436-4901 ■ WWW.ZUVIC.COM

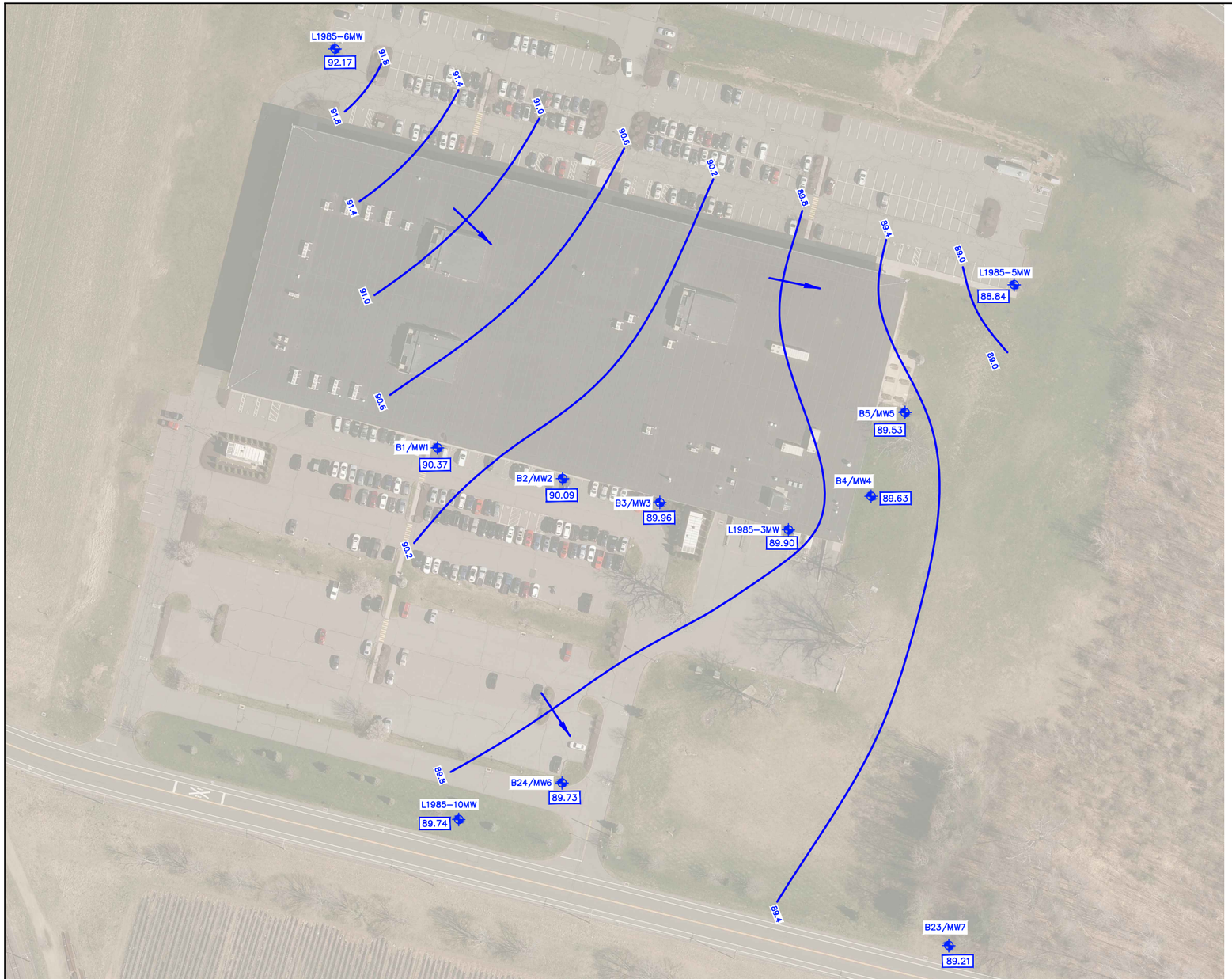
REMEDIAL ACTION PLAN

1985 BLUE HILLS AVENUE EXTENSION,
WINDSOR, CONNECTICUT

SOIL BORING AND WELL LOCATION MAP

FIGURE
3

FILE PATH: H:\Projects\23246 - Eversource Blue Hills Ave Windsor Phase III\Auto\CADEN\23246 - Boring and Well Location MapRAP.dwg PLOT DATE: 11/6/2024 PLOT TIME: 1:13:49 PM



LEGEND

- PRMW-1 — MONITORING WELL LOCATION
- 88.84 — GROUNDWATER ELEVATION MEASURED ON MAY 13, 2024
- 84.70 — GROUNDWATER CONTOUR (INFERRED)
- INFERRED DIRECTION OF GROUNDWATER FLOW

MAP REFERENCE:

1. AERIAL IMAGERY DOWNLOADED FROM CT-ECO DATED SPRING 2019

0 100' 200'
SCALE: 1"=100'

FILE PATH: H:\Projects\23246 - Eversource Blue Hills Ave Windsor Phase III\AutoCAD\EN\23246 - Boring and Well Location Map - May 2024 GW Contour MapRAP.dwg PLOT DATE: 11/6/2024 PLOT TIME: 8:53:13 AM

REV. NO.	DATE	DRWN	CHKD	REMARKS

PROJECT NO.: 23246
DESIGNED BY: AA
DRAWN BY: DV
SHEET CHK'D BY: DP
CROSS CHK'D BY: VLM
APPROVED BY: DP
DATE: NOVEMBER 2024

N

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EVERSOURCE
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BERLIN,CONNECTICUT 06037

PREPARED BY:
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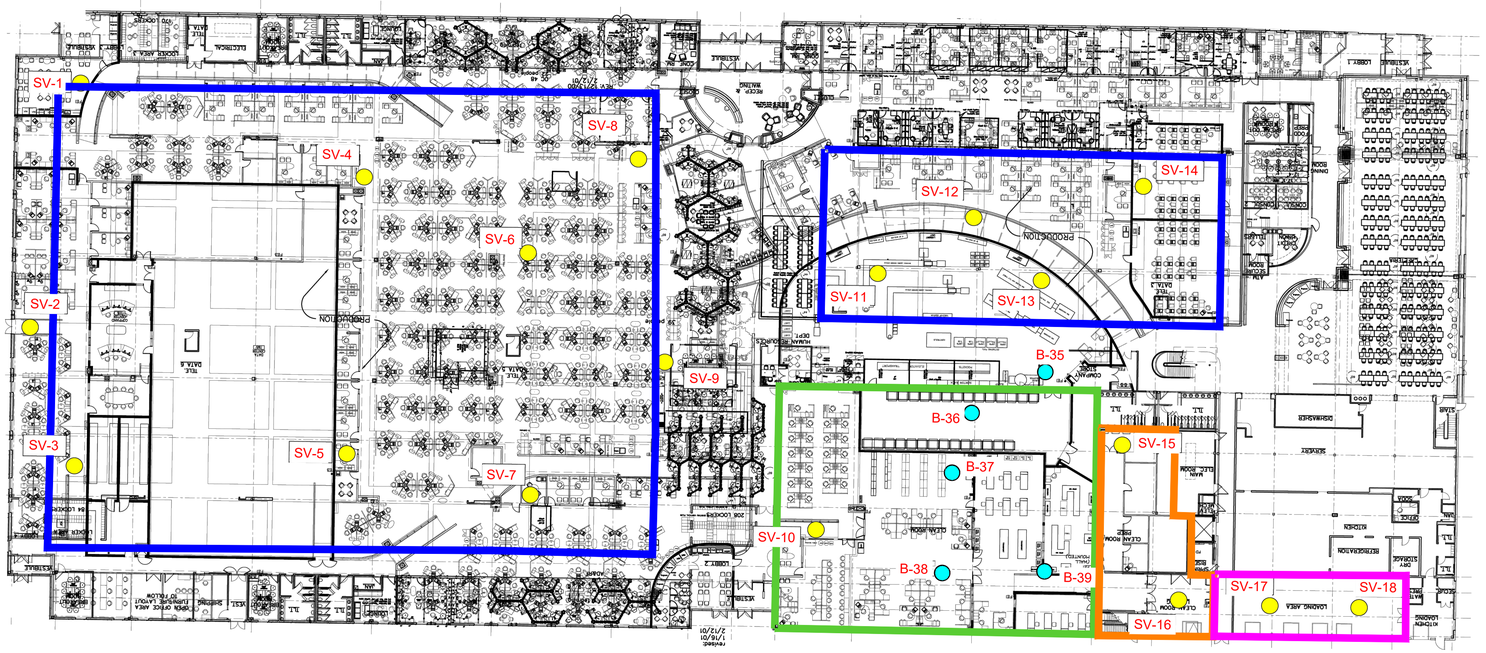
REMEDIAL ACTION PLAN
1985 BLUE HILLS AVENUE EXTENSION,
WINDSOR,CONNECTICUT 06095

GROUNDWATER CONTOUR MAP
MAY 13, 2024

FIG NO.
4

SITE PLAN



0 30' 60'
SCALE: 1"=30'



0 200' 400'
SCALE: 1"=200'

MAP REFERENCE:

1. "Connecticut Environmental Conditions Online. CT ECO 2016 Imagery & Elevation. (n.d.). https://cteco.uconn.edu/data/download/flight2016/index.htm

LEGEND

- SV-10 — APPROXIMATE LOCATION OF SUB-SLAB SOIL VAPOR POINT (NOVEMBER 2023 AND AUGUST 2024)
- B-38 — APPROXIMATE LOCATION OF INTERIOR SOIL BORING (OCTOBER 2023)
- FORMER PRODUCTION AREA
- FORMER CLEAN ROOM
- LOADING DOCK AREA
- FORMER CLEAN ROOM PREP AND LOADING AREA

BUILDING PLAN REFERENCE:

1. " TENANT FLOOR PLAN", DATED 09-21-2000, SCALE 1 / 16'' = 1'-0 BY MOSER PILON NELSON ARCHITECTS.
2. " WINDSOR OPERATIONS CENTER MAIN LEVEL MASTER FURNITURE PLAN WINDSOR, CONNECTICUT" DATED 03-10-2011, SCALE 1/ 16'' = 1'-0''

NOTES

LOCATIONS AND DIMENSIONS DEPICTED ON THIS PLAN ARE APPROXIMATE

REV. NO.	DATE	DRWN	CHKD	REMARKS

PROJECT NO.: 23246
DESIGNED BY: AA
DRAWN BY: DSP
SHEET CHK'D BY: DP
CROSS CHK'D BY: VLM
APPROVED BY: VLM
DATE: NOVEMBER 2024

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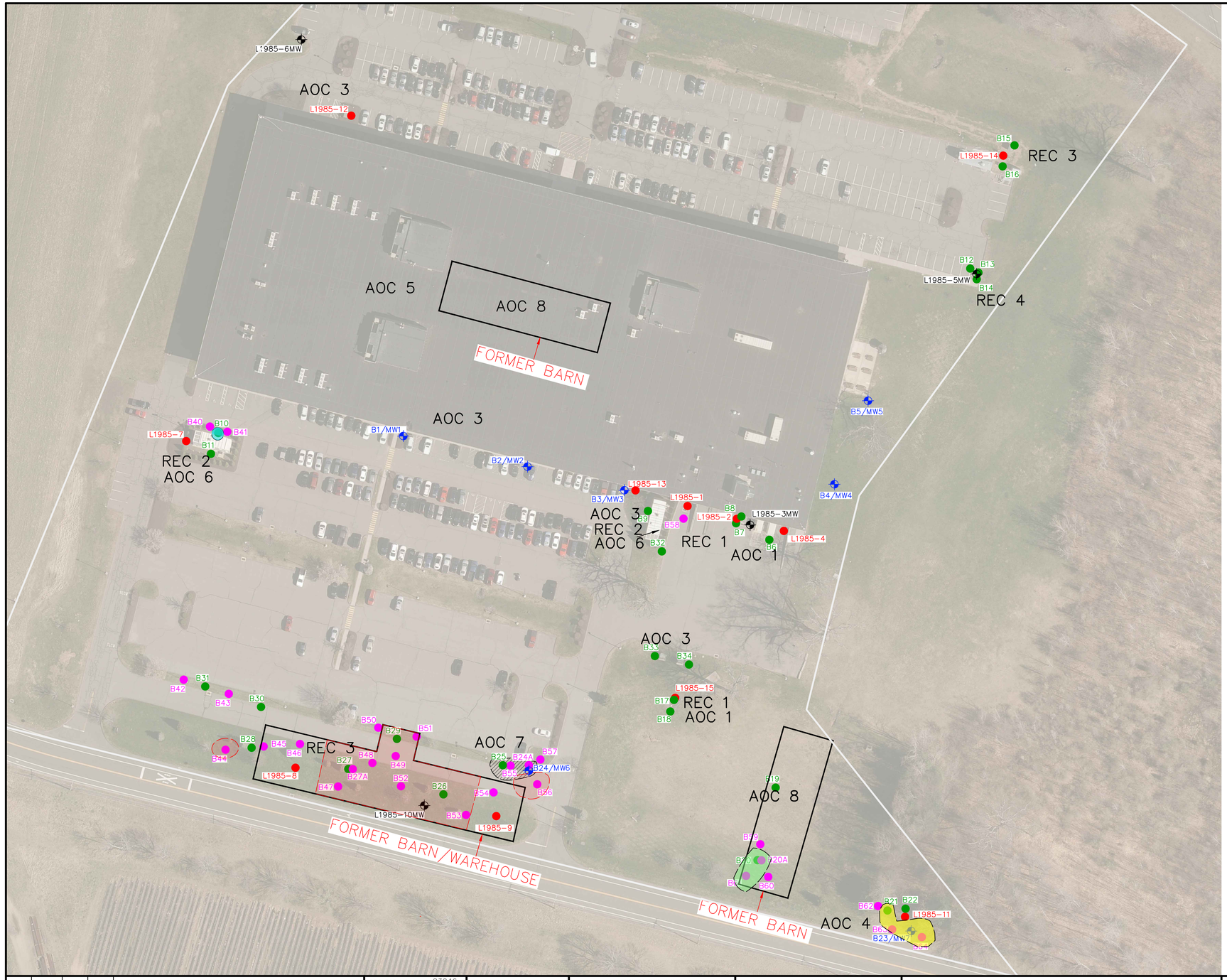
REMEDIAL ACTION PLAN
1985 BLUE HILLS AVENUE EXTENSION,
WINDSOR, CONNECTICUT

INTERIOR SOIL BORING AND SUB-SLAB SOIL VAPOR POINT LOCATION MAP

FIGURE
5

FILE PATH: H:\Projects\23246 - Eversource Blue Hills Ave Windsor Phase III\AutoCAD\EN23246 - SV NOVEMBER 2023RAP.dwg PLOT DATE: 11/6/2024 PLOT TIME: 8:55:06 AM



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LEGEND

PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA)

- L1985-14 — SOIL BORING LOCATION
- L1985-6MW — SOIL BORING AND MONITORING WELL LOCATION

PHASE III ENVIRONMENTAL SITE ASSESSMENT (ESA)

- B4/MW4 — SOIL BORING AND MONITORING WELL LOCATION
- B18 — SOIL BORING LOCATION

SUPPLEMENTAL INVESTIGATION

- B59 — SOIL BORING LOCATION

RECOGNIZED ENVIRONMENTAL CONDITIONS (RECs) AND AREAS OF CONCERN (AOCs)

REC 1: DIESEL FUEL RELEASE AT THE LOADING DOCK AREA
REC 2: COOLANT RELEASE FROM EMERGENCY GENERATOR
REC 3: HISTORICAL BARN/WAREHOUSE AND FIRE
REC 4: RELEASE FROM SNOW REMOVAL EQUIPMENT
AOC 1: LOADING DOCK AREA, STORM DRAIN, AND SOUTHEAST STORMWATER DETENTION BASIN
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- APPROXIMATE LIMITS OF SOIL EXCEEDANCE AREA, DASHED WHERE INFERRED (ETPH-IMPACTED SOIL, GROUND SURFACE TO 1 FT.)
- APPROXIMATE LIMITS OF SOIL EXCEEDANCE AREA, DASHED WHERE INFERRED (PESTICIDE-IMPACTED SOIL, GROUND SURFACE TO 2 FT.)
- APPROXIMATE LIMITS OF SOIL EXCEEDANCE AREA, DASHED WHERE INFERRED (PAHs AND/OR PESTICIDE-IMPACTED SOIL, GROUND SURFACE TO 2 FT.)
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NOTES

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0 50' 100'
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EVERSOURCE

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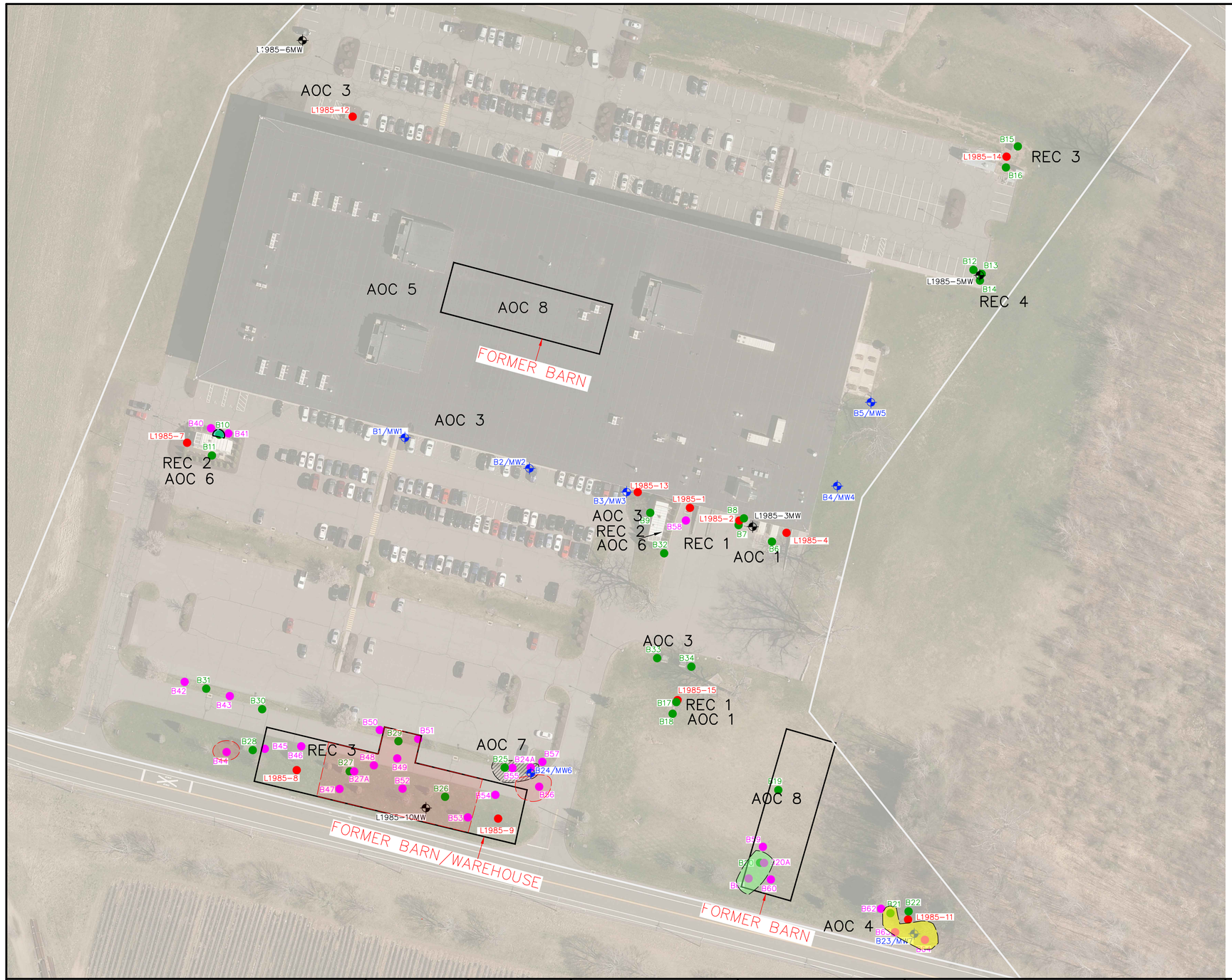
REMEDIAL ACTION PLAN

1985 BLUE HILLS AVENUE EXTENSION,
WINDSOR, CONNECTICUT

SOIL EXCEEDANCE AREAS

FIGURE

6



LEGEND

PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA)

L1985-14 SOIL BORING LOCATION

L1985-6MW SOIL BORING AND MONITORING WELL LOCATION

PHASE III ENVIRONMENTAL SITE ASSESSMENT (ESA)

B4/MW4 SOIL BORING AND MONITORING WELL LOCATION

B18 SOIL BORING LOCATION

SUPPLEMENTAL INVESTIGATION

B59 SOIL BORING LOCATION

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REMEDIAL ACTION PLAN

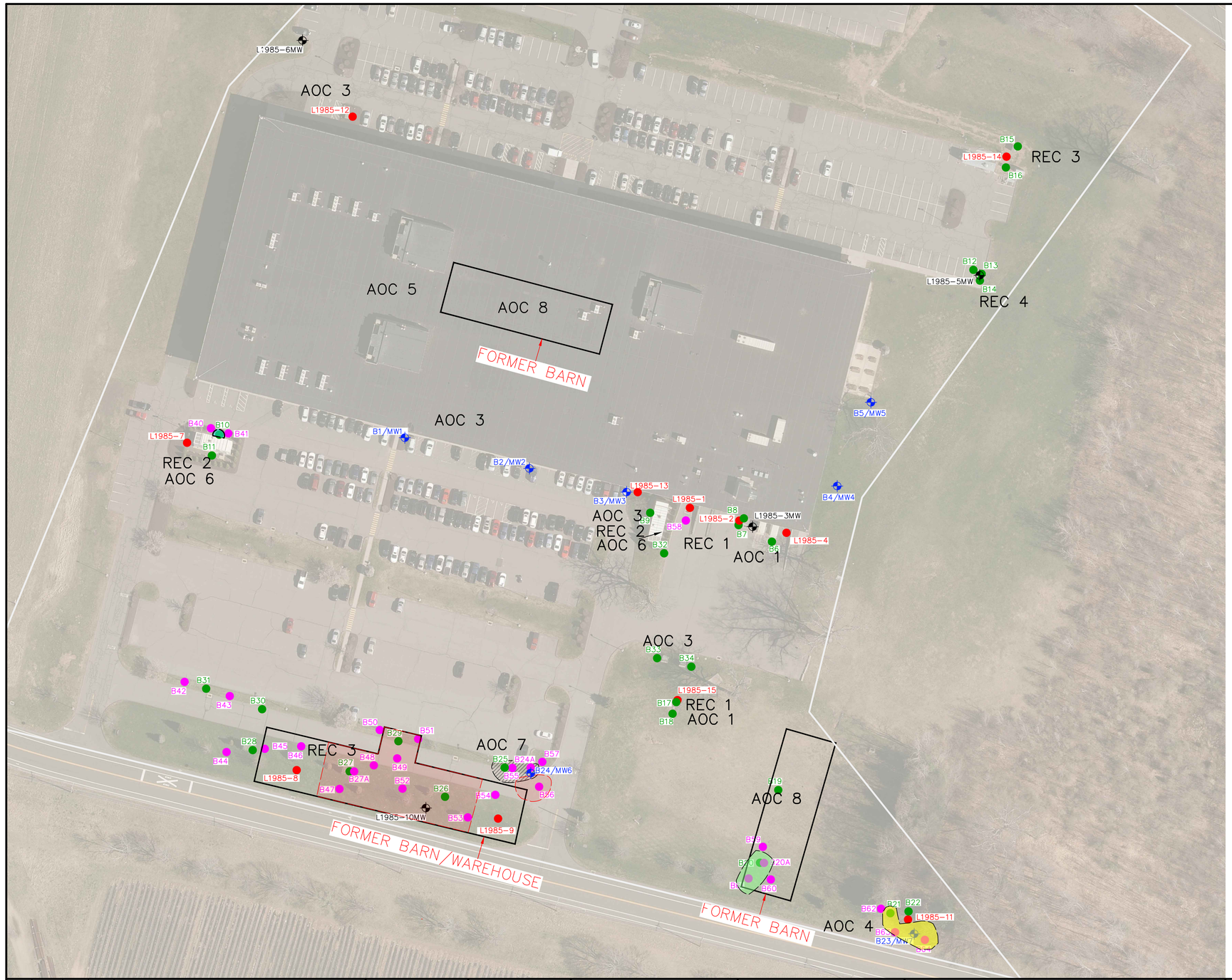
1985 BLUE HILLS AVENUE EXTENSION,
WINDSOR, CONNECTICUT

OPTION 1: SOIL EXCAVATION
PROPOSED REMEDIAL EXCAVATION AREAS

FIGURE

6A

FILE PATH: \\ZUVIC-DC01\data\Projects\23246 - Eversource Blue Hills Ave Windsor Phase III\Auto\CAD\EN\23246 - Boring and Well Location Map - Figure 6RAP.dwg PLOT DATE: 1/23/2025 PLOT TIME: 10:09:08 AM



LEGEND

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SUPPLEMENTAL INVESTIGATION

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REMEDIAL ACTION PLAN

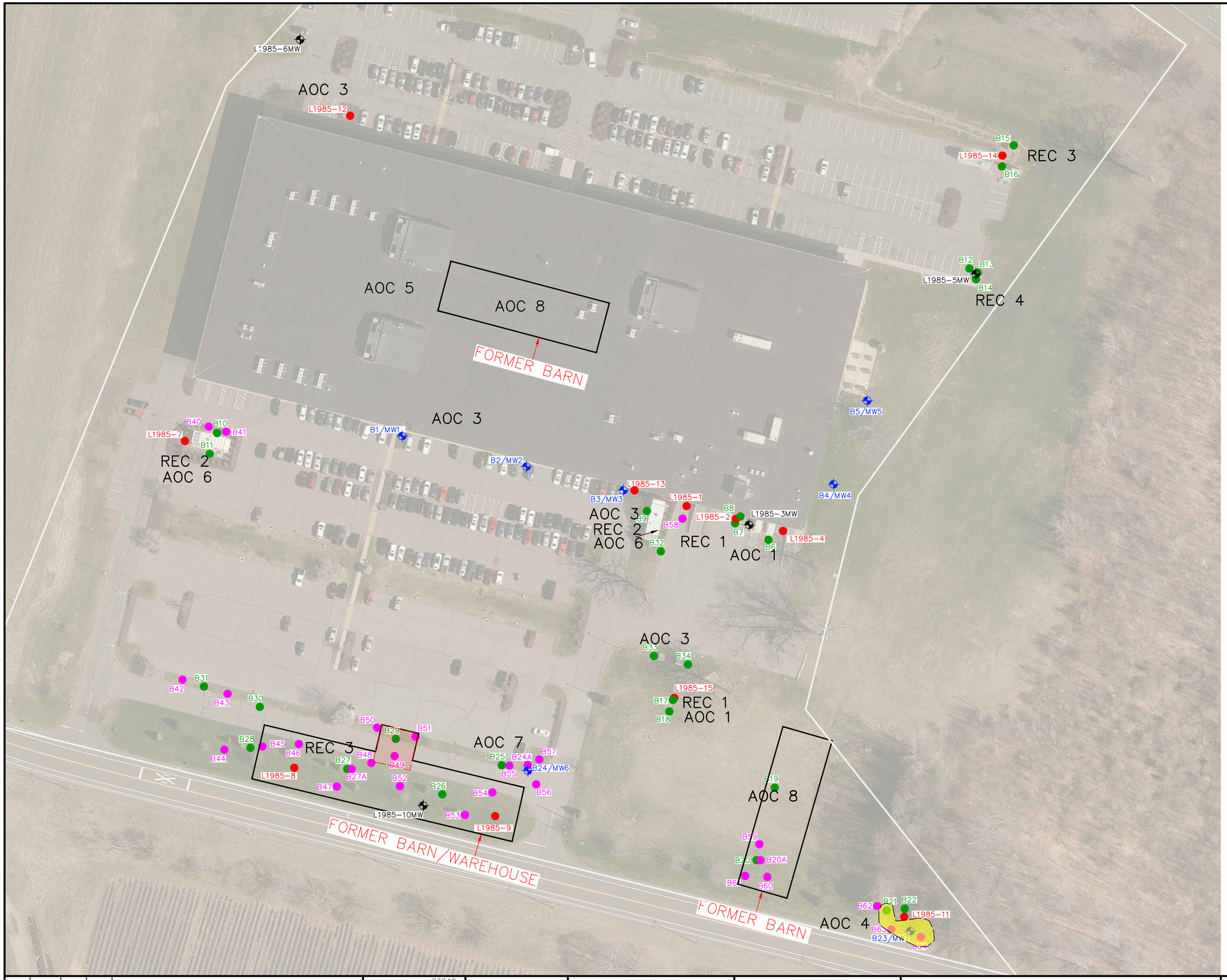
1985 BLUE HILLS AVENUE EXTENSION,
WINDSOR, CONNECTICUT

OPTION 2: SOIL EXCAVATION AND USE OF ALTERNATIVE RELEASE-SPECIFIC PMC
PROPOSED REMEDIAL EXCAVATION AREAS

FIGURE

6B

FILE PATH: \\ZUVIC-DC01\data\Projects\23246 - Eversource Blue Hills Ave Windsor Phase III\AutoCAD\EN\23246 - Boring and Well Location Map - Figure 6RAP.dwg PLOT DATE: 1/23/2025 PLOT TIME: 10:08:00 AM



LEGEND

PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA)

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L1985-6MW SOIL BORING AND MONITORING WELL LOCATION

PHASE III ENVIRONMENTAL SITE ASSESSMENT (ESA)

B4/MW4 SOIL BORING AND MONITORING WELL LOCATION

B18 SOIL BORING LOCATION

SUPPLEMENTAL INVESTIGATION

B59 SOIL BORING LOCATION

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NOTES

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PREPARED BY:

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REMEDIAL ACTION PLAN

1985 BLUE HILLS AVENUE EXTENSION,
WINDSOR, CONNECTICUT

OPTION 3: SOIL EXCAVATION AND INDUSTRIAL/COMMERCIAL USE RESTRICTION
PROPOSED REMEDIAL EXCAVATION AREAS

FIGURE

6C

FILE PATH: \\ZUVIC-DC01\data\Projects\23246 - Eversource Blue Hills Ave Windsor Phase III\AutoCAD\EN\23246 - Boring and Well Location Map - Figure 6RAP.dwg PLOT DATE: 1/23/2025 PLOT TIME: 11:51:22 AM

Tables

Table 1
Groundwater Elevation Summary Table
1985 Blue Hills Avenue Extension, Windsor, CT

Well	Elevation of Top of PVC Casing (ft.)	Well Screen Interval (ft.)	Depth to Bottom (ft.)	Depth to Water (ft.)	Groundwater Elevation (ft.)	Depth to Water (ft.)	Groundwater Elevation (ft.)	Depth to Water (ft.)	Groundwater Elevation (ft.)
				5/28/2021		9/21/2023		5/13/2024	
B1/MW1	101.18	6.5-16.5	16.50	--	--	12.50	88.68	10.81	90.37
B2/MW2	100.33	8-18.85	18.85	--	--	11.84	88.49	10.24	90.09
B3/MW3	100.00	8-18.5	18.60	--	--	11.55	88.45	10.04	89.96
B4/MW4	100.56	8-18.5	18.68	--	--	12.45	88.11	10.93	89.63
B5/MW5	100.78	10-20	20.26	--	--	12.82	87.96	11.25	89.53
L1985-3MW	97.24	9.5-19.5	19.68	10.57	86.67	8.93	88.31	7.34	89.90
L1985-5MW	100.12	11.7-21.7	21.85	13.71	86.41	12.44	87.68	11.28	88.84
L1985-6MW	101.82	11.2-16.3	16.35	11.87	89.95	10.87	90.95	9.65	92.17
B23/MW7	99.42	10-20	20.25	--	--	12.88	86.54	10.21	89.21
B24/MW6	100.53	10-20	20.32	--	--	12.28	88.25	10.80	89.73
L1985-10MW	103.75	19.5-29.5	29.69	17.28	86.47	15.60	88.15	14.01	89.74

NOTES:
1. Top of PVC casing surveyed on September 21, 2023.
2. Groundwater depths were measured from top of PVC casing.
3. Elevations are referenced to an assumed datum of 100.00 ft at B3/MW3.
4. Monitoring wells designated with "L1985-" were installed by previous consultant in May 2021.

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II ESA - Completed By Others													
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	L1985-1-S2	L1985-2-S3	L1985-3MW-S3	L1985-4-S2	L1985-5MW-S1	L1985-6MW-S3	L1985-7-S2	L1985-8-S3	L1985-9-S1	L1985-10MW-S2	L1985-11-S1	L1985-12-S1	L1985-13-S1	L1985-14-S1	L1985-15-S1
Sample Date					5/25/2021	5/25/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/24/2021
Sample Depth					1-3 FEET	10-11 FEET	10-11 FEET	1-3 FEET	0.5-1 FEET	12-14 FEET	1-3 FEET	15-16 FEET	0-0.5 FEET	1-3 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET
Comments																			SEE B17 0-0.5
ETPH (mg/kg) via CT Method	500	2,500	500	--	16	ND<8.3	11	ND<6.4	ND<7.2	ND<6.5	ND<7.0	ND<6.4	61.4	58.2	34.1	10.4	73.8	36.9	41.4
SPLP ETPH (mg/L) via CT Method	--	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																			
None Detected	--	--	--	--	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
VOCs (ug/kg) via EPA Method 8260																			
Acetone	500,000	1,000,000	14,000	--	ND<5.6	ND<6.3	ND<5.9	ND<5.6	ND<6.3	ND<5.9	ND<6.2	ND<7.5	ND<9.3	6.6	ND<7.1	NA	NA	NA	ND<7.0
Naphthalene	1,000,000	2,500,000	5,600	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
m, p-Xylene	500,000	1,000,000	19,500	--	ND<0.56	ND<0.63	ND<0.59	ND<0.56	0.84	ND<0.59	ND<0.62	ND<0.75	ND<0.93	ND<0.50	ND<0.71	NA	NA	NA	ND<0.70
2-Butanone (MEK)	500,000	1,000,000	8,000	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
1,4-Dioxane (ug/kg) via EPA Method 8260																			
Not Detected	6,100**	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270					PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs				PAHs
2-Methyl Naphthalene	270,000**	1,000,000**	560**	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Acenaphthene	1,000,000**	2,500,000**	8,400**	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Acenaphthylene	1,000,000	2,500,000	8,400	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	84.4	62.4	ND<36	NA	NA	NA	ND<36
Anthracene	1,000,000	2,500,000	40,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	87.6	64.8	ND<36	NA	NA	NA	ND<36
Benzo(a)anthracene	1,000	7,800	1,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	266	214	ND<36	NA	NA	NA	73.7
Benzo(b)fluoranthene	1,000	7,800	1,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	41.8	ND<33	393	386	40.9	NA	NA	NA	109
Benzo(k)fluoranthene	8,400	78,000	1,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	131	162	ND<36	NA	NA	NA	ND<36
Benzo(g,h,i)perylene	8,400**	78,000**	1,000**	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	222	193	ND<36	NA	NA	NA	59.9
Benzo(a)pyrene	1,000	1,000	1,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	300	247	ND<36	NA	NA	NA	67.8
Carbazole	31,000**	290,000**	200**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	84,000**	780,000**	1,000**	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	332	318	ND<36	NA	NA	NA	94.6
Dibenzo(a,h)anthracene	1,000**	1,000**	1,000**	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	55.4	44.3	ND<36	NA	NA	NA	ND<36
Dibenzofuran	68,000**	1,000,000**	200**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000,000	2,500,000	5,600	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	58.9	ND<33	486	487	45.6	NA	NA	NA	137
Fluorene	1,000,000	2,500,000	5,600	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Indeno(1,2,3-cd)pyrene	1,000**	7,800**	1,000**	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	232	218	ND<36	NA	NA	NA	62
Isophorone	640,000**	2,500,000**	740**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000,000	2,500,000	5,600	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Phenanthrene	1,000,000	2,500,000	4,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	34.4	ND<33	336	321	ND<36	NA	NA	NA	131
Pyrene	1,000,000	2,500,000	4,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	59.5	ND<33	798	587	55.4	NA	NA	NA	277
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																			
Acenaphthene	--	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																			
Arsenic	10	10	--	--	ND<2.1	1.5	ND<2.0	ND<2.2	ND<2.2	ND<2.1	ND<2.2	ND<2.0	3.7	3.6	3	NA	NA	NA	2.9
Barium	4,700	140,000	--	--	ND<21	16.3	ND<20	ND<22	ND<22	ND<21	ND<22	22.1	37	42.6	23	NA	NA	NA	ND<23
Cadmium	34	1,000	--	--	ND<0.52	ND<0.35	ND<0.49	ND<0.54	ND<0.55	ND<0.52	ND<0.54	ND<0.49	ND<0.56	0.67	ND<0.56	NA	NA	NA	ND<0.58
Chromium	100/3,900*	100/51,000*	--	--	3.6	5.4	9.6	3.9	6.4	5	5.9	3.9	12	10.6	12.9	NA	NA	NA	8.6
Copper	2,500	76,000	--	--	6.5	5.7	5.9	4	5.2	3.2	4.9	3.4	14.2	20.3	10.9	NA	NA	NA	21
Lead	400	1,000	--	--	4.1	2.7	5.2	2.3	6.6	2.8	4.3	2.3	45	35.7	8.2	NA	NA	NA	21.8
Mercury (via EPA Method 7471)	20	610	--	--	ND<0.033	ND<0.035	ND<0.030	ND<0.031	ND<0.036	ND<0.034	ND<0.032	ND<0.031	0.07	0.033	ND<0.034	NA	NA	NA	ND<0.037
Nickel	1,400	7,500	--	--	ND<4.1	5.0	7.3	4.8	6.1	5.3	21.8	4.2	8.6	11.4	10.1	NA	NA	NA	6.5
Selenium	340	10,000	--	--	ND<2.1	ND<1.4	ND<2.0	ND<2.2	ND<2.2	ND<2.1	ND<2.2	ND<2.0	ND<2.2	ND<2.4	ND<2.2	NA	NA	NA	ND<2.3
Silver	340	10,000	--	--	ND<0.52	0.38	ND<0.49	ND<0.54	0.98	ND<0.52	ND<0.54	ND<0.49	ND<0.56	ND<0.59	0.69	NA	NA	NA	ND<0.58
Zinc	20,000	610,000	--	--	15.2	13.6	17.2	9.6	21.1	10.4	18.3	9.6	56.6	61.8	35.9	NA	NA	NA	41.3
SPLP Metals (mg/L) via EPA Method 6020																			
Arsenic	--	--	0.05	--	NA	NA	ND<0.1	NA	NA	NA	NA	NA	NA	ND<0.1	NA	NA	NA	NA	NA
Barium	--	--	1	--	NA	NA	ND<0.2	NA	NA	NA	NA	NA	NA	ND<0.2	NA	NA	NA	NA	NA
Cadmium	--	--	0.005	--	NA	NA	ND<0.004	NA	NA	NA	NA	NA	NA	ND<0.004	NA	NA	NA	NA	NA
Chromium	--	--	0.05	--	NA	NA	ND<0.01	NA	NA	NA	NA	NA	NA	ND<0.01	NA	NA	NA	NA	NA
Copper	--	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	--	0.015	--	NA	NA	ND<0.015	NA	NA	NA	NA	NA	NA	ND<0.015	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	--	0.002	--	NA	NA	ND<0.0002	NA	NA	NA	NA	NA	NA	ND<0.0002	NA	NA	NA	NA	NA
Nickel	--	--	0.1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	--	0.05	--	NA	NA	ND<0.1	NA	NA	NA	NA	NA	NA	ND<0.1	NA	NA	NA	NA	NA
Silver	--	--	0.036	--	NA	NA	ND<0.01	NA	NA	NA	NA	NA	NA	ND<0.01	NA	NA	NA	NA	NA
Zinc	--	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II ESA - Completed By Others													
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	L1985-1-S2	L1985-2-S3	L1985-3MW-S3	L1985-4-S2	L1985-5MW-S1	L1985-6MW-S3	L1985-7-S2	L1985-8-S3	L1985-9-S1	L1985-10MW-S2	L1985-11-S1	L1985-12-S1	L1985-13-S1	L1985-14-S1	L1985-15-S1
Sample Date					5/25/2021	5/25/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/24/2021
Sample Depth					1-3 FEET	10-11 FEET	10-11 FEET	1-3 FEET	0.5-1 FEET	12-14 FEET	1-3 FEET	15-16 FEET	0-0.5 FEET	1-3 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET
PFAS (ug/kg) via EPA Method 1633																			
Perfluorodecanesulfonic acid (PFDS)	NE	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																			
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																			
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																			
Heptachlor Epoxide	67	630	20	--	NA	NA	NA	NA	NA	ND<0.64	1.1	ND<0.65	ND<0.70	ND<0.70	ND<0.74	NA	NA	NA	ND<0.74
Chlordane	490	2,200	66	--	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Dieldrin	38	360	7	--	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Endosulfan sulfate	41,000**	1,000,000**	84**	--	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
4,4-DDD	1,800**	17,000**	3**	--	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
4,4-DDE	1,800**	17,000**	3**	--	NA	NA	NA	NA	NA	ND<0.64	2.6	ND<0.65	ND<0.70	ND<0.70	ND<0.74	NA	NA	NA	**14.7**
4,4-DDT	1,800**	17,000**	3**	--	NA	NA	NA	NA	NA	ND<0.64	**3.6**	ND<0.65	ND<0.70	ND<0.70	2.5	NA	NA	NA	**19.2**
Total DDD, DDE and DDT	1,800**	17,000**	3**	--	NA	NA	NA	NA	NA	ND<0.64	**6.2**	ND<0.65	ND<0.70	ND<0.70	2.5	NA	NA	NA	**33.9**
SPLP Pesticides (ug/L) via EPA Method 8081B																			
gamma-BHC (Lindane)	--	--	--	0.2	NA	NA	NA	NA	NA	ND<0.01	0.15	NA	NA	ND<0.010	NA	NA	NA	NA	NA
Dieldrin	--	--	--	0.002	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
4,4-DDD	--	--	--	0.10**	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
4,4-DDE	--	--	--	0.10**	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
4,4-DDT	--	--	--	0.10**	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
Total DDD, DDE and DDT	--	--	--	0.10**	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
Herbicides (ug/kg) via EPA Method 8151																			
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA

Notes and Abbreviations:

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is

RSR = Connecticut Remediation Standard Regulations

RDEC = Residential Direct Exposure Criteria

GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA

GWPC = Groundwater Protection Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

NA = Not Analyzed

ND = Not detected above the laboratory reporting limit

NE= Not Established

ETPH = Extractable total petroleum hydrocarbons

PAHs = Polynuclear aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

PFAS = Per- and Polyfluoroalkyl Substances

SPLP = Synthetic precipitation leaching procedure

SVOCs = Semi-volatile organic compounds

VOCs = Volatile organic compounds

mg/kg = milligrams per kilogram (dry weight)

mg/L = milligrams per liter

ug/kg = micrograms per kilogram (dry weight)

ug/L = micrograms per liter

ESA = Environmental Site Assessment

Supp Inv = Supplemental Investigation

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA															
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B1/MW1 0.3-1ft	B1/MW1 3-5ft	B1/MW1 5-6.5ft	B1/MW1 14-15ft	B2/MW2 1-3ft	B2/MW2 3-5ft	B2/MW2 18.5-20ft	B3/MW3 2-4ft	B3/MW3 10-12ft	B4/MW4 0-2ft	B4/MW4 2-4ft	B4/MW4 12-14ft	B5/MW5 0-2ft	B5/MW5 14-16ft	B6 3-5ft	B6 12-14ft
Sample Date					09/11/2023	09/11/2023	09/12/2023	09/12/2023	09/11/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/11/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023
Sample Depth					0.3-1 FEET	3-5 FEET	5-6.5 FEET	14-15 FEET	1-3 FEET	3-5 FEET	18.5-20 FEET	2-4 FEET	10-12 FEET	0-2 FEET	2-4 FEET	12-14 FEET	0-2 FEET	14-16 FEET	3-5 FEET	12-14 FEET
Comments																				
ETPH (mg/kg) via CT Method	500	2,500	500	--	ND<72	NA	NA	ND<60	NA	ND<52	ND<60	ND<54	ND<51	NA	ND<51	ND<50	ND<53	ND<56	ND<50	ND<52
SPLP ETPH (mg/L) via CT Method	--	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																				
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																				
Acetone	500,000	1,000,000	14,000	--	NA	ND	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Naphthalene	1,000,000	2,500,000	5,600	--	NA	ND<7.0	NA	ND<7.8	NA	ND<6.4	ND<7.5	ND<5.8	ND<8.1	NA	ND<6.2	ND<7.1	ND<6.4	ND<7.2	ND<8.0	ND<6.3
m, p-Xylene	500,000	1,000,000	19,500	--	NA	ND	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	500,000	1,000,000	8,000	--	NA	ND	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,4-Dioxane (ug/kg) via EPA Method 8260																				
Not Detected	6,100**	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270					SVOCs			SVOCs		SVOCs	SVOCs	SVOCs	SVOCs		SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs
2-Methyl Naphthalene	270,000**	1,000,000**	560**	--	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Acenaphthene	1,000,000**	2,500,000**	8,400**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Acenaphthylene	1,000,000	2,500,000	8,400	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Anthracene	1,000,000	2,500,000	40,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Benzo(a)anthracene	1,000	7,800	1,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	190	ND<110	ND<100	ND<110
Benzo(b)fluoranthene	1,000	7,800	1,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	260	ND<110	ND<100	ND<110
Benzo(k)fluoranthene	8,400	78,000	1,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Benzo(g,h,i)perylene	8,400**	78,000**	1,000**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	200	ND<110	ND<100	ND<110
Benzo(a)pyrene	1,000	1,000	1,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	230	ND<110	ND<100	ND<110
Carbazole	31,000**	290,000**	200**	--	ND<290	NA	NA	ND<240	NA	ND<210	ND<240	ND<210	ND<200	NA	ND<200	ND<200	ND<210	ND<220	ND<200	ND<210
Chrysene	84,000**	780,000**	1,000**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	220	ND<110	ND<100	ND<110
Dibenzo(a,h)anthracene	1,000**	1,000**	1,000**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Dibenzofuran	68,000**	1,000,000**	200**	--	ND<290	NA	NA	ND<240	NA	ND<210	ND<240	ND<210	ND<200	NA	ND<200	ND<200	ND<210	ND<220	ND<200	ND<210
Fluoranthene	1,000,000	2,500,000	5,600	--	150	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	380	ND<110	ND<100	ND<110
Fluorene	1,000,000	2,500,000	5,600	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Indeno(1,2,3-cd)pyrene	1,000**	7,800**	1,000**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	140	ND<110	ND<100	ND<110
Isophorone	640,000**	2,500,000**	740**	--	ND<290	NA	NA	ND<240	NA	ND<210	ND<240	ND<210	ND<200	NA	ND<200	ND<200	ND<210	ND<220	ND<200	ND<210
Naphthalene	1,000,000	2,500,000	5,600	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Phenanthrene	1,000,000	2,500,000	4,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	140	ND<110	ND<100	ND<110
Pyrene	1,000,000	2,500,000	4,000	--	140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	100	ND<100	470	ND<110	ND<100	ND<110
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																				
Acenaphthene	--	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																				
Arsenic	10	10	--	--	3.0	NA	NA	2.2	NA	ND<1.0	3.6	1.1	ND<0.98	NA	1.8	ND<0.94	2.0	ND<1.1	ND<0.94	ND<1.0
Barium	4,700	140,000	--	--	31	NA	NA	17	NA	6.6	47	12	13	NA	17	9.0	26	45	11	13
Cadmium	34	1,000	--	--	ND<0.69	NA	NA	ND<0.59	NA	ND<0.50	ND<0.60	ND<0.51	ND<0.49	NA	ND<0.49	ND<0.47	ND<0.53	ND<0.55	ND<0.47	ND<0.52
Chromium	100/3,900*	100/51,000*	--	--	15	NA	NA	4.9	NA	3.4	13	6.0	4.6	NA	7.9	4.7	9.6	11	4.1	5.7
Copper	2,500	76,000	--	--	15	NA	NA	7.0	NA	3.0	17	4.6	5.2	NA	4.9	4.3	21	8.5	3.9	5.6
Lead	400	1,000	--	--	15	NA	NA	ND<2.4	NA	ND<2.0	7.9	8.3	2.2	NA	9.1	ND<1.9	23	3.0	2.5	2.1
Mercury (via EPA Method 7471)	20	610	--	--	ND<0.18	NA	NA	ND<0.15	NA	ND<0.13	ND<0.14	ND<0.13	ND<0.12	NA	ND<0.13	ND<0.13	ND<0.13	ND<0.13	ND<0.12	ND<0.12
Nickel	1,400	7,500	--	--	7.7	NA	NA	5.4	NA	3.0	11	4.3	3.9	NA	4.7	3.5	6.0	9.2	3.5	4.1
Selenium	340	10,000	--	--	ND<3.4	NA	NA	ND<2.9	NA	ND<2.5	ND<3.0	ND<2.6	ND<2.5	NA	ND<2.5	ND<2.4	ND<2.6	ND<2.8	ND<2.4	ND<2.6
Silver	340	10,000	--	--	ND<2.8	NA	NA	ND<2.4	NA	ND<2.0	ND<2.4	ND<2.1	ND<2.0	NA	ND<2.0	ND<1.9	ND<2.1	ND<2.2	ND<1.9	ND<2.1
Zinc	20,000	610,000	--	--	53	NA	NA	18	NA	8.3	41	15	11	NA	18	9.0	36	25	10	12
SPLP Metals (mg/L) via EPA Method 6020																				
Arsenic	--	--	0.05	--	ND<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0090	NA	NA	NA
Barium	--	--	1	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Cadmium	--	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	--	0.05	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Copper	--	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	--	0.015	--	ND<0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.013	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	--	0.1	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Selenium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA														
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B1/MW1 0.3-1ft	B1/MW1 3-5ft	B1/MW1 5-6.5ft	B1/MW1 14-15ft	B2/MW2 1-3ft	B2/MW2 3-5ft	B2/MW2 18.5-20ft	B3/MW3 2-4ft	B3/MW3 10-12ft	B4/MW4 0-2ft	B4/MW4 2-4ft	B4/MW4 12-14ft	B5/MW5 0-2ft	B5/MW5 14-16ft	B6 3-5ft	B6 12-14ft
Sample Date					09/11/2023	09/11/2023	09/12/2023	09/12/2023	09/11/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/11/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023
Sample Depth					0.3-1 FEET	3-5 FEET	5-6.5 FEET	14-15 FEET	1-3 FEET	3-5 FEET	18.5-20 FEET	2-4 FEET	10-12 FEET	0-2 FEET	2-4 FEET	12-14 FEET	0-2 FEET	14-16 FEET	3-5 FEET	12-14 FEET
PFAS (ug/kg) via EPA Method 1633																				
Perfluorodecanesulfonic acid (PFDS)	NE	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																				
None Detected	--	--	--	--	ND<1.0	NA	NA	ND<1.0	NA	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Glycol Analysis (mg/kg) via EPA Method 8015B																				
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																				
Heptachlor Epoxide	67	630	20	--	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	NA	NA
Chlordane	490	2,200	66	--	NA	NA	ND<16	NA	ND<17	NA	NA	ND<16	NA	**91**	NA	NA	**69**	NA	NA	NA
Dieldrin	38	360	7	--	NA	NA	ND<0.52	NA	ND<0.55	NA	NA	ND<0.54	NA	ND<0.60	NA	NA	ND<0.52	NA	NA	NA
Endosulfan sulfate	41,000**	1,000,000**	84**	--	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	NA	NA
4,4-DDD	1,800**	17,000**	3**	--	NA	NA	ND<0.52	NA	ND<0.55	NA	NA	ND<0.54	NA	ND<0.60	NA	NA	ND<0.52	NA	NA	NA
4,4-DDE	1,800**	17,000**	3**	--	NA	NA	0.94	NA	**4.1**	NA	NA	**4.0**	NA	**24**	NA	NA	**18**	NA	NA	NA
4,4-DDT	1,800**	17,000**	3**	--	NA	NA	0.70	NA	**5.5**	NA	NA	**5.6**	NA	**15**	NA	NA	**8.2**	NA	NA	NA
Total DDD, DDE and DDT	1,800**	17,000**	3**	--	NA	NA	2	NA	**10**	NA	NA	**10**	NA	**39**	NA	NA	**26**	NA	NA	NA
SPLP Pesticides (ug/L) via EPA Method 8081B																				
gamma-BHC (Lindane)	--	--	--	0.2	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA
Dieldrin	--	--	--	0.002	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	NA	NA	NA
4,4-DDD	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	NA	NA	NA
4,4-DDE	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	NA	NA	NA
4,4-DDT	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	ND<0.0020	NA	NA	NA	NA	NA	NA
Total DDD, DDE and DDT	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA
Herbicides (ug/kg) via EPA Method 8151																				
None Detected	--	--	--	--	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is

RSR = Connecticut Remediation Standard Regulations

RDEC = Residential Direct Exposure Criteria

GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA

GWPC = Groundwater Protection Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

NA = Not Analyzed

ND = Not detected above the laboratory reporting limit

NE= Not Established

ETPH = Extractable total petroleum hydrocarbons

PAHs = Polynuclear aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

PFAS = Per- and Polyfluoroalkyl Substances

SPLP = Synthetic precipitation leaching procedure

SVOCs = Semi-volatile organic compounds

VOCs = Volatile organic compounds

mg/kg = milligrams per kilogram (dry weight)

mg/L = milligrams per liter

ug/kg = micrograms per kilogram (dry weight)

ug/L = micrograms per liter

ESA = Environmental Site Assessment

Supp Inv = Supplemental Investigation

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA																		
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B7 1-3ft	B7 10-12ft	B8 1-3ft	B8 6-8ft	B9 0.4-2ft	B10 0.3-1ft	B10 1-3ft	B11 0.5-2ft	B11 2-4ft	B12 0.5-2ft	B13 0.5-2ft	B14 0.5-2ft	B14 12-14ft	B15 0-0.5ft	B16 0-0.5ft	B17 0-0.5ft	B17 2-4ft	B18 0-1.5ft	B19 0-2ft
Sample Date					09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023
Sample Depth					1-3 FEET	10-12 FEET	1-3 FEET	6-8 FEET	0.4-2 FEET	0.3-1 FEET	1-3 FEET	0.5-2 FEET	2-4 FEET	0.5-2 FEET	0.5-2 FEET	0.5-2 FEET	12-14 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	2-4 FEET	0-1.5 FEET	0-2 FEET
Comments																				SEE L1985-15			
ETPH (mg/kg) via CT Method	500	2,500	500	--	ND<50	ND<51	ND<57	ND<50	ND<51	**700**	ND<54	NA	ND<54	93	ND<55	ND<57	ND<60	ND<64	ND<58	ND<67	NA	ND<61	NA
SPLP ETPH (mg/L) via CT Method	--	--	--	0.25	NA	NA	NA	NA	NA	ND<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																							
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.063	ND<0.060	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																							
Acetone	500,000	1,000,000	14,000	--	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND
Naphthalene	1,000,000	2,500,000	5,600	--	ND<6.5	ND<6.4	ND<7.4	ND<7.2	ND<6.4	ND<7.9	NA	NA	ND<8.6	ND<6.6	ND<6.6	ND<6.2	ND<7.9	NA	NA	ND<13	NA	ND<12	ND<7.3
m, p-Xylene	500,000	1,000,000	19,500	--	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND
2-Butanone (MEK)	500,000	1,000,000	8,000	--	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND
1,4-Dioxane (ug/kg) via EPA Method 8260																							
Not Detected	6,100**	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270					SVOCs	SVOCs	SVOCs	SVOCs	PAHs	PAHs			PAHs	PAHs	PAHs	PAHs	PAHs			PAHs		PAHs	
2-Methyl Naphthalene	270,000**	1,000,000**	560**	--	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA
Acenaphthene	1,000,000**	2,500,000**	8,400**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Acenaphthylene	1,000,000	2,500,000	8,400	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Anthracene	1,000,000	2,500,000	40,000	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Benzo(a)anthracene	1,000	7,800	1,000	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	200	180	ND<110	ND<120	NA	NA	170	NA	150	NA
Benzo(b)fluoranthene	1,000	7,800	1,000	--	ND<100	ND<100	ND<110	ND<100	120	ND<110	NA	NA	ND<110	240	220	ND<110	ND<120	NA	NA	520	NA	300	NA
Benzo(k)fluoranthene	8,400	78,000	1,000	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	160	NA	ND<120	NA
Benzo(g,h,i)perylene	8,400**	78,000**	1,000**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	180	170	ND<110	ND<120	NA	NA	350	NA	170	NA
Benzo(a)pyrene	1,000	1,000	1,000	--	ND<100	ND<100	ND<110	ND<100	100	ND<110	NA	NA	ND<110	230	200	ND<110	ND<120	NA	NA	240	NA	180	NA
Carbazole	31,000**	290,000**	200**	--	ND<200	ND<200	ND<230	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	84,000**	780,000**	1,000**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	190	170	ND<110	ND<120	NA	NA	390	NA	250	NA
Dibenzo(a,h)anthracene	1,000**	1,000**	1,000**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Dibenzofuran	68,000**	1,000,000**	200**	--	ND<200	ND<200	ND<230	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000,000	2,500,000	5,600	--	ND<100	ND<100	ND<110	ND<100	140	ND<110	NA	NA	ND<110	330	290	ND<110	ND<120	NA	NA	490	NA	350	NA
Fluorene	1,000,000	2,500,000	5,600	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Indeno(1,2,3-cd)pyrene	1,000**	7,800**	1,000**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	130	110	ND<110	ND<120	NA	NA	220	NA	130	NA
Isophorone	640,000**	2,500,000**	740**	--	ND<200	ND<200	ND<230	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000,000	2,500,000	5,600	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Phenanthrene	1,000,000	2,500,000	4,000	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	180	NA	180	NA
Pyrene	1,000,000	2,500,000	4,000	--	ND<100	ND<100	ND<110	ND<100	190	ND<110	NA	NA	ND<110	470	420	ND<110	ND<120	NA	NA	440	NA	350	NA
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																							
Acenaphthene	--	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																							
Arsenic	10	10	--	--	ND<0.97	ND<0.99	ND<1.1	ND<0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2	NA	3.8	ND<1.1
Barium	4,700	140,000	--	--	10	12	14	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	NA	25	15
Cadmium	34	1,000	--	--	ND<0.48	ND<0.49	ND<0.53	ND<0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.65	NA	ND<0.62	ND<0.53
Chromium	100/3,900*	100/51,000*	--	--	3.6	4.7	5.3	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	NA	15	5.7
Copper	2,500	76,000	--	--	4.3	5.2	5.2	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	140	NA	130	8.0
Lead	400	1,000	--	--	4.4	2.7	4.7	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	NA	35	3.5
Mercury (via EPA Method 7471)	20	610	--	--	ND<0.12	ND<0.12	ND<0.13	ND<0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.17	NA	ND<0.15	ND<0.13
Nickel	1,400	7,500	--	--	3.3	5.0	4.4	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	9.8	5.2
Selenium	340	10,000	--	--	ND<2.4	ND<2.5	ND<2.7	ND<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<3.2	NA	ND<3.1	ND<2.6
Silver	340	10,000	--	--	ND<1.9	ND<2.0	ND<2.1	ND<1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<2.6	NA	ND<2.5	ND<2.1
Zinc	20,000	610,000	--	--	12	14	16	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	NA	160	16
SPLP Metals (mg/L) via EPA Method 6020																							
Arsenic	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0090	NA	NA	NA
Barium	--	--	1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Copper	--	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.040	NA	NA	NA
Lead	--	--	0.015	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.013	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	--	0.1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Selenium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.044	NA	NA	NA

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA																	
Sample ID					**B7 1-3ft**	**B7 10-12ft**	**B8 1-3ft**	**B8 6-8ft**	**B9 0.4-2ft**	**B10 0.3-1ft**	**B10 1-3ft**	**B11 0.5-2ft**	**B11 2-4ft**	**B12 0.5-2ft**	**B13 0.5-2ft**	**B14 0.5-2ft**	**B14 12-14ft**	**B15 0-0.5ft**	**B16 0-0.5ft**	**B17 0-0.5ft**	**B17 2-4ft**	**B18 0-1.5ft**	**B19 0-2ft**
Sample Date	**RDEC**	**I/C DEC**	**GA PMC**	**GWPC**	**09/11/2023**	**09/12/2023**	**09/11/2023**	**09/12/2023**	**09/12/2023**	**09/12/2023**	**09/12/2023**	**09/12/2023**	**09/12/2023**	**09/13/2023**	**09/13/2023**	**09/13/2023**	**09/13/2023**	**09/13/2023**	**09/13/2023**	**09/14/2023**	**09/14/2023**	**09/14/2023**	**09/14/2023**
Sample Depth					**1-3 FEET**	**10-12 FEET**	**1-3 FEET**	**6-8 FEET**	**0.4-2 FEET**	**0.3-1 FEET**	**1-3 FEET**	**0.5-2 FEET**	**2-4 FEET**	**0.5-2 FEET**	**0.5-2 FEET**	**0.5-2 FEET**	**12-14 FEET**	**0-0.5 FEET**	**0-0.5 FEET**	**0-0.5 FEET**	**2-4 FEET**	**0-1.5 FEET**	**0-2 FEET**
PFAS (ug/kg) via EPA Method 1633																							
Perfluorodecanesulfonic acid (PFDS)	NE	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																							
None Detected	--	--	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																							
None Detected	--	--	--	--	NA	NA	NA	NA	ND<5.2	ND<5.4	NA	NA	ND<5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																							
Heptachlor Epoxide	67	630	20	--	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
Chlordane	490	2,200	66	--	ND<15	NA	NA	NA	**70**	NA	NA	**76**	NA	ND<17	NA	NA	NA	NA	NA	NA	ND<18	**110**	**92**
Dieldrin	38	360	7	--	ND<0.50	NA	NA	NA	ND<0.51	NA	NA	ND<0.53	NA	ND<0.55	NA	NA	NA	NA	NA	NA	ND<0.59	3.3	ND<0.52
Endosulfan sulfate	41,000**	1,000,000**	84**	--	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
4,4-DDD	1,800**	17,000**	3**	--	ND<0.50	NA	NA	NA	ND<0.51	NA	NA	ND<0.53	NA	ND<0.55	NA	NA	NA	NA	NA	NA	ND<0.59	**6.0**	ND<0.52
4,4-DDE	1,800**	17,000**	3**	--	1.1	NA	NA	NA	**18**	NA	NA	**9.1**	NA	2.5	NA	NA	NA	NA	NA	NA	1.3	**49**	**19**
4,4-DDT	1,800**	17,000**	3**	--	1.3	NA	NA	NA	**19**	NA	NA	**14**	NA	2.4	NA	NA	NA	NA	NA	NA	2.5	**34**	**24**
Total DDD, DDE and DDT	1,800**	17,000**	3**	--	2	NA	NA	NA	**37**	NA	NA	**23**	NA	**4.9**	NA	NA	NA	NA	NA	NA	**4**	**89**	**43**
SPLP Pesticides (ug/L) via EPA Method 8081B																							
gamma-BHC (Lindane)	--	--	--	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND
Dieldrin	--	--	--	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010
4,4-DDD	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010
4,4-DDE	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010
4,4-DDT	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	NA	ND<0.0020
Total DDD, DDE and DDT	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND
Herbicides (ug/kg) via EPA Method 8151																							
None Detected	--	--	--	--	ND	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA

Notes and Abbreviations:

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is

RSR = Connecticut Remediation Standard Regulations

RDEC = Residential Direct Exposure Criteria

GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA

GWPC = Groundwater Protection Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

NA = Not Analyzed

ND = Not detected above the laboratory reporting limit

NE= Not Established

ETPH = Extractable total petroleum hydrocarbons

PAHs = Polynuclear aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

PFAS = Per- and Polyfluoroalkyl Substances

SPLP = Synthetic precipitation leaching procedure

SVOCs = Semi-volatile organic compounds

VOCs = Volatile organic compounds

mg/kg = milligrams per kilogram (dry weight)

mg/L = milligrams per liter

ug/kg = micrograms per kilogram (dry weight)

ug/L = micrograms per liter

ESA = Environmental Site Assessment

Supp Inv = Supplemental Investigation

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA	Supp Inv	Phase II/III ESA							Supp Inv		Phase II/III ESA							
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B20 0-2ft	B20A 2-4ft	B20 6.5-8ft	B21 0-2ft	B21 2-4ft	B22 0-2ft	B23/MW7 0-2ft	B23/MW7 2-4ft	B24/MW6 0-2ft	B24A 2-4ft	B24A 4-6ft	B24/MW6 8-10ft	B24/MW6 12-14ft	B25 2-4ft	B25 8-9ft	B25 12-14ft	B26 5-7.5ft	B26 8-10ft	B26 15-17ft
Sample Date					09/11/2023	5/20/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	5/20/2024	5/20/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023
Sample Depth					0-2 FEET	2-4 FEET	6.5-8 FEET	0-2 FEET	2-4 FEET	0-2 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	4-6 FEET	8-10 FEET	12-14 FEET	2-4 FEET	8-9 FEET	12-14 FEET	5-7.5 FEET	8-10 FEET	15-17 FEET
Comments																							
ETPH (mg/kg) via CT Method	500	2,500	500	--	ND<58	NA	NA	ND<59	NA	ND<57	ND<56	NA	ND<59	NA	NA	ND<51	ND<54	ND<50	ND<52	ND<54	**700**	ND<50	ND<57
SPLP ETPH (mg/L) via CT Method	--	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.10	NA	NA
PCBs (mg/kg) via EPA Method 8082A																							
None Detected	--	--	--	--	NA	NA	NA	ND<0.059	NA	ND<0.057	ND<0.056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																							
Acetone	500,000	1,000,000	14,000	--	ND	NA	NA	ND	NA	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1,000,000	2,500,000	5,600	--	ND<8.0	NA	NA	ND<8.5	NA	ND<8.6	ND<7.8	NA	ND<7.7	NA	NA	ND<8.5	ND<8.1	ND<7.2	ND<7.9	ND<7.4	ND<6.1	ND<7.6	ND<7.4
m, p-Xylene	500,000	1,000,000	19,500	--	ND	NA	NA	ND	NA	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	500,000	1,000,000	8,000	--	ND	NA	NA	ND	NA	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane (ug/kg) via EPA Method 8260																							
Not Detected	6,100**	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270					SVOCs			SVOCs (Note 2)	PAHs	SVOCs	SVOCs		PAHs	PAHs		PAHs	PAHs	PAHs	PAHs	PAHs	SVOCs	SVOCs	SVOCs
2-Methyl Naphthalene	270,000**	1,000,000**	560**	--	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND<220	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	1,000,000**	2,500,000**	8,400**	--	ND<120	NA	NA	ND<120	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Acenaphthylene	1,000,000	2,500,000	8,400	--	ND<120	NA	NA	430	ND<100	ND<110	220	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Anthracene	1,000,000	2,500,000	40,000	--	ND<120	NA	NA	520	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(a)anthracene	1,000	7,800	1,000	--	250	NA	NA	**1,400**	ND<100	ND<110	380	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(b)fluoranthene	1,000	7,800	1,000	--	320	NA	NA	**1,500**	ND<100	ND<110	610	NA	120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(k)fluoranthene	8,400	78,000	1,000	--	130	NA	NA	540	ND<100	ND<110	280	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(g,h,i)perylene	8,400**	78,000**	1,000**	--	230	NA	NA	800	ND<100	ND<110	480	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(a)pyrene	1,000	1,000	1,000	--	290	NA	NA	**1,200**	ND<100	ND<110	490	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Carbazole	31,000**	290,000**	200**	--	ND<230	NA	NA	ND<240	NA	ND<230	ND<230	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<220	ND<210	ND<230
Chrysene	84,000**	780,000**	1,000**	--	270	NA	NA	**1,800**	ND<100	ND<110	500	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Dibenzo(a,h)anthracene	1,000**	1,000**	1,000**	--	ND<120	NA	NA	200	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Dibenzofuran	68,000**	1,000,000**	200**	--	ND<230	NA	NA	ND<240	NA	ND<230	ND<230	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<220	ND<210	ND<230
Fluoranthene	1,000,000	2,500,000	5,600	--	590	NA	NA	3,200	ND<100	ND<110	770	NA	170	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Fluorene	1,000,000	2,500,000	5,600	--	ND<120	NA	NA	390	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Indeno(1,2,3-cd)pyrene	1,000**	7,800**	1,000**	--	170	NA	NA	620	ND<100	ND<110	320	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Isophorone	640,000**	2,500,000**	740**	--	ND<230	NA	NA	ND<240	NA	ND<230	ND<230	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<220	260	ND<230
Naphthalene	1,000,000	2,500,000	5,600	--	ND<120	NA	NA	ND<120	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Phenanthrene	1,000,000	2,500,000	4,000	--	200	NA	NA	2,800	ND<100	ND<110	270	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Pyrene	1,000,000	2,500,000	4,000	--	620	NA	NA	3,500	ND<100	ND<110	790	NA	150	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270								PAHs															
Acenaphthene	--	--	--	420**	NA	NA	NA	ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	--	280	NA	NA	NA	ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	--	200	NA	NA	NA	ND<0.077	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																							
Arsenic	10	10	--	--	2.7	NA	NA	4.4	NA	2.3	2.0	NA	3.6	NA	NA	NA	NA	ND<1.0	NA	NA	4.2	ND<0.98	ND<1.1
Barium	4,700	140,000	--	--	22	NA	NA	24	NA	26	23	NA	26	NA	NA	NA	NA	9.3	NA	NA	76	12	15
Cadmium	34	1,000	--	--	ND<0.55	NA	NA	ND<0.55	NA	ND<0.56	ND<0.55	NA	ND<0.57	NA	NA	NA	NA	ND<0.50	NA	NA	ND<0.54	ND<0.49	ND<0.56
Chromium	100/3,900*	100/51,000*	--	--	10	NA	NA	11	NA	11	10	NA	10	NA	NA	NA	NA	3.3	NA	NA	15	4.8	10
Copper	2,500	76,000	--	--	8.4	NA	NA	7.6	NA	7.3	8.6	NA	19	NA	NA	NA	NA	3.1	NA	NA	20	3.9	5.0
Lead	400	1,000	--	--	17	NA	NA	26	NA	9.5	12	NA	13	NA	NA	NA	NA	ND<2.0	NA	NA	12	ND<2.0	ND<2.2
Mercury (via EPA Method 7471)	20	610	--	--	ND<0.13	NA	NA	ND<0.15	NA	ND<0.14	0.24	NA	ND<0.15	NA	NA	NA	NA	ND<0.13	NA	NA	ND<0.13	ND<0.12	ND<0.14
Nickel	1,400	7,500	--	--	6.8	NA	NA	7.1	NA	7.5	7.6	NA	8.2	NA	NA	NA	NA	3.3	NA	NA	20	3.6	3.6
Selenium	340	10,000	--	--	ND<2.7	NA	NA	ND<2.8	NA	ND<2.8	ND<2.7	NA	ND<2.9	NA	NA	NA	NA	ND<2.5	NA	NA	ND<2.7	ND<2.5	ND<2.8
Silver	340	10,000	--	--	ND<2.2	NA	NA	ND<2.2	NA	ND<2.2	ND<2.2	NA	ND<2.3	NA	NA	NA	NA	ND<2.0	NA	NA	ND<2.2	ND<2.0	ND<2.2
Zinc	20,000	610,000	--	--	40	NA	NA	32	NA	29	29	NA	48	NA	NA	NA	NA	8.0	NA	NA	43	10	13
SPLP Metals (mg/L) via EPA Method 6020																							
Arsenic	--	--	0.05	--	ND<0.0090	NA	NA	NA	NA	NA	ND<0.0090	NA	ND<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	--	--	1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	--	0.05	--	ND<0.050	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	--	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	--	0.015	--	ND<0.013	NA	NA	NA	NA	NA	**0.028**	ND<0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	--	0.002	--	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	--	0.1	--	ND<0.050	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	--	5	--	0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA	Supp Inv	Phase II/III ESA							Supp Inv		Phase II/III ESA							
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B20 0-2ft	B20A 2-4ft	B20 6.5-8ft	B21 0-2ft	B21 2-4ft	B22 0-2ft	B23/MW7 0-2ft	B23/MW7 2-4ft	B24/MW6 0-2ft	B24A 2-4ft	B24A 4-6ft	B24/MW6 8-10ft	B24/MW6 12-14ft	B25 2-4ft	B25 8-9ft	B25 12-14ft	B26 5-7.5ft	B26 8-10ft	B26 15-17ft
Sample Date					09/11/2023	5/20/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	5/20/2024	5/20/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023
Sample Depth					0-2 FEET	2-4 FEET	6.5-8 FEET	0-2 FEET	2-4 FEET	0-2 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	4-6 FEET	8-10 FEET	12-14 FEET	2-4 FEET	8-9 FEET	12-14 FEET	5-7.5 FEET	8-10 FEET	15-17 FEET
PFAS (ug/kg) via EPA Method 1633																							
Perfluorodecanesulfonic acid (PFDS)	NE	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																							
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																							
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																							
Heptachlor Epoxide	67	630	20	--	ND	ND<2.6	ND	ND	NA	ND	ND	NA	ND	ND<2.8	ND<2.6	ND	NA	ND	NA	NA	ND	ND	ND
Chlordane	490	2,200	66	--	**550**	ND<16	ND<17	ND<18	NA	64	**72**	NA	**700**	**120**	ND<16	ND<16	NA	ND<15	NA	NA	ND<17	ND<15	ND<17
Dieldrin	38	360	7	--	ND<0.57	ND<0.52	ND<0.57	ND<0.59	NA	2.3	**15**	NA	ND<0.59	ND<0.56	ND<0.52	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
Endosulfan sulfate	41,000**	1,000,000**	84**	--	ND	ND<2.6	ND	ND	NA	ND	ND	NA	ND	ND<2.8	ND<2.6	ND	NA	ND	NA	NA	ND	ND	ND
4,4-DDD	1,800**	17,000**	3**	--	ND<0.57	ND<0.52	ND<0.57	ND<0.59	NA	ND<0.56	2.7	NA	ND<0.59	ND<0.56	ND<0.52	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
4,4-DDE	1,800**	17,000**	3**	--	**140**	1.2	ND<0.57	**33**	NA	**5.6**	**9.2**	NA	**200**	**24**	2.1	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
4,4-DDT	1,800**	17,000**	3**	--	**150**	1.3	ND<0.57	**30**	NA	**7.6**	**19**	NA	**190**	**19**	2.6	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
Total DDD, DDE and DDT	1,800**	17,000**	3**	--	**290**	3	ND<0.57	**63**	NA	**13**	**31**	NA	**390**	**43**	**5**	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
SPLP Pesticides (ug/L) via EPA Method 8081B																							
gamma-BHC (Lindane)	--	--	--	0.2	ND	NA	NA	ND	NA	NA	ND	ND	ND	ND<0.0050	ND<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	--	--	--	0.002	ND<0.0010	NA	NA	ND<0.0010	NA	NA	**0.0030**	ND<0.0010	ND<0.0010	ND<0.0020	ND<0.0020	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDD	--	--	--	0.10**	ND<0.0010	NA	NA	ND<0.0010	NA	NA	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	--	--	--	0.10**	ND<0.0010	NA	NA	ND<0.0010	NA	NA	ND<0.0010	ND<0.0010	0.0030	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	--	--	--	0.10**	ND<0.0020	NA	NA	ND<0.0020	NA	NA	ND<0.0010	ND<0.0020	ND<0.0020	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA
Total DDD, DDE and DDT	--	--	--	0.10**	ND	NA	NA	ND	NA	NA	ND	ND	0.0030	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides (ug/kg) via EPA Method 8151																							
None Detected	--	--	--	--	ND	NA	NA	ND	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is

RSR = Connecticut Remediation Standard Regulations

RDEC = Residential Direct Exposure Criteria

GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA

GWPC = Groundwater Protection Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

