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July 14, 2022

John C. Bryant, RPM
ME/VT/CT Superfund Program
USEPA Region 1
5 Post Office Square - Suite 100
Boston, MA 02109-3912

Re: Linemaster Switch Remedial Action, Woodstock, Connecticut
Quarterly Progress Report – April to June 2022

Dear Mr. Bryant:

On behalf of Linemaster Switch Corporation, TRC is pleased to submit the Quarterly Progress Report for April to June 2022 for the Linemaster Switch Corporation Remedial Action located in Woodstock, Connecticut. This report has been prepared in accordance with Paragraph 33 of the 1994 Consent Decree, as modified by changes to the progress reporting schedule approved by the United States Environmental Protection Agency (USEPA) on December 14, 2012.

If you have any questions regarding this report, please do not hesitate to contact me at joliva@trccompanies.com or (860) 462-8533.

Sincerely,

TRC

Jean M. Oliva
Project Manager/Senior Engineer

Attachment

cc: Timothy Carlone, Linemaster
Mike Senyk, CTDEEP
Al Smith, Esq.

QUARTERLY PROGRESS REPORT
REMEDIAL ACTION AND LONG-TERM MONITORING

LINEMASTER SWITCH CORPORATION
WOODSTOCK, CT

Date:	July 14, 2022	**Report Period:**	April to June 2022
Site:	Linemaster Switch Facility	**TRC PM:**	Jean Oliva
	29 Plaine Hill Road	**Linemaster PM**:	Timothy Carlone
	Woodstock, Connecticut	**USEPA RPM:**	John C. Bryant

REPORTS AND DELIVERABLES

The following reports and other deliverables were submitted during this quarterly period:

- On April 29, 2022, the following reports were prepared by TRC and submitted by Linemaster to the Connecticut Department of Energy and Environmental Protection (CTDEEP):
    - First Quarter (March) 2022 Aquatic Toxicity Monitoring Report (ATMR); and
    - Discharge Monitoring Report (DMR) for March 2022.
- On May 6, 2022, the results of the February 2022 groundwater sampling from domestic water supply wells GW-08DB, GW-14, GW-40DB, GW-73DB, GW-74DB, GW-75DB and GW-76DB were reported to individual residents/owners.
- On May 6, 2022, TRC submitted the January to March 2022 Quarterly Progress Report to USEPA.
- On May 27, 2022, the Discharge Monitoring Report for April 2022 was prepared by TRC and submitted by Linemaster to the CTDEEP.
- On June 27, 2022, the Discharge Monitoring Report for May 2022 was prepared by TRC and submitted by Linemaster to the CTDEEP.
- On April 29, 2022, the USEPA provided comments via email on the October 12, 2020 Focused Feasibility Study (FFS) submittal. USEPA requested Linemaster to not submit a revised FFS draft until the determination of a revised arsenic background concentration, which will reflect the results of the arsenic sampling conducted as part of the May 2022 semi-annual sampling event.

SIGNIFICANT ACTIVITIES

Significant activities completed during this quarterly period include the following:

- The April and June 2022 monthly monitoring events were conducted on April 11, 2022 and June 1, 2022 by TRC personnel. These events included groundwater sampling from the Interim Remedial Treatment System (IRTS) (ITS influent, ITS effluent, and Final Discharge). All water samples were submitted to Alpha Analytical (Alpha) of Westborough, Massachusetts for volatile organic compound (VOC) analysis by USEPA Method 8260. In addition, the ITS influent and Final Discharge samples from the June monthly event were also submitted for additional analysis in compliance with the semi-annual requirements of the General Permit for the Discharge of Groundwater Remediation Wastewater, Permit No.: CTRSW0055.

- The May semi-annual monitoring event was conducted on May 10 through 12, 2022. Groundwater samples collected and analyzed during the May 2022 event, as designated by the semi-annual sampling schedule, included groundwater from the IRTS system and five associated deep bedrock extraction wells, six reconfigured Phase 1A system extraction wells, nine on-site deep bedrock monitoring wells, two on-site shallow bedrock monitoring wells, ten on-site overburden monitoring wells, the on-site facility drinking water well and treatment system, and nearby residential domestic wells (see **Figure 1**). All water samples were submitted to Alpha for full (IRTS system samples only) or select (constituents of concern [COCs] only) VOC analysis by USEPA Method 8260 or 524.2 (potable wells) with select samples analyzed for 1,4-dioxane by USEPA Method 8270SIM. Samples collected from three on-site deep bedrock monitoring wells, two on-site shallow bedrock monitoring wells, and three on-site overburden monitoring wells were submitted to Alpha for arsenic analysis by USEPA Method 200.7.

SAMPLING AND MONITORING RESULTS

Sampling and monitoring results from this quarterly period are summarized below:

- Draft analytical results from the sampling events performed during this quarterly period are presented in **Tables 1A through 1G** (attached). A Site Plan is provided as **Figure 1**. **Figure 2, Figure 3** and **Figure 4** show the spatial distribution of site volatile organic COC detections and applicable criteria exceedances in the deep bedrock, shallow bedrock and overburden aquifers, respectively, for the wells sampled during the second quarter, semi-annual event.

  With respect to COCs in the on-site wells, cis-1,2-dichloroethene (cis-1,2-DCE) and trichloroethene (TCE) concentrations were generally stable. The previously noted slight upward trend in TCE concentrations in deep bedrock extraction well GW10DB continued from a low observed in February 2020 but concentrations were still well below the concentration observed in November 2019. Total VOC concentrations at deep bedrock monitoring well MW21DB for this event were low compared to the reported concentrations from the previous two Novembers and from May 2020. TCE was not detected at deep bedrock monitoring well MW29DB for the first time since November 2018 or at deep bedrock monitoring well MW27DB where it has been detected sporadically over the past several years. TCE and total VOC concentrations at deep bedrock monitoring well MW35DB continued a downward trend that has been observed over the past several years.

  With respect to overburden (till) monitoring well locations sampled during this quarter, COC concentrations have been relatively stable over the past two years. Wells MW23T and MWEPAATS continued to exhibit seasonal fluctuations, with higher total VOC concentrations observed in the fall and lower concentrations observed in the spring with MWEPAATS continuing to exhibit a slight downward trend over the past several years along with the seasonal fluctuations. The detected concentration of TCE in overburden well MWEPAATD was an order of magnitude lower than typically seen in this well. Well MW33T has also exhibited a reduction in TCE and total VOC concentrations over recent years.

  The total VOC concentrations observed in the samples collected from the reconfigured Phase 1A extraction wells were mostly consistent with historical observations for these wells. The observed total VOC concentrations in well MW10SB continued to exhibit a

slight upward trend over the past several years. The observed concentrations of TCE and total VOCs in well FW-I were significantly higher than typically seen in this well.

With respect to COCs at off-site domestic supply well sample locations, TCE and cis-1,2-DCE continued to be detected at levels below drinking water standards in untreated water samples collected at residential wells GW14 and GW76DB. COCs were not detected in the treated water samples collected at these two locations. TCE concentrations in well GW76DB have been fairly stable whereas TCE and total VOC concentrations observed in the untreated water at GW14 are more variable over time. No other off-site domestic supply wells exhibited any detectable COC concentrations.

1,4-Dioxane analysis was performed on groundwater samples collected at a subset of the wells sampled during the semi-annual sampling event. 1,4-Dioxane was detected at two deep bedrock extraction wells, two deep bedrock monitoring wells, one shallow bedrock monitoring well, three overburden monitoring wells, the Linemaster production well, and each of the IRTS influent, effluent and final discharge samples. The only samples to exhibit 1,4-dioxane above the Connecticut Department of Health (CTDPH) action level of 3 µg/L were collected from monitoring wells MW17SB (163 µg/L) and MW17TD (104 µg/L). In general, 1,4-dioxane levels were fairly consistent with previous monitoring results. The estimated concentration of 1,4-dioxane detected in deep bedrock extraction well MW14DB, at two orders of magnitude below the CTDPH action level during the May 2022 semi-annual sampling event, was the second consecutive detection of this compound.

With respect to the monthly IRTS Final Discharge samples collected over the quarter, these samples did not exhibit VOCs at levels exceeding applicable standards. However, cis-1,2-DCE was detected at an estimated concentration in the ITSEFF sample (collected between the air-stripper unit and carbon adsorption unit) during the April sampling event. In addition, cis-1,2-DCE was detected in the FINAL-DISCHARGE samples collected during the April, May and June sample events, all at estimated concentrations below applicable standards.