NA = Not Analyzed

ND = Not detected above the laboratory reporting limit

NE= Not Established

ETPH = Extractable total petroleum hydrocarbons

PAHs = Polynuclear aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

PFAS = Per- and Polyfluoroalkyl Substances

SPLP = Synthetic precipitation leaching procedure

SVOCs = Semi-volatile organic compounds

VOCs = Volatile organic compounds

mg/kg = milligrams per kilogram (dry weight)

mg/L = milligrams per liter

ug/kg = micrograms per kilogram (dry weight)

ug/L = micrograms per liter

ESA = Environmental Site Assessment

Supp Inv = Supplemental Investigation

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA	Supp Inv		Phase II/III ESA	Supp Inv	Phase II/III ESA											
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B27 2-4ft	B27A 2-4ft	B27A 4-6ft	B27 6-7.5ft	B27A 6-7.5ft	B27 8-10ft	B27 16-18ft	B28 6-8ft	B28 16-18ft	B29 6-8.5ft	B29 9-11ft	B30 2-4ft	B30 12-14ft	B31 0-2ft	B32 2-4ft	B32 12-13ft	B33 0-0.5ft	B34 0-0.5ft
Sample Date					09/14/2023	5/21/2024	5/21/2024	09/14/2023	5/21/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/11/2023	09/12/2023	09/12/2023	09/11/2023
Sample Depth					2-4 FEET	2-4 FEET	4-6 FEET	6-7.5 FEET	6-7.5 FEET	8-10 FEET	16-18 FEET	6-8 FEET	16-18 FEET	6-8.5 FEET	9-11 FEET	2-4 FEET	12-14 FEET	0-2 FEET	2-4 FEET	12-13 FEET	0-0.5 FEET	0-0.5 FEET
Comments																						
ETPH (mg/kg) via CT Method	500	2,500	500	--	ND<55	NA	NA	NA	NA	ND<51	ND<56	ND<55	ND<55	ND<53	ND<53	ND<53	ND<60	ND<56	ND<53	ND<61	ND<60	ND<60
SPLP ETPH (mg/L) via CT Method	--	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																						
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.060	ND<0.061
VOCs (ug/kg) via EPA Method 8260																						
Acetone	500,000	1,000,000	14,000	--	ND	ND<100	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Naphthalene	1,000,000	2,500,000	5,600	--	11	ND<6.9	NA	NA	NA	ND<7.2	ND<7.5	ND<6.4	ND<7.5	ND<8.2	ND<7.3	ND<6.8	ND<7.8	ND<7.7	ND<7.5	ND<8.6	NA	NA
m, p-Xylene	500,000	1,000,000	19,500	--	ND	ND<6.9	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
2-Butanone (MEK)	500,000	1,000,000	8,000	--	ND	17	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
1,4-Dioxane (ug/kg) via EPA Method 8260																						
Not Detected	6,100**	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270					SVOCs (Note 2)	SVOCs	SVOCs	SVOCs		SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs		
2-Methyl Naphthalene	270,000**	1,000,000**	560**	--	ND	ND<240	ND<220	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Acenaphthene	1,000,000**	2,500,000**	8,400**	--	960	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Acenaphthylene	1,000,000	2,500,000	8,400	--	120	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Anthracene	1,000,000	2,500,000	40,000	--	1,900	ND<120	ND<110	ND<110	NA	ND<100	ND<110	210	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Benzo(a)anthracene	1,000	7,800	1,000	--	**4,200**	170	ND<110	ND<110	NA	ND<100	ND<110	540	ND<110	250	ND<110	ND<110	ND<120	ND<110	210	ND<120	NA	NA
Benzo(b)fluoranthene	1,000	7,800	1,000	--	**4,400**	240	ND<110	ND<110	NA	ND<100	ND<110	600	ND<110	310	ND<110	ND<110	ND<120	ND<110	280	ND<120	NA	NA
Benzo(k)fluoranthene	8,400	78,000	1,000	--	**1,800**	ND<120	ND<110	ND<110	NA	ND<100	ND<110	320	ND<110	160	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Benzo(g,h,i)perylene	8,400**	78,000**	1,000**	--	**2,400**	140	ND<110	ND<110	NA	ND<100	ND<110	340	ND<110	210	ND<110	ND<110	ND<120	ND<110	200	ND<120	NA	NA
Benzo(a)pyrene	1,000	1,000	1,000	--	**3,600**	180	ND<110	ND<110	NA	ND<100	ND<110	490	ND<110	250	ND<110	ND<110	ND<120	ND<110	250	ND<120	NA	NA
Carbazole	31,000**	290,000**	200**	--	**1,100**	ND<120	ND<110	ND<220	NA	ND<210	ND<230	ND<220	ND<220	ND<210	ND<210	ND<220	ND<240	ND<220	ND<220	ND<240	NA	NA
Chrysene	84,000**	780,000**	1,000**	--	**4,200**	210	ND<110	ND<110	NA	ND<100	ND<110	600	ND<110	290	ND<110	ND<110	ND<120	ND<110	220	ND<120	NA	NA
Dibenzo(a,h)anthracene	1,000**	1,000**	1,000**	--	590	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Dibenzofuran	68,000**	1,000,000**	200**	--	**550**	ND<120	ND<110	ND<220	NA	ND<210	ND<230	ND<220	ND<220	ND<210	ND<210	ND<220	ND<240	ND<220	ND<220	ND<240	NA	NA
Fluoranthene	1,000,000	2,500,000	5,600	--	**10,000**	400	ND<110	ND<110	NA	ND<100	ND<110	1,300	ND<110	510	ND<110	ND<110	ND<120	ND<110	380	ND<120	NA	NA
Fluorene	1,000,000	2,500,000	5,600	--	850	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Indeno(1,2,3-cd)pyrene	1,000**	7,800**	1,000**	--	**1,900**	120	ND<110	ND<110	NA	ND<100	ND<110	270	ND<110	160	ND<110	ND<110	ND<120	ND<110	150	ND<120	NA	NA
Isophorone	640,000**	2,500,000**	740**	--	ND<220	ND<240	ND<220	ND<220	NA	ND<210	ND<230	ND<220	ND<220	ND<210	ND<210	ND<220	ND<240	ND<220	ND<220	ND<240	NA	NA
Naphthalene	1,000,000	2,500,000	5,600	--	410	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Phenanthrene	1,000,000	2,500,000	4,000	--	**8,100**	200	ND<110	ND<110	NA	ND<100	ND<110	890	ND<110	280	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Pyrene	1,000,000	2,500,000	4,000	--	**8,000**	340	ND<110	ND<110	NA	ND<100	ND<110	1,100	ND<110	440	ND<110	ND<110	ND<120	ND<110	500	ND<120	NA	NA
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270					PAHs/ SVOCs																	
Acenaphthene	--	--	--	420**	1.8/ ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	--	280	1.3/ ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	--	200	2.7/ 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																						
Arsenic	10	10	--	--	4.1	NA	NA	NA	NA	ND<0.99	ND<1.1	1.8	ND<1.1	**30**	1.1	ND<1.1	ND<1.2	1.7	2.6	ND<1.1	NA	NA
Barium	4,700	140,000	--	--	79	NA	NA	NA	NA	13	9.0	21	23	47	12	15	31	21	21	16	NA	NA
Cadmium	34	1,000	--	--	ND<0.55	NA	NA	NA	NA	ND<0.49	ND<0.56	ND<0.55	ND<0.54	0.57	ND<0.49	ND<0.53	ND<0.61	ND<0.56	ND<0.54	ND<0.57	NA	NA
Chromium	100/3,900*	100/51,000*	--	--	18	NA	NA	NA	NA	3.5	4.0	6.9	5.1	11	4.1	6.1	5.5	8.9	10	8.8	NA	NA
Copper	2,500	76,000	--	--	24	NA	NA	NA	NA	3.6	4.3	8.4	4.9	16	6.7	6.3	5.7	7.6	9.0	6.4	NA	NA
Lead	400	1,000	--	--	13	NA	NA	NA	NA	ND<2.0	ND<2.2	24	ND<2.2	86	2.0	2.7	ND<2.4	11	13	3.4	NA	NA
Mercury (via EPA Method 7471)	20	610	--	--	ND<0.14	NA	NA	NA	NA	ND<0.13	ND<0.14	ND<0.14	ND<0.13	ND<0.13	ND<0.13	ND<0.14	ND<0.15	ND<0.14	ND<0.14	ND<0.15	NA	NA
Nickel	1,400	7,500	--	--	18	NA	NA	NA	NA	3.3	3.9	5.4	3.8	7.6	4.4	6.2	4.7	5.8	8.4	5.4	NA	NA
Selenium	340	10,000	--	--	ND<2.8	NA	NA	NA	NA	ND<2.5	ND<2.8	ND<2.8	ND<2.7	ND<2.6	ND<2.4	ND<2.7	ND<3.0	ND<2.8	ND<2.7	ND<2.9	NA	NA
Silver	340	10,000	--	--	ND<2.2	NA	NA	NA	NA	ND<2.0	ND<2.2	ND<2.2	ND<2.2	ND<2.1	ND<2.0	ND<2.1	ND<2.4	ND<2.3	ND<2.1	ND<2.3	NA	NA
Zinc	20,000	610,000	--	--	50	NA	NA	NA	NA	14	8.5	35	18	290	24	11	16	27	30	13	NA	NA
SPLP Metals (mg/L) via EPA Method 6020																						
Arsenic	--	--	0.05	--	ND<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	**0.065**	ND<0.0090	NA	NA	NA	NA	NA	NA	NA
Barium	--	--	1	--	0.053	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	--	0.05	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA
Copper	--	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	--	0.015	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.049**	ND<0.013	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	--	0.1	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16	NA	NA	NA	NA	NA	NA	NA	NA

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA	Supp Inv		Phase II/III ESA	Supp Inv	Phase II/III ESA												
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B27 2-4ft	B27A 2-4ft	B27A 4-6ft	B27 6-7.5ft	B27A 6-7.5ft	B27 8-10ft	B27 16-18ft	B28 6-8ft	B28 16-18ft	B29 6-8.5ft	B29 9-11ft	B30 2-4ft	B30 12-14ft	B31 0-2ft	B32 2-4ft	B32 12-13ft	B33 0-0.5ft	B34 0-0.5ft
Sample Date					09/14/2023	5/21/2024	5/21/2024	09/14/2023	5/21/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/11/2023	09/12/2023	09/12/2023	09/11/2023
Sample Depth					2-4 FEET	2-4 FEET	4-6 FEET	6-7.5 FEET	6-7.5 FEET	8-10 FEET	16-18 FEET	6-8 FEET	16-18 FEET	6-8.5 FEET	9-11 FEET	2-4 FEET	12-14 FEET	0-2 FEET	2-4 FEET	12-13 FEET	0-0.5 FEET	0-0.5 FEET
PFAS (ug/kg) via EPA Method 1633																						
Perfluorodecanesulfonic acid (PFDS)	NE	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																						
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<1.0	ND<1.0	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																						
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<5.4	ND<6.1	NA	NA
Pesticides (ug/kg) via EPA Method 8081																						
Heptachlor Epoxide	67	630	20	--	ND	NA	NA	NA	ND<2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA
Chlordane	490	2,200	66	--	ND<17	NA	NA	NA	ND<17	ND<15	ND<17	ND<17	ND<17	ND<16	ND<16	ND<16	ND<18	ND<17	NA	NA	**150**	NA
Dieldrin	38	360	7	--	ND<0.55	NA	NA	NA	ND<0.56	ND<0.51	ND<0.57	ND<0.55	ND<0.55	ND<0.53	ND<0.52	ND<0.54	ND<0.60	ND<0.57	NA	NA	ND<0.61	NA
Endosulfan sulfate	41,000**	1,000,000**	84**	--	ND	NA	NA	NA	ND<2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA
4,4-DDD	1,800**	17,000**	3**	--	**11**	NA	NA	NA	ND<0.56	ND<0.51	ND<0.57	**3.2**	ND<0.55	ND<0.53	ND<0.52	ND<0.54	ND<0.60	ND<0.57	NA	NA	ND<0.61	NA
4,4-DDE	1,800**	17,000**	3**	--	**36**	NA	NA	NA	1.7	ND<0.51	ND<0.57	**28**	**14**	**21**	ND<0.52	ND<0.54	ND<0.60	**34**	NA	NA	**40**	NA
4,4-DDT	1,800**	17,000**	3**	--	**14**	NA	NA	NA	ND<0.56	ND<0.51	ND<0.57	**8.6**	ND<0.55	**88**	ND<0.52	ND<0.54	ND<0.60	**15**	NA	NA	**49**	NA
Total DDD, DDE and DDT	1,800**	17,000**	3**	--	**61**	NA	NA	NA	2	ND<0.51	ND<0.57	**40**	**14**	**109**	ND<0.52	ND<0.54	ND<0.60	**49**	NA	NA	**89**	NA
SPLP Pesticides (ug/L) via EPA Method 8081B																						
gamma-BHC (Lindane)	--	--	--	0.2	ND	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA
Dieldrin	--	--	--	0.002	ND<0.0010	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010	NA
4,4-DDD	--	--	--	0.10**	ND<0.0010	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010	NA
4,4-DDE	--	--	--	0.10**	0.005	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	0.0020	NA	NA	ND<0.0010	NA
4,4-DDT	--	--	--	0.10**	ND<0.0020	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	0.0060	NA	NA	NA	ND<0.0020	NA	NA	ND<0.0020	NA
Total DDD, DDE and DDT	--	--	--	0.10**	0.005	NA	NA	NA	NA	NA	NA	ND	NA	0.0060	NA	NA	NA	0.0020	NA	NA	ND	NA
Herbicides (ug/kg) via EPA Method 8151																						
None Detected	--	--	--	--	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA

Notes and Abbreviations:

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is

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ETPH = Extractable total petroleum hydrocarbons

PAHs = Polynuclear aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

PFAS = Per- and Polyfluoroalkyl Substances

SPLP = Synthetic precipitation leaching procedure

SVOCs = Semi-volatile organic compounds

VOCs = Volatile organic compounds

mg/kg = milligrams per kilogram (dry weight)

mg/L = milligrams per liter

ug/kg = micrograms per kilogram (dry weight)

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ESA = Environmental Site Assessment

Supp Inv = Supplemental Investigation

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA - Building Interior - Soil Samples								Supp Inv								
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B35 0.5-1.5ft		B36 0.5-1.5ft	B36 1.5-2.5ft	B37 0.5-1.5ft		B38 0.5-1.5ft	B39 0.5-1.5ft	B40 0.3-1ft	B41 0.3-1ft	B42 0-2ft	B42 12-14ft	B43 0-2ft	B44 2-4ft	B44 4-6ft	B44 16-18ft	B45 0-2ft	B45 4-6ft	B46 2-4ft
Sample Date					10/09/2023		10/09/2023	10/09/2023	10/09/2023		10/09/2023	10/09/2023	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
Sample Depth					0.5-1.5 FEET		0.5-1.5 FEET	1.5-2.5 FEET	0.5-1.5 FEET		0.5-1.5 FEET	0.5-1.5 FEET	0.3-1 FEET	0.3-1 FEET	0-2 FEET	12-14 FEET	0-2 FEET	2-4 FEET	4-6 FEET	16-18 FEET	0-2 FEET	4-6 FEET	2-4 FEET
Comments						Duplicate				Duplicate													
ETPH (mg/kg) via CT Method	500	2,500	500	--	ND<50	NA	ND<51	NA	ND<50	NA	ND<51	ND<50	ND<56	ND<58	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP ETPH (mg/L) via CT Method	--	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																							
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																							
Acetone	500,000	1,000,000	14,000	--	ND	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<100
Naphthalene	1,000,000	2,500,000	5,600	--	ND<6.9	NA	ND<6.4	NA	ND<7.8	NA	ND<6.8	ND<7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<6.8
m, p-Xylene	500,000	1,000,000	19,500	--	ND	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<6.8
2-Butanone (MEK)	500,000	1,000,000	8,000	--	ND	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<17
1,4-Dioxane (ug/kg) via EPA Method 8260																							
Not Detected	6,100**	57,000**	100**	--	ND<2.5	NA	ND<2.6	NA	ND<2.6	NA	ND<2.6	ND<2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270					SVOCs		SVOCs		SVOCs		SVOCs	SVOCs						PAHs			PAHs	PAHs	SVOCs
2-Methyl Naphthalene	270,000**	1,000,000**	560**	--	ND	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND<280	NA	NA	ND<230	ND<220	ND<220
Acenaphthene	1,000,000**	2,500,000**	8,400**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	120	ND<110	ND<110
Acenaphthylene	1,000,000	2,500,000	8,400	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	ND<120	ND<110	ND<110
Anthracene	1,000,000	2,500,000	40,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	290	ND<110	ND<110
Benzo(a)anthracene	1,000	7,800	1,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	720	300	ND<110
Benzo(b)fluoranthene	1,000	7,800	1,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	200	NA	NA	880	330	ND<110
Benzo(k)fluoranthene	8,400	78,000	1,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	360	220	ND<110
Benzo(g,h,i)perylene	8,400**	78,000**	1,000**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	490	260	ND<110
Benzo(a)pyrene	1,000	1,000	1,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	150	NA	NA	700	310	ND<110
Carbazole	31,000**	290,000**	200**	--	ND<200	NA	ND<200	NA	ND<200	NA	ND<200	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<110
Chrysene	84,000**	780,000**	1,000**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	190	NA	NA	760	330	110
Dibenzo(a,h)anthracene	1,000**	1,000**	1,000**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	120	ND<110	ND<110
Dibenzofuran	68,000**	1,000,000**	200**	--	ND<200	NA	ND<200	NA	ND<200	NA	ND<200	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<110
Fluoranthene	1,000,000	2,500,000	5,600	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	420	NA	NA	1,700	810	170
Fluorene	1,000,000	2,500,000	5,600	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	120	ND<110	ND<110
Indeno(1,2,3-cd)pyrene	1,000**	7,800**	1,000**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	380	180	ND<110
Isophorone	640,000**	2,500,000**	740**	--	ND<200	NA	ND<200	NA	ND<200	NA	ND<200	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<220
Naphthalene	1,000,000	2,500,000	5,600	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	ND<120	ND<110	ND<110
Phenanthrene	1,000,000	2,500,000	4,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	220	NA	NA	1,200	430	170
Pyrene	1,000,000	2,500,000	4,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	330	NA	NA	1,500	700	210
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																							
Acenaphthene	--	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																							
Arsenic	10	10	--	--	1.1	NA	2.6	NA	1.8	NA	ND<1.0	1.7	NA	NA	2.3	NA	NA	3.6	2.4	NA	NA	NA	NA
Barium	4,700	140,000	--	--	14	NA	22	NA	17	NA	38	15	NA	NA	20	NA	NA	34	28	NA	NA	NA	NA
Cadmium	34	1,000	--	--	ND<0.49	NA	0.54	NA	ND<0.48	NA	ND<0.50	ND<0.51	NA	NA	ND<0.52	NA	NA	ND<0.64	ND<0.60	NA	NA	NA	NA
Chromium	100/3,900*	100/51,000*	--	--	5.6	NA	22	NA	5.6	NA	4.3	5.6	NA	NA	11	NA	NA	12	14	NA	NA	NA	NA
Copper	2,500	76,000	--	--	6.1	NA	29	NA	7.8	NA	8.1	15	NA	NA	19	NA	NA	10	8.4	NA	NA	NA	NA
Lead	400	1,000	--	--	4.2	NA	6.9	NA	6.2	NA	4.1	6.5	NA	NA	10	NA	NA	48	36	NA	NA	NA	NA
Mercury (via EPA Method 7471)	20	610	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.14	NA	NA	ND<0.16	ND<0.16	NA	NA	NA	NA
Nickel	1,400	7,500	--	--	5.2	NA	16	NA	6.4	NA	4.4	6.2	NA	NA	7.5	NA	NA	7.4	7.4	NA	NA	NA	NA
Selenium	340	10,000	--	--	ND<2.4	NA	ND<2.6	NA	ND<2.4	NA	ND<2.5	ND<2.5	NA	NA	ND<2.6	NA	NA	ND<3.2	ND<3.0	NA	NA	NA	NA
Silver	340	10,000	--	--	ND<1.9	NA	ND<2.1	NA	ND<1.9	NA	ND<2.0	ND<2.0	NA	NA	ND<2.1	NA	NA	ND<2.6	ND<2.4	NA	NA	NA	NA
Zinc	20,000	610,000	--	--	18	NA	52	NA	25	NA	23	34	NA	NA	36	NA	NA	54	39	NA	NA	NA	NA
SPLP Metals (mg/L) via EPA Method 6020																							
Arsenic	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.010	NA	NA	ND<0.010	NA	NA	NA	NA	NA
Barium	--	--	1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.056	NA	NA	ND<0.056	NA	NA	NA	NA	NA
Cadmium	--	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0056	NA	NA	ND<0.0056	NA	NA	NA	NA	NA
Chromium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.056	NA	NA	ND<0.056	NA	NA	NA	NA	NA
Copper	--	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.044	NA	NA	ND<0.044	NA	NA	NA	NA	NA
Lead	--	--	0.015	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.014	NA	NA	**0.053**	ND<0.014	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0022	NA	NA	ND<0.0022	NA	NA	NA	NA	NA
Nickel	--	--	0.1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.056	NA	NA	ND<0.056	NA	NA	NA	NA	NA
Selenium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.011	NA	NA	ND<0.011	NA	NA	NA	NA	NA
Silver	--	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.022	NA	NA	ND<0.022	NA	NA	NA	NA	NA
Zinc	--	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025	NA	NA	0.075	NA	NA	NA	NA	NA

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Phase II/III ESA - Building Interior - Soil Samples								Supp Inv									
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B35 0.5-1.5ft		B36 0.5-1.5ft	B36 1.5-2.5ft	B37 0.5-1.5ft		B38 0.5-1.5ft	B39 0.5-1.5ft	B40 0.3-1ft	B41 0.3-1ft	B42 0-2ft	B42 12-14ft	B43 0-2ft	B44 2-4ft	B44 4-6ft	B44 16-18ft	B45 0-2ft	B45 4-6ft	B46 2-4ft
Sample Date					10/09/2023		10/09/2023	10/09/2023	10/09/2023		10/09/2023	10/09/2023	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
Sample Depth					0.5-1.5 FEET		0.5-1.5 FEET	1.5-2.5 FEET	0.5-1.5 FEET		0.5-1.5 FEET	0.5-1.5 FEET	0.3-1 FEET	0.3-1 FEET	0-2 FEET	12-14 FEET	0-2 FEET	2-4 FEET	4-6 FEET	16-18 FEET	0-2 FEET	4-6 FEET	2-4 FEET
PFAS (ug/kg) via EPA Method 1633																							
Perfluorodecanesulfonic acid (PFDS)	NE	NE	NE	--	ND<0.090	ND<0.090	0.11	ND<0.096	ND<0.099	ND<0.099	ND<0.094	ND<0.092	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																							
None Detected	--	--	--	--	ND<1.0	NA	ND<1.0	NA	ND<1.0	NA	ND<1.0	ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																							
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																							
Heptachlor Epoxide	67	630	20	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<2.9	ND<2.8	ND<2.8	ND<3.4	NA	ND<2.7	ND<2.9	ND<2.8	NA
Chlordane	490	2,200	66	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**360**	ND<17	49	**100**	NA	ND<16	ND<17	ND<17	NA
Dieldrin	38	360	7	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.58	ND<0.56	ND<0.57	**30**	NA	0.81	ND<0.58	ND<0.56	NA
Endosulfan sulfate	41,000**	1,000,000**	84**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<2.9	ND<2.8	ND<2.8	ND<3.4	NA	ND<2.7	ND<2.9	ND<2.8	NA
4,4-DDD	1,800**	17,000**	3**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.58	ND<0.56	ND<0.57	**68**	NA	1.3	ND<0.58	ND<0.56	NA
4,4-DDE	1,800**	17,000**	3**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**160**	5.1	**45**	**190**	NA	5.1	ND<0.58	ND<0.56	NA
4,4-DDT	1,800**	17,000**	3**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**170**	3.7	**34**	**51**	NA	2.7	ND<0.58	ND<0.56	NA
Total DDD, DDE and DDT	1,800**	17,000**	3**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**330**	9	**79**	**309**	NA	9	ND<0.58	ND<0.56	NA
SPLP Pesticides (ug/L) via EPA Method 8081B																							
gamma-BHC (Lindane)	--	--	--	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0050	NA	ND<0.0050	ND<0.0050	NA	NA	NA	NA	NA
Dieldrin	--	--	--	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	ND<0.0020	ND<0.0020	NA	NA	NA	NA	NA
4,4-DDD	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA
4,4-DDE	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006	NA	0.002	ND<0.0010	NA	NA	NA	NA	NA
4,4-DDT	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA
Total DDD, DDE and DDT	--	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006	NA	0.002	ND	NA	NA	NA	NA	NA
Herbicides (ug/kg) via EPA Method 8151																							
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

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VOCs = Volatile organic compounds

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mg/L = milligrams per liter

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Supp Inv = Supplemental Investigation

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Supp Inv																
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B47 2-4ft	B47 8-9.5ft	B48 2-4ft	B48 4-5ft	B49 4-6ft	B49 6-8ft	B50 0-2ft	B50 6-8ft	B51 6-7.5ft	B52 4-6ft	B53 0-2ft	B53 6-8ft	B54 6-8ft	B55 0-2ft	B56 2-4ft	B56 4-6ft	B57 0-2ft	B57 2-4ft
Sample Date					5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/20/2024	5/21/2024	5/21/2024	5/20/2024	5/20/2024
Sample Depth					2-4 FEET	8-9.5 FEET	2-4 FEET	4-5 FEET	4-6 FEET	6-8 FEET	0-2 FEET	6-8 FEET	6-7.5 FEET	4-6 FEET	0-2 FEET	6-8 FEET	6-8 FEET	0-2 FEET	2-4 FEET	4-6 FEET	0-2 FEET	2-4 FEET
Comments																		SEE B25 2-4ft				
ETPH (mg/kg) via CT Method	500	2,500	500	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<56	NA	ND<57	ND<52	NA	NA	NA	NA	NA
SPLP ETPH (mg/L) via CT Method	--	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																						
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																						
Acetone	500,000	1,000,000	14,000	--	120	NA	ND<92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000,000	2,500,000	5,600	--	ND<6.9	NA	ND<6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m, p-Xylene	500,000	1,000,000	19,500	--	ND<6.9	NA	ND<6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	500,000	1,000,000	8,000	--	30	NA	ND<15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane (ug/kg) via EPA Method 8260																						
Not Detected	6,100**	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270					SVOCs		SVOCs	SVOCs	PAHs	PAHs		PAHs	PAHs	PAHs		PAHs	PAHs	PAHs	PAHs (Note 2)	PAHs (Note 3)	PAHs	
2-Methyl Naphthalene	270,000**	1,000,000**	560**	--	ND<230	NA	ND<230	ND<230	ND<210	ND<210	NA	ND<210	ND<210	ND<220	NA	ND<220	ND<230	ND<230	ND<220	370	ND<230	NA
Acenaphthene	1,000,000**	2,500,000**	8,400**	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<100	ND<120	300	950	ND<120	NA
Acenaphthylene	1,000,000	2,500,000	8,400	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<110	ND<120	ND<110	160	ND<120	NA
Anthracene	1,000,000	2,500,000	40,000	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	130	ND<120	560	1,800	ND<120	NA
Benzo(a)anthracene	1,000	7,800	1,000	--	190	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	120	NA	ND<110	370	ND<120	**1,300**	**4,100**	230	NA
Benzo(b)fluoranthene	1,000	7,800	1,000	--	300	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	160	NA	ND<110	490	130	**1,600**	**4,500**	270	NA
Benzo(k)fluoranthene	8,400	78,000	1,000	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	210	ND<120	660	**2,200**	140	NA
Benzo(g,h,i)perylene	8,400**	78,000**	1,000**	--	210	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	280	ND<120	860	**2,600**	180	NA
Benzo(a)pyrene	1,000	1,000	1,000	--	250	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	140	NA	ND<110	390	ND<120	**1,300**	**3,900**	240	NA
Carbazole	31,000**	290,000**	200**	--	ND<120	NA	ND<110	ND<110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	84,000**	780,000**	1,000**	--	250	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	130	NA	ND<110	430	ND<120	**1,500**	**4,300**	250	NA
Dibenzo(a,h)anthracene	1,000**	1,000**	1,000**	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<100	ND<120	220	660	ND<120	NA
Dibenzofuran	68,000**	1,000,000**	200**	--	ND<120	NA	ND<110	ND<110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000,000	2,500,000	5,600	--	470	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	240	NA	ND<110	1,000	200	3,700	**11,000**	430	NA
Fluorene	1,000,000	2,500,000	5,600	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<100	ND<120	340	960	ND<120	NA
Indeno(1,2,3-cd)pyrene	1,000**	7,800**	1,000**	--	140	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	220	ND<120	700	**2,100**	140	NA
Isophorone	640,000**	2,500,000**	740**	--	ND<230	NA	ND<230	ND<230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000,000	2,500,000	5,600	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<100	ND<120	190	560	ND<120	NA
Phenanthrene	1,000,000	2,500,000	4,000	--	290	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	880	130	3,200	**9,900**	220	NA
Pyrene	1,000,000	2,500,000	4,000	--	550	NA	ND<110	130	ND<110	ND<100	NA	ND<110	ND<100	210	NA	ND<110	800	220	2,900	**8,900**	530	NA
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																						
Acenaphthene	--	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<1.0	NA	NA	NA
Naphthalene	--	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<1.0	NA	NA	NA
Phenanthrene	--	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																						
Arsenic	10	10	--	--	NA	5.2	NA	5	1.3	ND<1.0	NA	1.1	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	4,700	140,000	--	--	NA	67	NA	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	34	1,000	--	--	NA	ND<0.56	NA	ND<0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100/3,900*	100/51,000*	--	--	NA	23	NA	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	2,500	76,000	--	--	NA	24	NA	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	1,000	--	--	NA	13	NA	13	42	3.3	NA	2.8	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471)	20	610	--	--	NA	ND<0.13	NA	ND<0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	1,400	7,500	--	--	NA	19	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	340	10,000	--	--	NA	ND<2.8	NA	ND<2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	340	10,000	--	--	NA	ND<2.3	NA	ND<2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	20,000	610,000	--	--	NA	47	NA	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Metals (mg/L) via EPA Method 6020																						
Arsenic	--	--	0.05	--	NA	NA	NA	ND<0.010	ND<0.0090	ND<0.0090	NA	ND<0.0090	ND<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	--	--	1	--	NA	NA	NA	0.094	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	--	0.05	--	NA	NA	NA	ND<0.056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	--	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	--	0.015	--	NA	NA	NA	NA	ND<0.013	ND<0.013	NA	ND<0.013	ND<0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	--	0.1	--	NA	NA	NA	ND<0.056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Supp Inv															
Sample ID					B47 2-4ft	B47 8-9.5ft	B48 2-4ft	B48 4-5ft	B49 4-6ft	B49 6-8ft	B50 0-2ft	B50 6-8ft	B51 6-7.5ft	B52 4-6ft	B53 0-2ft	B53 6-8ft	B54 6-8ft	B55 0-2ft	B56 2-4ft	B56 4-6ft	B57 0-2ft	B57 2-4ft
Sample Date	RDEC	I/C DEC	GA PMC	GWPC	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/20/2024	5/21/2024	5/21/2024	5/20/2024	5/20/2024
Sample Depth					2-4 FEET	8-9.5 FEET	2-4 FEET	4-5 FEET	4-6 FEET	6-8 FEET	0-2 FEET	6-8 FEET	6-7.5 FEET	4-6 FEET	0-2 FEET	6-8 FEET	6-8 FEET	0-2 FEET	2-4 FEET	4-6 FEET	0-2 FEET	2-4 FEET
PFAS (ug/kg) via EPA Method 1633																						
Perfluorodecanesulfonic acid (PFDS)	NE	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																						
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																						
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																						
Heptachlor Epoxide	67	630	20	--	ND<2.9	ND<2.8	NA	NA	NA	ND<2.6	ND<3.0	NA	NA	NA	ND<2.9	NA	NA	14	ND<2.8	NA	ND<2.9	ND<2.6
Chlordane	490	2,200	66	--	ND<18	ND<17	NA	NA	NA	ND<15	**150**	NA	NA	NA	ND<18	NA	NA	**540**	ND<17	NA	44	ND<15
Dieldrin	38	360	7	--	ND<0.58	ND<0.57	NA	NA	NA	ND<0.52	ND<0.59	NA	NA	NA	ND<0.59	NA	NA	ND<0.58	0.94	NA	ND<0.58	ND<0.51
Endosulfan sulfate	41,000**	1,000,000**	84**	--	ND<2.9	ND<2.8	NA	NA	NA	ND<2.6	ND<3.0	NA	NA	NA	13	NA	NA	ND<2.9	ND<2.8	NA	5.7	ND<2.6
4,4-DDD	1,800**	17,000**	3**	--	ND<0.58	ND<0.57	NA	NA	NA	ND<0.52	ND<0.59	NA	NA	NA	**24**	NA	NA	ND<0.58	0.84	NA	ND<0.58	ND<0.51
4,4-DDE	1,800**	17,000**	3**	--	ND<0.58	**3.3**	NA	NA	NA	ND<0.52	**77**	NA	NA	NA	**83**	NA	NA	**170**	1.3	NA	**50**	0.93
4,4-DDT	1,800**	17,000**	3**	--	ND<0.58	**5.1**	NA	NA	NA	ND<0.52	**62**	NA	NA	NA	**60**	NA	NA	**150**	1.4	NA	**48**	ND<0.51
Total DDD, DDE and DDT	1,800**	17,000**	3**	--	ND<0.58	**8**	NA	NA	NA	ND<0.52	**139**	NA	NA	NA	**167**	NA	NA	**320**	**4**	NA	**98**	1
SPLP Pesticides (ug/L) via EPA Method 8081B																						
gamma-BHC (Lindane)	--	--	--	0.2	NA	ND<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0050	ND<0.0050	NA	ND<0.0050	NA
Dieldrin	--	--	--	0.002	NA	ND<0.0020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0020	ND<0.0020	NA	ND<0.0020	NA
4,4-DDD	--	--	--	0.10**	NA	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	ND<0.0010	NA	ND<0.0010	NA
4,4-DDE	--	--	--	0.10**	NA	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006	ND<0.0010	NA	ND<0.0010	NA
4,4-DDT	--	--	--	0.10**	NA	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005	ND<0.0010	NA	ND<0.0010	NA
Total DDD, DDE and DDT	--	--	--	0.10**	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.011	ND	NA	ND	NA
Herbicides (ug/kg) via EPA Method 8151																						
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is

RSR = Connecticut Remediation Standard Regulations

RDEC = Residential Direct Exposure Criteria

GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA

GWPC = Groundwater Protection Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

NA = Not Analyzed

ND = Not detected above the laboratory reporting limit

NE= Not Established

ETPH = Extractable total petroleum hydrocarbons

PAHs = Polynuclear aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

PFAS = Per- and Polyfluoroalkyl Substances

SPLP = Synthetic precipitation leaching procedure

SVOCs = Semi-volatile organic compounds

VOCs = Volatile organic compounds

mg/kg = milligrams per kilogram (dry weight)

mg/L = milligrams per liter

ug/kg = micrograms per kilogram (dry weight)

ug/L = micrograms per liter

ESA = Environmental Site Assessment

Supp Inv = Supplemental Investigation

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Supp Inv												
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B58 0.5-2ft	B58 10-12ft	B59 0-2ft	B59 2-4ft	B60 0-2ft	B60 2-4ft	B61 0-2ft	B61 2-4ft	B62 0-2ft	B63 0-2ft	B63 2-4ft	B64 0-2ft	B64 2-4ft
Sample Date					5/20/2024	5/21/2024	5/20/2024	5/21/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024
Sample Depth					0.5-2 FEET	10-12 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	0-2 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET
Comments																	
ETPH (mg/kg) via CT Method	500	2,500	500	--	ND<52	ND<55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP ETPH (mg/L) via CT Method	--	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																	
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																	
Acetone	500,000	1,000,000	14,000	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<110	NA	NA
Naphthalene	1,000,000	2,500,000	5,600	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<7.1	NA	NA
m, p-Xylene	500,000	1,000,000	19,500	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<7.1	NA	NA
2-Butanone (MEK)	500,000	1,000,000	8,000	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<18	NA	NA
1,4-Dioxane (ug/kg) via EPA Method 8260																	
Not Detected	6,100**	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270							PAHs		PAHs		PAHs (Note 3)	PAHs	PAHs	PAHs		PAHs (Note 3)	PAHs
2-Methyl Naphthalene	270,000**	1,000,000**	560**	--	NA	NA	ND<230	NA	ND<240	NA	ND<240	ND<220	ND<230	ND<220	NA	ND<220	ND<220
Acenaphthene	1,000,000**	2,500,000**	8,400**	--	NA	NA	ND<110	NA	ND<120	NA	ND<120	ND<110	ND<120	ND<110	NA	220	ND<110
Acenaphthylene	1,000,000	2,500,000	8,400	--	NA	NA	ND<110	NA	130	NA	470	ND<110	ND<120	340	NA	1,000	ND<110
Anthracene	1,000,000	2,500,000	40,000	--	NA	NA	ND<110	NA	ND<120	NA	620	ND<110	ND<120	190	NA	840	ND<110
Benzo(a)anthracene	1,000	7,800	1,000	--	NA	NA	ND<110	NA	430	NA	**1,600**	120	130	660	NA	**2,800**	ND<110
Benzo(b)fluoranthene	1,000	7,800	1,000	--	NA	NA	ND<110	NA	580	NA	**1,900**	140	260	1,000	NA	**3,800**	ND<110
Benzo(k)fluoranthene	8,400	78,000	1,000	--	NA	NA	ND<110	NA	180	NA	710	ND<110	ND<120	510	NA	**1,700**	ND<110
Benzo(g,h,i)perylene	8,400**	78,000**	1,000**	--	NA	NA	ND<110	NA	370	NA	**1,100**	120	130	600	NA	**2,300**	ND<110
Benzo(a)pyrene	1,000	1,000	1,000	--	NA	NA	ND<110	NA	460	NA	**1,600**	130	170	800	NA	**3,100**	ND<110
Carbazole	31,000**	290,000**	200**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	84,000**	780,000**	1,000**	--	NA	NA	ND<110	NA	510	NA	**1,700**	120	220	920	NA	**3,800**	ND<110
Dibenzo(a,h)anthracene	1,000**	1,000**	1,000**	--	NA	NA	ND<110	NA	ND<120	NA	210	ND<110	ND<120	130	NA	600	ND<110
Dibenzofuran	68,000**	1,000,000**	200**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1,000,000	2,500,000	5,600	--	NA	NA	ND<110	NA	780	NA	4,800	260	390	1,400	NA	**7,100**	140
Fluorene	1,000,000	2,500,000	5,600	--	NA	NA	ND<110	NA	ND<120	NA	290	ND<110	ND<120	ND<110	NA	530	ND<110
Indeno(1,2,3-cd)pyrene	1,000**	7,800**	1,000**	--	NA	NA	ND<110	NA	260	NA	820	ND<110	ND<120	500	NA	**1,800**	ND<110
Isophorone	640,000**	2,500,000**	740**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	1,000,000	2,500,000	5,600	--	NA	NA	ND<110	NA	ND<120	NA	ND<120	ND<110	ND<120	ND<110	NA	170	ND<110
Phenanthrene	1,000,000	2,500,000	4,000	--	NA	NA	ND<110	NA	350	NA	**4,200**	ND<110	280	700	NA	**5,200**	ND<110
Pyrene	1,000,000	2,500,000	4,000	--	NA	NA	110	NA	1,200	NA	**4,500**	270	420	1,600	NA	**7,300**	120
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																	
Acenaphthene	--	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																	
Arsenic	10	10	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	4,700	140,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	34	1,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100/3,900*	100/51,000*	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	2,500	76,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	400	1,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471)	20	610	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	1,400	7,500	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	340	10,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	340	10,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	20,000	610,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Metals (mg/L) via EPA Method 6020																	
Arsenic	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	--	--	1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	--	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	--	0.015	--	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.013	ND<0.013	NA	ND<0.013	NA
Mercury (via EPA Method 7471 or 6020)	--	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	--	0.1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2A
Summary of Soil Sample Analytical Results
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria				Supp Inv												
Sample ID	RDEC	I/C DEC	GA PMC	GWPC	B58 0.5-2ft	B58 10-12ft	B59 0-2ft	B59 2-4ft	B60 0-2ft	B60 2-4ft	B61 0-2ft	B61 2-4ft	B62 0-2ft	B63 0-2ft	B63 2-4ft	B64 0-2ft	B64 2-4ft
Sample Date					5/20/2024	5/21/2024	5/20/2024	5/21/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024
Sample Depth					0.5-2 FEET	10-12 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	0-2 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET
PFAS (ug/kg) via EPA Method 1633																	
Perfluorodecanesulfonic acid (PFDS)	NE	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																	
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																	
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																	
Heptachlor Epoxide	67	630	20	--	NA	NA	ND<2.9	ND<3.0	ND<3.0	ND<2.6	ND<3.0	ND<2.8	ND<2.9	ND<2.8	ND<2.6	ND<2.8	ND<2.7
Chlordane	490	2,200	66	--	NA	NA	**480**	ND<18	**130**	ND<16	26	ND<17	ND<17	ND<17	ND<16	**200**	ND<16
Dieldrin	38	360	7	--	NA	NA	ND<0.57	ND<0.60	ND<0.61	ND<0.53	ND<0.60	2.4	3.4	6.9	ND<0.52	**140**	ND<0.53
Endosulfan sulfate	41,000**	1,000,000**	84**	--	NA	NA	ND<2.9	ND<3.0	ND<3.0	ND<2.6	6.3	ND<2.8	ND<2.9	ND<2.8	ND<2.6	ND<2.8	ND<2.7
4,4-DDD	1,800**	17,000**	3**	--	NA	NA	ND<0.57	ND<0.60	ND<0.61	0.86	**9.6**	**14**	ND<0.58	ND<0.56	ND<0.52	ND<0.56	ND<0.53
4,4-DDE	1,800**	17,000**	3**	--	NA	NA	**170**	ND<0.60	**72**	2.8	**30**	**14**	**7.6**	**13**	**4.4**	**64**	ND<0.53
4,4-DDT	1,800**	17,000**	3**	--	NA	NA	**200**	ND<0.60	**64**	2.5	**20**	**8**	**8.3**	**19**	**4.4**	**120**	ND<0.53
Total DDD, DDE and DDT	1,800**	17,000**	3**	--	NA	NA	**370**	ND<0.60	**136**	**6**	**60**	**36**	**16**	**32**	**9**	**184**	ND<0.53
SPLP Pesticides (ug/L) via EPA Method 8081B																	
gamma-BHC (Lindane)	--	--	--	0.2	NA	NA	ND<0.0050	NA	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
Dieldrin	--	--	--	0.002	NA	NA	ND<0.0020	NA	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	0.002	0.005 (Note 1)	ND<0.0020	**0.048**	ND<0.0020
4,4-DDD	--	--	--	0.10**	NA	NA	ND<0.0010	NA	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
4,4-DDE	--	--	--	0.10**	NA	NA	ND<0.0010	NA	0.002	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
4,4-DDT	--	--	--	0.10**	NA	NA	ND<0.0010	NA	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
Total DDD, DDE and DDT	--	--	--	0.10**	NA	NA	ND	NA	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ug/kg) via EPA Method 8151																	
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is