At the request of USEPA, select wells including, deep bedrock monitoring wells, GW36DB, MW12DB and MW18DB; shallow bedrock monitoring wells MW12SB and MW18SB and overburden monitoring wells, MW03T, MW12T and MW18T, were sampled for arsenic during the May 2022 semi-annual sampling event to augment the data set to be used to reevaluate the site-specific background concentration for arsenic. Draft analytical results of these analyses are presented in Table 2. Arsenic was detected in four of the nine collected samples, including the blind duplicate sample. None of the reported concentrations exceeded the Record of Decision (ROD) cleanup level of 50 µg/L. The highest detected concentrations within the deep bedrock aquifer, the shallow bedrock aquifer and the overburden aquifer were 5 µg/L, 25 µg/L and 32 µg/L, respectively.

A comprehensive presentation, evaluation and interpretation of analytical results from this quarterly period will be included in the next Annual Monitoring Report scheduled to be submitted in March 2023.

- The April, May and June 2022 water use at the GW08 facility well was approximately 107,057 gallons, 107,504 gallons, and 89,571 gallons, respectively.

PROBLEMS ENCOUNTERED AND CORRECTIVE ACTIONS TAKEN

As a preventative measure against system problems, routine maintenance was performed on the IRTS and reconfigured Phase 1A systems. Routine maintenance activities include inspection of the system components, recording of system fluid levels and flow rates, and routine equipment maintenance (e.g., motor and valve lubrication, pump cleaning, filter cleaning, etc.). Problems encountered and subsequent corrective actions taken during this quarterly period are summarized below:

- No problems were encountered that required corrective actions during this reporting period.

PROJECT CHANGES AND ISSUES

Changes in scope, changes in project personnel or issues that need to be addressed include:

- No changes in scope, project personnel or other issues were initiated during this reporting period.

PROJECT SCHEDULE / PROPOSED ACTIVITIES

Proposed activities for the next 90-day quarterly period (July to September 2022) and beyond include the following:

- Performance of the monthly monitoring events in July and September 2022, per the LTMP Sampling and Analysis Plan (TRC, November 2015), with the exception that these events will be conducted by TRC.
- Performance of the quarterly monitoring event in August 2022, per the LTMP Sampling and Analysis Plan (TRC, November 2015), incorporating the recommendations contained in the 2021 Annual Monitoring Report.
- Submittal of the next Quarterly Progress Report for July to September 2022 by November 15, 2022.
- Address USEPA comments on the FFS.

TABLES

Table 1A
Summary of Detected VOCs in Water Samples
IRTS System
Linemaster Switch Corporation
2022 Semi-Annual Progress Report

	Screening Criteria										Location Group:	IRTS System									
											Well Name:	ITSINF				ITSEFF			FINAL-DISCHARGE		
											Sample Date:	04/11/2022	05/10/2022		06/01/2022	04/11/2022	05/10/2022	06/01/2022	04/11/2022	05/10/2022	06/01/2022
											Sample Event:	2022 April Monthly	2022 May Semi-Annual		2022 June Monthly	2022 April Monthly	2022 May Semi-Annual	2022 June Monthly	2022 April Monthly	2022 May Semi-Annual	2022 June Monthly
											Lab Report:	L2218844	L2224730		L2228842	L2218844	L2224730	L2228842	L2218844	L2224730	L2228842
											Note/Method:	8260 Full List	8260 Full List/ 8270 SIM	8260 Full List	8260 Full List	8260 Full List	8260 Full List/ 8270 SIM	8260 Full List	8260 Full List	8260 Full List/ 8270 SIM	8260 Full List
Dilution Factor:												1	1		1	1	1	1	1	1	1
Sample Type:	CTDEEP RSR Criteria				CTDPH Action Level	EPA VISL		ROD Cleanup Level	SDWA MCL	Human Health NRWQC				Field Dup								
Analyte	GWPC	SWPC	RES V/C	I/C V/C		Resid-ential	Com-mercial					Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)
PCE-TCE and Associated Breakdown Compounds																					
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10		< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6		**20.3**	**19.1**	**19.2**	**19.5**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE		**52.0**	**59.6**	**56.2**	**63.6**	**0.283** J	< 0.500 U	< 0.500 U	**0.470** J	**0.416** J	**0.480** J
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100		**1.41**	**2.16**	**1.76**	**3.05**	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022		< 1.00 U	< 1.00 U	< 1.00 U	**0.086** J	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
Remaining Method 8260 or 524.2 VOC Compounds																					
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9		< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68		< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE		< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE		< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57		< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U
1,4-Dioxane and Associated Indicator Compounds																					
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		N/A	**0.448**	N/A	N/A	N/A	**0.394**	N/A	N/A	**0.43**	N/A
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U
1,1,1-Trichloroethane (TCA)	200	62,000	6,500	16,000	200	11,600	48,900	200	200	10,000		< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300		< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
1,1-Dichloroethane (1,1-DCA)	70	NE	3,000	41,000	25	11.7	51	NE	NE	NE		< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9		< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U
											Total VOCs:	**73.71**	**81.308**	**77.16**	**86.236**	**0.283**	**0.394**	ND	**0.47**	**0.846**	**0.48**

Notes:

All results reported in micrograms per liter (µg/l).

Bolded value indicates constituent detected above method detection limits.

Shaded results exceed one or more identified criteria, MCL or action level.

J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+: Estimated value; biased high.

ND - Not Detected.

NE: No Criteria Established

N/A: Indicates constituent not analyzed for during laboratory analysis.

N: Indicates field collected sample. For duplicate samples, this indicates the parent aliquot.

Q: Laboratory Qualifiers

U: Indicates not detected.

UJ: Estimated non-detect.

CTDPH: Connecticut Department of Health

CTDEEP: Connecticut Department of Energy and Environmental Protection

RSR: Remediation Standard Regulations

GWPC: Groundwater Protection Criteria

SWPC: Surface Water Protection Criteria

Res. V/C: Residential Groundwater Volatilization Criteria

I/C V/C: Industrial/Commercial Groundwater Volatilization Criteria

EPA VISL: Environmental Protection Agency Vapor Intrusion Screening Level based on measured groundwater temperature and 1E-06 target cancer risk or target hazard quotient of 1.0. The EPA VISL are categorized into Residential and Commercial criteria.

The Res. V/C and Residential EPA VISL apply to all off-site domestic supply wells as well as MW34T and GW12DB, due to their proximity to the on-site residence, with the exception of GW08DB (facility potable well) and GW40DB (Woodstock Townhall potable well).

The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facility potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).

MCL: Maximum Contaminant Level

ROD: Record of Decision

NRWQC: National Recommended Water Quality Criteria (Updated 2015). NRWQC apply to surface water results only.

SDWA: Safe Drinking Water Act. SDWA MCL of 80 ug/L applies to total trihalomethanes, consisting of the sum of the concentrations of bromodichloromethane, bromoform, dibromochloromethane and chloroform.

* Denotes one or more dilutions were performed for the associated sample.

** Reported analyte concentrations are from the lowest valid dilution.

Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 1B
Summary of Detected VOCs in Water Samples
Deep Bedrock Extraction Well
Linemaster Switch Corporation
2022 Semi-Annual Progress Report

											Location Group:	**Deep Bedrock Extraction Well**							
											Well Name:	**GW10DB**		**MW01DB**		**MW06DB**		**MW14DB**		**MW15DB**	
											Sample Date:	05/10/2022		05/10/2022		05/10/2022		05/10/2022		05/10/2022	
											Sample Event:	2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual	
											Lab Report:	L2224730		L2224730		L2224730		L2224730		L2224730	
											Note/Method:	8260 COCs		8260 COCs		8260 COCs		8260 COCs/8270 SIM		8260 COCs/8270 SIM	
	Screening Criteria										**Dilution Factor:**	2/20*		1		1		1		1	
	CTDEEP RSR Criteria				**CTDPH Action Level**	**EPA VISL**		**ROD Cleanup Level**	**SDWA MCL**	**Human Health NRWQC**	**Sample Type:**										
Analyte	**GWPC**	**SWPC**	**RES V/C**	**I/C V/C**		**Resid-ential**	**Com-mercial**					Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)
PCE-TCE and Associated Breakdown Compounds																					
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10		< 1.00	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6		**212**		**2.12**		**0.995**		< 0.500	U	**21.1**	
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE		**1,020**		**2.35**		**0.440**	J	< 0.500	U	**7.63**	
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100		**29.3**		< 0.750	U	< 0.750	U	< 0.750	U	**0.237**	J
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022		**0.650**	J	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Remaining Method 8260 or 524.2 VOC Compounds																					
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9		**0.644**	J	< 1.75	U	< 1.75	U	< 1.75	U	< 1.75	U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68		< 1.00	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE		< 2.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE		< 2.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57		< 1.50	U	< 0.750	U	< 0.750	U	< 0.750	U	< 0.750	U
1,4-Dioxane and Associated Indicator Compounds																					
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		N/A		N/A		N/A		**0.0440**	J	**0.168**	
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		< 500	U	< 250	U	< 250	U	< 250	U	< 250	U
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300		**1.95**		< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9		< 1.00	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
											Total VOCs:	**1,265**		**4.47**		**1.435**		**0.044**		**29.135**	

Notes:

All results reported in micrograms per liter (µg/l).