RSR = Connecticut Remediation Standard Regulations

RDEC = Residential Direct Exposure Criteria

GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA

GWPC = Groundwater Protection Criteria

I/C DEC = Industrial/Commercial Direct Exposure Criteria

NA = Not Analyzed

ND = Not detected above the laboratory reporting limit

NE= Not Established

ETPH = Extractable total petroleum hydrocarbons

PAHs = Polynuclear aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

PFAS = Per- and Polyfluoroalkyl Substances

SPLP = Synthetic precipitation leaching procedure

SVOCs = Semi-volatile organic compounds

VOCs = Volatile organic compounds

mg/kg = milligrams per kilogram (dry weight)

mg/L = milligrams per liter

ug/kg = micrograms per kilogram (dry weight)

ug/L = micrograms per liter

ESA = Environmental Site Assessment

Supp Inv = Supplemental Investigation

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II ESA - Completed By Others														
Sample ID	I/C DEC	GA PMC	GWPC	L1985-1-S2	L1985-2-S3	L1985-3MW-S3	L1985-4-S2	L1985-5MW-S1	L1985-6MW-S3	L1985-7-S2	L1985-8-S3	L1985-9-S1	L1985-10MW-S2	L1985-11-S1	L1985-12-S1	L1985-13-S1	L1985-14-S1	L1985-15-S1
Sample Date				5/25/2021	5/25/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/24/2021
Sample Depth				1-3 FEET	10-11 FEET	10-11 FEET	1-3 FEET	0.5-1 FEET	12-14 FEET	1-3 FEET	15-16 FEET	0-0.5 FEET	1-3 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET
Comments																		SEE B17 0-0.5
ETPH (mg/kg) via CT Method	2,500	500	--	16	ND<8.3	11	ND<6.4	ND<7.2	ND<6.5	ND<7.0	ND<6.4	61.4	58.2	34.1	10.4	73.8	36.9	41.4
SPLP ETPH (mg/L) via CT Method	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																		
None Detected	--	--	--	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
VOCs (ug/kg) via EPA Method 8260																		
Acetone	1,000,000	14,000	--	ND<5.6	ND<6.3	ND<5.9	ND<5.6	ND<6.3	ND<5.9	ND<6.2	ND<7.5	ND<9.3	6.6	ND<7.1	NA	NA	NA	ND<7.0
Naphthalene	2,500,000	5,600	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
m, p-Xylene	1,000,000	19,500	--	ND<0.56	ND<0.63	ND<0.59	ND<0.56	0.84	ND<0.59	ND<0.62	ND<0.75	ND<0.93	ND<0.50	ND<0.71	NA	NA	NA	ND<0.70
2-Butanone (MEK)	1,000,000	8,000	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
1,4-Dioxane (ug/kg) via EPA Method 8260																		
Not Detected	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270				PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs	PAHs				PAHs
2-Methyl Naphthalene	1,000,000**	560**	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Acenaphthene	2,500,000***	8,400**	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Acenaphthylene	2,500,000***	8,400	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	84.4	62.4	ND<36	NA	NA	NA	ND<36
Anthracene	2,500,000***	40,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	87.6	64.8	ND<36	NA	NA	NA	ND<36
Benzo(a)anthracene	57,000***	1,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	266	214	ND<36	NA	NA	NA	73.7
Benzo(b)fluoranthene	57,000***	1,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	41.8	ND<33	393	386	40.9	NA	NA	NA	109
Benzo(k)fluoranthene	57,000***	1,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	131	162	ND<36	NA	NA	NA	ND<36
Benzo(g,h,i)perylene	78,000**	1,000**	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	222	193	ND<36	NA	NA	NA	59.9
Benzo(a)pyrene	5,700***	1,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	300	247	ND<36	NA	NA	NA	67.8
Carbazole	290,000**	200**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	780,000**	1,000**	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	332	318	ND<36	NA	NA	NA	94.6
Dibenzo(a,h)anthracene	5,700***	1,000**	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	55.4	44.3	ND<36	NA	NA	NA	ND<36
Dibenzofuran	1,000,000**	200**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	2,500,000***	5,600	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	58.9	ND<33	486	487	45.6	NA	NA	NA	137
Fluorene	2,500,000***	5,600	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Indeno(1,2,3-cd)pyrene	7,800**	1,000**	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	ND<34	ND<33	232	218	ND<36	NA	NA	NA	62
Isophorone	2,500,000**	740**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	2,500,000***	5,600	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Phenanthrene	2,500,000***	4,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	34.4	ND<33	336	321	ND<36	NA	NA	NA	131
Pyrene	2,500,000***	4,000	--	ND<33	ND<40	ND<34	ND<34	ND<34	ND<34	59.5	ND<33	798	587	55.4	NA	NA	NA	277
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																		
Acenaphthene	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																		
Arsenic	10	--	--	ND<2.1	1.5	ND<2.0	ND<2.2	ND<2.2	ND<2.1	ND<2.2	ND<2.0	3.7	3.6	3	NA	NA	NA	2.9
Barium	140,000	--	--	ND<21	16.3	ND<20	ND<22	ND<22	ND<21	ND<22	22.1	37	42.6	23	NA	NA	NA	ND<23
Cadmium	1,000	--	--	ND<0.52	ND<0.35	ND<0.49	ND<0.54	ND<0.55	ND<0.52	ND<0.54	ND<0.49	ND<0.56	0.67	ND<0.56	NA	NA	NA	ND<0.58
Chromium	100/51,000*	--	--	3.6	5.4	9.6	3.9	6.4	5	5.9	3.9	12	10.6	12.9	NA	NA	NA	8.6
Copper	76,000	--	--	6.5	5.7	5.9	4	5.2	3.2	4.9	3.4	14.2	20.3	10.9	NA	NA	NA	21
Lead	1,000	--	--	4.1	2.7	5.2	2.3	6.6	2.8	4.3	2.3	45	35.7	8.2	NA	NA	NA	21.8
Mercury (via EPA Method 7471)	610	--	--	ND<0.033	ND<0.035	ND<0.030	ND<0.031	ND<0.036	ND<0.034	ND<0.032	ND<0.031	0.07	0.033	ND<0.034	NA	NA	NA	ND<0.037
Nickel	7,500	--	--	ND<4.1	5.0	7.3	4.8	6.1	5.3	21.8	4.2	8.6	11.4	10.1	NA	NA	NA	6.5
Selenium	10,000	--	--	ND<2.1	ND<1.4	ND<2.0	ND<2.2	ND<2.2	ND<2.1	ND<2.2	ND<2.0	ND<2.2	ND<2.4	ND<2.2	NA	NA	NA	ND<2.3
Silver	10,000	--	--	ND<0.52	0.38	ND<0.49	ND<0.54	0.98	ND<0.52	ND<0.54	ND<0.49	ND<0.56	ND<0.59	0.69	NA	NA	NA	ND<0.58
Zinc	610,000	--	--	15.2	13.6	17.2	9.6	21.1	10.4	18.3	9.6	56.6	61.8	35.9	NA	NA	NA	41.3
SPLP Metals (mg/L) via EPA Method 6020																		
Arsenic	--	0.05	--	NA	NA	ND<0.1	NA	NA	NA	NA	NA	NA	ND<0.1	NA	NA	NA	NA	NA
Barium	--	1	--	NA	NA	ND<0.2	NA	NA	NA	NA	NA	NA	ND<0.2	NA	NA	NA	NA	NA
Cadmium	--	0.005	--	NA	NA	ND<0.004	NA	NA	NA	NA	NA	NA	ND<0.004	NA	NA	NA	NA	NA
Chromium	--	0.05	--	NA	NA	ND<0.01	NA	NA	NA	NA	NA	NA	ND<0.01	NA	NA	NA	NA	NA
Copper	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	0.015	--	NA	NA	ND<0.015	NA	NA	NA	NA	NA	NA	ND<0.015	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	0.002	--	NA	NA	ND<0.0002	NA	NA	NA	NA	NA	NA	ND<0.0002	NA	NA	NA	NA	NA
Nickel	--	0.1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	0.05	--	NA	NA	ND<0.1	NA	NA	NA	NA	NA	NA	ND<0.1	NA	NA	NA	NA	NA
Silver	--	0.036	--	NA	NA	ND<0.01	NA	NA	NA	NA	NA	NA	ND<0.01	NA	NA	NA	NA	NA
Zinc	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II ESA - Completed By Others														
Sample ID	I/C DEC	GA PMC	GWPC	L1985-1-S2	L1985-2-S3	L1985-3MW-S3	L1985-4-S2	L1985-5MW-S1	L1985-6MW-S3	L1985-7-S2	L1985-8-S3	L1985-9-S1	L1985-10MW-S2	L1985-11-S1	L1985-12-S1	L1985-13-S1	L1985-14-S1	L1985-15-S1
Sample Date				5/25/2021	5/25/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/25/2021	5/24/2021	5/24/2021	5/24/2021	5/24/2021
Sample Depth				1-3 FEET	10-11 FEET	10-11 FEET	1-3 FEET	0.5-1 FEET	12-14 FEET	1-3 FEET	15-16 FEET	0-0.5 FEET	1-3 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET
PFAS (ug/kg) via EPA Method 1633																		
Perfluorodecanesulfonic acid (PFDS)	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																		
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																		
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																		
Heptachlor Epoxide	630	20	--	NA	NA	NA	NA	NA	ND<0.64	1.1	ND<0.65	ND<0.70	ND<0.70	ND<0.74	NA	NA	NA	ND<0.74
Chlordane	2,200	66	--	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Dieldrin	360	7	--	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
Endosulfan sulfate	1,000,000**	84**	--	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
4,4-DDD	17,000**	3**	--	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND
4,4-DDE	17,000**	3**	--	NA	NA	NA	NA	NA	ND<0.64	2.6	ND<0.65	ND<0.70	ND<0.70	ND<0.74	NA	NA	NA	**14.7**
4,4-DDT	17,000**	3**	--	NA	NA	NA	NA	NA	ND<0.64	**3.6**	ND<0.65	ND<0.70	ND<0.70	2.5	NA	NA	NA	**19.2**
Total DDD, DDE and DDT	17,000**	3**	--	NA	NA	NA	NA	NA	ND<0.64	**6.2**	ND<0.65	ND<0.70	ND<0.70	2.5	NA	NA	NA	**33.9**
SPLP Pesticides (ug/L) via EPA Method 8081B																		
gamma-BHC (Lindane)	--	--	0.2	NA	NA	NA	NA	NA	ND<0.01	0.15	NA	NA	ND<0.010	NA	NA	NA	NA	NA
Dieldrin	--	--	0.002	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
4,4-DDD	--	--	0.10**	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
4,4-DDE	--	--	0.10**	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
4,4-DDT	--	--	0.10**	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
Total DDD, DDE and DDT	--	--	0.10**	NA	NA	NA	NA	NA	ND	ND	NA	NA	ND	NA	NA	NA	NA	NA
Herbicides (ug/kg) via EPA Method 8151																		
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	NA

Notes and Abbreviations:
Criterion is higher that the default criterion
Criterion is lower than the default criterion
Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.
Analytes not listed were not detected above minimum laboratory reporting limits
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3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.
* = Criteria apply to hexavalent/trivalent chromium
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mg/L = milligrams per liter
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Supp Inv = Supplemental Investigation

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA															
Sample ID	I/C DEC	GA PMC	GWPC	B1/MW1 0.3-1ft	B1/MW1 3-5ft	B1/MW1 5-6.5ft	B1/MW1 14-15ft	B2/MW2 1-3ft	B2/MW2 3-5ft	B2/MW2 18.5-20ft	B3/MW3 2-4ft	B3/MW3 10-12ft	B4/MW4 0-2ft	B4/MW4 2-4ft	B4/MW4 12-14ft	B5/MW5 0-2ft	B5/MW5 14-16ft	B6 3-5ft	B6 12-14ft
Sample Date				09/11/2023	09/11/2023	09/12/2023	09/12/2023	09/11/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/11/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023
Sample Depth				0.3-1 FEET	3-5 FEET	5-6.5 FEET	14-15 FEET	1-3 FEET	3-5 FEET	18.5-20 FEET	2-4 FEET	10-12 FEET	0-2 FEET	2-4 FEET	12-14 FEET	0-2 FEET	14-16 FEET	3-5 FEET	12-14 FEET
Comments																			
ETPH (mg/kg) via CT Method	2,500	500	--	ND<72	NA	NA	ND<60	NA	ND<52	ND<60	ND<54	ND<51	NA	ND<51	ND<50	ND<53	ND<56	ND<50	ND<52
SPLP ETPH (mg/L) via CT Method	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																			
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																			
Acetone	1,000,000	14,000	--	NA	ND	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Naphthalene	2,500,000	5,600	--	NA	ND<7.0	NA	ND<7.8	NA	ND<6.4	ND<7.5	ND<5.8	ND<8.1	NA	ND<6.2	ND<7.1	ND<6.4	ND<7.2	ND<8.0	ND<6.3
m, p-Xylene	1,000,000	19,500	--	NA	ND	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	1,000,000	8,000	--	NA	ND	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,4-Dioxane (ug/kg) via EPA Method 8260																			
Not Detected	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270				SVOCs			SVOCs		SVOCs	SVOCs	SVOCs	SVOCs		SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs
2-Methyl Naphthalene	1,000,000**	560**	--	ND	NA	NA	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Acenaphthene	2,500,000***	8,400**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Acenaphthylene	2,500,000***	8,400	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Anthracene	2,500,000***	40,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Benzo(a)anthracene	57,000***	1,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	190	ND<110	ND<100	ND<110
Benzo(b)fluoranthene	57,000***	1,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	260	ND<110	ND<100	ND<110
Benzo(k)fluoranthene	57,000***	1,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Benzo(g,h,i)perylene	78,000**	1,000**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	200	ND<110	ND<100	ND<110
Benzo(a)pyrene	5,700***	1,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	230	ND<110	ND<100	ND<110
Carbazole	290,000**	200**	--	ND<290	NA	NA	ND<240	NA	ND<210	ND<240	ND<210	ND<200	NA	ND<200	ND<200	ND<210	ND<220	ND<200	ND<210
Chrysene	780,000**	1,000**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	220	ND<110	ND<100	ND<110
Dibenzo(a,h)anthracene	5,700***	1,000**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Dibenzofuran	1,000,000**	200**	--	ND<290	NA	NA	ND<240	NA	ND<210	ND<240	ND<210	ND<200	NA	ND<200	ND<200	ND<210	ND<220	ND<200	ND<210
Fluoranthene	2,500,000***	5,600	--	150	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	380	ND<110	ND<100	ND<110
Fluorene	2,500,000***	5,600	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Indeno(1,2,3-cd)pyrene	7,800**	1,000**	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	140	ND<110	ND<100	ND<110
Isophorone	2,500,000**	740**	--	ND<290	NA	NA	ND<240	NA	ND<210	ND<240	ND<210	ND<200	NA	ND<200	ND<200	ND<210	ND<220	ND<200	ND<210
Naphthalene	2,500,000***	5,600	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	ND<110	ND<110	ND<100	ND<110
Phenanthrene	2,500,000***	4,000	--	ND<140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	ND<100	ND<100	140	ND<110	ND<100	ND<110
Pyrene	2,500,000***	4,000	--	140	NA	NA	ND<120	NA	ND<100	ND<120	ND<110	ND<100	NA	100	ND<100	470	ND<110	ND<100	ND<110
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																			
Acenaphthene	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																			
Arsenic	10	--	--	3.0	NA	NA	2.2	NA	ND<1.0	3.6	1.1	ND<0.98	NA	1.8	ND<0.94	2.0	ND<1.1	ND<0.94	ND<1.0
Barium	140,000	--	--	31	NA	NA	17	NA	6.6	47	12	13	NA	17	9.0	26	45	11	13
Cadmium	1,000	--	--	ND<0.69	NA	NA	ND<0.59	NA	ND<0.50	ND<0.60	ND<0.51	ND<0.49	NA	ND<0.49	ND<0.47	ND<0.53	ND<0.55	ND<0.47	ND<0.52
Chromium	100/51,000*	--	--	15	NA	NA	4.9	NA	3.4	13	6.0	4.6	NA	7.9	4.7	9.6	11	4.1	5.7
Copper	76,000	--	--	15	NA	NA	7.0	NA	3.0	17	4.6	5.2	NA	4.9	4.3	21	8.5	3.9	5.6
Lead	1,000	--	--	15	NA	NA	ND<2.4	NA	ND<2.0	7.9	8.3	2.2	NA	9.1	ND<1.9	23	3.0	2.5	2.1
Mercury (via EPA Method 7471)	610	--	--	ND<0.18	NA	NA	ND<0.15	NA	ND<0.13	ND<0.14	ND<0.13	ND<0.12	NA	ND<0.13	ND<0.13	ND<0.13	ND<0.13	ND<0.12	ND<0.12
Nickel	7,500	--	--	7.7	NA	NA	5.4	NA	3.0	11	4.3	3.9	NA	4.7	3.5	6.0	9.2	3.5	4.1
Selenium	10,000	--	--	ND<3.4	NA	NA	ND<2.9	NA	ND<2.5	ND<3.0	ND<2.6	ND<2.5	NA	ND<2.5	ND<2.4	ND<2.6	ND<2.8	ND<2.4	ND<2.6
Silver	10,000	--	--	ND<2.8	NA	NA	ND<2.4	NA	ND<2.0	ND<2.4	ND<2.1	ND<2.0	NA	ND<2.0	ND<1.9	ND<2.1	ND<2.2	ND<1.9	ND<2.1
Zinc	610,000	--	--	53	NA	NA	18	NA	8.3	41	15	11	NA	18	9.0	36	25	10	12
SPLP Metals (mg/L) via EPA Method 6020																			
Arsenic	--	0.05	--	ND<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0090	NA	NA	NA
Barium	--	1	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Cadmium	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	0.05	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Copper	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	0.015	--	ND<0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.013	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	0.1	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Selenium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2B
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1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA														
Sample ID	I/C DEC	GA PMC	GWPC	B1/MW1 0.3-1ft	B1/MW1 3-5ft	B1/MW1 5-6.5ft	B1/MW1 14-15ft	B2/MW2 1-3ft	B2/MW2 3-5ft	B2/MW2 18.5-20ft	B3/MW3 2-4ft	B3/MW3 10-12ft	B4/MW4 0-2ft	B4/MW4 2-4ft	B4/MW4 12-14ft	B5/MW5 0-2ft	B5/MW5 14-16ft	B6 3-5ft	B6 12-14ft
Sample Date				09/11/2023	09/11/2023	09/12/2023	09/12/2023	09/11/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/11/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/11/2023	09/12/2023
Sample Depth				0.3-1 FEET	3-5 FEET	5-6.5 FEET	14-15 FEET	1-3 FEET	3-5 FEET	18.5-20 FEET	2-4 FEET	10-12 FEET	0-2 FEET	2-4 FEET	12-14 FEET	0-2 FEET	14-16 FEET	3-5 FEET	12-14 FEET
PFAS (ug/kg) via EPA Method 1633																			
Perfluorodecanesulfonic acid (PFDS)	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																			
None Detected	--	--	--	ND<1.0	NA	NA	ND<1.0	NA	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Glycol Analysis (mg/kg) via EPA Method 8015B																			
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																			
Heptachlor Epoxide	630	20	--	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	NA	NA
Chlordane	2,200	66	--	NA	NA	ND<16	NA	ND<17	NA	NA	ND<16	NA	**91**	NA	NA	**69**	NA	NA	NA
Dieldrin	360	7	--	NA	NA	ND<0.52	NA	ND<0.55	NA	NA	ND<0.54	NA	ND<0.60	NA	NA	ND<0.52	NA	NA	NA
Endosulfan sulfate	1,000,000**	84**	--	NA	NA	ND	NA	ND	NA	NA	ND	NA	ND	NA	NA	ND	NA	NA	NA
4,4-DDD	17,000**	3**	--	NA	NA	ND<0.52	NA	ND<0.55	NA	NA	ND<0.54	NA	ND<0.60	NA	NA	ND<0.52	NA	NA	NA
4,4-DDE	17,000**	3**	--	NA	NA	0.94	NA	**4.1**	NA	NA	**4.0**	NA	**24**	NA	NA	**18**	NA	NA	NA
4,4-DDT	17,000**	3**	--	NA	NA	0.70	NA	**5.5**	NA	NA	**5.6**	NA	**15**	NA	NA	**8.2**	NA	NA	NA
Total DDD, DDE and DDT	17,000**	3**	--	NA	NA	2	NA	**10**	NA	NA	**10**	NA	**39**	NA	NA	**26**	NA	NA	NA
SPLP Pesticides (ug/L) via EPA Method 8081B																			
gamma-BHC (Lindane)	--	--	0.2	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA
Dieldrin	--	--	0.002	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	NA	NA	NA
4,4-DDD	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	NA	NA	NA
4,4-DDE	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	NA	NA	NA
4,4-DDT	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	ND<0.0020	NA	NA	NA	NA	NA	NA
Total DDD, DDE and DDT	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA
Herbicides (ug/kg) via EPA Method 8151																			
None Detected	--	--	--	NA	NA	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

Criterion is higher that the default criterion

Criterion is lower than the default criterion

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Supp Inv = Supplemental Investigation

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA																		
Sample ID	I/C DEC	GA PMC	GWPC	B7 1-3ft	B7 10-12ft	B8 1-3ft	B8 6-8ft	B9 0.4-2ft	B10 0.3-1ft	B10 1-3ft	B11 0.5-2ft	B11 2-4ft	B12 0.5-2ft	B13 0.5-2ft	B14 0.5-2ft	B14 12-14ft	B15 0-0.5ft	B16 0-0.5ft	B17 0-0.5ft	B17 2-4ft	B18 0-1.5ft	B19 0-2ft
Sample Date				09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023
Sample Depth				1-3 FEET	10-12 FEET	1-3 FEET	6-8 FEET	0.4-2 FEET	0.3-1 FEET	1-3 FEET	0.5-2 FEET	2-4 FEET	0.5-2 FEET	0.5-2 FEET	0.5-2 FEET	12-14 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	2-4 FEET	0-1.5 FEET	0-2 FEET
Comments																			SEE L1985-15			
ETPH (mg/kg) via CT Method	2,500	500	--	ND<50	ND<51	ND<57	ND<50	ND<51	700	ND<54	NA	ND<54	93	ND<55	ND<57	ND<60	ND<64	ND<58	ND<67	NA	ND<61	NA
SPLP ETPH (mg/L) via CT Method	--	--	0.25	NA	NA	NA	NA	NA	ND<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																						
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.063	ND<0.060	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																						
Acetone	1,000,000	14,000	--	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND
Naphthalene	2,500,000	5,600	--	ND<6.5	ND<6.4	ND<7.4	ND<7.2	ND<6.4	ND<7.9	NA	NA	ND<8.6	ND<6.6	ND<6.6	ND<6.2	ND<7.9	NA	NA	ND<13	NA	ND<12	ND<7.3
m, p-Xylene	1,000,000	19,500	--	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND
2-Butanone (MEK)	1,000,000	8,000	--	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	ND
1,4-Dioxane (ug/kg) via EPA Method 8260																						
Not Detected	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270				SVOCs	SVOCs	SVOCs	SVOCs	PAHs	PAHs			PAHs	PAHs	PAHs	PAHs	PAHs			PAHs		PAHs	
2-Methyl Naphthalene	1,000,000**	560**	--	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA
Acenaphthene	2,500,000***	8,400**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Acenaphthylene	2,500,000***	8,400	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Anthracene	2,500,000***	40,000	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Benzo(a)anthracene	57,000***	1,000	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	200	180	ND<110	ND<120	NA	NA	170	NA	150	NA
Benzo(b)fluoranthene	57,000***	1,000	--	ND<100	ND<100	ND<110	ND<100	120	ND<110	NA	NA	ND<110	240	220	ND<110	ND<120	NA	NA	520	NA	300	NA
Benzo(k)fluoranthene	57,000***	1,000	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	160	NA	ND<120	NA
Benzo(g,h,i)perylene	78,000**	1,000**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	180	170	ND<110	ND<120	NA	NA	350	NA	170	NA
Benzo(a)pyrene	5,700***	1,000	--	ND<100	ND<100	ND<110	ND<100	100	ND<110	NA	NA	ND<110	230	200	ND<110	ND<120	NA	NA	240	NA	180	NA
Carbazole	290,000**	200**	--	ND<200	ND<200	ND<230	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	780,000**	1,000**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	190	170	ND<110	ND<120	NA	NA	390	NA	250	NA
Dibenzo(a,h)anthracene	5,700***	1,000**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Dibenzofuran	1,000,000**	200**	--	ND<200	ND<200	ND<230	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	2,500,000***	5,600	--	ND<100	ND<100	ND<110	ND<100	140	ND<110	NA	NA	ND<110	330	290	ND<110	ND<120	NA	NA	490	NA	350	NA
Fluorene	2,500,000***	5,600	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Indeno(1,2,3-cd)pyrene	7,800**	1,000**	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	130	110	ND<110	ND<120	NA	NA	220	NA	130	NA
Isophorone	2,500,000**	740**	--	ND<200	ND<200	ND<230	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	2,500,000***	5,600	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	ND<130	NA	ND<120	NA
Phenanthrene	2,500,000***	4,000	--	ND<100	ND<100	ND<110	ND<100	ND<100	ND<110	NA	NA	ND<110	ND<110	ND<110	ND<110	ND<120	NA	NA	180	NA	180	NA
Pyrene	2,500,000***	4,000	--	ND<100	ND<100	ND<110	ND<100	190	ND<110	NA	NA	ND<110	470	420	ND<110	ND<120	NA	NA	440	NA	350	NA
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																						
Acenaphthene	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																						
Arsenic	10	--	--	ND<0.97	ND<0.99	ND<1.1	ND<0.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2	NA	3.8	ND<1.1
Barium	140,000	--	--	10	12	14	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	NA	25	15
Cadmium	1,000	--	--	ND<0.48	ND<0.49	ND<0.53	ND<0.48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.65	NA	ND<0.62	ND<0.53
Chromium	100/51,000*	--	--	3.6	4.7	5.3	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	NA	15	5.7
Copper	76,000	--	--	4.3	5.2	5.2	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	140	NA	130	8.0
Lead	1,000	--	--	4.4	2.7	4.7	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	NA	35	3.5
Mercury (via EPA Method 7471)	610	--	--	ND<0.12	ND<0.12	ND<0.13	ND<0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.17	NA	ND<0.15	ND<0.13
Nickel	7,500	--	--	3.3	5.0	4.4	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	9.8	5.2
Selenium	10,000	--	--	ND<2.4	ND<2.5	ND<2.7	ND<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<3.2	NA	ND<3.1	ND<2.6
Silver	10,000	--	--	ND<1.9	ND<2.0	ND<2.1	ND<1.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<2.6	NA	ND<2.5	ND<2.1
Zinc	610,000	--	--	12	14	16	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	NA	160	16
SPLP Metals (mg/L) via EPA Method 6020																						
Arsenic	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0090	NA	NA	NA
Barium	--	1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Copper	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.040	NA	NA	NA
Lead	--	0.015	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.013	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	0.1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA
Selenium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.044	NA	NA	NA

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA																	
Sample ID	I/C DEC	GA PMC	GWPC	B7 1-3ft	B7 10-12ft	B8 1-3ft	B8 6-8ft	B9 0.4-2ft	B10 0.3-1ft	B10 1-3ft	B11 0.5-2ft	B11 2-4ft	B12 0.5-2ft	B13 0.5-2ft	B14 0.5-2ft	B14 12-14ft	B15 0-0.5ft	B16 0-0.5ft	B17 0-0.5ft	B17 2-4ft	B18 0-1.5ft	B19 0-2ft
Sample Date				09/11/2023	09/12/2023	09/11/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/12/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/13/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023
Sample Depth				1-3 FEET	10-12 FEET	1-3 FEET	6-8 FEET	0.4-2 FEET	0.3-1 FEET	1-3 FEET	0.5-2 FEET	2-4 FEET	0.5-2 FEET	0.5-2 FEET	0.5-2 FEET	12-14 FEET	0-0.5 FEET	0-0.5 FEET	0-0.5 FEET	2-4 FEET	0-1.5 FEET	0-2 FEET
PFAS (ug/kg) via EPA Method 1633																						
Perfluorodecanesulfonic acid (PFDS)	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																						
None Detected	--	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																						
None Detected	--	--	--	NA	NA	NA	NA	ND<5.2	ND<5.4	NA	NA	ND<5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																						
Heptachlor Epoxide	630	20	--	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
Chlordane	2,200	66	--	ND<15	NA	NA	NA	**70**	NA	NA	**76**	NA	ND<17	NA	NA	NA	NA	NA	NA	ND<18	**110**	**92**
Dieldrin	360	7	--	ND<0.50	NA	NA	NA	ND<0.51	NA	NA	ND<0.53	NA	ND<0.55	NA	NA	NA	NA	NA	NA	ND<0.59	3.3	ND<0.52
Endosulfan sulfate	1,000,000**	84**	--	ND	NA	NA	NA	ND	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
4,4-DDD	17,000**	3**	--	ND<0.50	NA	NA	NA	ND<0.51	NA	NA	ND<0.53	NA	ND<0.55	NA	NA	NA	NA	NA	NA	ND<0.59	**6.0**	ND<0.52
4,4-DDE	17,000**	3**	--	1.1	NA	NA	NA	**18**	NA	NA	**9.1**	NA	2.5	NA	NA	NA	NA	NA	NA	1.3	**49**	**19**
4,4-DDT	17,000**	3**	--	1.3	NA	NA	NA	**19**	NA	NA	**14**	NA	2.4	NA	NA	NA	NA	NA	NA	2.5	**34**	**24**
Total DDD, DDE and DDT	17,000**	3**	--	2	NA	NA	NA	**37**	NA	NA	**23**	NA	**4.9**	NA	NA	NA	NA	NA	NA	**4**	**89**	**43**
SPLP Pesticides (ug/L) via EPA Method 8081B																						
gamma-BHC (Lindane)	--	--	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND
Dieldrin	--	--	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010
4,4-DDD	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010
4,4-DDE	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010
4,4-DDT	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	NA	ND<0.0020
Total DDD, DDE and DDT	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND
Herbicides (ug/kg) via EPA Method 8151																						
None Detected	--	--	--	ND	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA

Notes and Abbreviations:

Criterion is higher that the default criterion

Criterion is lower than the default criterion

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is required for use of these criteria.

*** = Criterion is from CTDEEP document titled "Additional and Alternative Criteria" for certain SVOCs, undated; CTDEEP approval is required for use of these criteria.

RSR = Connecticut Remediation Standard Regulations
RDEC = Residential Direct Exposure Criteria
GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA
GWPC = Groundwater Protection Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
NA = Not Analyzed
ND = Not detected above the laboratory reporting limit
NE= Not Established
ETPH = Extractable total petroleum hydrocarbons
PAHs = Polynuclear aromatic hydrocarbons
PCBs = Polychlorinated biphenyls
PFAS = Per- and Polyfluoroalkyl Substances
SPLP = Synthetic precipitation leaching procedure
SVOCs = Semi-volatile organic compounds
VOCs = Volatile organic compounds
mg/kg = milligrams per kilogram (dry weight)
mg/L = milligrams per liter
ug/kg = micrograms per kilogram (dry weight)
ug/L = micrograms per liter
ESA = Environmental Site Assessment
Supp Inv = Supplemental Investigation