Bolded value indicates constituent detected above method detection limits.

Shaded results exceed one or more identified criteria, MCL or action level.

J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+: Estimated value; biased high.

ND - Not Detected.

NE: No Criteria Established

N/A: Indicates constituent not analyzed for during laboratory analysis.

N: Indicates field collected sample. For duplicate samples, this indicates the parent aliquot.

Q: Laboratory Qualifiers

U: Indicates not detected.

UJ: Estimated non-detect.

CTDPH: Connecticut Department of Health

CTDEEP: Connecticut Department of Energy and Environmental Protection

RSR: Remediation Standard Regulations

GWPC: Groundwater Protection Criteria

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Res. V/C: Residential Groundwater Volatilization Criteria

I/C V/C: Industrial/Commercial Groundwater Volatilization Criteria

EPA VISL: Environmental Protection Agency Vapor Intrusion Screening Level based on measured groundwater temperature and 1E-06 target cancer risk or target hazard quotient of 1.0. The EPA VISL are categorized into Residential and Commercial criteria.

The Res. V/C and Residential EPA VISL apply to all off-site domestic supply wells as well as MW34T and GW12DB, due to their proximity to the on-site residence, with the exception of GW08DB (facility potable well) and GW40DB (Woodstock Townhall potable well).

The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facility potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).

MCL: Maximum Contaminant Level

ROD: Record of Decision

NRWQC: National Recommended Water Quality Criteria (Updated 2015). NRWQC apply to surface water results only.

SDWA: Safe Drinking Water Act. SDWA MCL of 80 ug/L applies to total trihalomethanes, consisting of the sum of the concentrations of bromodichloromethane, bromoform, dibromochloromethane and chloroform.

* Denotes one or more dilutions were performed for the associated sample.

** Reported analyte concentrations are from the lowest valid dilution.

Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 1C
Summary of Detected VOCs in Water Samples
Deep Bedrock Monitoring Well
Linemaster Switch Corporation
2022 Semi-Annual Progress Report

Analyte	Screening Criteria: GWPC	SWPC	RES V/C	I/C V/C	CTDPH Action Level	EPA VISL: Resid-ential	EPA VISL: Com-mercial	ROD Cleanup Level	SDWA MCL	Human Health NRWQC	Location Group: Deep Bedrock Monitoring Well											
	CTDEEP RSR Criteria																					
Well Name:											GW12DB		MW11DB		MW12DB		MW21DB		MW22DB		MW27DB	
Sample Date:											05/11/2022		05/10/2022		05/11/2022		05/12/2022		05/11/2022		05/11/2022	
Sample Event:											2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual	
Lab Report:											L2225016		L2224730		L2225016		L2225206		L2225016		L2225016	
Note/Method:											8260 COCs		8260 COCs		8260 COCs		8260 COCs		8260 COCs		8260 COCs	
Dilution Factor:											1		1		1		1		1		1	
Sample Type:																						
PCE-TCE and Associated Breakdown Compounds																						
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6	**121**		< 0.500	U	< 0.500	U	**3.85**		< 0.500	U	< 0.500	U
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE	**166**		**0.595**		< 0.500	U	**1.02**		< 0.500	U	< 0.500	U
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100	**14.0**		< 0.750	U	< 0.750	U	< 0.750	U	< 0.750	U	< 0.750	U
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022	**1.24**		< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Remaining Method 8260 or 524.2 VOC Compounds																						
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9	**0.351**	J	< 1.75	U	< 1.75	U	< 1.75	U	< 1.75	U	< 1.75	U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57	< 0.750	U	< 0.750	U	< 0.750	U	< 0.750	U	< 0.750	U	< 0.750	U
1,4-Dioxane and Associated Indicator Compounds																						
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE	N/A		N/A		N/A		N/A		N/A		N/A	
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE	< 250	U	< 250	U	< 250	U	< 250	U	< 250	U	< 250	U
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300	**1.12**		< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
Total VOCs:											**303.711**		**0.595**		ND		**4.87**		ND		ND	

Notes:

All results reported in micrograms per liter (µg/l).

Bolded value indicates constituent detected above method detection limits.

Shaded results exceed one or more identified criteria, MCL or action level.

J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+: Estimated value; biased high.

ND - Not Detected.

NE: No Criteria Established

N/A: Indicates constituent not analyzed for during laboratory analysis.

N: Indicates field collected sample. For duplicate samples, this indicates the parent aliquot.

Q: Laboratory Qualifiers

U: Indicates not detected.

UJ: Estimated non-detect.

CTDPH: Connecticut Department of Health

CTDEEP: Connecticut Department of Energy and Environmental Protection

RSR: Remediation Standard Regulations

GWPC: Groundwater Protection Criteria

SWPC: Surface Water Protection Criteria

Res. V/C: Residential Groundwater Volatilization Criteria

I/C V/C: Industrial/Commercial Groundwater Volatilization Criteria

EPA VISL: Environmental Protection Agency Vapor Intrusion Screening Level based on measured groundwater temperature and 1E-06 target cancer risk or target hazard quotient of 1.0. The EPA VISL are categorized into Residential and Commercial criteria.

The Res. V/C and Residential EPA VISL apply to all off-site domestic supply wells as well as MW34T and GW12DB, due to their proximity to the on-site residence, with the exception of GW08DB (facility potable well) and GW40DB (Woodstock Townhall potable well).

The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facilty potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).

MCL: Maximum Contaminant Level

ROD: Record of Decision

NRWQC: National Recommended Water Quality Criteria (Updated 2015). NRWQC apply to surface water results only.

SDWA: Safe Drinking Water Act. SDWA MCL of 80 ug/L applies to total trihalomethanes, consisting of the sum of the concentrations of bromodichloromethane, bromoform, dibromochloromethane and chloroform.

* Denotes one or more dilutions were performed for the associated sample.

** Reported analyte concentrations are from the lowest valid dilution.

Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 1C
Summary of Detected VOCs in Water Samples
Deep Bedrock Monitoring Well
Linemaster Switch Corporation
2022 Semi-Annual Progress Report

	Screening Criteria										Location Group:	Deep Bedrock Monitoring Well							
											Well Name:	MW28DB				MW29DB		MW35DB	
											Sample Date:	05/12/2022		05/12/2022		05/11/2022		05/12/2022	
											Sample Event:	2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual	
											Lab Report:	L2225206		L2225206		L2225016		L2225206	
											Note/Method:	8260 COCs/ 8270 SIM		8260 COCs/ 8270 SIM		8260 COCs		8260 COCs/ 8270 SIM	
Dilution Factor:	CTDEEP RSR Criteria				CTDPH Action Level	EPA VISL		ROD Cleanup Level	SDWA MCL	Human Health NRWQC		1		1		1		1	
Sample Type:														Field Dup					
Analyte	**GWPC**	**SWPC**	**RES V/C**	**I/C V/C**		**Resid-ential**	**Com-mercial**					Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)
PCE-TCE and Associated Breakdown Compounds																			
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10		< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6		**45.3**		**45.9**		< 0.500	U	**25.0**	
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE		**22.5**		**22.0**		< 0.500	U	**80.0**	
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100		**1.07**		**1.04**		< 0.750	U	**0.839**	
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022		**0.096**	J	**0.107**	J	< 1.00	U	**0.280**	J
Remaining Method 8260 or 524.2 VOC Compounds																			
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9		< 1.75	U	< 1.75	U	< 1.75	U	< 1.75	U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68		< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE		< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE		< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57		< 0.750	U	< 0.750	U	< 0.750	U	< 0.750	U
1,4-Dioxane and Associated Indicator Compounds																			
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		**0.367**		**0.345**		N/A		**0.821**	
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		< 250	U	< 250	U	< 250	U	< 250	U
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300		< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9		< 0.500	U	< 0.500	U	< 0.500	U	< 0.500	U
											Total VOCs:	**69.333**		**69.392**		ND		**106.94**	

Notes:

All results reported in micrograms per liter (µg/l).
Bolded value indicates constituent detected above method detection limits.
Shaded results exceed one or more identified criteria, MCL or action level.
J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+: Estimated value; biased high.
ND - Not Detected.
NE: No Criteria Established
N/A: Indicates constituent not analyzed for during laboratory analysis.
N: Indicates field collected sample. For duplicate samples, this indicates the parent aliquot.
Q: Laboratory Qualifiers
U: Indicates not detected.
UJ: Estimated non-detect.
CTDPH: Connecticut Department of Health
CTDEEP: Connecticut Department of Energy and Environmental Protection
RSR: Remediation Standard Regulations
GWPC: Groundwater Protection Criteria
SWPC: Surface Water Protection Criteria
Res. V/C: Residential Groundwater Volatilization Criteria
I/C V/C: Industrial/Commercial Groundwater Volatilization Criteria
EPA VISL: Environmental Protection Agency Vapor Intrusion Screening Level based on measured groundwater temperature and 1E-06 target cancer risk or target hazard quotient of 1.0. The EPA VISL are categorized into Residential and Commercial criteria.
The Res. V/C and Residential EPA VISL apply to all off-site domestic supply wells as well as MW34T and GW12DB, due to their proximity to the on-site residence, with the exception of GW08DB (facility potable well) and GW40DB (Woodstock Townhall potable well).
The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facilty potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).
MCL: Maximum Contaminant Level
ROD: Record of Decision
NRWQC: National Recommended Water Quality Criteria (Updated 2015). NRWQC apply to surface water results only.
SDWA: Safe Drinking Water Act. SDWA MCL of 80 ug/L applies to total trihalomethanes, consisting of the sum of the concentrations of bromodichloromethane, bromoform, dibromochloromethane and chloroform.
* Denotes one or more dilutions were performed for the associated sample.
** Reported analyte concentrations are from the lowest valid dilution.
Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 1D
Summary of Detected VOCs in Water Samples
Shallow Bedrock Monitoring Well
Linemaster Switch Corporation
Progress Report

	Screening Criteria										Location Group:	Shallow Bedrock Monitoring Well	
											Well Name:	MW17SB	MW27SB
											Sample Date:	05/11/2022	05/12/2022
											Sample Event:	2022 May Semi-Annual	2022 May Semi-Annual
											Lab Report:	L2225016	L2225206
											Note/Method:	8260 COCs/8270 SIM	8260 COCs
Dilution Factor:	CTDEEP RSR Criteria				CTDPH Action Level	EPA VISL		ROD Cleanup Level	SDWA MCL	Human Health NRWQC		1	1
Sample Type:													
Analyte	**GWPC**	**SWPC**	**RES V/C**	**I/C V/C**		**Resid-ential**	**Com-mercial**					Result (Q)	Result (Q)
PCE-TCE and Associated Breakdown Compounds													
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10		< 0.500 U	< 0.500 U
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6		**14.9**	< 0.500 U
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE		**24.1**	< 0.500 U
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100		**2.16**	< 0.750 U
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022		< 1.00 U	< 1.00 U
Remaining Method 8260 or 524.2 VOC Compounds													
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9		< 1.75 U	< 1.75 U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68		< 0.500 U	< 0.500 U
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE		< 1.00 U	< 1.00 U
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE		< 1.00 U	< 1.00 U
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57		< 0.750 U	< 0.750 U
1,4-Dioxane and Associated Indicator Compounds													
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		**163**	N/A
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		**104** J	< 250 U
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300		**25.3**	< 0.500 U
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9		**0.932**	< 0.500 U
											Total VOCs:	**230.392**	ND

Notes:

All results reported in micrograms per liter (µg/l).

Bolded value indicates constituent detected above method detection limits.

Shaded results exceed one or more identified criteria, MCL or action level.

J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+: Estimated value; biased high.

ND - Not Detected.

NE: No Criteria Established

N/A: Indicates constituent not analyzed for during laboratory analysis.

N: Indicates field collected sample. For duplicate samples, this indicates the parent aliquot.

Q: Laboratory Qualifiers

U: Indicates not detected.

UJ: Estimated non-detect.

CTDPH: Connecticut Department of Health

CTDEEP: Connecticut Department of Energy and Environmental Protection

RSR: Remediation Standard Regulations

GWPC: Groundwater Protection Criteria

SWPC: Surface Water Protection Criteria

Res. V/C: Residential Groundwater Volatilization Criteria

I/C V/C: Industrial/Commercial Groundwater Volatilization Criteria

EPA VISL: Environmental Protection Agency Vapor Intrusion Screening Level based on measured groundwater temperature and 1E-06 target cancer risk or target hazard quotient of 1.0. The EPA VISL are categorized into Residential and Commercial criteria.

The Res. V/C and Residential EPA VISL apply to all off-site domestic supply wells as well as MW34T and GW12DB, due to their proximity to the on-site residence, with the exception of GW08DB (facility potable well) and GW40DB (Woodstock Townhall potable well).

The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facilty potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).

MCL: Maximum Contaminant Level

ROD: Record of Decision

NRWQC: National Recommended Water Quality Criteria (Updated 2015). NRWQC apply to surface water results only.

SDWA: Safe Drinking Water Act. SDWA MCL of 80 ug/L applies to total trihalomethanes, consisting of the sum of the concentrations of bromodichloromethane, bromoform, dibromochloromethane and chloroform.

* Denotes one or more dilutions were performed for the associated sample.

** Reported analyte concentrations are from the lowest valid dilution.

Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 1E
Summary of Detected VOCs in Water Samples
Overburden Monitoring Well
Linemaster Switch Corporation
2022 Semi-Annual Progress Report

	Screening Criteria										Location Group:	Overburden Monitoring Well									
											Well Name:	MW04T	MW06T	MW11T	MW17TS	MW17TD	MW23T	MW26T	MW33T	MWEPAATS	MWEPAATD
											Sample Date:	05/12/2022	05/11/2022	05/10/2022	05/11/2022	05/11/2022	05/12/2022	05/12/2022	05/11/2022	05/12/2022	05/12/2022
											Sample Event:	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual
											Lab Report:	L2225206	L2225016	L2224730	L2225016	L2225016	L2225206	L2225206	L2225016	L2225206	L2225206
											Note/Method:	8260 COCs	8260 COCs	8260 COCs	8260 COCs	8260 COCs/8270 SIM	8260 COCs	8260 COCs	8260 COCs/8270 SIM	8260 COCs	8260 COCs/8270 SIM
Dilution Factor:	CTDEEP RSR Criteria				CTDPH	EPA VISL		ROD	SDWA	Human		50	1	1	1	1	1	250	2.5/1*	4	10/50/1*
Sample Type:					Action	Resid-	Com-	Cleanup		Health											
Analyte	**GWPC**	**SWPC**	**RES V/C**	**I/C V/C**	**Level**	**ential**	**mercial**	**Level**	**MCL**	**NRWQC**		Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)
PCE-TCE and Associated Breakdown Compounds																					
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10		**25.0**	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 125 U	< 1.25 U	< 2.00 U	< 5.00 U	
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6		**8,290**	< 0.500 U	< 0.500 U	**0.207** J	**3.70**	**1.14**	**30,800**	**473**	**485**	**1,850**
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE		**373**	< 0.500 U	< 0.500 U	< 0.500 U	**11.1**	< 0.500 U	**2,320**	**31.6**	**1.46** J	**254**
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100		< 37.5 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	**279**	**272**	< 3.00 U	**17.6**
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022		< 50.0 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 250 U	< 2.50 U	< 4.00 U	< 10.0 U
Remaining Method 8260 or 524.2 VOC Compounds																					
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9		< 87.5 U	< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U	< 1.75 U	< 438 U	**2.76** J	< 7.00 U	< 17.5 U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68		< 25.0 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 0.500 U	< 125 U	< 1.25 U	< 2.00 U	< 5.00 U
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE		< 50.0 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 250 U	< 2.50 U	< 4.00 U	< 10.0 U
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE		< 50.0 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 1.00 U	< 250 U	< 2.50 U	< 4.00 U	< 10.0 U
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57		< 37.5 U	**0.457** J	< 0.750 U	< 0.750 U	< 0.750 U	< 0.750 U	< 188 U	< 1.88 U	< 3.00 U	< 7.50 U
1,4-Dioxane and Associated Indicator Compounds																					
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		N/A	N/A	N/A	N/A	**104**	N/A	N/A	**2.68**	N/A	**0.84**
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		< 12,500 U	< 250 U	< 250 U	< 250 U	< 250 U	< 250 U	< 62,500 U	< 625 U	< 1,000 U	< 2,500 U
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300		**12.2** J	< 0.500 U	< 0.500 U	< 0.500 U	**35.4**	< 0.500 U	< 125 U	< 1.25 U	< 2.00 U	**2.43** J
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9		< 25.0 U	< 0.500 U	< 0.500 U	< 0.500 U	**1.69**	< 0.500 U	< 125 U	< 1.25 U	< 2.00 U	< 5.00 U
											Total VOCs:	**8,700**	**0.457**	ND	**0.207**	**155.89**	**1.14**	**33,399**	**782.04**	**486.46**	**2,125**

Notes:

All results reported in micrograms per liter (µg/l).