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA	Supp Inv	Phase II/III ESA							Supp Inv		Phase II/III ESA							
Sample ID	I/C DEC	GA PMC	GWPC	B20 0-2ft	B20A 2-4ft	B20 6.5-8ft	B21 0-2ft	B21 2-4ft	B22 0-2ft	B23/MW7 0-2ft	B23/MW7 2-4ft	B24/MW6 0-2ft	B24A 2-4ft	B24A 4-6ft	B24/MW6 8-10ft	B24/MW6 12-14ft	B25 2-4ft	B25 8-9ft	B25 12-14ft	B26 5-7.5ft	B26 8-10ft	B26 15-17ft
Sample Date				09/11/2023	5/20/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	5/20/2024	5/20/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023
Sample Depth				0-2 FEET	2-4 FEET	6.5-8 FEET	0-2 FEET	2-4 FEET	0-2 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	4-6 FEET	8-10 FEET	12-14 FEET	2-4 FEET	8-9 FEET	12-14 FEET	5-7.5 FEET	8-10 FEET	15-17 FEET
Comments																						
ETPH (mg/kg) via CT Method	2,500	500	--	ND<58	NA	NA	ND<59	NA	ND<57	ND<56	NA	ND<59	NA	NA	ND<51	ND<54	ND<50	ND<52	ND<54	700	ND<50	ND<57
SPLP ETPH (mg/L) via CT Method	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.10	NA	NA
PCBs (mg/kg) via EPA Method 8082A																						
None Detected	--	--	--	NA	NA	NA	ND<0.059	NA	ND<0.057	ND<0.056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																						
Acetone	1,000,000	14,000	--	ND	NA	NA	ND	NA	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2,500,000	5,600	--	ND<8.0	NA	NA	ND<8.5	NA	ND<8.6	ND<7.8	NA	ND<7.7	NA	NA	ND<8.5	ND<8.1	ND<7.2	ND<7.9	ND<7.4	ND<6.1	ND<7.6	ND<7.4
m, p-Xylene	1,000,000	19,500	--	ND	NA	NA	ND	NA	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	1,000,000	8,000	--	ND	NA	NA	ND	NA	ND	ND	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane (ug/kg) via EPA Method 8260																						
Not Detected	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270				SVOCs			SVOCs (Note 2)	PAHs	SVOCs	SVOCs		PAHs	PAHs		PAHs	PAHs	PAHs	PAHs	PAHs	SVOCs	SVOCs	SVOCs
2-Methyl Naphthalene	1,000,000**	560**	--	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND<220	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	2,500,000***	8,400**	--	ND<120	NA	NA	ND<120	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Acenaphthylene	2,500,000***	8,400	--	ND<120	NA	NA	430	ND<100	ND<110	220	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Anthracene	2,500,000***	40,000	--	ND<120	NA	NA	520	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(a)anthracene	57,000***	1,000	--	250	NA	NA	1,400	ND<100	ND<110	380	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(b)fluoranthene	57,000***	1,000	--	320	NA	NA	1,500	ND<100	ND<110	610	NA	120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(k)fluoranthene	57,000***	1,000	--	130	NA	NA	540	ND<100	ND<110	280	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(g,h,i)perylene	78,000**	1,000**	--	230	NA	NA	800	ND<100	ND<110	480	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Benzo(a)pyrene	5,700***	1,000	--	290	NA	NA	1,200	ND<100	ND<110	490	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Carbazole	290,000**	200**	--	ND<230	NA	NA	ND<240	NA	ND<230	ND<230	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<220	ND<210	ND<230
Chrysene	780,000**	1,000**	--	270	NA	NA	1,800	ND<100	ND<110	500	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Dibenzo(a,h)anthracene	5,700***	1,000**	--	ND<120	NA	NA	200	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Dibenzofuran	1,000,000**	200**	--	ND<230	NA	NA	ND<240	NA	ND<230	ND<230	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<220	ND<210	ND<230
Fluoranthene	2,500,000***	5,600	--	590	NA	NA	3,200	ND<100	ND<110	770	NA	170	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Fluorene	2,500,000***	5,600	--	ND<120	NA	NA	390	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Indeno(1,2,3-cd)pyrene	7,800**	1,000**	--	170	NA	NA	620	ND<100	ND<110	320	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Isophorone	2,500,000**	740**	--	ND<230	NA	NA	ND<240	NA	ND<230	ND<230	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<220	260	ND<230
Naphthalene	2,500,000***	5,600	--	ND<120	NA	NA	ND<120	ND<100	ND<110	ND<110	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Phenanthrene	2,500,000***	4,000	--	200	NA	NA	2,800	ND<100	ND<110	270	NA	ND<120	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
Pyrene	2,500,000***	4,000	--	620	NA	NA	3,500	ND<100	ND<110	790	NA	150	ND<110	NA	ND<100	ND<110	ND<100	ND<110	ND<110	ND<110	ND<100	ND<110
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270							PAHs															
Acenaphthene	--	--	420**	NA	NA	NA	ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	280	NA	NA	NA	ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	200	NA	NA	NA	ND<0.077	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																						
Arsenic	10	--	--	2.7	NA	NA	4.4	NA	2.3	2.0	NA	3.6	NA	NA	NA	NA	ND<1.0	NA	NA	4.2	ND<0.98	ND<1.1
Barium	140,000	--	--	22	NA	NA	24	NA	26	23	NA	26	NA	NA	NA	NA	9.3	NA	NA	76	12	15
Cadmium	1,000	--	--	ND<0.55	NA	NA	ND<0.55	NA	ND<0.56	ND<0.55	NA	ND<0.57	NA	NA	NA	NA	ND<0.50	NA	NA	ND<0.54	ND<0.49	ND<0.56
Chromium	100/51,000*	--	--	10	NA	NA	11	NA	11	10	NA	10	NA	NA	NA	NA	3.3	NA	NA	15	4.8	10
Copper	76,000	--	--	8.4	NA	NA	7.6	NA	7.3	8.6	NA	19	NA	NA	NA	NA	3.1	NA	NA	20	3.9	5.0
Lead	1,000	--	--	17	NA	NA	26	NA	9.5	12	NA	13	NA	NA	NA	NA	ND<2.0	NA	NA	12	ND<2.0	ND<2.2
Mercury (via EPA Method 7471)	610	--	--	ND<0.13	NA	NA	ND<0.15	NA	ND<0.14	0.24	NA	ND<0.15	NA	NA	NA	NA	ND<0.13	NA	NA	ND<0.13	ND<0.12	ND<0.14
Nickel	7,500	--	--	6.8	NA	NA	7.1	NA	7.5	7.6	NA	8.2	NA	NA	NA	NA	3.3	NA	NA	20	3.6	3.6
Selenium	10,000	--	--	ND<2.7	NA	NA	ND<2.8	NA	ND<2.8	ND<2.7	NA	ND<2.9	NA	NA	NA	NA	ND<2.5	NA	NA	ND<2.7	ND<2.5	ND<2.8
Silver	10,000	--	--	ND<2.2	NA	NA	ND<2.2	NA	ND<2.2	ND<2.2	NA	ND<2.3	NA	NA	NA	NA	ND<2.0	NA	NA	ND<2.2	ND<2.0	ND<2.2
Zinc	610,000	--	--	40	NA	NA	32	NA	29	29	NA	48	NA	NA	NA	NA	8.0	NA	NA	43	10	13
SPLP Metals (mg/L) via EPA Method 6020																						
Arsenic	--	0.05	--	ND<0.0090	NA	NA	NA	NA	NA	ND<0.0090	NA	ND<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	--	1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	0.05	--	ND<0.050	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	0.015	--	ND<0.013	NA	NA	NA	NA	NA	**0.028**	ND<0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	0.002	--	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	0.1	--	ND<0.050	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	5	--	0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA	Supp Inv	Phase II/III ESA							Supp Inv		Phase II/III ESA							
Sample ID	I/C DEC	GA PMC	GWPC	B20 0-2ft	B20A 2-4ft	B20 6.5-8ft	B21 0-2ft	B21 2-4ft	B22 0-2ft	B23/MW7 0-2ft	B23/MW7 2-4ft	B24/MW6 0-2ft	B24A 2-4ft	B24A 4-6ft	B24/MW6 8-10ft	B24/MW6 12-14ft	B25 2-4ft	B25 8-9ft	B25 12-14ft	B26 5-7.5ft	B26 8-10ft	B26 15-17ft
Sample Date				09/11/2023	5/20/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	5/20/2024	5/20/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023
Sample Depth				0-2 FEET	2-4 FEET	6.5-8 FEET	0-2 FEET	2-4 FEET	0-2 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	4-6 FEET	8-10 FEET	12-14 FEET	2-4 FEET	8-9 FEET	12-14 FEET	5-7.5 FEET	8-10 FEET	15-17 FEET
PFAS (ug/kg) via EPA Method 1633																						
Perfluorodecanesulfonic acid (PFDS)	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																						
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																						
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																						
Heptachlor Epoxide	630	20	--	ND	ND<2.6	ND	ND	NA	ND	ND	NA	ND	ND<2.8	ND<2.6	ND	NA	ND	NA	NA	ND	ND	ND
Chlordane	2,200	66	--	**550**	ND<16	ND<17	ND<18	NA	64	**72**	NA	**700**	**120**	ND<16	ND<16	NA	ND<15	NA	NA	ND<17	ND<15	ND<17
Dieldrin	360	7	--	ND<0.57	ND<0.52	ND<0.57	ND<0.59	NA	2.3	**15**	NA	ND<0.59	ND<0.56	ND<0.52	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
Endosulfan sulfate	1,000,000**	84**	--	ND	ND<2.6	ND	ND	NA	ND	ND	NA	ND	ND<2.8	ND<2.6	ND	NA	ND	NA	NA	ND	ND	ND
4,4-DDD	17,000**	3**	--	ND<0.57	ND<0.52	ND<0.57	ND<0.59	NA	ND<0.56	2.7	NA	ND<0.59	ND<0.56	ND<0.52	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
4,4-DDE	17,000**	3**	--	**140**	1.2	ND<0.57	**33**	NA	**5.6**	**9.2**	NA	**200**	**24**	2.1	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
4,4-DDT	17,000**	3**	--	**150**	1.3	ND<0.57	**30**	NA	**7.6**	**19**	NA	**190**	**19**	2.6	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
Total DDD, DDE and DDT	17,000**	3**	--	**290**	3	ND<0.57	**63**	NA	**13**	**31**	NA	**390**	**43**	**5**	ND<0.52	NA	ND<0.50	NA	NA	ND<0.55	ND<0.51	ND<0.57
SPLP Pesticides (ug/L) via EPA Method 8081B																						
gamma-BHC (Lindane)	--	--	0.2	ND	NA	NA	ND	NA	NA	ND	ND	ND	ND<0.0050	ND<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	--	--	0.002	ND<0.0010	NA	NA	ND<0.0010	NA	NA	**0.0030**	ND<0.0010	ND<0.0010	ND<0.0020	ND<0.0020	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDD	--	--	0.10**	ND<0.0010	NA	NA	ND<0.0010	NA	NA	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	--	--	0.10**	ND<0.0010	NA	NA	ND<0.0010	NA	NA	ND<0.0010	ND<0.0010	0.0030	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	--	--	0.10**	ND<0.0020	NA	NA	ND<0.0020	NA	NA	ND<0.0010	ND<0.0020	ND<0.0020	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA
Total DDD, DDE and DDT	--	--	0.10**	ND	NA	NA	ND	NA	NA	ND	ND	0.0030	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides (ug/kg) via EPA Method 8151																						
None Detected	--	--	--	ND	NA	NA	ND	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

Criterion is higher that the default criterion

Criterion is lower than the default criterion

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is required for use of these criteria.

*** = Criterion is from CTDEEP document titled "Additional and Alternative Criteria" for certain SVOCs, undated; CTDEEP approval is required for use of these criteria.

RSR = Connecticut Remediation Standard Regulations
RDEC = Residential Direct Exposure Criteria
GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA
GWPC = Groundwater Protection Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
NA = Not Analyzed
ND = Not detected above the laboratory reporting limit
NE= Not Established
ETPH = Extractable total petroleum hydrocarbons
PAHs = Polynuclear aromatic hydrocarbons
PCBs = Polychlorinated biphenyls
PFAS = Per- and Polyfluoroalkyl Substances
SPLP = Synthetic precipitation leaching procedure
SVOCs = Semi-volatile organic compounds
VOCs = Volatile organic compounds
mg/kg = milligrams per kilogram (dry weight)
mg/L = milligrams per liter
ug/kg = micrograms per kilogram (dry weight)
ug/L = micrograms per liter
ESA = Environmental Site Assessment
Supp Inv = Supplemental Investigation

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA	Supp Inv		Phase II/III ESA	Supp Inv	Phase II/III ESA												
Sample ID	I/C DEC	GA PMC	GWPC	B27 2-4ft	B27A 2-4ft	B27A 4-6ft	B27 6-7.5ft	B27A 6-7.5ft	B27 8-10ft	B27 16-18ft	B28 6-8ft	B28 16-18ft	B29 6-8.5ft	B29 9-11ft	B30 2-4ft	B30 12-14ft	B31 0-2ft	B32 2-4ft	B32 12-13ft	B33 0-0.5ft	B34 0-0.5ft
Sample Date				09/14/2023	5/21/2024	5/21/2024	09/14/2023	5/21/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/11/2023	09/12/2023	09/12/2023	09/11/2023
Sample Depth				2-4 FEET	2-4 FEET	4-6 FEET	6-7.5 FEET	6-7.5 FEET	8-10 FEET	16-18 FEET	6-8 FEET	16-18 FEET	6-8.5 FEET	9-11 FEET	2-4 FEET	12-14 FEET	0-2 FEET	2-4 FEET	12-13 FEET	0-0.5 FEET	0-0.5 FEET
Comments																					
ETPH (mg/kg) via CT Method	2,500	500	--	ND<55	NA	NA	NA	NA	ND<51	ND<56	ND<55	ND<55	ND<53	ND<53	ND<53	ND<60	ND<56	ND<53	ND<61	ND<60	ND<60
SPLP ETPH (mg/L) via CT Method	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																					
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.060	ND<0.061
VOCs (ug/kg) via EPA Method 8260																					
Acetone	1,000,000	14,000	--	ND	ND<100	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Naphthalene	2,500,000	5,600	--	11	ND<6.9	NA	NA	NA	ND<7.2	ND<7.5	ND<6.4	ND<7.5	ND<8.2	ND<7.3	ND<6.8	ND<7.8	ND<7.7	ND<7.5	ND<8.6	NA	NA
m, p-Xylene	1,000,000	19,500	--	ND	ND<6.9	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
2-Butanone (MEK)	1,000,000	8,000	--	ND	17	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
1,4-Dioxane (ug/kg) via EPA Method 8260																					
Not Detected	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270				SVOCs (Note 2)	SVOCs	SVOCs	SVOCs		SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs		
2-Methyl Naphthalene	1,000,000**	560**	--	ND	ND<240	ND<220	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Acenaphthene	2,500,000***	8,400**	--	960	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Acenaphthylene	2,500,000***	8,400	--	120	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Anthracene	2,500,000***	40,000	--	1,900	ND<120	ND<110	ND<110	NA	ND<100	ND<110	210	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Benzo(a)anthracene	57,000***	1,000	--	4,200	170	ND<110	ND<110	NA	ND<100	ND<110	540	ND<110	250	ND<110	ND<110	ND<120	ND<110	210	ND<120	NA	NA
Benzo(b)fluoranthene	57,000***	1,000	--	4,400	240	ND<110	ND<110	NA	ND<100	ND<110	600	ND<110	310	ND<110	ND<110	ND<120	ND<110	280	ND<120	NA	NA
Benzo(k)fluoranthene	57,000***	1,000	--	1,800	ND<120	ND<110	ND<110	NA	ND<100	ND<110	320	ND<110	160	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Benzo(g,h,i)perylene	78,000**	1,000**	--	2,400	140	ND<110	ND<110	NA	ND<100	ND<110	340	ND<110	210	ND<110	ND<110	ND<120	ND<110	200	ND<120	NA	NA
Benzo(a)pyrene	5,700***	1,000	--	3,600	180	ND<110	ND<110	NA	ND<100	ND<110	490	ND<110	250	ND<110	ND<110	ND<120	ND<110	250	ND<120	NA	NA
Carbazole	290,000**	200**	--	1,100	ND<120	ND<110	ND<220	NA	ND<210	ND<230	ND<220	ND<220	ND<210	ND<210	ND<220	ND<240	ND<220	ND<220	ND<240	NA	NA
Chrysene	780,000**	1,000**	--	4,200	210	ND<110	ND<110	NA	ND<100	ND<110	600	ND<110	290	ND<110	ND<110	ND<120	ND<110	220	ND<120	NA	NA
Dibenzo(a,h)anthracene	5,700***	1,000**	--	590	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Dibenzofuran	1,000,000**	200**	--	550	ND<120	ND<110	ND<220	NA	ND<210	ND<230	ND<220	ND<220	ND<210	ND<210	ND<220	ND<240	ND<220	ND<220	ND<240	NA	NA
Fluoranthene	2,500,000***	5,600	--	10,000	400	ND<110	ND<110	NA	ND<100	ND<110	1,300	ND<110	510	ND<110	ND<110	ND<120	ND<110	380	ND<120	NA	NA
Fluorene	2,500,000***	5,600	--	850	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Indeno(1,2,3-cd)pyrene	7,800**	1,000**	--	1,900	120	ND<110	ND<110	NA	ND<100	ND<110	270	ND<110	160	ND<110	ND<110	ND<120	ND<110	150	ND<120	NA	NA
Isophorone	2,500,000**	740**	--	ND<220	ND<240	ND<220	ND<220	NA	ND<210	ND<230	ND<220	ND<220	ND<210	ND<210	ND<220	ND<240	ND<220	ND<220	ND<240	NA	NA
Naphthalene	2,500,000***	5,600	--	410	ND<120	ND<110	ND<110	NA	ND<100	ND<110	ND<110	ND<110	ND<110	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Phenanthrene	2,500,000***	4,000	--	8,100	200	ND<110	ND<110	NA	ND<100	ND<110	890	ND<110	280	ND<110	ND<110	ND<120	ND<110	ND<110	ND<120	NA	NA
Pyrene	2,500,000***	4,000	--	8,000	340	ND<110	ND<110	NA	ND<100	ND<110	1,100	ND<110	440	ND<110	ND<110	ND<120	ND<110	500	ND<120	NA	NA
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270				PAHs/ SVOCs																	
Acenaphthene	--	--	420**	1.8/ ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	280	1.3/ ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	200	2.7/ 0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																					
Arsenic	10	--	--	4.1	NA	NA	NA	NA	ND<0.99	ND<1.1	1.8	ND<1.1	**30**	1.1	ND<1.1	ND<1.2	1.7	2.6	ND<1.1	NA	NA
Barium	140,000	--	--	79	NA	NA	NA	NA	13	9.0	21	23	47	12	15	31	21	21	16	NA	NA
Cadmium	1,000	--	--	ND<0.55	NA	NA	NA	NA	ND<0.49	ND<0.56	ND<0.55	ND<0.54	0.57	ND<0.49	ND<0.53	ND<0.61	ND<0.56	ND<0.54	ND<0.57	NA	NA
Chromium	100/51,000*	--	--	18	NA	NA	NA	NA	3.5	4.0	6.9	5.1	11	4.1	6.1	5.5	8.9	10	8.8	NA	NA
Copper	76,000	--	--	24	NA	NA	NA	NA	3.6	4.3	8.4	4.9	16	6.7	6.3	5.7	7.6	9.0	6.4	NA	NA
Lead	1,000	--	--	13	NA	NA	NA	NA	ND<2.0	ND<2.2	24	ND<2.2	86	2.0	2.7	ND<2.4	11	13	3.4	NA	NA
Mercury (via EPA Method 7471)	610	--	--	ND<0.14	NA	NA	NA	NA	ND<0.13	ND<0.14	ND<0.14	ND<0.13	ND<0.13	ND<0.13	ND<0.14	ND<0.15	ND<0.14	ND<0.14	ND<0.15	NA	NA
Nickel	7,500	--	--	18	NA	NA	NA	NA	3.3	3.9	5.4	3.8	7.6	4.4	6.2	4.7	5.8	8.4	5.4	NA	NA
Selenium	10,000	--	--	ND<2.8	NA	NA	NA	NA	ND<2.5	ND<2.8	ND<2.8	ND<2.7	ND<2.6	ND<2.4	ND<2.7	ND<3.0	ND<2.8	ND<2.7	ND<2.9	NA	NA
Silver	10,000	--	--	ND<2.2	NA	NA	NA	NA	ND<2.0	ND<2.2	ND<2.2	ND<2.2	ND<2.1	ND<2.0	ND<2.1	ND<2.4	ND<2.3	ND<2.1	ND<2.3	NA	NA
Zinc	610,000	--	--	50	NA	NA	NA	NA	14	8.5	35	18	290	24	11	16	27	30	13	NA	NA
SPLP Metals (mg/L) via EPA Method 6020																					
Arsenic	--	0.05	--	ND<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	**0.065**	ND<0.0090	NA	NA	NA	NA	NA	NA	NA
Barium	--	1	--	0.053	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0050	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	0.05	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA
Copper	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	0.015	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.049**	ND<0.013	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	0.1	--	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.050	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16	NA	NA	NA	NA	NA	NA	NA	NA

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA	Supp Inv		Phase II/III ESA	Supp Inv	Phase II/III ESA												
Sample ID	I/C DEC	GA PMC	GWPC	B27 2-4ft	B27A 2-4ft	B27A 4-6ft	B27 6-7.5ft	B27A 6-7.5ft	B27 8-10ft	B27 16-18ft	B28 6-8ft	B28 16-18ft	B29 6-8.5ft	B29 9-11ft	B30 2-4ft	B30 12-14ft	B31 0-2ft	B32 2-4ft	B32 12-13ft	B33 0-0.5ft	B34 0-0.5ft
Sample Date				09/14/2023	5/21/2024	5/21/2024	09/14/2023	5/21/2024	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/14/2023	09/11/2023	09/12/2023	09/12/2023	09/11/2023
Sample Depth				2-4 FEET	2-4 FEET	4-6 FEET	6-7.5 FEET	6-7.5 FEET	8-10 FEET	16-18 FEET	6-8 FEET	16-18 FEET	6-8.5 FEET	9-11 FEET	2-4 FEET	12-14 FEET	0-2 FEET	2-4 FEET	12-13 FEET	0-0.5 FEET	0-0.5 FEET
PFAS (ug/kg) via EPA Method 1633																					
Perfluorodecanesulfonic acid (PFDS)	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																					
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<1.0	ND<1.0	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																					
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<5.4	ND<6.1	NA	NA
Pesticides (ug/kg) via EPA Method 8081																					
Heptachlor Epoxide	630	20	--	ND	NA	NA	NA	ND<2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA
Chlordane	2,200	66	--	ND<17	NA	NA	NA	ND<17	ND<15	ND<17	ND<17	ND<17	ND<16	ND<16	ND<16	ND<18	ND<17	NA	NA	**150**	NA
Dieldrin	360	7	--	ND<0.55	NA	NA	NA	ND<0.56	ND<0.51	ND<0.57	ND<0.55	ND<0.55	ND<0.53	ND<0.52	ND<0.54	ND<0.60	ND<0.57	NA	NA	ND<0.61	NA
Endosulfan sulfate	1,000,000**	84**	--	ND	NA	NA	NA	ND<2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA
4,4-DDD	17,000**	3**	--	**11**	NA	NA	NA	ND<0.56	ND<0.51	ND<0.57	**3.2**	ND<0.55	ND<0.53	ND<0.52	ND<0.54	ND<0.60	ND<0.57	NA	NA	ND<0.61	NA
4,4-DDE	17,000**	3**	--	**36**	NA	NA	NA	1.7	ND<0.51	ND<0.57	**28**	**14**	**21**	ND<0.52	ND<0.54	ND<0.60	**34**	NA	NA	**40**	NA
4,4-DDT	17,000**	3**	--	**14**	NA	NA	NA	ND<0.56	ND<0.51	ND<0.57	**8.6**	ND<0.55	**88**	ND<0.52	ND<0.54	ND<0.60	**15**	NA	NA	**49**	NA
Total DDD, DDE and DDT	17,000**	3**	--	**61**	NA	NA	NA	2	ND<0.51	ND<0.57	**40**	**14**	**109**	ND<0.52	ND<0.54	ND<0.60	**49**	NA	NA	**89**	NA
SPLP Pesticides (ug/L) via EPA Method 8081B																					
gamma-BHC (Lindane)	--	--	0.2	ND	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA
Dieldrin	--	--	0.002	ND<0.0010	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010	NA
4,4-DDD	--	--	0.10**	ND<0.0010	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	ND<0.0010	NA	NA	ND<0.0010	NA
4,4-DDE	--	--	0.10**	0.005	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	NA	NA	NA	0.0020	NA	NA	ND<0.0010	NA
4,4-DDT	--	--	0.10**	ND<0.0020	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	0.0060	NA	NA	NA	ND<0.0020	NA	NA	ND<0.0020	NA
Total DDD, DDE and DDT	--	--	0.10**	0.005	NA	NA	NA	NA	NA	NA	ND	NA	0.0060	NA	NA	NA	0.0020	NA	NA	ND	NA
Herbicides (ug/kg) via EPA Method 8151																					
None Detected	--	--	--	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	ND	NA	NA	ND	NA

Notes and Abbreviations:

Criterion is higher that the default criterion

Criterion is lower than the default criterion

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is required for use of these criteria.

*** = Criterion is from CTDEEP document titled "Additional and Alternative Criteria" for certain SVOCs, undated; CTDEEP approval is required for use of these criteria.

RSR = Connecticut Remediation Standard Regulations
RDEC = Residential Direct Exposure Criteria
GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA
GWPC = Groundwater Protection Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
NA = Not Analyzed
ND = Not detected above the laboratory reporting limit
NE= Not Established
ETPH = Extractable total petroleum hydrocarbons
PAHs = Polynuclear aromatic hydrocarbons
PCBs = Polychlorinated biphenyls
PFAS = Per- and Polyfluoroalkyl Substances
SPLP = Synthetic precipitation leaching procedure
SVOCs = Semi-volatile organic compounds
VOCs = Volatile organic compounds
mg/kg = milligrams per kilogram (dry weight)
mg/L = milligrams per liter
ug/kg = micrograms per kilogram (dry weight)
ug/L = micrograms per liter
ESA = Environmental Site Assessment
Supp Inv = Supplemental Investigation

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA - Building Interior - Soil Samples								Supp Inv									
Sample ID	I/C DEC	GA PMC	GWPC	B35 0.5-1.5ft		B36 0.5-1.5ft	B36 1.5-2.5ft	B37 0.5-1.5ft		B38 0.5-1.5ft	B39 0.5-1.5ft	B40 0.3-1ft	B41 0.3-1ft	B42 0-2ft	B42 12-14ft	B43 0-2ft	B44 2-4ft	B44 4-6ft	B44 16-18ft	B45 0-2ft	B45 4-6ft	B46 2-4ft
Sample Date				10/09/2023		10/09/2023	10/09/2023	10/09/2023		10/09/2023	10/09/2023	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
Sample Depth				0.5-1.5 FEET		0.5-1.5 FEET	1.5-2.5 FEET	0.5-1.5 FEET		0.5-1.5 FEET	0.5-1.5 FEET	0.3-1 FEET	0.3-1 FEET	0-2 FEET	12-14 FEET	0-2 FEET	2-4 FEET	4-6 FEET	16-18 FEET	0-2 FEET	4-6 FEET	2-4 FEET
Comments					Duplicate				Duplicate													
ETPH (mg/kg) via CT Method	2,500	500	--	ND<50	NA	ND<51	NA	ND<50	NA	ND<51	ND<50	ND<56	ND<58	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP ETPH (mg/L) via CT Method	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																						
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																						
Acetone	1,000,000	14,000	--	ND	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<100
Naphthalene	2,500,000	5,600	--	ND<6.9	NA	ND<6.4	NA	ND<7.8	NA	ND<6.8	ND<7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<6.8
m, p-Xylene	1,000,000	19,500	--	ND	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<6.8
2-Butanone (MEK)	1,000,000	8,000	--	ND	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<17
1,4-Dioxane (ug/kg) via EPA Method 8260																						
Not Detected	57,000**	100**	--	ND<2.5	NA	ND<2.6	NA	ND<2.6	NA	ND<2.6	ND<2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270				SVOCs		SVOCs		SVOCs		SVOCs	SVOCs						PAHs			PAHs	PAHs	SVOCs
2-Methyl Naphthalene	1,000,000**	560**	--	ND	NA	ND	NA	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND<280	NA	NA	ND<230	ND<220	ND<220
Acenaphthene	2,500,000***	8,400**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	120	ND<110	ND<110
Acenaphthylene	2,500,000***	8,400	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	ND<120	ND<110	ND<110
Anthracene	2,500,000***	40,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	290	ND<110	ND<110
Benzo(a)anthracene	57,000***	1,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	720	300	ND<110
Benzo(b)fluoranthene	57,000***	1,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	200	NA	NA	880	330	ND<110
Benzo(k)fluoranthene	57,000***	1,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	360	220	ND<110
Benzo(g,h,i)perylene	78,000**	1,000**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	490	260	ND<110
Benzo(a)pyrene	5,700***	1,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	150	NA	NA	700	310	ND<110
Carbazole	290,000**	200**	--	ND<200	NA	ND<200	NA	ND<200	NA	ND<200	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<110
Chrysene	780,000**	1,000**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	190	NA	NA	760	330	110
Dibenzo(a,h)anthracene	5,700***	1,000**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	120	ND<110	ND<110
Dibenzofuran	1,000,000**	200**	--	ND<200	NA	ND<200	NA	ND<200	NA	ND<200	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<110
Fluoranthene	2,500,000***	5,600	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	420	NA	NA	1,700	810	170
Fluorene	2,500,000***	5,600	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	120	ND<110	ND<110
Indeno(1,2,3-cd)pyrene	7,800**	1,000**	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	380	180	ND<110
Isophorone	2,500,000**	740**	--	ND<200	NA	ND<200	NA	ND<200	NA	ND<200	ND<200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<220
Naphthalene	2,500,000***	5,600	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	ND<140	NA	NA	ND<120	ND<110	ND<110
Phenanthrene	2,500,000***	4,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	220	NA	NA	1,200	430	170
Pyrene	2,500,000***	4,000	--	ND<100	NA	ND<100	NA	ND<100	NA	ND<100	ND<100	NA	NA	NA	NA	NA	330	NA	NA	1,500	700	210
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																						
Acenaphthene	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																						
Arsenic	10	--	--	1.1	NA	2.6	NA	1.8	NA	ND<1.0	1.7	NA	NA	2.3	NA	NA	3.6	2.4	NA	NA	NA	NA
Barium	140,000	--	--	14	NA	22	NA	17	NA	38	15	NA	NA	20	NA	NA	34	28	NA	NA	NA	NA
Cadmium	1,000	--	--	ND<0.49	NA	0.54	NA	ND<0.48	NA	ND<0.50	ND<0.51	NA	NA	ND<0.52	NA	NA	ND<0.64	ND<0.60	NA	NA	NA	NA
Chromium	100/51,000*	--	--	5.6	NA	22	NA	5.6	NA	4.3	5.6	NA	NA	11	NA	NA	12	14	NA	NA	NA	NA
Copper	76,000	--	--	6.1	NA	29	NA	7.8	NA	8.1	15	NA	NA	19	NA	NA	10	8.4	NA	NA	NA	NA
Lead	1,000	--	--	4.2	NA	6.9	NA	6.2	NA	4.1	6.5	NA	NA	10	NA	NA	48	36	NA	NA	NA	NA
Mercury (via EPA Method 7471)	610	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.14	NA	NA	ND<0.16	ND<0.16	NA	NA	NA	NA
Nickel	7,500	--	--	5.2	NA	16	NA	6.4	NA	4.4	6.2	NA	NA	7.5	NA	NA	7.4	7.4	NA	NA	NA	NA
Selenium	10,000	--	--	ND<2.4	NA	ND<2.6	NA	ND<2.4	NA	ND<2.5	ND<2.5	NA	NA	ND<2.6	NA	NA	ND<3.2	ND<3.0	NA	NA	NA	NA
Silver	10,000	--	--	ND<1.9	NA	ND<2.1	NA	ND<1.9	NA	ND<2.0	ND<2.0	NA	NA	ND<2.1	NA	NA	ND<2.6	ND<2.4	NA	NA	NA	NA
Zinc	610,000	--	--	18	NA	52	NA	25	NA	23	34	NA	NA	36	NA	NA	54	39	NA	NA	NA	NA
SPLP Metals (mg/L) via EPA Method 6020																						
Arsenic	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.010	NA	NA	ND<0.010	NA	NA	NA	NA	NA
Barium	--	1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.056	NA	NA	ND<0.056	NA	NA	NA	NA	NA
Cadmium	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0056	NA	NA	ND<0.0056	NA	NA	NA	NA	NA
Chromium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.056	NA	NA	ND<0.056	NA	NA	NA	NA	NA
Copper	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.044	NA	NA	ND<0.044	NA	NA	NA	NA	NA
Lead	--	0.015	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.014	NA	NA	**0.053**	ND<0.014	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0022	NA	NA	ND<0.0022	NA	NA	NA	NA	NA
Nickel	--	0.1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.056	NA	NA	ND<0.056	NA	NA	NA	NA	NA
Selenium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.011	NA	NA	ND<0.011	NA	NA	NA	NA	NA
Silver	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.022	NA	NA	ND<0.022	NA	NA	NA	NA	NA
Zinc	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025	NA	NA	0.075	NA	NA	NA	NA	NA

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Phase II/III ESA - Building Interior - Soil Samples								Supp Inv										
Sample ID	I/C DEC	GA PMC	GWPC	B35 0.5-1.5ft		B36 0.5-1.5ft	B36 1.5-2.5ft	B37 0.5-1.5ft		B38 0.5-1.5ft	B39 0.5-1.5ft	B40 0.3-1ft	B41 0.3-1ft	B42 0-2ft	B42 12-14ft	B43 0-2ft	B44 2-4ft	B44 4-6ft	B44 16-18ft	B45 0-2ft	B45 4-6ft	B46 2-4ft
Sample Date				10/09/2023		10/09/2023	10/09/2023	10/09/2023		10/09/2023	10/09/2023	5/20/2024	5/20/2024	5/21/2024	5/21/2024	5/20/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024
Sample Depth				0.5-1.5 FEET		0.5-1.5 FEET	1.5-2.5 FEET	0.5-1.5 FEET		0.5-1.5 FEET	0.5-1.5 FEET	0.3-1 FEET	0.3-1 FEET	0-2 FEET	12-14 FEET	0-2 FEET	2-4 FEET	4-6 FEET	16-18 FEET	0-2 FEET	4-6 FEET	2-4 FEET
PFAS (ug/kg) via EPA Method 1633																						
Perfluorodecanesulfonic acid (PFDS)	NE	NE	--	ND<0.090	ND<0.090	0.11	ND<0.096	ND<0.099	ND<0.099	ND<0.094	ND<0.092	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																						
None Detected	--	--	--	ND<1.0	NA	ND<1.0	NA	ND<1.0	NA	ND<1.0	ND<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																						
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																						
Heptachlor Epoxide	630	20	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<2.9	ND<2.8	ND<2.8	ND<3.4	NA	ND<2.7	ND<2.9	ND<2.8	NA
Chlordane	2,200	66	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**360**	ND<17	49	**100**	NA	ND<16	ND<17	ND<17	NA
Dieldrin	360	7	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.58	ND<0.56	ND<0.57	**30**	NA	0.81	ND<0.58	ND<0.56	NA
Endosulfan sulfate	1,000,000**	84**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<2.9	ND<2.8	ND<2.8	ND<3.4	NA	ND<2.7	ND<2.9	ND<2.8	NA
4,4-DDD	17,000**	3**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.58	ND<0.56	ND<0.57	**68**	NA	1.3	ND<0.58	ND<0.56	NA
4,4-DDE	17,000**	3**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**160**	5.1	**45**	**190**	NA	5.1	ND<0.58	ND<0.56	NA
4,4-DDT	17,000**	3**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**170**	3.7	**34**	**51**	NA	2.7	ND<0.58	ND<0.56	NA
Total DDD, DDE and DDT	17,000**	3**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**330**	9	**79**	**309**	NA	9	ND<0.58	ND<0.56	NA
SPLP Pesticides (ug/L) via EPA Method 8081B																						
gamma-BHC (Lindane)	--	--	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0050	NA	ND<0.0050	ND<0.0050	NA	NA	NA	NA	NA
Dieldrin	--	--	0.002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0020	NA	ND<0.0020	ND<0.0020	NA	NA	NA	NA	NA
4,4-DDD	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA
4,4-DDE	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006	NA	0.002	ND<0.0010	NA	NA	NA	NA	NA
4,4-DDT	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	NA	ND<0.0010	ND<0.0010	NA	NA	NA	NA	NA
Total DDD, DDE and DDT	--	--	0.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006	NA	0.002	ND	NA	NA	NA	NA	NA
Herbicides (ug/kg) via EPA Method 8151																						
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

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Criterion is lower than the default criterion

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

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SPLP = Synthetic precipitation leaching procedure
SVOCs = Semi-volatile organic compounds
VOCs = Volatile organic compounds
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mg/L = milligrams per liter
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Supp Inv = Supplemental Investigation

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Supp Inv																
Sample ID	I/C DEC	GA PMC	GWPC	B47 2-4ft	B47 8-9.5ft	B48 2-4ft	B48 4-5ft	B49 4-6ft	B49 6-8ft	B50 0-2ft	B50 6-8ft	B51 6-7.5ft	B52 4-6ft	B53 0-2ft	B53 6-8ft	B54 6-8ft	B55 0-2ft	B56 2-4ft	B56 4-6ft	B57 0-2ft	B57 2-4ft
Sample Date				5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/20/2024	5/21/2024	5/21/2024	5/20/2024	5/20/2024
Sample Depth				2-4 FEET	8-9.5 FEET	2-4 FEET	4-5 FEET	4-6 FEET	6-8 FEET	0-2 FEET	6-8 FEET	6-7.5 FEET	4-6 FEET	0-2 FEET	6-8 FEET	6-8 FEET	0-2 FEET	2-4 FEET	4-6 FEET	0-2 FEET	2-4 FEET
Comments																	SEE B25 2-4ft				
ETPH (mg/kg) via CT Method	2,500	500	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<56	NA	ND<57	ND<52	NA	NA	NA	NA	NA
SPLP ETPH (mg/L) via CT Method	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																					
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																					
Acetone	1,000,000	14,000	--	120	NA	ND<92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	2,500,000	5,600	--	ND<6.9	NA	ND<6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m, p-Xylene	1,000,000	19,500	--	ND<6.9	NA	ND<6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	1,000,000	8,000	--	30	NA	ND<15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane (ug/kg) via EPA Method 8260																					
Not Detected	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270				SVOCs		SVOCs	SVOCs	PAHs	PAHs		PAHs	PAHs	PAHs		PAHs	PAHs	PAHs	PAHs (Note 2)	PAHs (Note 3)	PAHs	
2-Methyl Naphthalene	1,000,000**	560**	--	ND<230	NA	ND<230	ND<230	ND<210	ND<210	NA	ND<210	ND<210	ND<220	NA	ND<220	ND<230	ND<230	ND<220	370	ND<230	NA
Acenaphthene	2,500,000***	8,400**	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<100	ND<120	300	950	ND<120	NA
Acenaphthylene	2,500,000***	8,400	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<110	ND<120	ND<110	160	ND<120	NA
Anthracene	2,500,000***	40,000	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	130	ND<120	560	1,800	ND<120	NA
Benzo(a)anthracene	57,000***	1,000	--	190	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	120	NA	ND<110	370	ND<120	1,300	4,100	230	NA
Benzo(b)fluoranthene	57,000***	1,000	--	300	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	160	NA	ND<110	490	130	1,600	4,500	270	NA
Benzo(k)fluoranthene	57,000***	1,000	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	210	ND<120	660	2,200	140	NA
Benzo(g,h,i)perylene	78,000**	1,000**	--	210	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	280	ND<120	860	2,600	180	NA
Benzo(a)pyrene	5,700***	1,000	--	250	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	140	NA	ND<110	390	ND<120	1,300	3,900	240	NA
Carbazole	290,000**	200**	--	ND<120	NA	ND<110	ND<110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	780,000**	1,000**	--	250	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	130	NA	ND<110	430	ND<120	1,500	4,300	250	NA
Dibenzo(a,h)anthracene	5,700***	1,000**	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<100	ND<120	220	660	ND<120	NA
Dibenzofuran	1,000,000**	200**	--	ND<120	NA	ND<110	ND<110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	2,500,000***	5,600	--	470	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	240	NA	ND<110	1,000	200	3,700	11,000	430	NA
Fluorene	2,500,000***	5,600	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<100	ND<120	340	960	ND<120	NA
Indeno(1,2,3-cd)pyrene	7,800**	1,000**	--	140	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	220	ND<120	700	2,100	140	NA
Isophorone	2,500,000**	740**	--	ND<230	NA	ND<230	ND<230	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	2,500,000***	5,600	--	ND<120	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	ND<100	ND<120	190	560	ND<120	NA
Phenanthrene	2,500,000***	4,000	--	290	NA	ND<110	ND<110	ND<110	ND<100	NA	ND<110	ND<100	ND<110	NA	ND<110	880	130	3,200	9,900	220	NA
Pyrene	2,500,000***	4,000	--	550	NA	ND<110	130	ND<110	ND<100	NA	ND<110	ND<100	210	NA	ND<110	800	220	2,900	8,900	530	NA
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																					
Acenaphthene	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<1.0	NA	NA	NA
Naphthalene	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<1.0	NA	NA	NA
Phenanthrene	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																					
Arsenic	10	--	--	NA	5.2	NA	5	1.3	ND<1.0	NA	1.1	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	140,000	--	--	NA	67	NA	71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	1,000	--	--	NA	ND<0.56	NA	ND<0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100/51,000*	--	--	NA	23	NA	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	76,000	--	--	NA	24	NA	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	1,000	--	--	NA	13	NA	13	42	3.3	NA	2.8	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471)	610	--	--	NA	ND<0.13	NA	ND<0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	7,500	--	--	NA	19	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10,000	--	--	NA	ND<2.8	NA	ND<2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	10,000	--	--	NA	ND<2.3	NA	ND<2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	610,000	--	--	NA	47	NA	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Metals (mg/L) via EPA Method 6020																					
Arsenic	--	0.05	--	NA	NA	NA	ND<0.010	ND<0.0090	ND<0.0090	NA	ND<0.0090	ND<0.0090	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	--	1	--	NA	NA	NA	0.094	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	0.05	--	NA	NA	NA	ND<0.056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	0.015	--	NA	NA	NA	NA	ND<0.013	ND<0.013	NA	ND<0.013	ND<0.013	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471 or 6020)	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	0.1	--	NA	NA	NA	ND<0.056	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2B
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1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Supp Inv																
Sample ID	I/C DEC	GA PMC	GWPC	B47 2-4ft	B47 8-9.5ft	B48 2-4ft	B48 4-5ft	B49 4-6ft	B49 6-8ft	B50 0-2ft	B50 6-8ft	B51 6-7.5ft	B52 4-6ft	B53 0-2ft	B53 6-8ft	B54 6-8ft	B55 0-2ft	B56 2-4ft	B56 4-6ft	B57 0-2ft	B57 2-4ft
Sample Date				5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/21/2024	5/20/2024	5/21/2024	5/21/2024	5/20/2024	5/20/2024
Sample Depth				2-4 FEET	8-9.5 FEET	2-4 FEET	4-5 FEET	4-6 FEET	6-8 FEET	0-2 FEET	6-8 FEET	6-7.5 FEET	4-6 FEET	0-2 FEET	6-8 FEET	6-8 FEET	0-2 FEET	2-4 FEET	4-6 FEET	0-2 FEET	2-4 FEET
PFAS (ug/kg) via EPA Method 1633																					
Perfluorodecanesulfonic acid (PFDS)	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																					
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																					
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																					
Heptachlor Epoxide	630	20	--	ND<2.9	ND<2.8	NA	NA	NA	ND<2.6	ND<3.0	NA	NA	NA	ND<2.9	NA	NA	14	ND<2.8	NA	ND<2.9	ND<2.6
Chlordane	2,200	66	--	ND<18	ND<17	NA	NA	NA	ND<15	**150**	NA	NA	NA	ND<18	NA	NA	**540**	ND<17	NA	44	ND<15
Dieldrin	360	7	--	ND<0.58	ND<0.57	NA	NA	NA	ND<0.52	ND<0.59	NA	NA	NA	ND<0.59	NA	NA	ND<0.58	0.94	NA	ND<0.58	ND<0.51
Endosulfan sulfate	1,000,000**	84**	--	ND<2.9	ND<2.8	NA	NA	NA	ND<2.6	ND<3.0	NA	NA	NA	13	NA	NA	ND<2.9	ND<2.8	NA	5.7	ND<2.6
4,4-DDD	17,000**	3**	--	ND<0.58	ND<0.57	NA	NA	NA	ND<0.52	ND<0.59	NA	NA	NA	**24**	NA	NA	ND<0.58	0.84	NA	ND<0.58	ND<0.51
4,4-DDE	17,000**	3**	--	ND<0.58	**3.3**	NA	NA	NA	ND<0.52	**77**	NA	NA	NA	**83**	NA	NA	**170**	1.3	NA	**50**	0.93
4,4-DDT	17,000**	3**	--	ND<0.58	**5.1**	NA	NA	NA	ND<0.52	**62**	NA	NA	NA	**60**	NA	NA	**150**	1.4	NA	**48**	ND<0.51
Total DDD, DDE and DDT	17,000**	3**	--	ND<0.58	**8**	NA	NA	NA	ND<0.52	**139**	NA	NA	NA	**167**	NA	NA	**320**	**4**	NA	**98**	1
SPLP Pesticides (ug/L) via EPA Method 8081B																					
gamma-BHC (Lindane)	--	--	0.2	NA	ND<0.0050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0050	ND<0.0050	NA	ND<0.0050	NA
Dieldrin	--	--	0.002	NA	ND<0.0020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0020	ND<0.0020	NA	ND<0.0020	NA
4,4-DDD	--	--	0.10**	NA	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.0010	ND<0.0010	NA	ND<0.0010	NA
4,4-DDE	--	--	0.10**	NA	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006	ND<0.0010	NA	ND<0.0010	NA
4,4-DDT	--	--	0.10**	NA	ND<0.0010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005	ND<0.0010	NA	ND<0.0010	NA
Total DDD, DDE and DDT	--	--	0.10**	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.011	ND	NA	ND	NA
Herbicides (ug/kg) via EPA Method 8151																					
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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mg/L = milligrams per liter
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Supp Inv = Supplemental Investigation