Bolded value indicates constituent detected above method detection limits.

Shaded results exceed one or more identified criteria, MCL or action level.

J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+: Estimated value; biased high.

ND - Not Detected.

NE: No Criteria Established

N/A: Indicates constituent not analyzed for during laboratory analysis.

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Res. V/C: Residential Groundwater Volatilization Criteria

I/C V/C: Industrial/Commercial Groundwater Volatilization Criteria

EPA VISL: Environmental Protection Agency Vapor Intrusion Screening Level based on measured groundwater temperature and 1E-06 target cancer risk or target hazard quotient of 1.0. The EPA VISL are categorized into Residential and Commercial criteria. The Res. V/C and Residential EPA VISL apply to all off-site domestic supply wells as well as MW34T and GW12DB, due to their proximity to the on-site residence, with the exception of GW08DB (facility potable well) and GW40DB (Woodstock Townhall potable well). The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facilty potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).

MCL: Maximum Contaminant Level

ROD: Record of Decision

NRWQC: National Recommended Water Quality Criteria (Updated 2015). NRWQC apply to surface water results only.

SDWA: Safe Drinking Water Act. SDWA MCL of 80 ug/L applies to total trihalomethanes, consisting of the sum of the concentrations of bromodichloromethane, bromoform, dibromochloromethane and chloroform.

* Denotes one or more dilutions were performed for the associated sample.

** Reported analyte concentrations are from the lowest valid dilution.

Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 1F
Summary of Detected VOCs in Water Samples
Reconfigured Phase1A
Linemaster Switch Corporation
2022 Semi-Annual Progress Report

	Screening Criteria										Location Group:	Reconfigured Phase1A System Extraction Well											
											Well Name:	FW-E		FW-F35		FW-H		FW-I		FW-J		MW-10SB	
											Sample Date:	05/10/2022		05/10/2022		05/10/2022		05/10/2022		05/10/2022		05/10/2022	
											Sample Event:	2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual	
											Lab Report:	L2224730		L2224730		L2224730		L2224730		L2224730		L2224730	
											Note/Method:	8260 COCs		8260 COCs		8260 COCs		8260 COCs		8260 COCs		8260 COCs	
Dilution Factor:	CTDEEP RSR Criteria				CTDPH	EPA VISL		ROD	SDWA	Human		250		4000		4		50		5		50/500*	
Sample Type:																							
Analyte	**GWPC**	**SWPC**	**RES V/C**	**I/C V/C**	**Action Level**	**Resid-ential**	**Com-mercial**	**Cleanup Level**	**MCL**	**Health NRWQC**		Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)
PCE-TCE and Associated Breakdown Compounds																							
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10		< 125	U	**852**	J	< 2.00	U	**46.0**		**1.12**	J	**12.4**	J
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6		**31,200**		**444,000**		**118**		**5,490**		**690**		**9,600**	
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE		**4,620**		**10,300**		**404**		**916**		**25.9**		**62,900**	
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100		**58.5**	J	< 3,000	U	**23.7**		**16.7**	J	**4.20**		**821**	
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022		**43.8**	J	< 4,000	U	**9.46**		< 50.0	U	< 5.00	U	**1,800**	
Remaining Method 8260 or 524.2 VOC Compounds																							
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9		< 438	U	< 7,000	U	< 7.00	U	< 87.5	U	< 8.75	U	< 87.5	U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68		< 125	U	< 2,000	U	< 2.00	U	< 25.0	U	< 2.50	U	**135**	
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE		< 250	U	**2,160**	J	< 4.00	U	< 50.0	U	< 5.00	U	**207**	
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE		< 250	U	< 4,000	U	< 4.00	U	< 50.0	U	< 5.00	U	**52.5**	
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57		< 188	U	**5,690**		< 3.00	U	< 37.5	U	< 3.75	U	**1,060**	
1,4-Dioxane and Associated Indicator Compounds																							
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		N/A		N/A		N/A		N/A		N/A		N/A	
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		< 62,500	U	< 1,000,000	U	< 1,000	U	< 12,500	U	< 1,250	U	< 12,500	U
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300		< 125	U	< 2,000	U	**1.85**	J	< 25.0	U	< 2.50	U	**100**	
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9		< 125	U	< 2,000	U	< 2.00	U	< 25.0	U	< 2.50	U	< 25.0	U
											Total VOCs:	**35,922**		**463,002**		**557.01**		**6,469**		**721.22**		**76,688**	

Notes:

All results reported in micrograms per liter (µg/l).

Bolded value indicates constituent detected above method detection limits.

Shaded results exceed one or more identified criteria, MCL or action level.

J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+: Estimated value; biased high.

ND - Not Detected.

NE: No Criteria Established

N/A: Indicates constituent not analyzed for during laboratory analysis.

N: Indicates field collected sample. For duplicate samples, this indicates the parent aliquot.

Q: Laboratory Qualifiers

U: Indicates not detected.

UJ: Estimated non-detect.

CTDPH: Connecticut Department of Health

CTDEEP: Connecticut Department of Energy and Environmental Protection

RSR: Remediation Standard Regulations

GWPC: Groundwater Protection Criteria

SWPC: Surface Water Protection Criteria

Res. V/C: Residential Groundwater Volatilization Criteria

I/C V/C: Industrial/Commercial Groundwater Volatilization Criteria

EPA VISL: Environmental Protection Agency Vapor Intrusion Screening Level based on measured groundwater temperature and 1E-06 target cancer risk or target hazard quotient of 1.0. The EPA VISL are categorized into Residential and Commercial criteria.

The Res. V/C and Residential EPA VISL apply to all off-site domestic supply wells as well as MW34T and GW12DB, due to their proximity to the on-site residence, with the exception of GW08DB (facility potable well) and GW40DB (Woodstock Townhall potable well).

The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facilty potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).

MCL: Maximum Contaminant Level

ROD: Record of Decision

NRWQC: National Recommended Water Quality Criteria (Updated 2015). NRWQC apply to surface water results only.

SDWA: Safe Drinking Water Act. SDWA MCL of 80 ug/L applies to total trihalomethanes, consisting of the sum of the concentrations of bromodichloromethane, bromoform, dibromochloromethane and chloroform.

* Denotes one or more dilutions were performed for the associated sample.

** Reported analyte concentrations are from the lowest valid dilution.

Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 1G
Summary of Detected VOCs in Water Samples
Domestic Water Supply Well
Linemaster Switch Corporation
2022 Semi-Annual Progress Report

											Location Group:	**Linemaster Facility Potable Supply Well & Treatment System**								**Domestic Water Supply Well (7 Millbrook Lane)**			
											Well Name:	**GW08DB (Untreated)**		**GW08TA**		**GW08TB**		**GW08TC**		**GW14 (Untreated)**		**GW14B (Mid-Treatment)**		**GW14T (Treated)**	
											Sample Date:	05/10/2022		05/10/2022		05/10/2022		05/10/2022		05/10/2022		05/10/2022		05/10/2022	
											Sample Event:	2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual		2022 May Semi-Annual	
											Lab Report:	L2224730		L2224734		L2224734		L2224734		L2224734		L2224734		L2224734	
											Note/Method:	8260 COCs/8270 SIM		524.2 COCs		524.2 COCs		524.2 COCs/8270 SIM		524.2 COCs		524.2 COCs		524.2 COCs	
	Screening Criteria										**Dilution Factor:**	1		1		1		1		1		1		1	
	CTDEEP RSR Criteria				**CTDPH Action Level**	**EPA VISL**		**ROD Cleanup Level**	**SDWA MCL**	**Human Health NRWQC**	**Sample Type:**														
Analyte	**GWPC**	**SWPC**	**RES V/C**	**I/C V/C**		**Resid-ential**	**Com-mercial**					Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)	Result	(Q)
PCE-TCE and Associated Breakdown Compounds																									
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10		< 0.500	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6		**6.49**		< 0.50	U	< 0.50	U	< 0.50	U	**0.23**	J	< 0.50	U	< 0.50	U
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE		**20.9**		< 0.50	U	< 0.50	U	< 0.50	U	**1.7**		< 0.50	U	< 0.50	U
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100		**0.827**		< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022		**0.137**	J	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
Remaining Method 8260 or 524.2 VOC Compounds																									
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9		< 1.75	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68		< 0.500	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE		< 1.00	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE		< 1.00	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57		< 0.750	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
1,4-Dioxane and Associated Indicator Compounds																									
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		**0.388**		N/A		N/A		**0.404**		N/A		N/A		N/A	
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		< 250	U	N/A		N/A		N/A		N/A		N/A		N/A	
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300		< 0.500	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9		< 0.500	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U
											Total VOCs:	**28.742**		ND		ND		**0.404**		**1.93**		ND		ND	

Notes:

All results reported in micrograms per liter (µg/l).

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J+: Estimated value; biased high.

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NE: No Criteria Established

N/A: Indicates constituent not analyzed for during laboratory analysis.

N: Indicates field collected sample. For duplicate samples, this indicates the parent aliquot.

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U: Indicates not detected.

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Res. V/C: Residential Groundwater Volatilization Criteria

I/C V/C: Industrial/Commercial Groundwater Volatilization Criteria

EPA VISL: Environmental Protection Agency Vapor Intrusion Screening Level based on measured groundwater temperature and 1E-06 target cancer risk or target hazard quotient of 1.0. The EPA VISL are categorized into Residential and Commercial criteria.

The Res. V/C and Residential EPA VISL apply to all off-site domestic supply wells as well as MW34T and GW12DB, due to their proximity to the on-site residence, with the exception of GW08DB (facility potable well) and GW40DB (Woodstock Townhall potable well).

The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facilty potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).

MCL: Maximum Contaminant Level

ROD: Record of Decision

NRWQC: National Recommended Water Quality Criteria (Updated 2015). NRWQC apply to surface water results only.

SDWA: Safe Drinking Water Act. SDWA MCL of 80 ug/L applies to total trihalomethanes, consisting of the sum of the concentrations of bromodichloromethane, bromoform, dibromochloromethane and chloroform.

* Denotes one or more dilutions were performed for the associated sample.

** Reported analyte concentrations are from the lowest valid dilution.

Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 1G
Summary of Detected VOCs in Water Samples
Domestic Water Supply Well
Linemaster Switch Corporation
2022 Semi-Annual Progress Report

	Screening Criteria										Location Group:	Domestic Water Supply Well (Woodstock Town Hall)			Domestic Water Supply Well (350 Rte 171)	Domestic Water Supply Well (378 Rte 171)	Supply Well (15 Millbrook Lane)	Domestic Water Supply Well (10 Millbrook Lane)			
											Well Name:	GW40DB (Untreated)	GW40B (Mid-Treatment)	GW40T (Treated)	GW73DB	GW74DB	GW75DB	GW76DB (Untreated)		GW76B (Mid-Treatement)	GW76T (Treated)
											Sample Date:	05/10/2022	05/10/2022	05/10/2022	05/10/2022	05/10/2022	05/10/2022	05/10/2022	05/10/2022	05/10/2022	05/10/2022
											Sample Event:	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual	2022 May Semi-Annual
											Lab Report:	L2224734	L2224734	L2224734	L2224734	L2224734	L2224734	L2224734	L2224734	L2224734	L2224734
											Note/Method:	524.2 COCs	524.2 COCs	524.2 COCs	524.2 COCs	524.2 COCs	524.2 COCs	524.2 COCs	524.2 COCs	524.2 COCs	524.2 COCs
Dilution Factor:	CTDEEP RSR Criteria				CTDPH	EPA VISL		ROD	SDWA	Human		1	1	1	1	1	1	1	1	1	1
Sample Type:																			Field Dup		
Analyte	**GWPC**	**SWPC**	**RES V/C**	**I/C V/C**	**Action Level**	**Resid-ential**	**Com-mercial**	**Cleanup Level**	**MCL**	**Health NRWQC**		Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)	Result (Q)
PCE-TCE and Associated Breakdown Compounds																					
Tetrachloroethene	5	88	340	810	5	26	114	5	5	10		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trichloroethene	5	2,340	27	67	1	1.92	12	5	5	0.6		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.42** J	**0.36** J	< 0.50 U	< 0.50 U
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	NE	NE	NE	NE	NE	NE	70	70	NE		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**6.5**	**6.3**	< 0.50 U	< 0.50 U
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	NE	NE	NE	NE	165	694	NE	100	100		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl chloride (VC)	2	15,750	1.6	52	0.5	0.19	3.16	2	2	0.022		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Remaining Method 8260 or 524.2 VOC Compounds																					
1,2-Dichloropropane	5	NE	7.4	58	1	10.8	47.3	5	5	0.9		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Ethylbenzene	700	580,000	50,000	50,000	NE	6.3	27.5	NE	700	68		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
m,p-Xylene	530	NE	21,300	50,000	NE	646	2,720	NE	10,000	NE		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
o-Xylene	530	NE	21,300	50,000	NE	904	3,800	NE	10,000	NE		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Toluene	1,000	4,000,000	23,500	50,000	150	32,700	137,000	1,000	1,000	57		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dioxane and Associated Indicator Compounds																					
1,4-Dioxane (8270 Low-Level SIM)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,4-Dioxane (8260)	NE	NE	NE	NE	3	4,900	21,400	NE	NE	NE		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1,1-Dichloroethene (1,1-DCE)	7	96	190	920	7	282	1,180	7	7	300		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane (1,2-DCA)	1	2,970	6.5	68	0.5	3.66	16	5	5	9.9		< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Total VOCs:												ND	ND	ND	ND	ND	ND	**6.92**	**6.66**	ND	ND

Notes:

All results reported in micrograms per liter (µg/l).
Bolded value indicates constituent detected above method detection limits.
Shaded results exceed one or more identified criteria, MCL or action level.
J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+: Estimated value; biased high.
ND - Not Detected.
NE: No Criteria Established
N/A: Indicates constituent not analyzed for during laboratory analysis.
N: Indicates field collected sample. For duplicate samples, this indicates the parent aliquot.
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The I/C V/C and Commercial EPA VISL apply to all on-site monitoring and extraction wells as well as GW08DB (facilty potable well) and off-site domestic supply well GW40DB (Woodstock Townhall potable well).
MCL: Maximum Contaminant Level
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* Denotes one or more dilutions were performed for the associated sample.
** Reported analyte concentrations are from the lowest valid dilution.
Historically at the Linemaster site, wells that have exhibited the compounds listed in the last four rows of the table have also exhibited 1,4-dioxane. Therefore , they are considered to be indicator compounds for the purpose of this monitoring program.

Table 2
Summary of May 2022 Arsenic Groundwater Sample Results
Linemaster Switch Corporation
2022 2nd Quarter Progress Report