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Supp Inv												
Sample ID	I/C DEC	GA PMC	GWPC	B58 0.5-2ft	B58 10-12ft	B59 0-2ft	B59 2-4ft	B60 0-2ft	B60 2-4ft	B61 0-2ft	B61 2-4ft	B62 0-2ft	B63 0-2ft	B63 2-4ft	B64 0-2ft	B64 2-4ft
Sample Date				5/20/2024	5/21/2024	5/20/2024	5/21/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024
Sample Depth				0.5-2 FEET	10-12 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	0-2 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET
Comments																
ETPH (mg/kg) via CT Method	2,500	500	--	ND<52	ND<55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP ETPH (mg/L) via CT Method	--	--	0.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg) via EPA Method 8082A																
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VOCs (ug/kg) via EPA Method 8260																
Acetone	1,000,000	14,000	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<110	NA	NA
Naphthalene	2,500,000	5,600	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<7.1	NA	NA
m, p-Xylene	1,000,000	19,500	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<7.1	NA	NA
2-Butanone (MEK)	1,000,000	8,000	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<18	NA	NA
1,4-Dioxane (ug/kg) via EPA Method 8260																
Not Detected	57,000**	100**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs and/or PAHs (ug/kg) via EPA Method 8270						PAHs		PAHs		PAHs (Note 3)	PAHs	PAHs	PAHs		PAHs (Note 3)	PAHs
2-Methyl Naphthalene	1,000,000**	560**	--	NA	NA	ND<230	NA	ND<240	NA	ND<240	ND<220	ND<230	ND<220	NA	ND<220	ND<220
Acenaphthene	2,500,000***	8,400**	--	NA	NA	ND<110	NA	ND<120	NA	ND<120	ND<110	ND<120	ND<110	NA	220	ND<110
Acenaphthylene	2,500,000***	8,400	--	NA	NA	ND<110	NA	130	NA	470	ND<110	ND<120	340	NA	1,000	ND<110
Anthracene	2,500,000***	40,000	--	NA	NA	ND<110	NA	ND<120	NA	620	ND<110	ND<120	190	NA	840	ND<110
Benzo(a)anthracene	57,000***	1,000	--	NA	NA	ND<110	NA	430	NA	1,600	120	130	660	NA	2,800	ND<110
Benzo(b)fluoranthene	57,000***	1,000	--	NA	NA	ND<110	NA	580	NA	1,900	140	260	1,000	NA	3,800	ND<110
Benzo(k)fluoranthene	57,000***	1,000	--	NA	NA	ND<110	NA	180	NA	710	ND<110	ND<120	510	NA	1,700	ND<110
Benzo(g,h,i)perylene	78,000**	1,000**	--	NA	NA	ND<110	NA	370	NA	1,100	120	130	600	NA	2,300	ND<110
Benzo(a)pyrene	5,700***	1,000	--	NA	NA	ND<110	NA	460	NA	1,600	130	170	800	NA	3,100	ND<110
Carbazole	290,000**	200**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	780,000**	1,000**	--	NA	NA	ND<110	NA	510	NA	1,700	120	220	920	NA	3,800	ND<110
Dibenzo(a,h)anthracene	5,700***	1,000**	--	NA	NA	ND<110	NA	ND<120	NA	210	ND<110	ND<120	130	NA	600	ND<110
Dibenzofuran	1,000,000**	200**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	2,500,000***	5,600	--	NA	NA	ND<110	NA	780	NA	4,800	260	390	1,400	NA	7,100	140
Fluorene	2,500,000***	5,600	--	NA	NA	ND<110	NA	ND<120	NA	290	ND<110	ND<120	ND<110	NA	530	ND<110
Indeno(1,2,3-cd)pyrene	7,800**	1,000**	--	NA	NA	ND<110	NA	260	NA	820	ND<110	ND<120	500	NA	1,800	ND<110
Isophorone	2,500,000**	740**	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	2,500,000***	5,600	--	NA	NA	ND<110	NA	ND<120	NA	ND<120	ND<110	ND<120	ND<110	NA	170	ND<110
Phenanthrene	2,500,000***	4,000	--	NA	NA	ND<110	NA	350	NA	4,200	ND<110	280	700	NA	5,200	ND<110
Pyrene	2,500,000***	4,000	--	NA	NA	110	NA	1,200	NA	4,500	270	420	1,600	NA	7,300	120
SPLP SVOCs and/or PAHs (ug/L) via EPA Method 8270																
Acenaphthene	--	--	420**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	--	--	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	--	--	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/kg) via EPA Method 6010C																
Arsenic	10	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	140,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	1,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	100/51,000*	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	76,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	1,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury (via EPA Method 7471)	610	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	7,500	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	10,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	10,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	610,000	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SPLP Metals (mg/L) via EPA Method 6020																
Arsenic	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	--	1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	--	0.005	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	--	1.3	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	--	0.015	--	NA	NA	NA	NA	NA	NA	NA	NA	ND<0.013	ND<0.013	NA	ND<0.013	NA
Mercury (via EPA Method 7471 or 6020)	--	0.002	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	--	0.1	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	--	0.05	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver	--	0.036	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	--	5	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2B
Summary of Soil Sample Analytical Results - Option 3
1985 Blue Hills Avenue Extension, Windsor, CT

Parameter	RSR Criteria			Supp Inv												
Sample ID	I/C DEC	GA PMC	GWPC	B58 0.5-2ft	B58 10-12ft	B59 0-2ft	B59 2-4ft	B60 0-2ft	B60 2-4ft	B61 0-2ft	B61 2-4ft	B62 0-2ft	B63 0-2ft	B63 2-4ft	B64 0-2ft	B64 2-4ft
Sample Date				5/20/2024	5/21/2024	5/20/2024	5/21/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024	5/20/2024
Sample Depth				0.5-2 FEET	10-12 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET	0-2 FEET	0-2 FEET	2-4 FEET	0-2 FEET	2-4 FEET
PFAS (ug/kg) via EPA Method 1633																
Perfluorodecanesulfonic acid (PFDS)	NE	NE	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alcohol Analysis (mg/kg) by GC via EPA Method 8015B																
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glycol Analysis (mg/kg) via EPA Method 8015B																
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/kg) via EPA Method 8081																
Heptachlor Epoxide	630	20	--	NA	NA	ND<2.9	ND<3.0	ND<3.0	ND<2.6	ND<3.0	ND<2.8	ND<2.9	ND<2.8	ND<2.6	ND<2.8	ND<2.7
Chlordane	2,200	66	--	NA	NA	**480**	ND<18	**130**	ND<16	26	ND<17	ND<17	ND<17	ND<16	**200**	ND<16
Dieldrin	360	7	--	NA	NA	ND<0.57	ND<0.60	ND<0.61	ND<0.53	ND<0.60	2.4	3.4	6.9	ND<0.52	**140**	ND<0.53
Endosulfan sulfate	1,000,000**	84**	--	NA	NA	ND<2.9	ND<3.0	ND<3.0	ND<2.6	6.3	ND<2.8	ND<2.9	ND<2.8	ND<2.6	ND<2.8	ND<2.7
4,4-DDD	17,000**	3**	--	NA	NA	ND<0.57	ND<0.60	ND<0.61	0.86	**9.6**	**14**	ND<0.58	ND<0.56	ND<0.52	ND<0.56	ND<0.53
4,4-DDE	17,000**	3**	--	NA	NA	**170**	ND<0.60	**72**	2.8	**30**	**14**	**7.6**	**13**	**4.4**	**64**	ND<0.53
4,4-DDT	17,000**	3**	--	NA	NA	**200**	ND<0.60	**64**	2.5	**20**	**8**	**8.3**	**19**	**4.4**	**120**	ND<0.53
Total DDD, DDE and DDT	17,000**	3**	--	NA	NA	**370**	ND<0.60	**136**	**6**	**60**	**36**	**16**	**32**	**9**	**184**	ND<0.53
SPLP Pesticides (ug/L) via EPA Method 8081B																
gamma-BHC (Lindane)	--	--	0.2	NA	NA	ND<0.0050	NA	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
Dieldrin	--	--	0.002	NA	NA	ND<0.0020	NA	ND<0.0020	ND<0.0020	ND<0.0020	ND<0.0020	0.002	0.005 (Note 1)	ND<0.0020	**0.048**	ND<0.0020
4,4-DDD	--	--	0.10**	NA	NA	ND<0.0010	NA	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
4,4-DDE	--	--	0.10**	NA	NA	ND<0.0010	NA	0.002	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
4,4-DDT	--	--	0.10**	NA	NA	ND<0.0010	NA	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
Total DDD, DDE and DDT	--	--	0.10**	NA	NA	ND	NA	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides (ug/kg) via EPA Method 8151																
None Detected	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes and Abbreviations:

Criterion is higher that the default criterion

Criterion is lower than the default criterion

Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.

Analytes not listed were not detected above minimum laboratory reporting limits

1. Compliance with the GA PMC is demonstrated by the total pesticide result.

2. Compliance with the GA PMC is demonstrated by the SPLP PAH result.

3. PAH concentrations are similar to samples B21 0-2', B27 2-4' and B56 2-4', therefore compliance with the GA PMC is demonstrated by SPLP PAH results from those soil samples.

* = Criteria apply to hexavalent/trivalent chromium

** = Criterion is from "Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests", September 20, 2018; CTDEEP approval is required for use of these criteria.

*** = Criterion is from CTDEEP document titled "Additional and Alternative Criteria" for certain SVOCs, undated; CTDEEP approval is required for use of these criteria.

RSR = Connecticut Remediation Standard Regulations
RDEC = Residential Direct Exposure Criteria
GA PMC = Pollutant Mobility Criteria for areas where groundwater is classified GA
GWPC = Groundwater Protection Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
NA = Not Analyzed
ND = Not detected above the laboratory reporting limit
NE= Not Established
ETPH = Extractable total petroleum hydrocarbons
PAHs = Polynuclear aromatic hydrocarbons
PCBs = Polychlorinated biphenyls
PFAS = Per- and Polyfluoroalkyl Substances
SPLP = Synthetic precipitation leaching procedure
SVOCs = Semi-volatile organic compounds
VOCs = Volatile organic compounds
mg/kg = milligrams per kilogram (dry weight)
mg/L = milligrams per liter
ug/kg = micrograms per kilogram (dry weight)
ug/L = micrograms per liter
ESA = Environmental Site Assessment
Supp Inv = Supplemental Investigation

Table 3
Summary of Groundwater Sample Analytical Results
1985 Blue Hills Avenue Extension
Windsor, CT

Parameter	RSR Criteria				SAMPLE													
Sample ID	RVC	I/C VC	GWPC	SWPC	B1/MW1		B2/MW2		B3/MW3		B4/MW4		B5/MW5		B24/MW6		B23/MW7	
Sample Date					9/21/2023	5/13/2024	9/21/2023	5/13/2024	9/21/2023	5/13/2024	9/21/2023	5/13/2024	9/21/2023	5/13/2024	9/22/2023	5/13/2024	9/22/2023	5/13/2024
ETPH (mg/L) via CT Method																		
CT ETPH	0.25**	0.25**	0.25	0.25**	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10
SVOCs/PAHs (µg/L) via EPA Method 8270					SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs	SVOCs
Benzyl Alcohol	NE	NE	NE	NE	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
2-Methyl Phenol	NE	NE	140**	670**	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
3+4 Methyl Phenol	NE	NE	120**	560**	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
VOCs (µg/L) via EPA Method 8260																		
None Detected	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane (µg/L) via EPA Method 8260																		
None Detected	NE	NE	3**	960**	NA	ND<2.5	NA	ND<2.5	NA	ND<2.5	NA	ND<2.5	NA	ND<2.5	NA	ND<2.5	NA	ND<2.5
Alcohol Analysis by GC (mg/L) via EPA 8015																		
None Detected	--	--	--	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	NA	NA	ND<1.0	ND<1.0
Glycol Analysis (mg/L) via EPA 8015																		
None Detected	--	--	--	--	NA	NA	NA	NA	ND<5.0	ND<5.0	NA	NA	NA	NA	NA	NA	ND<5.0	ND<5.0
PCBs (ug/L) via EPA 8082																		
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Metals (mg/L) via EPA Method 200.7																		
Arsenic	--	--	0.05	0.004	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040	ND<0.0040
Barium	--	--	1	2.2**	0.17	ND<0.050	0.11	ND<0.050	0.083	0.18	0.067	0.13	ND<0.050	0.085	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Cadmium	--	--	0.005	0.006	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
Chromium	--	--	0.05	0.110/1.2*	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Copper	--	--	1.3	0.048	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040	ND<0.040
Lead	--	--	0.015	0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013	ND<0.013
Mercury (via EPA Method 245.2)	--	--	0.002	0.0004	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020	ND<0.00020
Nickel	--	--	0.1	0.88	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND<0.050
Selenium	--	--	0.05	0.05	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.010
Silver	--	--	0.036	0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012	ND<0.012
Zinc	--	--	5	0.123	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020	ND<0.020
Dissolved Metals (mg/L) via EPA Method 200.7																		
Nickel			0.1	0.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides (µg/L) via EPA Method 8151																		
None Detected	--	--	--	--	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA
Pesticides (µg/L) via EPA Method 8081																		
4,4-DDT	NE	NE	0.10**	0.05**	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
4,4-DDE	NE	NE	0.10**	0.05**	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
Total DDD, DDE and DDT	NE	NE	0.10**	0.05**	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
Dieldrin	NE	NE	0.002	0.1	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010
Heptachlor Epoxide	NE	NE	0.2	0.05	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050
PFAS (ng/L) via EPA Method 1633																		
Perfluoroheptanoic acid (PFHpA)	NE	NE	NE	NE	NA	5.9	NA	5.4	NA	2.9	NA	21	NA	5.7	NA	3.7	NA	ND<2.0
Perfluorohexane sulfonic acid (PFHxS)	NE	NE	NE	NE	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0	NA	3.3	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0
Perfluorooctane sulfonic acid (PFOS)	NE	NE	NE	NE	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0
Perfluorooctanoic acid (PFOA)	NE	NE	NE	NE	NA	28	NA	17	NA	5.6	NA	31	NA	7.7	NA	6.2	NA	ND<2.0
Total of above PFAS compounds	NE	NE	70**	NE	NA	33.9	NA	22.4	NA	8.5	NA	55.3	NA	13.4	NA	9.9	NA	ND<2.0
Perfluorobutanoic acid (PFBA)	NE	NE	NE	NE	NA	2.1	NA	3.6	NA	2.5	NA	6.9	NA	6	NA	5.4	NA	ND<2.0
Perfluorodecanoic acid (PFDA)	NE	NE	NE	NE	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0	NA	ND<2.0	NA	4.4	NA	ND<2.0
Perfluorohexanoic acid (PFHxA)	NE	NE	NE	NE	NA	2.5	NA	4.1	NA	2.4	NA	14	NA	13	NA	4.8	NA	ND<2.0
Perfluoropentanoic acid (PFPeA)	NE	NE	NE	NE	NA	ND<2.0	NA	3.8	NA	3.1	NA	9.1	NA	11	NA	7.6	NA	ND<2.0

Table 3
Summary of Groundwater Sample Analytical Results
1985 Blue Hills Avenue Extension
Windsor, CT

Parameter	RSR Criteria				SAMPLE													
Sample ID	RVC	I/C VC	GWPC	SWPC	L1985-3MW			L1985-5MW			L1985-6MW			L1985-10MW			Equipment Blank	Field Blank
Sample Date					5/28/2021	9/21/2023	5/13/2024	5/28/2021	9/21/2023	5/13/2024	5/28/2021	9/22/2023	5/13/2024	5/28/2021	9/22/2023	5/13/2024	5/13/2024	5/13/2024
ETPH (mg/L) via CT Method																		
CT ETPH	0.25**	0.25**	0.25	0.25**	ND<0.10	ND<0.10	ND<0.10	0.187	ND<0.10	ND<0.10	1.05	ND<0.10	ND<0.10	ND<0.098	ND<0.10	ND<0.10	NA	NA
SVOCs/PAHs (µg/L) via EPA Method 8270					PAHs	SVOCs	SVOCs	PAHs	PAHs	PAHs	PAHs	SVOCs	SVOCs	PAHs	SVOCs	SVOCs	NA	NA
Benzyl Alcohol	NE	NE	NE	NE	NA	7.4	ND<4.0	NA	NA	NA	NA	ND<4.0	ND<4.0	NA	ND<4.0	ND<4.0	NA	NA
2-Methyl Phenol	NE	NE	140**	670**	NA	11	ND<4.0	NA	NA	NA	NA	ND<4.0	ND<4.0	NA	ND<4.0	ND<4.0	NA	NA
3+4 Methyl Phenol	NE	NE	120**	560**	NA	6.1	ND<4.0	NA	NA	NA	NA	ND<4.0	ND<4.0	NA	ND<4.0	ND<4.0	NA	NA
VOCs (µg/L) via EPA Method 8260																		
None Detected	--	--	--	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
1,4-Dioxane (µg/L) via EPA Method 8260																		
None Detected	NE	NE	3**	960**	NA	NA	ND<2.5	NA	NA	ND<2.5	NA	NA	ND<2.5	NA	NA	ND<2.5	NA	NA
Alcohol Analysis by GC (mg/L) via EPA 8015																		
None Detected	--	--	--	--	NA	ND<1.0	ND<1.0	NA	NA	NA	NA	ND<1.0	ND<1.0	NA	NA	NA	NA	NA
Glycol Analysis (mg/L) via EPA 8015																		
None Detected	--	--	--	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (ug/L) via EPA 8082																		
None Detected	--	--	--	--	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA
Total Metals (mg/L) via EPA Method 200.7																		
Arsenic	--	--	0.05	0.004	ND	ND<0.0040	ND<0.0040	ND	ND<0.0040	ND<0.0040	ND	ND<0.0040	ND<0.0040	ND	ND<0.0040	ND<0.0040	NA	NA
Barium	--	--	1	2.2**	ND	0.096	0.052	ND	0.072	0.18	ND	0.11	0.44	ND	ND<0.050	0.053	NA	NA
Cadmium	--	--	0.005	0.006	ND	ND<0.0050	ND<0.0050	ND	ND<0.0050	ND<0.0050	ND	ND<0.0050	ND<0.0050	ND	ND<0.0050	ND<0.0050	NA	NA
Chromium	--	--	0.05	0.110/1.2*	ND	ND<0.050	0.054	ND	ND<0.050	ND<0.050	ND	ND<0.050	ND<0.050	ND	ND<0.050	ND<0.050	NA	NA
Copper	--	--	1.3	0.048	ND<0.01	ND<0.040	ND<0.040	ND<0.01	ND<0.040	ND<0.040	0.0102	ND<0.040	ND<0.040	ND<0.01	ND<0.040	ND<0.040	NA	NA
Lead	--	--	0.015	0.013	ND<0.003	ND<0.013	ND<0.013	ND<0.003	ND<0.013	ND<0.013	0.0046	ND<0.013	ND<0.013	ND<0.003	ND<0.013	ND<0.013	NA	NA
Mercury (via EPA Method 245.2)	--	--	0.002	0.0004	ND	ND<0.00020	ND<0.00020	ND	ND<0.00020	ND<0.00020	ND	ND<0.00020	ND<0.00020	ND	ND<0.00020	ND<0.00020	NA	NA
Nickel	--	--	0.1	0.88	ND<0.01	ND<0.050	ND<0.050	ND<0.01	ND<0.050	0.068	0.0119	ND<0.050	ND<0.050	ND<0.01	ND<0.050	ND<0.050	NA	NA
Selenium	--	--	0.05	0.05	ND	ND<0.010	ND<0.010	ND	ND<0.010	ND<0.010	ND	ND<0.010	ND<0.010	ND	ND<0.010	ND<0.010	NA	NA
Silver	--	--	0.036	0.012	ND	ND<0.012	ND<0.012	ND	ND<0.012	ND<0.012	ND	ND<0.012	ND<0.012	ND	ND<0.012	ND<0.012	NA	NA
Zinc	--	--	5	0.123	ND	ND<0.020	ND<0.020	ND	ND<0.020	ND<0.020	ND	ND<0.020	ND<0.020	ND	ND<0.020	ND<0.020	NA	NA
Dissolved Metals (mg/L) via EPA Method 200.7																		
Nickel			0.1	0.88	NA	NA	NA	NA	NA	0.068	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides (µg/L) via EPA Method 8151																		
None Detected	--	--	--	--	NA	ND	NA	NA	ND	NA	ND	ND	NA	ND	ND	NA	NA	NA
Pesticides (µg/L) via EPA Method 8081																		
4,4-DDT	NE	NE	0.10**	0.05**	ND<0.0065	ND<0.0010	ND<0.0010	ND<0.0065	ND<0.0010	ND<0.0010	0.024	0.0030	ND<0.0010	ND<0.0067	ND<0.0010	ND<0.0010	NA	NA
4,4-DDE	NE	NE	0.10**	0.05**	ND<0.0065	ND<0.0010	ND<0.0010	ND<0.0065	ND<0.0010	ND<0.0010	0.022	0.0050	ND<0.0010	ND<0.0067	ND<0.0010	ND<0.0010	NA	NA
Total DDD, DDE and DDT	NE	NE	0.10**	0.05**	ND<0.0065	ND<0.0010	ND<0.0010	ND<0.0065	ND<0.0010	ND<0.0010	0.046	0.0080	ND<0.0010	ND<0.0067	ND<0.0010	ND<0.0010	NA	NA
Dieldrin	NE	NE	0.002	0.1	ND<0.0010	ND<0.0010	0.005	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	ND<0.0010	NA	NA
Heptachlor Epoxide	NE	NE	0.2	0.05	ND<0.0065	ND<0.0050	0.008	ND<0.0065	ND<0.0050	ND<0.0050	0.012	ND<0.0050	ND<0.0050	ND<0.0067	ND<0.0050	ND<0.0050	NA	NA
PFAS (ng/L) via EPA Method 1633																		
Perfluoroheptanoic acid (PFHpA)	NE	NE	NE	NE	NA	NA	3.3	NA	NA	5.5	NA	NA	ND<2.0	NA	NA	4.6	ND<2.1	ND<2.0
Perfluorohexane sulfonic acid (PFHxS)	NE	NE	NE	NE	NA	NA	ND<2.0	NA	NA	ND<2.0	NA	NA	ND<2.0	NA	NA	ND<2.0	ND<2.1	ND<2.0
Perfluorooctane sulfonic acid (PFOS)	NE	NE	NE	NE	NA	NA	36	NA	NA	3.4	NA	NA	ND<2.0	NA	NA	ND<2.0	ND<2.1	ND<2.0
Perfluorooctanoic acid (PFOA)	NE	NE	NE	NE	NA	NA	12	NA	NA	14	NA	NA	ND<2.0	NA	NA	9	ND<2.1	ND<2.0
Total of above PFAS compounds	NE	NE	70**	NE	NA	NA	51.3	NA	NA	22.9	NA	NA	ND<2.0	NA	NA	13.6	ND<2.1	ND<2.0
Perfluorobutanoic acid (PFBA)	NE	NE	NE	NE	NA	NA	3.1	NA	NA	4.3	NA	NA	4.1	NA	NA	3.7	ND<2.1	ND<2.0
Perfluorodecanoic acid (PFDA)	NE	NE	NE	NE	NA	NA	ND<2.0	NA	NA	ND<2.0	NA	NA	ND<2.0	NA	NA	ND<2.0	ND<2.1	ND<2.0
Perfluorohexanoic acid (PFHxA)	NE	NE	NE	NE	NA	NA	2.9	NA	NA	7.7	NA	NA	2.1	NA	NA	3.6	ND<2.1	ND<2.0
Perfluoropentanoic acid (PFPeA)	NE	NE	NE	NE	NA	NA	2.6	NA	NA	5.6	NA	NA	2	NA	NA	3.5	ND<2.1	ND<2.0

NOTES:
Shaded values indicate results that may exceed one or more of the CT Remediation Standard Regulation (RSR) criteria. A comprehensive evaluation of compliance with the criteria is not shown on the table. See the report text for additional information.
Analytes were not listed if they were not detected above minimum laboratory reporting limits
* = Criteria apply to hexavalent/trivalent chromium
** = Criterion is from "Request for Approval of Criteria for Additional Polluting Substances", March 25, 2022. CTDEEP approval is required for use of these criteria.
RSR = Connecticut Remediation Standard Regulations
RVC = Residential Volatilization Criteria
I/C VC = Industrial/Commercial Volatilization Criteria
GWPC = Groundwater Protection Criteria
SWPC = Surface Water Protection Criteria
ETPH = extractable total petroleum hydrocarbons
SVOCs= semivolatile organic compounds
PAHs = polynuclear aromatic hydrocarbons
VOCs = volatile organic compounds
PCBs = polychlorinated biphenyls
PFAS = per- and polyfluoroalkyl substances
NA= Not Analyzed
ND = Not detected above the laboratory reporting limit
mg/L = milligrams per liter
ng/L = nanograms per liter
µg/L = micrograms per liter

Table 4
Summary of Soil Vapor Analytical Data
1985 Blue Hills Avenue Extension
Windsor, CT

Parameter	RSR Criteria		SAMPLE																
Sample ID	Res SVVC	I/C SVVC	SV-1	SV-1	SV-2	SV-2	SV-3	SV-3	SV-4	SV-4	SV-5	SV-5	SV-6	SV-6	SV-7	SV-7	SV-8	SV-8	SV-9	SV-9
Sample Date			11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024
VOCs via EPA Method TO-15 (ppbv)																				
1,4-Dioxane	610	50	3.67	ND< 0.250	2.68	ND< 0.250	1.45	ND< 0.250	ND<0.650	ND< 0.250	ND<0.650	ND< 0.250	1.08	ND< 0.250	ND<0.650	ND< 0.250	ND<0.650	ND< 0.250	ND<0.650	ND< 0.250
Acetone	57,000	290,000	185	ND< 3.75	32.2	ND< 3.75	49.6	ND< 3.75	11.8	ND< 3.75	38.6	ND< 3.75	66.6	ND< 3.75	9.84	ND< 3.75	16.7	18.2	14.6	ND< 3.75
Methyl Ethyl Ketone	130,000	230,000	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25
Ethanol	NE	NE	207	58.5	87	13.5	74.1	12.4	24.9	6.03	51.3	20.7	76.4	17.2	59.2	20.4	51	15.9	36.3	20.2
Isopropylalcohol	NE	NE	12.4	ND< 3.75	4.4	ND< 3.75	3.81	ND< 3.75	ND<3.75	ND< 3.75	ND<3.75	ND< 3.75	4.23	ND< 3.75	ND<3.75	ND< 3.75	ND<3.75	ND< 3.75	ND<3.75	ND< 3.75
Ethylbenzene	9,300	NE	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50
m,p-Xylene	NE	NE	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00
o-Xylene	NE	NE	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50
Total Xylenes	38,000	160,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	560	1,000	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500
Total VOCs	NE	NE	408.07	58.5	126.28	13.5	128.96	12.4	36.7	6.03	89.9	20.7	148.31	17.2	69.04	20.4	67.7	34.1	50.9	20.2

NOTES:
RSR = Connecticut Remediation Standard Regulations
VOCs = Volatile Organic Compounds
Res SVVC = Residental Soil Vapor Volatilization Criteria
I/C SVVC= Industrial Soil Vapor Volatilization Criteria
pbbv = parts per billion volume
ND = Not Detected
NE= Not Established
Analytes not listed were not detected above laboratory minimum reporting limits.

Table 4
Summary of Soil Vapor Analytical Data
1985 Blue Hills Avenue Extension
Windsor, CT

Parameter	RSR Criteria		SAMPLE																	
Sample ID	Res SVVC	I/C SVVC	SV-10	SV-10	SV-11	SV-11	SV-12	SV-12	SV-13	SV-13A	SV-13	SV-14	SV-14	SV-15	SV-15	SV-16	SV-16	SV-17	SV-17	SV-18	SV-18
Sample Date			11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024	11/17/2023	8/8/2024
VOCs via EPA Method TO-15 (ppbv)																					
1,4-Dioxane	610	50	ND<0.650	ND< 0.250	6.46	ND< 0.250	5.94	ND< 0.250	10	7.72	ND< 0.250	ND<0.650	ND< 0.250	ND<0.650	ND< 0.250	ND<0.650	ND< 0.250	ND<0.650	ND< 0.250	ND<0.650	ND< 0.250
Acetone	57,000	290,000	6.4	ND< 3.75	64.4	ND< 3.75	154	12.3	381	303	ND< 3.75	23.2	ND< 3.75	9.8	ND< 3.75	6.57	ND< 3.75	ND<3.75	ND< 3.75	ND<3.75	ND< 3.75
Methyl Ethyl Ketone	130,000	230,000	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	7.75	ND< 2.25	2.75	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25	ND<2.25	ND< 2.25
Ethanol	NE	NE	57.1	ND< 3.75	178	14.5	234	56.3	243	175	18.9	36.5	9.39	36.9	19.1	65.5	21.1	31.5	27.5	39.4	22.1
Isopropylalcohol	NE	NE	ND<3.75	ND< 3.75	12.7	ND< 3.75	18.3	ND< 3.75	31.2	23.9	ND< 3.75	ND<3.75	ND< 3.75	4.71	ND< 3.75	ND<3.75	ND< 3.75	ND<3.75	ND< 3.75	ND<3.75	ND< 3.75
Ethylbenzene	9,300	NE	ND<2.50	ND< 2.50	48.7	ND< 2.50	ND<2.50	ND< 2.50	162	99.5	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50
m,p-Xylene	NE	NE	ND<5.00	ND< 5.00	176	ND< 5.50	ND<5.00	ND< 5.00	573	367	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00	ND<5.00	ND< 5.00
o-Xylene	NE	NE	ND<2.50	ND< 2.50	54	ND< 2.50	ND<2.50	ND< 2.50	185	121	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50	ND<2.50	ND< 2.50
Total Xylenes	38,000	160,000	ND	ND	230	ND	ND	ND	758	488	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	560	1,000	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	0.57	ND< 0.750	0.865	0.82	ND< 1.10	1.12	ND< 0.500	ND<0.500	ND< 0.500	ND<0.500	ND< 0.500	0.62	ND< 1.00	0.9	ND< 1.50
Total VOCs	NE	NE	63.5	ND	770.26	14.5	420.56	68.6	1589	1098	18.9	60.82	9.39	51.41	19.1	72.07	21.1	32.12	27.5	40.3	22.1

NOTES:
RSR = Connecticut Remediation Standard Regulations
VOCs = Volatile Organic Compounds
Res SVVC = Residental Soil Vapor Volatilization Criteria
I/C SVVC= Industrial Soil Vapor Volatilization Criteria
pbbv = parts per billion volume
ND = Not Detected
NE= Not Established
Analytes not listed were not detected above laboratory n

Table 5
Summary of Recognized Environmental Conditions and Areas of Concern
1985 Blue Hills Avenue Extension, Windsor, CT

Recognized Environmental Conditions (RECs) and/or Areas of Concern (AOCs)	REC/AOC Type/Location	Approximate Release Date(s)	Release and/or Potential Mechanisms	Contaminants of Concern (COCs)	Phase II Investigation Conducted (some explorations were completed by ZUVIC in 2023)	Has Release Occurred?	Phase III Investigation Performed	Supplemental Investigation Performed	Exceedances of Soil Criteria	Exceedances of Groundwater Criteria	Exceedances of Vapor Criteria	Is Release Area Delineated?	Is Groundwater Plume Delineated?	Data Gaps - Soil	Data Gaps - Groundwater	Is Remediation Required?
REC 1 - Diesel Fuel Release at the Loading Dock Area	Stormwater detention basin located in the southeast portion of the Site south of the building loading docks	May 2011	A diesel fuel release occurred at the loading dock area and fuel entered a catch basin there. Liquids in the catch basin discharge to a stormwater detention basin south of the building. The release was contained, and hard surfaces cleaned of residual fuel.	ETPH, PAHs, VOCs	Borings: L1985-1 L1985-2 L1985-4 L1985-15 Boring/Monitoring Well: L1985-3MW	Yes	Borings B17, B18	Boring: B58 L1985-3MW (groundwater monitoring)	None	None	N/A	Yes	Yes	None	None	No
REC 2 - Coolant Release from Emergency Generator	One backup emergency generator located southwest of the building. The generator contains a 4,400-gallon diesel AST. One backup emergency generator located adjacent to the south wall of the building west of the loading dock area. The generator contains a 3,100-gallon diesel AST.	June 2017	A release of approximately 40-gallons of antifreeze occurred in one of two emergency generator enclosures; approximately 5 gallons of antifreeze leaked out of the trailer onto adjacent gravel and a concrete pad. The release was reported as "contained".	Ethylene and propylene glycol	Borings: L1985-1 L1985-7 L1985-13	No	Borings: B9, B10, B11, B32	None	None	N/A	N/A	N/A	N/A	None	None	No
REC3 - Historical Barn/Warehouse and Fire	A former barn/warehouse was located in the southern portion of the Site and destroyed in May 1994 by a structure fire that was extinquished using water.	Before 1943 to 1990s; fire cooccured in May 1994	A barn/warehouse was used by Culbro in connection with tobacco cultivation at the site and neighboring properties. Pesticides, herbicides, and other chemicals were stored in the warehouse. A fire at the structure was extinguished with water in May 1994 and releases of chemicals may have occurred to soil, groundwater; pesticides were detected in a sample of water runoff after the fire. Following the fire, the structure was demolished and the basement backfilled with soil, non-soil materials (including asphalt, coal, brick, concrete, glass, and ash), and potentially chemicals stored in the building.	ETPH, SVOCs, VOCs, RCRA 8 Metals plus Cu, Ni, and Zn, Pesticides, Herbicides (see AOC 2)	Borings: L1985-8 L1985-9 Boring/Monitoring Well L1985-10MW	Yes	Boring/Monitoring Well: B24/MW6 Borings: B25, B26, B27, B28, B29, B30, B31	Borings: B24A, B27A, B42, B43, B44, B45, B46, B47, B48, B49, B50, B51, B52, B53, B54, B55, B56, B57 L1985-10MW, B24/MW6 (groundwater monitoring)	ETPH >RDEC at B26 5-7.5 fbg PAHs > RDEC at B27 2-4 fbg, B56 2-4 fbg and B56 4-6 fbg Chlordane > RDEC at B24/MW6 0-2 fbg and B55 0-2 fbg Arsenic > RDEC, I/C DEC and Leachable Arsenic and Lead > GA PMC at B29 6-8.5 fbg Leachable Lead > GA PMC at B44 2-4 fbg	None	N/A	Yes, releases are sufficiently delineated. Releases are within the building footprint, however additional evaluation may be desired west and northeast of barn	Yes	None	None	Yes
REC 4 - Release from Snow Removal Equipment	Snow removal equipment is on occasion stored at the east end of the northern parking lot.	2021	Oily staining was observed on pavement in the storage area during the Phase I ESA site visit in 2021. One stain appeared wet from a recent equipment leak and was observed intersecting a pavement crack.	ETPH, PAHs, VOCs	Boring/Monitoring Well: L1985-5MW	Yes	Borings: B12, B13, B14	None L1985-5MW (groundwater monitoring)	None	None	N/A	Yes	N/A	None	None	No
AOC 1 - Loading Dock Area, Storm Drain, and Southeast Stormwater Detention Basin	The loading docks are located in the southeastern portion of the building. Two trash compactors are located adjacent to the loading docks. A storm drain in the area discharges to the stormwater detention basin located in the southeastern portion of the Site.	Circa 2001 to Present	The potential historical release associated with REC 1; handling and storage of chemicals and hazardous wastes by JDS; hydraulic oil leaks from two hydraulic compactors in the loading dock area; storage of waste in the dumpster; and, discharges from the loading dock catch basin to stormwater detention basin.	ETPH, SVOCs, PCBs, RCRA 8 Metals plus Cu, Ni, and Zn, Alcohols, PFAS, 1,4-Dioxane	Borings: L1985-1 L1985-2 L1985-4 L1985-15 Boring/Monitoring Well: L1985-3MW	Yes	Borings: B6, B7, B8 (see REC 1 for additional pertinent borings)	None L1985-3MW (groundwater monitoring)	None	None	N/A	Yes	N/A	None	None	No
AOC 2 - Agricultural Use	The western and central portions of the Site were historically used for agriculture (i.e., tobacco growing and drying).	Before 1943 to 1990s	Possible impacts to areas of the property used for tobacco cultivation. Pesticides, fertilizers and herbicides were likely applied to the fields and were stored in the former barn/warehouse (see REC 3); and, two former barns presumably used for tobacco drying, located in the central and southeastern portions of the Site (AOC 8).	RCRA 8 Metals plus Cu, Ni, and Zn, Pesticides, Herbicides	Borings: L1985-7 L1985-15 Borings/Monitoring Wells: site-wide	Yes	Borings/Monitoring Wells: B1/MW1, B2/MW2, B3/MW3, B4/MW4, B5/MW5 Borings: B6, B7, B8, B9, B11, B12, B17, B18, B19, B20, B32, B33	None All wells (groundwater monitoring)	None	L1985-3MW: Dieldrin > GWPC, SWPC Total Chromium > GWPC	N/A	Yes	Unknown	None	None	No