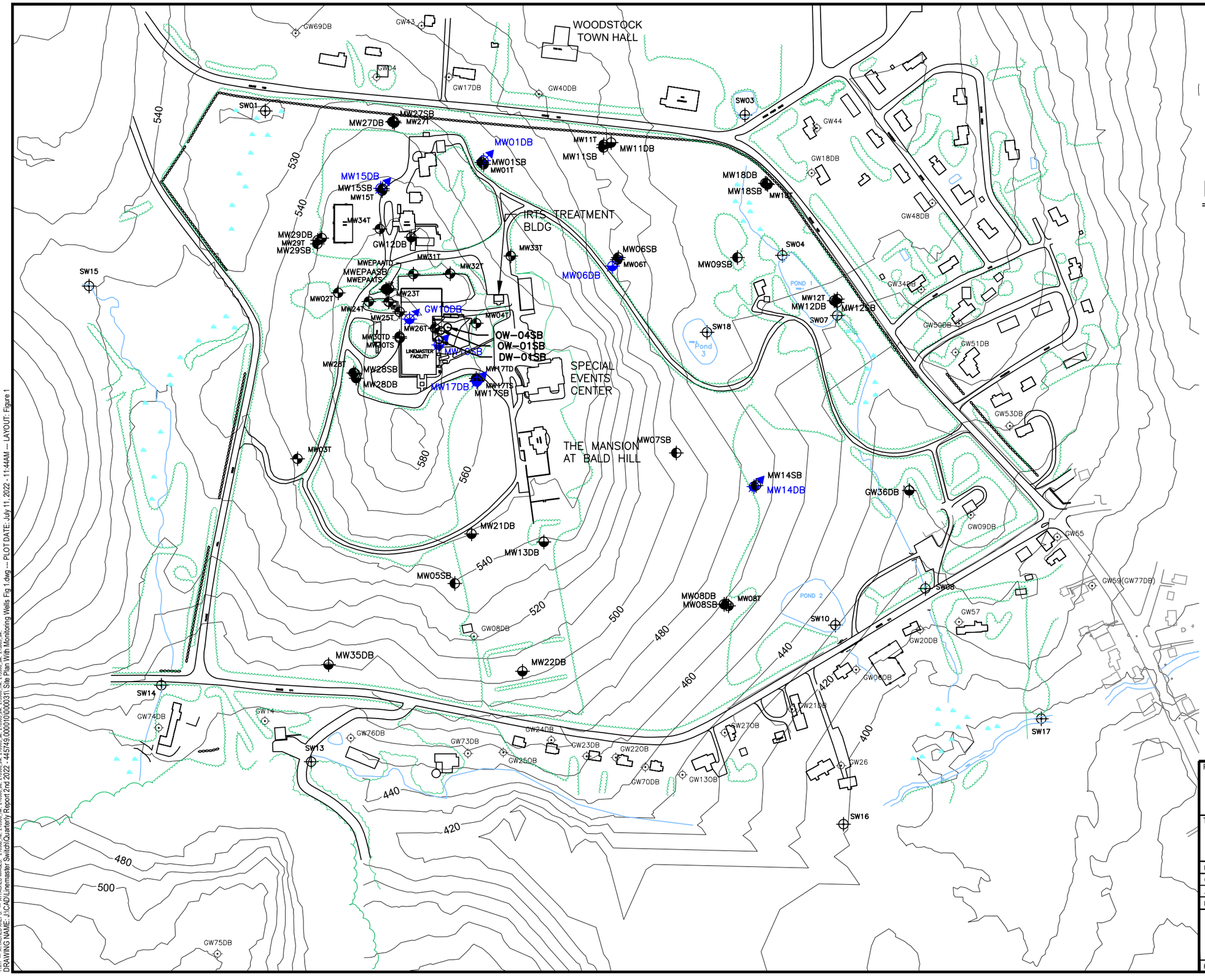
							Analyte:	As	
							CAS #:	7440-38-2	
							Unit:	ug/L	
							ROD Cleanup Level:	50	
							Site-Specific Background:	188	
Well Name:	**Sample Date**	**Lab Report**	**Field pH (su)**	**Field ORP (mV)**	**Field Temp (°C)**	**Field Turbidity (NTU)**	**Result**		**(Q)**
Deep Bedrock Monitoring Wells									
GW36DB	05/11/2022	L2225016	7.2	-8.7	11.88	0.76	< 5		U
MW12DB	05/11/2022	L2225016	7.36	-66.1	11.79	0.68	< 5		U
MW18DB	05/10/2022	L2224730	8.13	10.3	12.34	0.60	**5**		J
Shallow Bedrock Monitoring Wells									
MW12SB	05/11/2022	L2225016	7.34	122.2	9.39	8.07	< 5		U
MW18SB	05/10/2022	L2224730	8.50	100.7	10.49	3.36	**25**		
Overburden Monitoring Wells									
MW03T	05/11/2022	L2225016	6.23	197.5	10.02	0.20	< 5		U
MW12T	05/11/2022	L2225016	6.38	75.5	8.99	3.05	**22**		
DUP-1 AS	05/11/2022	L2225016	6.38	75.5	8.99	3.05	**32**		
MW18T	05/10/2022	L2224730	6.46	177.1	9.36	0.36	< 5		U

Notes:
All results reported in micrograms per liter (µg/l).
DUP: Duplicate sample collected from this location.
Bolded value indicates constituent detected above method detection limits.
Shaded results exceed one or more of the identified criteria.
J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
Q: Laboratory Qualifiers.
U: Indicates not detected.
ROD: Record of Decision
Background: Background concentration determined at the time of the 1992 Remedial Investigation.

Field Parameter Units
pH: Standard Units (su)
ORP: Oxidation/Reduction Potential; millivolts (mV)

Temp: Temperature in degrees celsius (°C)
Turbidity: Nephelometric Turbidity Unit (NTU)

FIGURES



LEGEND

- EXISTING UNCONSOLIDATED DEPOSITS MONITORING WELL
- EXTRACTION WELL
- SHALLOW BEDROCK MONITORING WELL
- DEEP BEDROCK MONITORING WELL
- SURFACE WATER SAMPLING POINT
- WATER SUPPLY WELL

NOTE:
In order to maintain an effective map scale, Water Supply Wells GW07DB and GW16DB are not shown, as their locations are beyond the extent of this map in the northwestern and northeastern directions, respectively.

SOURCE:
- MAP TITLED "FIGURE 2-1, 2014 ANNUAL MONITORING REPORT, SITE PLAN, LINEMASTER SWITCH CORPORATION, WOODSTOCK, CONNECTICUT", DATED MARCH 2015, SCALE: 1"=300' BY WOODARD & CURRAN.
- 2012 AERIALS AND TOPOGRAPHY FROM UNIVERSITY OF CONNECTICUT "MAGIC" WEB SITE.

0 300' 600'
GRAPHIC SCALE

CT State 1983

PROJECT:
LINEMASTER SWITCH CORPORATION
29 Plaine Hill Road
Woodstock, Connecticut

TITLE:
SITE PLAN WITH LTMP SAMPLING LOCATIONS

DRAWN BY:	R. HAMILTON	PROJ NO.:	445749.000010.000031
CHECKED BY:	C. CARLSON		**Figure 1**
APPROVED BY:	J. OLIVA		
DATE:	07/11/2022		

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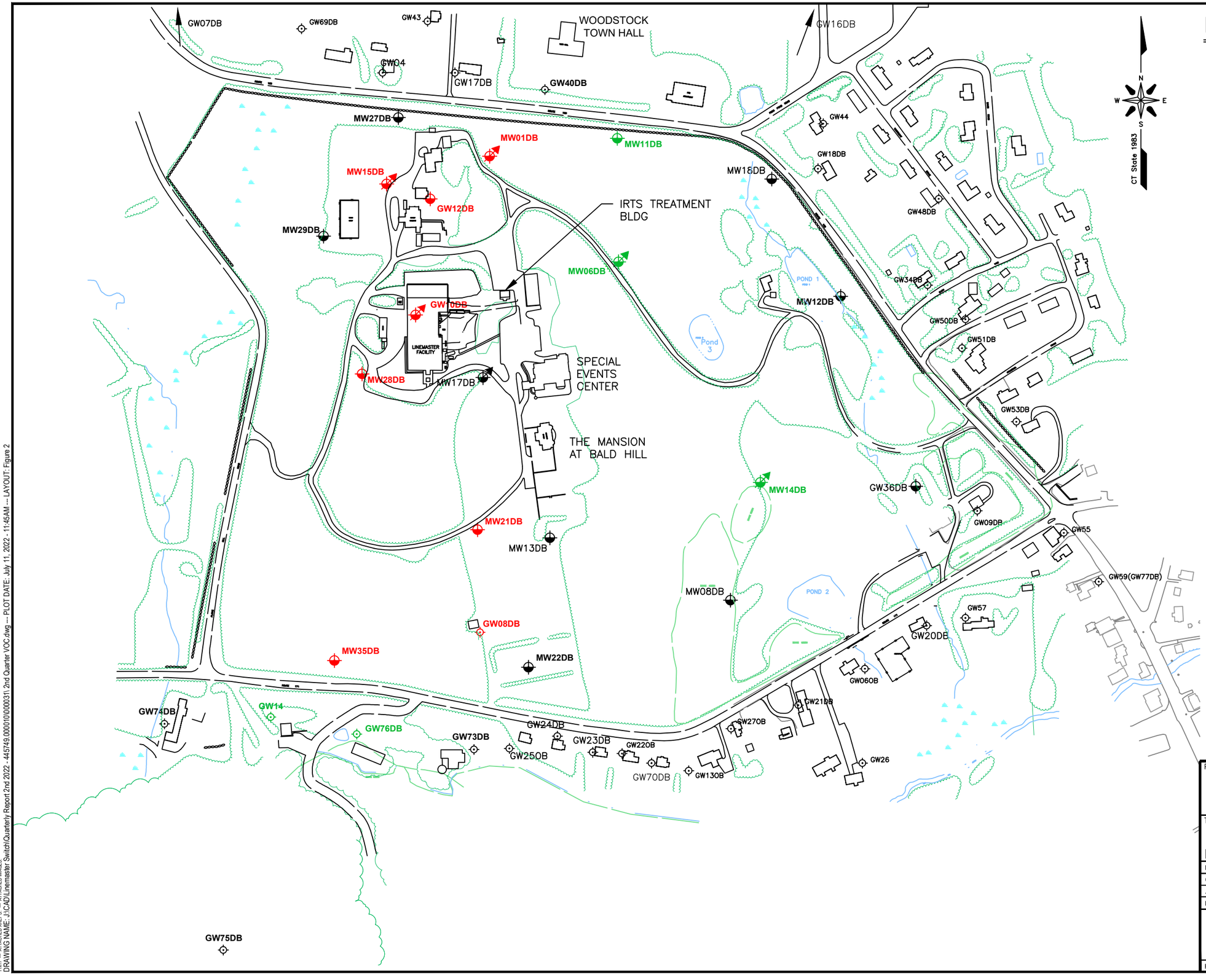
FILE NO.: Site Plan With Monitoring Wells Fig 1.dwg