Table 5
Summary of Recognized Environmental Conditions and Areas of Concern
1985 Blue Hills Avenue Extension, Windsor, CT

Recognized Environmental Conditions (RECs) and/or Areas of Concern (AOCs)	REC/AOC Type/Location	Approximate Release Date(s)	Release and/or Potential Mechanisms	Contaminants of Concern (COCs)	Phase II Investigation Conducted (some explorations were completed by ZUVIC in 2023)	Has Release Occurred?	Phase III Investigation Performed	Supplemental Investigation Performed	Exceedances of Soil Criteria	Exceedances of Groundwater Criteria	Exceedances of Vapor Criteria	Is Release Area Delineated?	Is Groundwater Plume Delineated?	Data Gaps - Soil	Data Gaps - Groundwater	Is Remediation Required?
AOC 3 - Exterior Oil-filled Transformers	Two transformers in the northeastern portion of the Site; one transformer near the northeastern corner of the building; one transformer west of the loading docks; and, two transformers and/or electrical equipment near the northwestern corner of the stormwater detention basin.	Circa 2001 to Present	A spill of less than 1 gallon of oil was documented at one of the six transformers, which was contained and removed and therefore is not considered a REC; however there is still the potential of other leaks associated with the oil-filled pad-mounted transformers.	ETPH, PCBs	Borings: L1985-12 L1985-13 L1985-14	Yes	Borings: B15, B16, B33, B34	None	None	N/A	N/A	Yes	N/A	None	None	No
AOC 4 Suspected Dumping Area	Historical dumping was identified throughout the Site as indicated in a 2000 Phase I ESA. During a 2021 Phase I ESA, a sign was observed at the southeast corner of the Site that read "No Dumping".	Before 1943 to Present	Small amounts of trash was observed near the "No Dumping" sign; potential illegal dumping may have occurred in this area.	ETPH, SVOCs, VOCs, RCRA 8 Metals plus Cu, Ni, and Zn, Pesticides, Herbicides, PCBs	Boring L1985-11	Yes	Borings:B21, B22 Boring/Monitoring Well B23/MW7	Borings: B62, B63 and B64 B23/MW7 (groundwater monitoring)	PAHs > RDEC, I/C DEC at B21 0-2 fbg and B64 0-2 fbg Dieldrin > RDEC at B64 0-2 fbg Leachable dieldrin > GWPC at B23/MW7 0-2 fbg and B64 0-2 fbg Leachable lead > GA PMC at B23/MW7 0-2 fbg	None	N/A	Yes, however additional evaluation may be desired south, east and west of B23/MW7 and B64	N/A	None	None	Yes
AOC 5 - Former JDS Uniphase Site Operations	The Site was developed with the current building circa 2000 and occupied by a fiber optic component manufacturer (JDS Uniphase (JDS)) until 2004. JDS manufacturing and likely use of chemicals were apparently conducted in two production areas, a clean room and loading dock area. JDS was a small quantity generator (SQG) of hazardous waste including acids, caustics, spent solvents and ignitable wastes.	Circa 2001 to 2004	Leaks and spillage associated with chemicals and hazardous waste.	ETPH, VOCs, SVOCs, Alcohols, RCRA 8 Metals plus Cu, Ni, and Zn, PFAS, 1,4-Dioxane	See AOC 1 for borings/monitoring wells	Yes	Borings/Monitoring Wells: B1/MW, B2/MW2, B3/MW3, B4/MW4, B5/MW5 (see AOC 1 for additional pertinent borings) Borings: B35, B36, B37, B38, B39 Soil Vapor Points: SV1 to SV18	B1/MW, B2/MW2, B3/MW3, B4/MW4, B5/MW5 (groundwater monitoring) SV1 to SV18 (soil vapor sampling)	None	None	No	No	None	Yes - evaluation of potential source areas beneath building is warranted	None	Unknown
AOC 6 - Two Emergency Generator Diesel ASTs	See REC2	Circa 2001 to Present	Leaks and spillage associated with diesel ASTs associated with the emergency generators, including tank overfills.	ETPH, PAHs, VOCs	See REC 2 for borings	Yes	See REC 2 for borings	Borings: B40, B41 and B58	ETPH >RDEC at B10 0.3-1 fbg	N/A	N/A	Yes	N/A	None	None	Yes
AOC 7 - Former Culbro 7,000-gallon Heating Oil A2Underground Storage Tank (UST)	A former 7,000-gallon heating oil UST was located north of eastern end of barn/office structure	Before 1943 to 1994	Leaks from the tank and surficial releases during tank filling associated with use of the UST to heat the structure; the UST may have been compromised during the 1994 barn/warehouse fire remediation and cleanup (see REC 3).	ETPH, PAHs, VOCs	Boring/Monitoring Well: B24/MW6 Boring: B25	No	Boring/Monitoring Well: B24/MW6 Boring: B25	B24/MW6 (groundwater monitoring)	None	None	N/A	N/A	N/A	None	None	No
AOC 8 - Two Additional Former Barns	Barns were located in the central and southeastern portions of the Site. The barns were presumably used for tobacco drying.	Before 1943 to 1990s	Spills and leaks from potential storage of pesticides, fertilizers, herbicides and other chemicals.	ETPH, SVOCs, VOCs, pesticides, herbicides, RCRA 8 Metals plus Cu, Ni, and Zn	Borings: L1985-3MW, B3/MW3, B4/MW4, B5/MW5, B19, B20	Yes	None	Borings: B20A, B59, B60, B61	Chlordane > RDEC at B20 0-2 fbg PAHs > RDEC at B61 0-2 fbg	None	N/A	Yes, however additional evaluation may be desired south and west of B61 and west of B20	N/A	None	None	Yes
AOC 9 - Potential Off-Site Sources	The undeveloped parcel of land (1995 Blue Hills Avenue Extension) located west of the Site and other nearby properties were used for agricultural purposes (i.e., tobacco cultivation).	Before 1943 to 1990s	Possible impacts from adjacent and upgradient properties may have occurred from their use for agricultural purposes. Pesticides, fertilizers and herbicides were likely applied on the farmed fields and may have contaminated groundwater.	ETPH, pesticides, herbicides, RCRA 8 Metals plus Cu, Ni, and Zn	Borings/Monitoring Wells: L1985-6MW	Yes to groundwater	L1985-6MW (groundwater monitoring)	L1985-6MW (groundwater monitoring)	None	ETPH > GWPC, Res GWVC, I/C GWVC, SWPC on one occasion (not replicated during two other sampling rounds)	N/A	N/A	Unknown	None	None	No

Notes and Abbreviations:

PAHs: Polynuclear Aromatic Hydrocarbons
ETPH: Extractable Total Petroleum Hydrocarbons
SVOCs: Semi-Volatile Organic Compounds
L1985-#, L1985-#MW = Boring and/or monitoring wells advanced and/or installed by others in 2021
VOCs: Volatile Organic Compounds
PCBs: Polychlorinated Biphenyls
EG = ethylene glycol
B#, B#/MW: Boring and/or monitoring wells advanced and/or installed by ZUVIC in 2023 or 2024
PFAS: Per- and Polyfluoroalkyl Substances
PG = propylene glycol
fbg = feet below grade
N/A : Not Applicable

Appendix A

Supplemental Investigation Report, prepared by ZUVIC, dated November 2024

Supplemental Investigation Report

Eversource Call/Data Center
1985 Blue Hills Avenue Extension, Windsor, Connecticut

November 2024
Project No. 23246

Prepared for

EVERSOURCE

107 Selden Road, Berlin, CT 06037

Prepared by

ZUVIC Infrastructure Solutions

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1.0 INTRODUCTION AND PURPOSE

ZUVIC was retained by Eversource Energy Service Company on behalf of The Rocky River Realty Company (Eversource or Client) to complete this Supplemental Investigation of the Eversource Call/Data Center located at 1985 Blue Hills Avenue Extension, Windsor, Connecticut, hereafter referred to as the "Site".

The goal of this Supplemental Investigation is to further evaluate four areas of concern (AOC 4, 5, 6, and 8), one recognized environmental condition (REC 3) and site-wide groundwater quality.

The Supplemental Investigation was performed in general conformance with the Connecticut Department of Energy and Environmental Protection (CTDEEP) "Site Characterization Guidance Document" (SCGD) (September 2007, Revised December 2010). The work included the advancement of soil borings and collection and analyses of soil, groundwater, and sub-slab vapor samples and evaluation of groundwater flow direction.

2.0 BACKGROUND/PREVIOUS INVESTIGATIONS

2.1 Site Description

The Site location is shown on Figure 1 and a Site Plan is included as Figure 2. The Site is located at 1985 Blue Hills Avenue Extension in Windsor, CT and consists of approximately 19.42 acres. The property is at approximate latitude 41° 52' 40.93"N and longitude 72° 44' 17.65"W, and at an approximate elevation of 180 to 185 feet above mean sea level. The Site is developed with a single story 165,000 square foot masonry / slab on grade constructed building used by Eversource as office space and a call/data center. The building is surrounded by asphalt parking lots and landscaped areas.

The Site and surrounding area are zoned as "I" for industrial use. The surrounding area is also zoned for B-2 (business use) in the Town of Windsor and for R-40 Residential in the Town of Bloomfield.

For purposes of discussion in this report, Blue Hills Avenue Extension and Day Hill Road are referred to as lying east-west, and the sides of the building are referred to as lying east-west or north-south. All directions mentioned in describing the site reference these assumed directions.

The Site is bounded to the north by Blue Hills Avenue Extension (State Route 187) and Community Health Resources and CIGNA office buildings north of the road.

The Site is bounded to the south by Day Hill Road, which is the municipal boundary between the Towns of Windsor and Bloomfield. A parcel of land south of the road is used as an agricultural field and is developed with an industrial building occupied by CTEC Solar, LLC (solar supplier) and Lesro Industries (furniture manufacturer).

The Site is bounded to the east by an undeveloped parcel of land (1975 Blue Hills Avenue Extension), which includes a grassed area contiguous with landscaping at the Site, a wooded area, and a cleared area. This parcel was historically used for agriculture.

The Site is bounded to the west by an undeveloped parcel of land (1995 Blue Hills Avenue Extension) that was formerly used for agricultural. (i.e., tobacco cultivation) and was recently paved.

2.2 Background and Previous Investigations

Historically, the Site was used for agricultural purposes (cultivation of tobacco), presumed drying of tobacco in two barns, office space and storage of chemicals used for agricultural purposes in a third barn, and residential dwellings. The Site was developed with the site building in 2001 and occupied by a fiber optic component

manufacturer (JDS Uniphase (JDS)) until 2004 when Eversource occupied the building for use as office space for a call/data center.

The property is an "establishment," and was subject to the Connecticut Transfer Act (CGS Section 22a-134 through 22a-134e) when it was purchased by Eversource. The "establishment" determination was based on documentation of hazardous waste generation by JDS.

The property was transferred on December 1, 2021 to Eversource and was entered into the Property Transfer Program (PTP) in December 2021 with an acknowledgement of receipt issued by the CTDEEP in March 2022. Eversource is the Certifying Party to the transfer, and as such, is responsible for investigation and remediation of the Site. The CTDEEP assigned REM ID No. 14862 to the Site.

The following investigations and Connecticut PTP documentation for the Site have been completed and are presented in the following reports:

- Phase I Environmental Site Assessment (ESA), 1985 Blue Hills Avenue Extension, Windsor, CT prepared by Stantec Consulting Services Inc. (Stantec), dated July 13, 2021
- Phase II ESA, 1985 Blue Hills Avenue Extension, Windsor, CT prepared by Stantec, dated July 28, 2021
- 2022 Well Receptor Survey, 1985 Blue Hills Avenue Extension, Windsor, CT (REM ID# 14862) prepared by Stantec, dated June 6, 2022
- Environmental Condition Assessment Form (ECAF), dated December 9, 2021; Form III Transfer of Establishment Form (Form III), dated December 9, 2021
- CTDEEP Form III Receipt Acknowledgement Letter, dated March 21, 2022
- Schedule Letter prepared by a Stantec Licensed Environmental Professional (LEP), dated May 24, 2022
- Change of LEP Letter, prepared by ZUVIC, dated January 31, 2024
- Phase II/III ESA, 1985 Blue Hills Avenue Extension, Windsor, CT prepared by ZUVIC, dated March 2024
- Completion of Investigation Form, 1985 Blue Hills Avenue Extension, Windsor, CT prepared by ZUVIC, dated March 21, 2024

Based on results of Phase II and Phase III investigations, release areas warranting remediation were identified at the following AOCs/RECs, at and near the noted borings for contaminants which exceed remedial criteria.

- AOC 6 - Emergency generator AST southwest of the building – Extractable total petroleum hydrocarbons (ETPH) in soil near B10, from ground surface to approximately 1 fbg.
- REC 3 - Barn/Warehouse - ETPH, semi-volatile organic compounds (SVOCs), total and leachable arsenic and leachable lead in soil near B26, B27 and B29, from ground surface to approximately 9 fbg. Contaminants exceeding remedial criteria may be present within the entire barn foundation.
- REC 3 - Barn/Warehouse - pesticides in soil near B24/MW6, from ground surface to approximately 4 fbg. Note that AOC 7 is within REC 3.
- AOC 8 – Southeastern former tobacco barn - pesticides in soil near B20, from ground surface to approximately 4 fbg.
- AOC 4 – Dumping area - Polynuclear aromatic hydrocarbons (PAHs) in soil near B21 and leachable lead and leachable pesticides in soil near B23/MW7, from ground surface to approximately 2 fbg.

Pesticide concentrations detected in soil samples collected throughout the Site are generally consistent with application of pesticides and not indicative of point-sources with the exception of soil at and near B20 (southeastern barn, AOC 8), B23/MW7 (dumping area, AOC 4) and B24/MW6 (barn/warehouse, REC 3).

In addition, release areas with contaminant concentrations below remedial criteria were identified at the borings listed below, in vapor beneath the building or in groundwater. Additional investigations were warranted near

and/or upgradient of the explorations to evaluate the nature, extent, and degree of one or more of the following; 1,4-dioxane, volatile organic compounds (VOCs), SVOCs or PAHs, and per- and polyfluoroalkyl substances (PFAS), and whether remediation will be required in these areas.

- REC 3 – Outdoor storage near Barn/Warehouse – B24/MW6, B28, and B31
- AOC 5 – JDS operations - B36, SV-1, SV-6, SV-11, SV-12 and SV-13, and upgradient of L1985-3MW
- AOC 8 – Southeastern former tobacco barn - B20

The goal of this Supplemental Investigation is to further evaluate the degree and extent of releases at AOCs 4, 5, 6 and 8 and at REC 3 prior to the development of a Remedial Action Plan (RAP) for the Site.

3.0 SCOPE OF WORK

ZUVIC conducted soil, sub-slab soil vapor and groundwater sampling and analyses to further evaluate AOCs 4, 5, 6 and 8 and at REC 3. The Supplemental Investigation work included the following:

- Advancement of, and test screening of soil from, 28 exterior soil borings completed in May 2024 (B20A, B24A, B27A, B40 through B64) to evaluate releases and/or characterize and delineate previously-identified releases.
- Testing of soil samples collected from exterior borings for one or more of the following COCs: ETPH, pesticides, leachable pesticides, SVOCs/PAHs, leachable PAHs, VOCs, Resource Conservation and Recovery Act (RCRA) 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) plus copper, nickel, and zinc, and one or more leachable metals.
- Collection and analyses of groundwater from the 11 on-site wells (B1/MW1, B2/MW2, B3/MW3, B4/MW4, B5/MW5, B24/MW6, and B23/MW7, L1985-3MW, L1985-5MW, L1985-6MW and L1985-10MW) for one or more of the following: ETPH, SVOCs or PAHs, VOCs, alcohols, glycols, RCRA 8 metals plus copper, nickel, and zinc, pesticides, 1,4-Dioxane and PFAS.
- Collection and analysis of vapor samples from the 18 sub-slab vapor points (SSVP) (SV-1 through SV-18) previously installed inside the building for VOCs.

4.0 ENVIRONMENTAL SETTING AND STANDARDS

4.1 Geologic and Hydrogeologic Information

The Site is relatively level with grade gently sloping down toward stormwater catch basins and steeper grade changes down to stormwater detention basins in the southeastern and northeastern portions of the Site and a drainage swale centrally located in the southern parking area. Based on topographic maps, Site elevation ranges from approximately 180 to 185 feet above mean sea level except for lower elevations within the stormwater detention basins.

The surficial geology of the Site is identified as sand overlying fines and the bedrock underlying the Site is mapped as the Portland Arkose formation, which is described as reddish-brown arkose (brownstone). The mapped overburden deposits were confirmed during the Supplemental Investigation and previous Phase II/III ESA except that glacial till, consisting of red-brown sand, silt, and gravel, was encountered in two borings (B1/MW1 and B2/MW2) completed along the southern side of the building at 15 to 20 feet below grade (fbg). Bedrock was not observed during this evaluation, however during previous environmental investigations, including a 2001 geotechnical evaluation. bedrock was not encountered as deep as 41.5 ft.

Depths to groundwater measured in May 2021 at L1985-3MW, -5MW, -6MW and -10MW ranged from approximately 10.6 to 17.3 fbg. Depths to groundwater measured on September 21, 2023 at Phase II/III wells ranged from approximately 8.9 to 15.6 fbg. Depths to groundwater measured on May 13, 2024 at the wells

ranged from approximately 7.3 to 14.0 fbg. Depths measured in May 2024 were approximately three feet shallower compared to May 2021 and the May 2024 data may represent the seasonal high water table. Depth to groundwater during the seasonal low water table, typically September or October, is unknown since the depths to water measured in May 2021 (typical high water time period) were significantly lower than measured in September 2023. Groundwater flow on all three occasions was toward the southeast.

4.2 Groundwater and Surface Water Classifications

The majority of the Site is located within the Connecticut River major drainage basin, the Farmington River regional basin, and the Farmington River subregional basin with the exception of the southwest corner of the Site which is located within the Connecticut River major drainage basin, the Park River regional basin, and the North Branch Park River subregional basin. Runoff at the Site is conveyed via ground surface to the on-site stormwater catch basins and to stormwater detention basins located in the northeast and southeast portions of the Site.

According to CTDEEP Geographical Information System (GIS) mapping (accessed January 2024), groundwater at the Site is classified as "GA". The "GA" groundwater quality classification indicates that the water resource is intended to be suitable for existing private or potential public or private drinking water without treatment, stream base flow, and industrial and miscellaneous use (CTDEEP, October 2013). According to CTDEEP mapping, the Site is not within an Aquifer Protection Area.

ZUVIC did not observe any evidence of, or review any documentation, indicating the presence of water wells at the Site. A site-specific drinking water receptor survey was completed in 2022 and no drinking water wells were identified at, or within 500 ft. of, the Site.

The Site does not contain mapped surface water bodies, and no significant areas of standing water or other unmapped surface water bodies were observed during previous ESAs and this Supplemental Investigation. The Site is located approximately 4,000 feet south of the Farmington River, and approximately 350 feet southwest of Culbro Lake.

The Farmington River is classified as a class "B" surface waterbody. The "B" classification indicates degraded water bodies that are suitable for fish, aquatic life and wildlife habitat; recreation; navigation; and water supply for industry and agriculture (CTDEEP, October 2013).

Culbro Lake is classified as a class "A" surface waterbody. The "A" classification indicates water bodies that are suitable for potential drinking water supply; fish and wildlife habitat; recreational use; agricultural and industrial supply and other legitimate uses including navigation (CTDEEP, October 2013). Discharges to class "A" surface waterbodies are restricted to discharges from public or private drinking water treatment systems, dredging and dewatering, emergency and clean water discharges (CTDEEP, October 2013).

4.3 Soil Remediation Standards

For soil, the CTDEEP has adopted two types of remediation standards, one to address direct exposure (e.g., through ingestion of, or dermal contact with, contaminated soil) and a second to address pollutant mobility (i.e., the potential for leachate from contaminated soil to impact groundwater quality above a particular threshold).

Direct exposure criteria (DEC) have been developed for two types of land use scenarios, as follows: (i) residential land use; and (ii) industrial/commercial land use. The industrial/commercial direct exposure criteria would currently be applied to this site given its past and current industrial/commercial use. However, such an application would require placement of an environmental use restriction (EUR) to ensure that the parcel or restricted portion(s) of the parcel are not used for any residential purpose in the future, and that its use be limited to industrial or commercial activities. Since an EUR has not been recorded, the Residential Direct Exposure Criteria (RDEC) would currently apply to this Site.

Groundwater beneath the Site is classified by the CTDEEP as "GA", therefore, the pollutant mobility criteria (PMC) for soil in GA areas would be applicable.

For both DEC and PMC, the CTDEEP has adopted numeric standards that serve as "default" criteria unless acceptable site-specific or alternate criteria are developed, or unless background concentrations or analytical detection limits in soil exceed these numeric standards. In addition, there are a few circumstances where conditional exemptions or variances from the DEC and PMC are allowed. Where applicable, based on existing data, these exemptions, variances, site-specific or alternate criteria will be discussed. In general, site-specific or alternate criteria are not developed unless there are exceedances of the more protective default criteria.

According to the RSRs, the DEC are compared to soil quality data from total mass analyses, and apply to soil within 15 feet (ft.) of the ground surface. In a GA area, the PMC apply to soil from ground surface to the seasonal low water table. For pollutant mobility for metals or PCBs, one can either compare predicted or actual leaching data for a given metal or PCB to its GA PMC. For other constituents, one can compare leaching data to the GWPC multiplied by the appropriate dilution/attenuation factor if appropriate, or one can compare total mass analysis data to the PMC.

4.4 Groundwater Remediation Standards

In "GA" classified areas such as this site, there are four types of groundwater remediation standards which could potentially apply under the RSRs: (i) the groundwater protection criteria (GWPC); (ii) the surface-water protection criteria (SWPC); (iii) background concentrations; and (iv) the volatilization criteria (VC) for any groundwater polluted with VOCs within a certain depth below the ground surface or a building.

The GWPC are designed to ensure that the quality of existing and potential drinking water supplies is not impacted.

The SWPC are designed to ensure that contaminant concentrations in groundwater do not adversely impact water quality in a surface water body receiving groundwater discharges, except as follows. For a wetland or intermittent stream, the RSRs assume there may be no dilution and therefore the aquatic life criteria (AQLC) (contained in the Water Quality Standards) are used as the SWPC (i.e., are compared directly to the contaminant concentrations in the groundwater plume(s)). The AQLC are not applicable to the Site since groundwater does not discharge to wetlands or an intermittent stream. The SWPC can be compared to plume concentrations immediately upgradient of the point of discharge to the surface water body or to the 95% upper confidence limit of the arithmetic mean of samples representative of the subject groundwater plume.

Groundwater in a GA area is required to meet background concentrations unless the conditions described below are met, then compliance with the GWPC is permitted.

- Concentrations in groundwater are below the GWPC.
- One of the following conditions is met:
    - Public water is available within 200 ft. of the site, within 200 ft. of all abutting properties, and within 200 ft. of all properties within the aerial extent of the plume; the plume is not located in an aquifer protection area; and the plume is not located within the area of influence of any public water supply well.
    - The plume is a diminishing state groundwater plume prior to any remediation.
    - Reduction of concentrations in groundwater to background concentrations cannot be achieved using sound engineering and hydrogeologic remediation practices.

Provided concentrations in groundwater are compliant with the GWPC, compliance with background concentrations is not required since public water is available within 200 ft. of the Site, within 200 ft. of all abutting properties, and within 200 ft. of all properties within the aerial extent of the plume. In addition, any plumes at

the Site are not located in an aquifer protection area and are not located within the area of influence of any public water supply well.

The volatilization criteria (VC) apply to groundwater polluted with VOCs within a certain depth beneath the ground surface or a structure depending on the type of VOC present. The VC apply to groundwater within 10 feet of the ground surface or lowest portion of a building if it is polluted with petroleum substances and 30 feet for VOCs other than petroleum substances.

There are both residential and industrial/commercial default VC; residential VC apply to properties except those used solely for industrial or commercial activity, provided an EUR is in effect which ensures that the parcel will not be used for any residential purpose in the future, and that any future use of the parcel is limited to industrial or commercial activity. Since an EUR is not proposed for this Site, the Residential VC (RVC) would currently apply to the Site.

There are VC that apply to concentrations in groundwater (GWVC) and those that apply to concentrations in soil vapor (SVVC). Compliance with the VC can be demonstrated using either contaminant concentrations in groundwater compared to the GWVC or using contaminant concentrations in soil vapor compared to the SVVC.

4.5 Non-Aqueous Phase Liquid Remediation Standards

Removal of non-aqueous phase liquids (NAPL) from soil and groundwater are required by the RSRs to the maximum extent practicable defined as the greatest degree of remediation that can be achieved using sound engineering and hydrologic practices without taking cost into consideration.

CTDEEP may approve a variance for NAPL that cannot be contained or removed in accordance with the previous paragraph under certain circumstances.

NAPL was not observed in soil samples collected from borings completed at the Site and in groundwater collected from monitoring wells at the Site during this investigation and in previous investigations.

5.0 METHODS

5.1 Test Borings and Soil Sampling

The proposed exterior borings were marked on the ground and/or staked out by ZUVIC personnel. Prior to drilling and sampling activities at the Site, Call Before You Dig (CBYD), a public utility-locating service, was notified (Ticket Nos. 20242002546), and the proposed locations were reviewed by Corbuilt, LLC, a private utility locating company.

Haz-Probe, Inc. (Haz-Probe) of Hampden, MA conducted the drilling operations with oversight by ZUVIC personnel. On May 20, 2024, certain borings including B20A, B24A, B40, B41, B43, B55, B57, B58 and B60 through B64, were cleared down to depths between five and six feet using an air knife. Continuous soil samples were collected from the open hole with a metal scoop.

On May 21, 2024, 27 borings (B27A, B42, B44 through B54 and B58) were advanced to as deep as 20 ft. using a dual track Geoprobe™ Model 6610DT direct push drill rig. For the borings completed with the drill rig, continuous soil samples were collected from the borings using a 2.25-inch diameter, four-foot-long core barrel lined with disposable acetate sleeves.

The Test Boring and Well Installation logs are included in **Appendix A**. The exterior soil boring locations are shown on **Figures 3** and **Figure 6** and the previously-completed interior soil sample locations are shown on **Figure 5**.

Soil samples were collected for physical logging of soil types, and test-screening for VOCs was completed using a photoionization detector (PID) equipped with a 10.6 eV lamp.

Soil samples from the borings were collected and submitted to Complete Environmental Testing of Stratford, CT (CET) under proper chain-of-custody, and analyzed in accordance with the Connecticut Reasonable Confidence Protocols (RCPs) for one or more of the following analytes: ETPH by the CT Method, SVOCs or PAHs by EPA Method 8270, pesticides by EPA Method 8081, leachable pesticides using the Synthetic Precipitation Leaching Procedure (SPLP), VOCs via EPA Method 8260, RCRA 8 metals plus copper, nickel, and zinc by EPA Method 6010c or 7471, and one or more leachable metals via the SPLP.

5.2 Groundwater Monitoring Well Sampling

On May 13, 2024, ZUVIC measured depths to water in 11 monitoring wells using an oil/water interface probe, capable of measuring light non-aqueous phase liquids and dense non-aqueous phase liquids (LNAPL and DNAPL), and groundwater to within 0.01 feet. LNAPL and DNAPL were not detected in any of the wells, and groundwater samples were collected from the wells. Depth-to-water measurements and calculated water table elevations are summarized in **Table 1**. The monitoring well locations, water table elevations, groundwater contour lines and inferred groundwater flow directions are depicted on **Figure 4**.

Low-Flow Groundwater Sampling Field Logs are attached in **Appendix B**. The groundwater samples were submitted to CET, under proper chain-of-custody, and analyzed in accordance with the Connecticut RCPs. The samples were analyzed for ETPH by the CT Method, SVOCs or PAHs by EPA Method 8270, pesticides by EPA Method 8081, VOCs, including 1,4-Dioxane, via EPA Method 8260, alcohols via EPA Methods 8015, glycols (ethylene glycol and propylene glycol) via EPA Method 8015, RCRA 8 metals plus copper, nickel, and zinc by EPA Method 200.7 or 245.2 and PFAS by EPA Method 1633.

Groundwater samples were collected using CTDEEP-recommended low-flow sampling methods. Groundwater was pumped from each well using polyethylene tubing connected to a peristaltic pump, into a flow-through cell connected to a direct-reading multi-meter. Groundwater was monitored for temperature, pH, specific conductivity, oxidation-reduction potential (ORP), dissolved oxygen (DO) and turbidity at approximately five-minute intervals. Once parameter readings had stabilized to within recommended criteria, samples were collected by directly pumping groundwater into laboratory-provided containers which contained appropriate preservatives.

5.3 Sub-Slab Vapor Point (SSVP) Sampling

On August 8, 2024, ZUVIC sampled 18 SSVPs (SV-1 through SV-18) at locations shown on **Figure 5**. The sampling was completed in accordance with CTDEEP-recommended *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006*.

Prior to sampling, each point was purged of at least three void volumes using a PID. The results are included in **Appendix C**.

Following purging, a helium leak test was performed on 17 of the 18 points (SV-1 through SV-9, SV-11 through SV-18) to confirm that the points were airtight. A leak test was not performed at SV-10 since a wire rack was attached to the floor directly above the vapor point. For the remaining 17 SSVPs, the leak test was performed by covering the vapor point with an airtight dome, filling the dome with a known concentration of helium and testing vapors in the vapor point for helium using a helium detector. Regulatory guidance on helium leak testing specifies that the helium concentration in the vapor point be less than 10% of that detected in the dome for the test to be successful. The results of helium leak testing meet this requirement and the field data sheets are included in **Appendix C**.

After leak testing, vapor was collected directly into laboratory-provided 6-liter summa canisters over approximately thirty-minute time periods using laboratory-calibrated flow controllers. The summa canisters were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, CT, a State-certified laboratory, under proper chain-of-custody, and analyzed in accordance with the Connecticut RCPs for VOCs using EPA method TO-15.

6.0 INVESTIGATION RESULTS

6.1 General

The results of soil field test screening are presented on the Test Boring and Well Installation Logs (**Appendix A**), and the results of soil, groundwater, and soil vapor sampling are summarized in **Tables 2, 3, and 4** respectively. Exterior boring locations and monitoring wells are depicted on **Figures 3, 4,** and **6** and sub-slab soil vapor point locations are depicted on **Figure 5.** Groundwater elevation data are summarized in **Table 1**, and monitoring well locations, groundwater elevation contours and inferred flow directions are shown on **Figure 4**. Laboratory analytical reports for soil, groundwater, and vapor samples are included in **Appendices D, E,** and **F,** respectively.

Given the GA classification of groundwater beneath the Site, the RDEC, I/C DEC and GA PMC for soil were compared to soil analytical data. Groundwater analytical data were compared to the GWPC, SWPC, RVC and I/C VC for groundwater. Soil vapor analytical results were compared to the residential soil vapor volatilization criteria (Res SVVC) and industrial/commercial soil vapor volatilization criteria (I/C SVVC).

If default Connecticut RSR criteria have not been established for detected compounds, RDEC, I/C DEC, GA PMC, SWPC, RVC, I/C VC, Res SVVC, and I/C SVVS contained in the CTDEEP "Technical Support Document: Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests," dated September 20, 2018 or from the CTDEEP form entitled "Request for Approval of Criteria for Additional Polluting Substances," dated March 25, 2022 were used for comparison purposes. CTDEEP approval is required for use of these criteria and is commonly granted.

6.2 Geologic and Hydrogeologic Findings

In general, near-surface soils observed during sampling consisted predominantly of brown/dark brown silty sand with trace gravel and/or trace organics, transitioning to brown fine to coarse sand with depth. In two borings completed during the previous Phase II/III investigation (B1/MW1 and B2/MW2), glacial till consisting of dense, brown/red brown silty sand and gravel was observed at approximately 15 to 20 fbg. Field observations were generally consistent with the mapped descriptions of area geologic conditions.

Fill material consisting of soil with non-native soil constituents (asphalt, coal, brick, concrete, glass, and ash) was encountered from ground surface to approximately 8.5 fbg in borings L1985-8, L1985-10, B27, B29, B45, B48, B49, B51 and B56. A presumed basement concrete floor associated with the former barn/warehouse building was encountered in L1987-8, L1985-10, B26, B27, B27A, B29, B45, B47, B48 and B51 at various depths between approximately 6 and 10 fbg. Red-brown silty fine sand with subordinate amounts of gravel was encountered within the presumed footprint of the former barn, likely representing the fill material used following demolition of the building. Borings L1985-8, L1985-9, L1985-10, B26, B27, B45, B47 and B48 are within the footprint of the main barn structure and B29, B49 and B51 is within an apparent "entrance/exit" structure to the barn. Boring B56 was located northeast of the former barn/warehouse near the approximate location of a former 7,000-gallon heating oil UST used to heat the former barn/warehouse. The approximate footprint of the former barn/warehouse is depicted on **Figure 6**.

Bedrock was not encountered in any of the borings which were advanced as deep as 20 fbg.

Depths to groundwater beneath the Site measured during the Supplemental Investigation ranged from approximately 7.3 to 14 fbg on May 13, 2024. Depths to groundwater measured in September 2023 ranged from approximately 8.9 to 15.6 fbg. Depths to groundwater in May 2021 were generally deeper, ranging from approximately 10.6 to 17.3 fbg. Groundwater elevation data for this investigation and previous ESAs are summarized in **Table 1**. Groundwater elevations and inferred groundwater contours for the Supplemental Investigation gauging round are shown on **Figure 4.** Groundwater beneath the Site flows southeasterly toward Day Hill Road, consistent with observations made in May 2021 and September 2023.

6.3 Results of Photoionization Detector Test Screening

The results of test-screening of soil samples for total VOCs are presented in the Test Boring and Well Installation Logs (**Appendix A**). The majority of the borings did not have detectable levels of VOCs. Trace levels of VOCs (greater than 0.1 vapor per parts per million (vppm) and less than 1 vppm) were present in 10 of the 28 borings, with results ranging from 0.1 to 0.4 vppm.

6.4 Background Concentrations of Site-Specific Metals in Soil

Based on ZUVIC's experience at other sites in Connecticut, published resources, and concentrations in samples collected from unimpacted areas at the Site, background concentrations of metals in soil at the Site are inferred to be within the approximate ranges provided in the following table.

Metal	Soil Background Concentration Range (mg/kg)
Arsenic	ND - 4
Barium	5 - 60
Cadmium	ND
Chromium	3 - 15
Copper	3 - 30
Lead	ND - 23
Mercury	ND
Nickel	3 - 12
Selenium	ND
Silver	ND
Zinc	5 - 60

Notes:
mg/kg = milligrams per kilogram
ND = not detected

The Supplemental Investigation soil testing results were compared to these background metals concentrations to evaluate whether a release had occurred. The results of the comparison and evaluation are presented in the sections that follow.

6.5 Soil Analytical Results

A summary of the soil sample analytical results is presented in **Table 2** and the laboratory reports are included in **Appendix D**. During the sampling, stained, discolored, and/or odorous soil was not encountered.

A summary of the soil analytical results for RECs and/or AOCs investigated as part of this Supplemental Investigation is presented below. Due to the type and proximity of the AOCs to each other, certain RECs and/or AOCs are discussed together or referenced to previous sections if the data was used to evaluate multiple RECs and AOCs.

Note that "elevated levels" refers to concentrations of metals above inferred background levels but below applicable criteria.

6.5.1 **AOC 6** – Two Emergency Generator Diesel ASTs

Three borings were completed in the vicinity AOC 6. Soil samples were collected from boring B58, advanced east of the backup emergency generator/AST located west of the loading dock, and from borings B40 and B41, advanced north of the backup emergency generator/AST southwest of the building. The samples were analyzed for ETPH.

The borings were performed to provide additional coverage near the backup emergency generator/AST west of the loading dock and to evaluate the lateral extent of ETPH-impacted soil detected above the RDEC at boring B10. ETPH was not detected in soil samples collected from the borings.

6.5.2 **REC 3** – Historical Barn/Warehouse Fire

Eighteen borings were completed in the southern portion of the Site where a barn/warehouse/office was formerly located and near a former fuel oil UST as follows:

- Borings B24A, B55, B56 and B57 were completed northeast of the barn to evaluate the extent and degree of PAH and pesticide contamination detected at B24/MW6 0-2 ft.
- Borings B42 and B43 were completed in an apparent outdoor storage area northwest of the barn to provide additional coverage near B30 and B31.
- Borings B27A, B44 through B54 were completed within and near the footprint of the former barn to evaluate the extent and degree of VOCs, ETPH, PAH, pesticides and metals contamination at B26 through B29 and L1985-8, L1985-9, L1985-10MW.

The samples were analyzed for VOCs, ETPH, SVOCs, PAHs, pesticides and/or RCRA 8 metals plus copper, nickel, and zinc. Select samples were also tested for leachable PAHs, pesticides and/or metals. COCs were not detected in the samples except as follows:

- The VOC, 2-butanone (methyl ethyl ketone, MEK) was detected in samples B27A 2-4 fbg and B47 2-4 fbg at concentrations below RSR criteria. Acetone was also detected at concentrations below RSR criteria in sample B47 2-4 fbg.
- Several PAHs were detected in samples B56 2-4 fbg and 4-6 fbg at concentrations above the RDEC and GA PMC. The sample B56 2-4 fbg was tested for leachable PAHs to evaluate compliance with the GA PMC and leachable phenanthrene was detected below the GWPC.
- Lower levels of PAHs were detected in samples B27A 2-4 fbg, B44 2-4 fbg, B45 0-2 fbg and 4-6 fbg, B46 2-4 fbg. B47 2-4 fbg, B48 4-5 fbg, B52 4-6 fbg, B54 6-8 fbg, B55 0-2 fbg and B57 0-2 fbg at concentrations below RSR criteria.
- Pesticides (including dieldrin, chlordane, DDD, DDT and/or DDE) were detected in samples B24A 2-4 fbg and 4-6 fbg, B42 0-2 fbg, B43 0-2 fbg, B44 2-4 fbg, B47 8-9.5 fbg, B50 0-2 fbg, B53 0-2 fbg, B55 0-2 fbg, B56 2-4 fbg and B57 0-2 fbg at concentrations above the GA PMC. The chlordane concentration in B55 0-2 fbg also exceeded the RDEC. Nine of the eleven samples were tested for leachable pesticides to evaluate compliance with the GA PMC and leachable pesticides were either not detected or detected below the GWPC.
- Lower levels of pesticides (including dieldrin, chlordane, DDD, DDT and/or DDE) were detected in B42 12-14 fbg, B44 16-18 fbg and B57 2-4 fbg at concentrations below the RDEC and GA PMC.
- Metals were either not detected or reported at concentrations within the naturally-occurring ranges present in uncontaminated soil with the following exceptions:
    - Elevated concentrations of lead were present in B44 2-4 fbg and 4-6 fbg and B49 4-6 fbg. The samples were tested for one or more leachable metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver and/or zinc) to evaluate compliance with the GA PMC. Leachable metals were either not detected or were below the GA PMC except for leachable lead in sample B44 2-4 fbg.

- Elevated concentrations of arsenic, barium, chromium and nickel were present in B47 8-9.5 fbg and B48 4-5 fbg. An elevated concentration of arsenic was present in B51 6-7.5 fbg. Samples B42 0-2 fbg, B48 4-5 fbg, B49 6-8 fbg, B50 6-8 fbg and B51 6-7.5 fbg were tested for one or more leachable metals to evaluate compliance with the GA PMC. Leachable metals were either not detected or were below the GA PMC.

6.5.3 **AOC 8** – Former Barns in the Central and Southeastern Portions of the Site

Four borings were completed at and near the barn in the southeastern portion of the Site (AOC 8) to provide additional coverage where low-level PAH contamination was detected in surficial soil at B20 and to evaluate the nature, extent and degree of pesticide-impacted soil at B20 that exceeded the RDEC. Soil samples collected from B20A, B59, B60 and B61were analyzed for PAHs and/or pesticides.

COCs were not detected in samples except as follows:

- Pesticides were detected in sample B20A 2-4 fbg at concentrations below RSR criteria.
- Pesticides (chlordane, DDD, DDE and/or DDT) were detected in samples B59 0-2 fbg, B60 0-2 fbg and 2-4 fbg, B61 0-2 fbg and 2-4 fbg at concentrations above the GA PMC. The samples were tested for leachable pesticides to evaluate compliance with the GA PMC. Leachable pesticides were not detected or were below the GWPC.
- One or more PAHs were detected in samples B59 0-2 fbg, B60 0-2 fbg and B61 2-4 fbg at concentrations below RSR criteria.
- Several PAHs were detected in sample B61 0-2 fbg at concentrations above the RDEC and GA PMC.

6.5.4 **AOC 4** – Suspected Dumping Area

Three borings were completed near the southeastern corner of the Site to evaluate the lateral extent of PAH, pesticide, leachable pesticides and lead contamination detected in borings L1985-11, B21 and B22. Soil samples collected from B62, B63, and B64 were analyzed for one or more of the following: VOCs, PAHs, pesticides, leachable pesticides and leachable lead.

COCs were not detected in samples except as follows:

- Several PAHs were detected in sample B64 0-2 fbg with some concentrations above the RDEC and GA PMC.
- Several PAHs were detected in samples B62 0-2 fbg, B63 0-2 fbg and B64 2-4 fbg at concentrations below applicable RSR criteria.
- Pesticides (chlordane, dieldrin, DDT and/or DDE) were detected in samples B62 0-2 fbg and B64 0-2 fbg at concentrations above the GA PMC. Chlordane in B64 0-2 fbg also exceeded the RDEC. The samples were tested for leachable pesticides which were not detected with the exception of dieldrin in B64 0-2 fbg above the GWPC.
- Leachable lead was not detected and below the GA PMC in samples B62 0-2 fbg, B63 0-2 fbg and B64 0-2 fbg.

6.6 Groundwater Analytical Results

A summary of the results of groundwater sampling and the laboratory analytical reports are presented in **Table 3** and **Appendix E**, respectively.

Groundwater samples collected from 11 monitoring wells on the Site (B1/MW1, B2/MW2, B3/MW3, B4/MW4, B5/MW5, B23/MW7, B24/MW6, L1985-3MW, L1985-5MW, L1985-6MW, and L1985-10MW) were analyzed for one or more of the following: ETPH, SVOCs or PAHs, VOCs, alcohols, glycols, RCRA 8 metals plus copper, nickel, and zinc, pesticides, 1,4-Dioxane and PFAS. COCs were not detected in samples except as follows:

- Total barium was detected in seven wells (B3/MW3, B4/MW4, B5/MW5, L1985-3MW, L1985-5MW, L1985-6MW and L1985-10MW) at concentrations below criteria and within the range occurring naturally in uncontaminated groundwater.
- Total nickel was detected in L1985-5MW at a concentration below the GWPC and SWPC.
- Total chromium was detected in L1985-3MW above the GWPC.
- Pesticides dieldrin and heptachlor epoxide were detected in groundwater collected from L1985-3MW with heptachlor epoxide concentration below RSR criteria and dieldrin concentration above the GWPC.
- PFAS compounds were detected in all of the groundwater samples except B23/MW7. The total of PFAS compounds with regulatory criteria (sum of perfluoroheptanoic acid (PFHpA), perfluorohexane sulfonic acid (PFHxS), perfluorononanoic acid (PFNA), perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA)) ranged from not detected in L1985-6MW to 55 nanograms per liter (ng/L) in B4/MW. All concentrations are below the GWPC of 70 ng/L. SWPC, RVC and I/C VC are not established which, when established, will apply to the Site.
- In addition, up to four PFAS compounds which do not have established criteria were also detected in the majority of samples, with the total of these compounds ranging from 8.2 to 30 ng/L. Groundwater remedial criteria (GWPC, SWPC, RVC or I/C VC) for these PFAS compounds have not yet been established which, if and when established, will apply to the Site.

6.7 AOC 5 – Former JDS Uniphase Operations - Sub-Slab Soil Vapor Analytical Results

A summary of the sub-slab soil vapor sampling results and the laboratory analytical reports are presented in **Table 4** and **Appendix F**, respectively.

Vapor samples were collected from 18 SSVPs and tested for VOCs, including 1,4-dioxane, to evaluate the quality of vapor beneath the building, and to evaluate the presence of a potential source of soil or groundwater contamination beneath the building associated with the former JDS operations (AOC 5). VOCs were not detected in the samples except as follows:

- Acetone was detected below the Res SVVC and I/C SVVC in samples SV-8 and SV-12 at concentrations of 18.2 parts per billion-volume (ppbv) and 12.3 ppbv, respectively.
- Ethanol was detected in all of the vapor samples except for SV-10 at concentrations ranging from approximately 6 to 59 ppbv. Remedial criteria have not been established for this compound.

6.8 Data Quality Assessment (DQA) and Data Usability Evaluation (DUE)

The soil, groundwater, and soil vapor analytical data were generated in accordance with the Connecticut RCPs. The RCP reports are presented in each laboratory analytical data report, which are included in **Appendices D, E, and F**. The purpose of the RCP is to provide quality data and allow the evaluation of whether the results are of sufficient quality for the intended purpose and in relation to project-specific objectives. The objective of testing is to evaluate the nature, degree and extent of releases identified during the Phase II and III environmental site assessments.

To validate the data, a data quality assessment and data usability evaluation (DQA/DUE) of the analytical data was conducted in general conformance with the CTDEEP "Laboratory Quality Assurance and Quality Control – Data Quality Assessment and Data Usability Evaluation Guidance Document," dated May 2010 and revised in April 2024. The DUE forms completed for soil, groundwater and soil vapor laboratory reports are included in **Appendices D, E and F**.

As part of the evaluation, the laboratory reports were reviewed to ensure that all sample and associated quality assurance results were available. Results of the completeness review indicated that all collected samples were analyzed and all quality control results were available to complete the data validation process.

Consistent procedures and laboratory analyses of the samples were achieved. Sample containers were packed on ice and delivered to the laboratory under standard chain of custody procedures. All samples were received within the allowable temperature range, and were extracted and analyzed within allowable holding times for the methods with the exception of the following:

- Soil samples B24A 4-6 fbg, B56 2-4 fbg B60 2-4 fbg and B61 2-4 fbg. were analyzed for leachable pesticides a couple of days past hold time. Leachable pesticides were not detected in the samples. The pesticides present at the Site persist in the environment for many years without degradation and the data are therefore usable.

Results of the DQA/DUE indicate that the analytical data for the Site are of adequate quality for the intended objectives. Minor non-conformances were noted that do not affect data usability.

7.0 SUMMARY, CONCEPTUAL SITE MODEL AND RECOMMENDATIONS

7.1 Introduction

ZUVIC was retained by Eversource to complete a Supplemental Investigation of the Eversource Call/Data Center located at 1985 Blue Hills Avenue Extension, Windsor, Connecticut. The purpose of the Supplemental Investigation is to further evaluate AOCs 4, 5, 6, and 8 and REC 3 and site-wide groundwater quality to better define the nature, degree and extent of contamination at those AOCs and REC. The work was completed based on the results of previous Phase I, II and III ESAs.

The work completed included the advancement of soil borings and sampling and testing of soil, groundwater, and vapor.

Using the information from this and previous investigations, the conceptual site model (CSM) of those AOCs and REC that were evaluated during this investigation was refined. The CSM is used to understand the history of the Site, the releases that have occurred at the Site, the fate and transport of soil and groundwater contamination, and its potential impact on sensitive receptors in the site vicinity. A summary of the recognized environmental conditions and areas of concern is presented in Table 5.

7.2 Background Information

The Site located at 1985 Blue Hills Avenue Extension in Windsor, CT is developed with a single story 165,000 square foot masonry / slab on grade building currently used by Eversource as office space and a call/data center. The building is surrounded by asphalt parking lots and landscaped areas.

Historically, the Site was used for agricultural purposes (cultivation of tobacco), presumed drying of tobacco in two barns, storage of chemicals used for agricultural purposes in a third barn, and residential dwellings. The Site was developed with the current building in 2001 and occupied by JDS until 2004 when Eversource occupied the building for use as office space for a call/data center.

The property is an “establishment,” subject to the Connecticut Transfer Act (CGS Section 22a-134 through 22a-134e). The “establishment” determination was based on documentation of former hazardous waste generation by JDS.

The property was transferred on December 1, 2021 to Eversource and was entered into the Property Transfer Program in December 2021 with an acknowledgement of receipt issued by the CTDEEP in March 2022. Eversource is the Certifying Party to the transfer, and as such, is responsible for investigation and remediation of the Site. The CTDEEP assigned REM ID No. 14862 to the Site.

7.3 Summary of Conditions at AOCs 4, 5, 6 and 8 and REC 3

For this investigation, soil sample intervals selected for laboratory analyses, soil and groundwater sampling locations, and analytical parameters were based on each REC/AOC release mechanism, COCs, and contaminants released as identified during previous ESAs.

A description of the CSM for each of the identified RECs/AOCs is presented in **Table 5**, and data generated, and observations made during this, and prior investigations for AOCs 4, 5, 6 and 8 and REC 3, are presented below. Details of the CSM for the other AOCs and RECs are presented in the Phase II/III report.

7.3.1 **AOC 6** – Emergency Generator Diesel ASTs

Two backup emergency generators equipped with diesel storage tanks are present at the Site, one in the parking lot southwest of the building and one adjacent to the south wall of the building, west of the loading dock area. June 2017 records indicate that a hose on one of the generators failed leading to a release of approximately 40-gallons of coolant inside the generator enclosure. Approximately 5-gallons of coolant seeped through seams of the enclosure onto a concrete pad and gravel near the enclosure and represents REC 2. It is unknown which of the two generators experienced the release.

Note that REC 2 and AOC 6 are co-located but involve different COCs. REC 2 is not discussed herein since it was not evaluated during the Supplemental Investigation. COCs identified for REC 2 are glycols which were not detected in Phase II or Phase III soil samples. Sufficient investigation has been completed to conclude that a release to the environment has not occurred. Additional evaluation and remediation are not warranted at REC 2.

Phase II ESA samples collected from borings L1985-1, -7, and -13, Phase III samples from B9, B10, B11 and B32 and Supplemental Investigation samples from B40, B41 and B58 were used to evaluate AOC 6. COCs are VOCs, ETPH and PAHs.

Low-level ETPH contamination is present in surficial soil at L1985-1, located near the loading docks east of the backup emergency generator and adjacent to the south wall of the building; PAHs were not detected in the sample. ETPH was not detected in surficial soil or in soil collected from 8 to 10 fbg at B58, located south of L1985-1. The surficial contamination by L1985-1 is likely related to incidental releases from the normal operation of motor vehicles at AOC 1 (Loading Dock Area). Sufficient investigation has been completed to conclude that a low-level release to the environment has occurred that does not require remediation. Additional evaluation and remediation are not warranted in connection with the ETPH detection in L1985-1.

Low levels of PAHs or ETPH were detected in surficial soil collected from L1985-7 (near the emergency generator/AST southwest of the building), and L1985-13, B9, and B32 (near the emergency generator west of the loading docks). The contamination is likely related to placement of contaminated fill during installation of the generator enclosures. Sufficient investigation has been completed to conclude that a low-level release to the environment has occurred that does not require remediation. Additional evaluation and remediation are not warranted.

Surficial soil samples collected from Phase III borings near the generator southwest of the building (B10 and B11) did not contain detectable PAHs, however ETPH was detected in sample B10 0.3-1 fbg above the RDEC and GA PMC potentially related to a release during refueling of the generator. Leachable ETPH was not detected in the sample, demonstrating compliance with the PMC. The ETPH release at B10 was delineated vertically by sample B10 1-3 fbg and laterally by samples B40 0.3-1 fbg and B41 0.3-1 fbg, in which ETPH was not detected. The nature, extent and degree of ETPH contamination has been sufficiently delineated and remediation is warranted near B10.

7.3.2 **REC 3** – Historical Barn/Warehouse and Fire

A former barn/warehouse was located in the southern portion of the Site and was destroyed in May 1994 by a structure fire that was suppressed using water. The structure was used for storing pesticides, herbicides, and other chemicals, and as office space in its eastern end. Following the fire, samples of air, surface wipes, water runoff from the fire suppression, and surficial soil were analyzed for pesticides. According to previous documentation, pesticides were detected in one water runoff sample.

An approximately 6,750-gallon heating oil UST (AOC 7) was reportedly located north of the northeastern corner of the barn/warehouse. Some of the borings completed during the Supplemental Investigation are located near AOC 7 but were not tested for COCs associated with the UST since previous investigations were sufficient to evaluate the nature, extent and degree of contamination associated with the UST.

In addition, aerial photographs indicate that an outdoor storage area was present near the northwestern corner of the barn

Phase II soil samples collected from borings L1985-8, -9, and -10MW were used to evaluate soil apparently within the footprint of the former barn/warehouse. Phase II borings B24/MW6 and B25 were used to evaluate soil and groundwater near the former UST. Soil samples from the borings contained low-level PAHs potentially related to asphalt, and pesticide impacts likely associated with the barn. Phase III and Supplemental Investigation borings included B24A, B26, B27, B27A, B28, B29 and B44 through B57 within, or near the footprint of the barn, and borings B30, B31, B42 and B43 in the outdoor storage area.

COCs for REC 3 include VOCs, ETPH, SVOCs, pesticides, herbicides and RCRA 8 metals plus copper, nickel, and zinc.

Fill materials, including non-native red-brown soil and/or non-soil materials (asphalt, coal, brick, concrete, glass, and ash) was encountered from ground surface to approximately 8.5 fbg in borings L1985-8, L1985-10, B27, B29, B45, B48, B49, B51 and B56. A presumed basement concrete floor associated with the former barn/warehouse building was encountered in borings L1987-8, L1985-10, B26, B27, B27A, B29, B45, B47, B48 and B51 at various depths between approximately 6 and 10 fbg. The shallower depths of concrete may be remnants of foundation walls that were pushed into the basement after the fire.

Based on material encountered in B24/MW6, B25, B55, B56 and B57, these borings are located outside the former barn footprint. B29, B49 and B51 are within an “entrance/exit” structure on the north side of the barn, apparent in aerial photographs. B50 appears to be located outside the northwest corner of the “entrance/exit”. B28 and B44 are located west of the barn footprint and L1985-9, B53 and B54 are apparently located within the office area that was constructed between 1935 and 1941 at the eastern end of the building which may have been a slab-on-grade addition, without a basement. It appears that at least a portion of the demolished structure and imported fill material were placed inside the footprint of the barn to backfill the basement and may have also been spread and placed northeast of the structure in the vicinity of B56.

The VOC, acetone was detected in soil samples L1985-10MW 1-3 ft. and B47 2-4 fbg at concentrations below RSR criteria. The apparent acetone contamination may be related to laboratory-induced contamination. The SVOC, isophorone was detected in soil sample B26 8-10 fbg at a concentration below RSR criteria. This sample was collected just below the apparent concrete floor of the basement and the isophorone is likely a result of a chemical reaction between concrete in the sample and acetone used by the laboratory and not related to a release.

Herbicides were not detected in soil samples.

Low-level VOC (naphthalene, xylenes and/or MEK) contamination was detected in samples B27 2-4 fbg, B27A 2-4 fbg and B47 2-4 fbg at concentrations below RSR criteria. The contamination may be due to the presence

of demolished building materials, potentially containing materials that were stored in the basement prior to the fire.

Low-level ETPH and/or PAH contamination were detected in surficial soil near L1985-9, L1985-10MW, B24/MW6, B45, B55, B57 and in deeper soil at B26 8-10 fbg, B27A 2-4 fbg, B28 6-8 fbg, B29 6-8.5 fbg, B44 2-4 fbg, B45 4-6 fbg, B46 2-4 fbg, B47 2-4 fbg, B48 4-5 fbg, B52 4-6 fbg and B54 6-8 fbg, at concentrations below RSR criteria. Soil collected from B26 5-7.5 fbg and B27 2-4 fbg contain ETPH and SVOCs, respectively, at concentrations above the RDEC, I/C DEC and/or GA PMC. Leachable SVOCs/PAHs in the B27 sample and leachable ETPH in the B26 sample were below the GWPC, demonstrating compliance with the PMC.

The ETPH release at B26 was delineated vertically by sample B26 8-10 fbg in which ETPH was not detected and laterally by B52 4-6 fbg, B53 6-8 fbg and B54 6-8 fbg. The SVOC release at B27 was delineated vertically by samples B27A 4-6 fbg and B27 6-7.5 fbg and laterally by B47 2-4 fbg, B48 2-4, B48 4-5 fbg and B52 4-6 fbg, in which SVOCs/PAHs were either not detected or detected below RSR criteria. Remediation is required near B26 and B27 and the releases are sufficiently delineated vertically and laterally to proceed with remediation.

PAHs were also detected above the RDEC, I/C DEC and/or GA PMC in soil samples outside the northeast corner of the presumed barn/warehouse footprint from B56 2-4 fbg and B56 4-6 fbg. Leachable PAHs in the 2 to 4 fbg sample were below the GWPC, demonstrating compliance with the PMC. The 4-6 fbg sample was not tested for leachable PAHs, however concentrations of PAHs in the sample were below or similar in concentrations to PAHs detected in B27 2-4 fbg, therefore soil from B56 4-6 fbg is likely compliant with the PMC. PAH contaminants encountered in B56 may be attributed to the presence of demolished/burned building materials containing ash and brick or imported backfill that was used to backfill the footprint of the former barn/warehouse and likely spread out in the vicinity of B56 prior to the area being paved. The release at B56 was partially delineated laterally by samples B24A 2-4 fbg, B25 2-4 fbg and B55 0-2 fbg. Remediation is required near B56, and the release is sufficiently delineated laterally in most directions. Additional evaluation to delineate the vertical and lateral extent of contamination in this area may be desired prior to remediation.

Pesticides, and in some cases, elevated metals (arsenic, barium, cadmium, chromium, lead and/or nickel), were detected in soil in and near the footprint of the barn in surficial soil at B24/MW6, B50, B53, B55 and B57 and in deeper soil at B24A 2-4 and 4-6 fbg, B27 2-4 fbg, B28 6-8 and 16-18 fbg, B29 6-8.5 fbg, B44 2-4 and 16-18 fbg, B47 8-9.5 fbg and B56 2-4 fbg; concentrations in most cases exceed the GA PMC. Leachable pesticides in the samples tested were below the GWPC, including those with some of the highest concentrations of total pesticides, demonstrating compliance with the PMC.

The chlordane concentration in samples B24/MW6 0-2 fbg and B55 0-2 fbg (near the northeast corner of the barn) are above the RDEC. The pesticide releases at B24/MW6 and B55 were delineated vertically by samples B24A 2-4 fbg and B25 2-4 fbg and laterally by samples B57 0-2 fbg and B56 2-4 fbg. Remediation is required near B24/MW6 and B55 and the pesticide contamination is sufficiently delineated vertically and laterally in most directions to proceed with remediation.

Total metals were either not detected or reported at concentrations within the ranges of naturally-occurring levels present in uncontaminated soil except for elevated concentrations of arsenic, barium, cadmium, chromium, lead, mercury, nickel and/or zinc in L1985-9, L1985-10MW, B26, B48 and B51. Where tested, these samples did not contain detectable pesticides.

Leachable metals in the tested samples are compliant with the GA PMC except as described below.

Total arsenic in sample B29 6-8.5 fbg exceeds the RDEC and I/C DEC and leachable arsenic and lead exceed the GA PMC. The metals exceedances in B29 were delineated vertically by soil sample B29 9-11 fbg and laterally by soil samples B50 6-8 fbg, B51 6-7.5 fbg, B49 4-6 fbg and B49 6-8 fbg. Remediation is required near the boring and the contamination is sufficiently delineated vertically and laterally to proceed with remediation.

The leachable lead concentration in soil sample B44 2-4 fbg exceeds the GA PMC. The exceedance is delineated vertically by B44 4-6 fbg and partially delineated laterally by B28 6-8 fbg. Additional evaluation to delineate the lateral extent of contamination in this area may be desired prior to remediation

The ETPH, PAH, pesticide and metals contaminants co-occur in backfill material that is within the footprint of the barn. The contamination is attributed to the presence of demolished building materials including ash, and potentially containing materials that were stored in the basement prior to the fire. The contaminated material requiring remediation is likely irregular and may occur throughout the entire barn footprint.

Evidence of a surficial pesticide release in the vicinity of the outdoor storage area near the northwest corner of the barn was identified based on surficial soil samples tested from B31, B42 and B43.

Surficial samples collected from B31, B42 and B43 that contained total pesticides above the GA PMC were tested for leachable pesticides with the results below the GWPC, demonstrating compliance with the PMC. The pesticide release to surficial soil by B31, B42 and B43 has been sufficiently delineated and no further evaluation is warranted.

In addition, a deeper soil sample collected from 12 to 14 fbg at B42 contained total pesticides below applicable criteria. The contamination in the deeper sample may be due to releases near B31, B42 and B43 or from a release associated with an unknown source or off-site source located upgradient of the former outdoor storage area.

Samples collected at B28 6 to 8 fbg and below the water table at B28 16 to18 fbg and B44 16-18 fbg, located outside of the barn foundation and downgradient of release area at B31, B42 and B43, contained total pesticides in some cases, above the GA PMC. Leachable pesticides in the samples were below the GWPC, demonstrating compliance with the PMC. The contamination at B28 and B44 may be related to pesticide storage at or near the two borings if outdoor storage area encompassed the area immediately west of the building or to an off-site source located upgradient of these borings that resulted in down gradient, soil-adsorbed contamination below the water table. Based on the current data, remediation is not required, however additional investigations are warranted.

7.3.3 AOC 8 – Former Barns in the Central and Southeastern Portions of the Site

The western and central portions of the Site were used for tobacco cultivation from before 1943 through the 1990s. In addition, three barns were located at the Site, one of which was located near the southern property line and reportedly used for chemical storage (see REC 3). The other barns are assumed to have been used for tobacco drying and were located in the southern portion of the stormwater detention basin and near the central portion of the current building.

The Supplemental Investigation was conducted to further evaluate impacted soil near the barn in the southern portion of the stormwater detention basin. Phase III borings B19 and B20 and Supplemental Investigation borings B20A, B59, B60 and B61 were used to evaluate the AOC.

COCs identified for AOC 8 are VOCs, ETPH, SVOCs, pesticides, herbicides and RCRA 8 metals plus copper, nickel, and zinc.

ETPH, VOCs and herbicides were not detected in samples collected at AOC 8. Total metals were either not detected or reported at concentrations within the ranges of naturally-occurring levels present in uncontaminated soil.

Pesticides DDD, DDT and/or DDE were detected above the GA PMC in surficial soil at B19, B20, B59, B60 and B61. Leachable pesticides were either not detected or detected below the GWPC, demonstrating compliance with the GA PMC.

Chlordane was detected in B20 0-2 fbg at a concentration above the RDEC and remediation is warranted. The pesticide release was delineated vertically by sample B20A 2-4 fbg and laterally by samples B59 0-2 fbg, B60 0-2 fbg and B61 0-2 fbg.

One of more PAHs were detected in B20 0-2 fbg, B59 0-2 fbg, B60 0-2 fbg and B61 0-2 and 2-4 fbg. The concentrations in B61 0-2 fbg are above the RDEC. The contamination does not appear to be due to storage of chemicals inside the former barn since the same PAHs, with similar ratios, were detected in samples collected in the northwestern portion of the stormwater detention basin, approximately 200 ft. from the former barn location, and in the suspected dumping area (AOC 4), approximately 150 ft. west of the former barn. The PAHs in all three locations are likely related to impacts from stormwater containing PAHs leached from asphalt parking areas and the roadway.

The PAH release at B61 was delineated vertically by sample B61 2-4 fbg and partially delineated laterally by samples B20 0-2 fbg and B60 0-2 fbg. The release is sufficiently delineated to complete remediation, however additional delineation may be desired prior to remediation.

7.3.4 AOC 4 – Suspected Dumping Area

Historical dumping was identified to have occurred throughout the Site as indicated in a 2000 Phase I ESA reviewed by Stantec during its completion of the 2021 Phase I ESA. In 2021, Stantec observed a sign near the southeastern corner of the Site that read “No Dumping”. Small amounts of trash were observed in this area indicating that dumping had occurred in the area.

COCs identified for AOC 4 include VOCs, ETPH, SVOCs, PCBs, pesticides, herbicides, and RCRA 8 metals plus copper, nickel, and zinc.

Phase II boring L1985-11, Phase III borings B21, B22, and B23/MW7 and Supplemental Investigation borings B62, B63 and B64 were used to evaluate this AOC.

VOCs were not detected in surficial samples collected from the borings.

Surficial soil samples collected from L1985-11, B21, B22, B23/MW7, B62, B63 and B64 contained PAHs, ETPH, and/or pesticides at concentrations below applicable RSR criteria, and metals concentrations were within the ranges of naturally-occurring levels present in uncontaminated soil with the following exceptions:

- PAHs concentrations in B21 and B64 are above the RDEC and GA PMC; leachable PAHs were not detected in sample B21 demonstrating compliance with the PMC. Total arsenic and lead were elevated in B21, but below criteria.
- Leachable lead in B23/MW7 exceeds the GA PMC and an elevated level of total mercury was present, below criteria.
- Pesticides were present in B21, B22, B23/MW7, B62 and B64 at concentrations above the GA PMC; leachable pesticides were below the GWPC demonstrating compliance with the PMC with the exception of dieldrin in B23/MW7 and B64. Dieldrin was also present in B64 at a concentration above the RDEC.

The PAH, metals and/or pesticide exceedances in B21, B23/MW7 and B64 were delineated vertically by soil samples collected from 2-4 fbg. Remediation is required near the borings and the releases have been sufficiently delineated vertically and laterally in most directions to proceed with remediation.

7.3.5 AOC 5 – Former JDS Uniphase Site Operations

The Site was developed with the current site building circa 2000 and occupied by JDS until 2004 when the building was occupied by Eversource for use as office space and a call/data center. JDS manufactured fiber optic components. Areas where JDS may have used and managed chemicals included two production areas, a clean room, and loading dock area at locations shown on Figure 5.

JDS was a SQG of hazardous waste, including ignitable waste, corrosive acids, corrosive bases, spent halogenated and non-halogenated solvents, bisphenol (epoxy adhesive), chromium, silver, lead, alcohols, acetone, chlorobenzene and toluene. Chemicals used in JDS processes include degreasers, silver-containing solutions, potassium iodine gold etch, acids and caustics.

Phase III and Supplemental investigations included borings and monitoring wells located along the downgradient southern and eastern sides of the building (B1/MW1, B2/MW2, B3/MW3, B4/MW4, B5/MW5 and L1985-3MW), borings completed in the southeastern portion of the building in the JDS clean room (B35 through B39), and soil vapor samples collected throughout JDS production and clean room areas and the loading dock (SV-1 through SV-18).

COCs identified for AOC 5 include VOCs, ETPH, SVOCs, alcohols, and RCRA 8 metals plus copper, nickel, and zinc. In addition, 1,4-dioxane and PFAS are COCs since former manufacturing of fiber optic components may have used or generated wastes containing these emerging contaminants.

Surficial and water table soil samples collected from B1/MW1 through B5/MW5 did not contain detectable VOCs, ETPH, SVOCs or alcohols and metals concentrations were within the ranges of naturally-occurring levels present in uncontaminated soil with the following exceptions:

- Low levels of PAHs in surficial, or near-surface, samples from B1/MW1, B4/MW and B5/MW, below criteria.

The apparent PAH contamination in soil at the above locations near the building may be due to placement of contaminated soil as backfill during construction of the building or to leaching of PAHs from pavement (at B1/MW1). These detections are not attributed to JDS operations inside the building. Remediation or additional evaluation of the apparent contamination is not warranted.

Groundwater collected from the wells did not contain detectable concentrations of VOCs, ETPH, SVOCs, PFAS, alcohols or metals with the following exceptions:

- Barium was detected in the majority of samples, at concentrations within the range which occurs naturally in groundwater.
- PFAS compounds were detected in all of the samples at concentrations ranging from 8.5 ng/L to 55 ng/L. The highest concentrations were detected in L1985-3MW and B4/MW4, located near the southeastern corner of the building downgradient of the largest Production Area, the Clean Room and the loading area. Note that these concentrations are the sum of compounds (PFHpA, PFHxS, PFNA, PFOS and PFOA) which have established soil remediation criteria and an established GWPC of 70 ng/L. The reported concentration sums were below the GWPC. In addition, there were two or three other PFAS compounds detected which do not have established groundwater criteria. Perfluorodecanesulfonic acid (PFDS) was not detected in groundwater samples despite its presence in one soil sample (discussed below). Note that other groundwater remedial criteria (SWPC, RVC or I/C VC) for PFAS have not been established which, when established, would apply to the Site.
- The SVOCs 2-methyl phenol, 3+4 methyl phenol and benzyl alcohol were detected previously in groundwater collected from L1985-3MW, located near the loading docks, at concentrations below applicable RSR criteria, where established. The presence of these compounds may be associated with

former JDS operations at the site. SVOCs were not detected in the most recent round of groundwater samples.

Phase III soil samples collected inside the building did not contain detectable concentrations of VOCs, 1,4-dioxane, ETPH, SVOCs, PFAS or alcohols and metals concentrations were within the ranges of naturally-occurring levels present in uncontaminated soil with the following exception:

- PFDS was detected at 0.11 µg/kg in B36 0.5-1.5 fbg; PFAS were not detected in a deeper sample from the boring or in borings northeast and south-southwest of the boring. The location of the boring is shown on Figure 5.
- Elevated levels of cadmium, chromium, and nickel were detected in sample B36 0.5-1.5 fbg at concentrations below applicable RSR criteria.

Remedial criteria for PFDS have not been established.

The nature, extent and degree of PFAS contamination in soil has been sufficiently evaluated and remediation is not required based on the existing data.

Sub-slab soil vapor samples were collected from vapor points and tested for VOCs, including 1,4-dioxane, to indicate where potential soil or groundwater source areas may be present associated with the former JDS operations.

Nine VOC compounds, including 1,4-dioxane, acetone, MEK, ethanol, isopropyl alcohol, ethylbenzene, xylenes (m-, p- and o-), and PCE) were detected in soil vapor collected from one or more of the SSVPs in November 2023 (during the heating season), whereas only acetone and ethanol were detected in vapor collected during the cooling season in August 2024. The concentrations detected during the sampling are below residential and industrial/commercial soil vapor volatilization criteria, where established.

Since the results of testing during the two sampling events are vastly different, a third round of sampling is planned during the 2024/2025 heating season to determine whether detections reported in November 2023 are representative.

7.3.6 Site-Wide Groundwater Quality

Depths to groundwater measured in May 2021 at L1985-3MW, -5MW, -6MW and -10MW ranged from approximately 10.6 to 17.3 fbg. Depths to groundwater measured on September 21, 2023 at Phase II/III wells ranged from approximately 8.9 to 15.6 fbg. Depths to groundwater measured on May 13, 2024 at the wells ranged from approximately 7.3 to 14.0 fbg. Depths measured in May 2024 were approximately three feet shallower compared to May 2021 and the May 2024 data may represent the seasonal high water table. Depth to groundwater during the seasonal low water table, typically September or October, is unknown since the depths to water measured in May 2021 (typical high water time period) were significantly lower than measured in September 2023.

Groundwater flow on all three occasions was toward the southeast, generally consistent with expected groundwater flow based on mapped drainage basin information summarized in Section 4.

Groundwater samples collected in September 2023 and/or May 2024 from the site-wide monitoring wells were analyzed for one or more AOC-specific COCs, including VOCs, 1,4-dioxane, ETPH, SVOCs, herbicides, pesticides, alcohols, glycols, PFAS and RCRA 8 metals plus copper, nickel and zinc, Contaminants were not detected in groundwater with the exceptions described above, specific to individual AOCs and RECs. Other results are discussed below.

ETPH was detected in groundwater collected in May 2021 from L1985-5MW and L1985-6MW, and copper, lead, and nickel were detected in groundwater collected from L1985-6MW. All concentrations are below the GWPC and SWPC with the exception of ETPH in L1985-6MW, which exceeded the GWPC, SWPC, RVC and the I/C VC. Based on groundwater sampling logs provided in the Phase II report, samples collected from L1985-5MW and -6MW were turbid which may have resulted in the apparent groundwater contamination due to soil-adsorbed contaminants in samples. Samples collected in September 2023 and May 2024 from these wells were not turbid, and ETPH and elevated levels of metals were not detected with the exception of nickel in L1985-5MW, detected at a concentration below the GWPC and SWPC during May 2024. The well is located near the northeastern corner of the building and groundwater beneath the northeastern portion of the building may flow toward the well.

Total chromium was detected in groundwater collected in May 2024 from L1985-3MW at a concentration slightly above the GWPC. The well is located in the loading area outside the southeastern portion of the building and downgradient of the southeastern portion of the building. In addition, dieldrin and heptachlor epoxide were detected in groundwater collected from the well with heptachlor epoxide below RSR criteria and dieldrin above the GWPC. Chromium and pesticides were not detected in groundwater collected from this well during previous sampling rounds and may represent a transient condition related to past agricultural use of the Site and upgradient properties. Future groundwater sampling events will be performed to evaluate these exceedances in L1985-3MW following remediation.

7.4 Data Gaps

The CTDEEP SCGD requires the identification and evaluation of data gaps, which are defined as a lack of, or inability to obtain, information required by standard practice despite good faith efforts by the environmental professional to gather such information. No data gaps were identified while performing this Supplemental Investigation. The source of pesticides in soil samples collected below the water table at B28, B42 and B44 is unknown. Additional evaluation to determine the source is required.

8.0 RECOMMENDATIONS

Based on the results of the Supplemental Investigation, release areas that were identified during previous Phase I/II/III ESAs have been sufficiently delineated and the following AOCs/RECs require remediation, at and near the noted borings for contaminants which exceed remedial criteria.

- AOC 6 - Emergency generator AST southwest of the building - ETPH in soil near B10, from ground surface to approximately 1 fbg.
- REC 3 - Barn/Warehouse - ETPH, PAHs, total and leachable arsenic and leachable lead in soil inside the barn foundation and near B26, B27 and B29 from ground surface to as deep as 8.5 fbg. Contaminants exceeding remedial criteria may be present within the entire barn foundation.
- REC 3 – West of Barn/Warehouse – leachable lead in soil near B44, from ground surface to approximately 4 fbg.
- REC 3 – Northeast of Barn/Warehouse - pesticides in soil near B24/MW6 and B55, from ground surface to approximately 2 fbg and PAHs in soil near B56, from ground surface to at least 6 fbg
- AOC 8 – Southeastern former tobacco barn - pesticides in soil near B20, from ground surface to approximately 2 fbg and PAHs in soil near B61, from ground surface to 2 fbg.
- AOC 4 – Dumping area – PAHs in soil near B21 and B64 and pesticides, leachable lead and/or leachable pesticides in soil near B23/MW7, B62 and B64, from ground surface to approximately 2 fbg.

Additional investigations may be desired near borings listed above to further evaluate the extent of contaminants exceeding remedial criteria prior to remediation. The approximate limits of soil exceedance areas are shown in Figure 6.

Additional assessment is required in connection with AOC 5 (JDS operations).

Pesticide concentrations detected in soil samples collected throughout the Site are generally consistent with application of pesticides and not indicative of point-sources with the exception of soil at and near B20 (southeastern barn, AOC 8), B23/MW7 and B64 (dumping area, AOC 4), and B24/MW6 and B55 (Barn/Warehouse, REC 3) where remediation is warranted.

A Remedial Action Plan (RAP) will be prepared to address soil contamination that is not compliant with RSR criteria. The RAP may include detailed descriptions of pre-remedial investigations.

9.0 LIMITATIONS

This report has been prepared for the exclusive use of Eversource and its counsel in connection with their evaluation of environmental conditions at the property and compliance with the Connecticut Transfer Act. The report is not to be used for any other purpose or by any other party without the written authorization of ZUVIC.

The conclusions provided in this report are based on the scope of work conducted and the sources of information used during this investigation. If additional pertinent information becomes available, it should be provided to ZUVIC so that we may modify this report as necessary.

In preparation of this report, ZUVIC relied on data provided by others and information and representations made available to ZUVIC at the time of this report. To the extent that such information is incomplete or inaccurate, ZUVIC is not responsible.

This assessment was conducted according to generally-accepted environmental assessment practices commonly in use at the time the work was completed. No other warranty is expressed or implied.

10.0 REFERENCES

"Phase I Environmental Site Assessment, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by Stantec Consulting Services Inc. (Stantec), dated July 13, 2021

"Phase II Environmental Site Assessment, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by Stantec, dated July 28, 2021

"2022 Well Receptor Survey, 1985 Blue Hills Avenue Extension, Windsor, CT (REM ID# 14862)" prepared by Stantec, dated June 6, 2022

Connecticut Department of Energy and Environmental Protection (CTDEEP), Remediation Standard Regulations, February 16, 2021.

"Phase II/III Environmental Site Assessment, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by ZUVIC, dated March 2024.

"Completion of Investigation, 1985 Blue Hills Avenue Extension, Windsor, CT" prepared by ZUVIC, dated March 21, 2024.

"Site Characterization Guidance Document,", September 2007, Revised December 2010, CTDEP.

"Technical Support Document: Recommended Numeric Criteria for Common Additional Polluting Substances and Certain Alternative Criteria Requests," September 2018, CTDEEP.

"Request for Approval of Criteria for Additional Polluting Substances," March 2022, CTDEEP.

Figures