LEGEND

- EXTRACTION WELL
- DEEP BEDROCK MONITORING WELL
- WATER SUPPLY WELL
- **MW14DB** — VOC SAMPLE COLLECTED FROM THIS LOCATION (BOLD TEXT)
- MW14DB — VOC SAMPLE NOT COLLECTED FROM THIS LOCATION (NORMAL TEXT)
- ONE OR MORE VOC COMPOUNDS DETECTED ABOVE METHOD DETECTION LIMITS
- ONE OR MORE VOC COMPOUNDS EXCEED APPLICABLE CRITERIA

NOTES:

1) IN WATER SUPPLY WELL SAMPLES, CRITERIA EXCEEDANCES WERE DETECTED ONLY IN THE UNTREATED SAMPLES.

SOURCE:

– MAP TITLED "FIGURE 2–1, 2014 ANNUAL MONITORING REPORT, SITE PLAN, LINEMASTER SWITCH CORPORATION, WOODSTOCK, CONNECTICUT", DATED MARCH 2015, SCALE: 1"=300' BY WOODARD & CURRAN.

0 300' 600'

GRAPHIC SCALE

PROJECT:

LINEMASTER SWITCH CORPORATION
29 PLAINE HILL ROAD
WOODSTOCK, CONNECTICUT

TITLE:

2nd QUARTER 2022
VOC DETECTION AND EXCEEDANCE MAP - DEEP BEDROCK AND WATER SUPPLY WELLS

DRAWN BY:	R. HAMILTON	PROJ NO.:	445749.000010.000031
CHECKED BY:	C. CARLSON		
APPROVED BY:	J. OLIVA		**Figure 2**
DATE:	07/11/2022		

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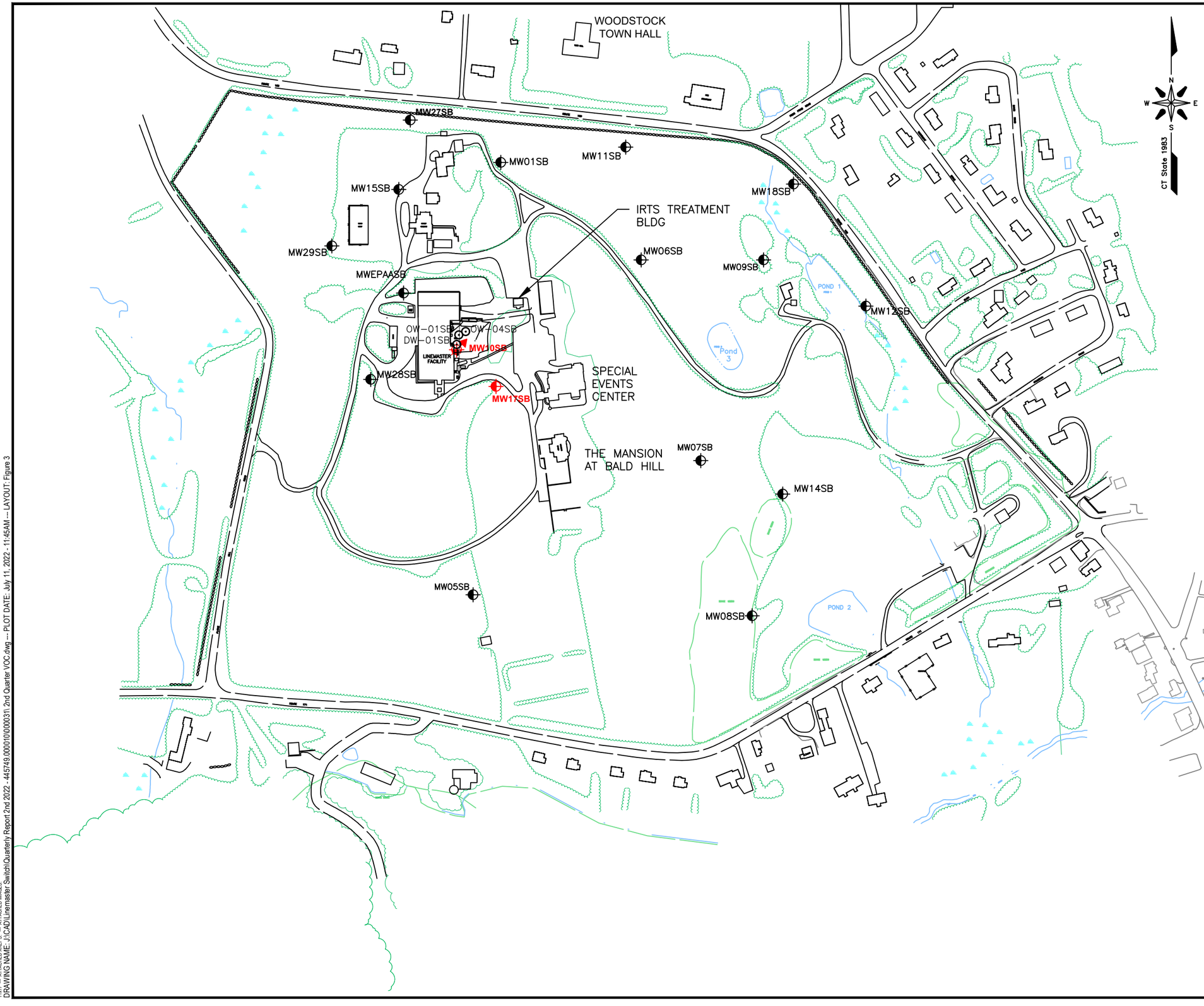
FILE NO.: 2nd Quarter VOC.dwg



LEGEND

- EXTRACTION WELL
- SHALLOW BEDROCK MONITORING WELL
- OBSERVATION WELL
- **MW06SB** — VOC SAMPLE COLLECTED FROM THIS LOCATION (BOLD TEXT)
- MW06SB — VOC SAMPLE NOT COLLECTED FROM THIS LOCATION (NORMAL TEXT)
- ONE OR MORE VOC COMPOUNDS DETECTED ABOVE METHOD DETECTION LIMITS
- ONE OR MORE VOC COMPOUNDS EXCEED APPLICABLE CRITERIA

SOURCE:

– MAP TITLED "FIGURE 2–1, 2014 ANNUAL MONITORING REPORT, SITE PLAN, LINEMASTER SWITCH CORPORATION, WOODSTOCK, CONNECTICUT", DATED MARCH 2015, SCALE: 1"=300' BY WOODARD & CURRAN.

0 300' 600'

GRAPHIC SCALE

PROJECT:
LINEMASTER SWITCH CORPORATION
29 PLAINE HILL ROAD
WOODSTOCK, CONNECTICUT

TITLE:
2nd QUARTER 2022
VOC DETECTION AND EXCEEDANCE MAP - SHALLOW BEDROCK WELLS

DRAWN BY:	R.HAMILTON	PROJ NO.:	445749.000010.000031
CHECKED BY:	C. CARLSON		**Figure 3**
APPROVED BY:	J. OLIVA		
DATE:	07/11/2022		

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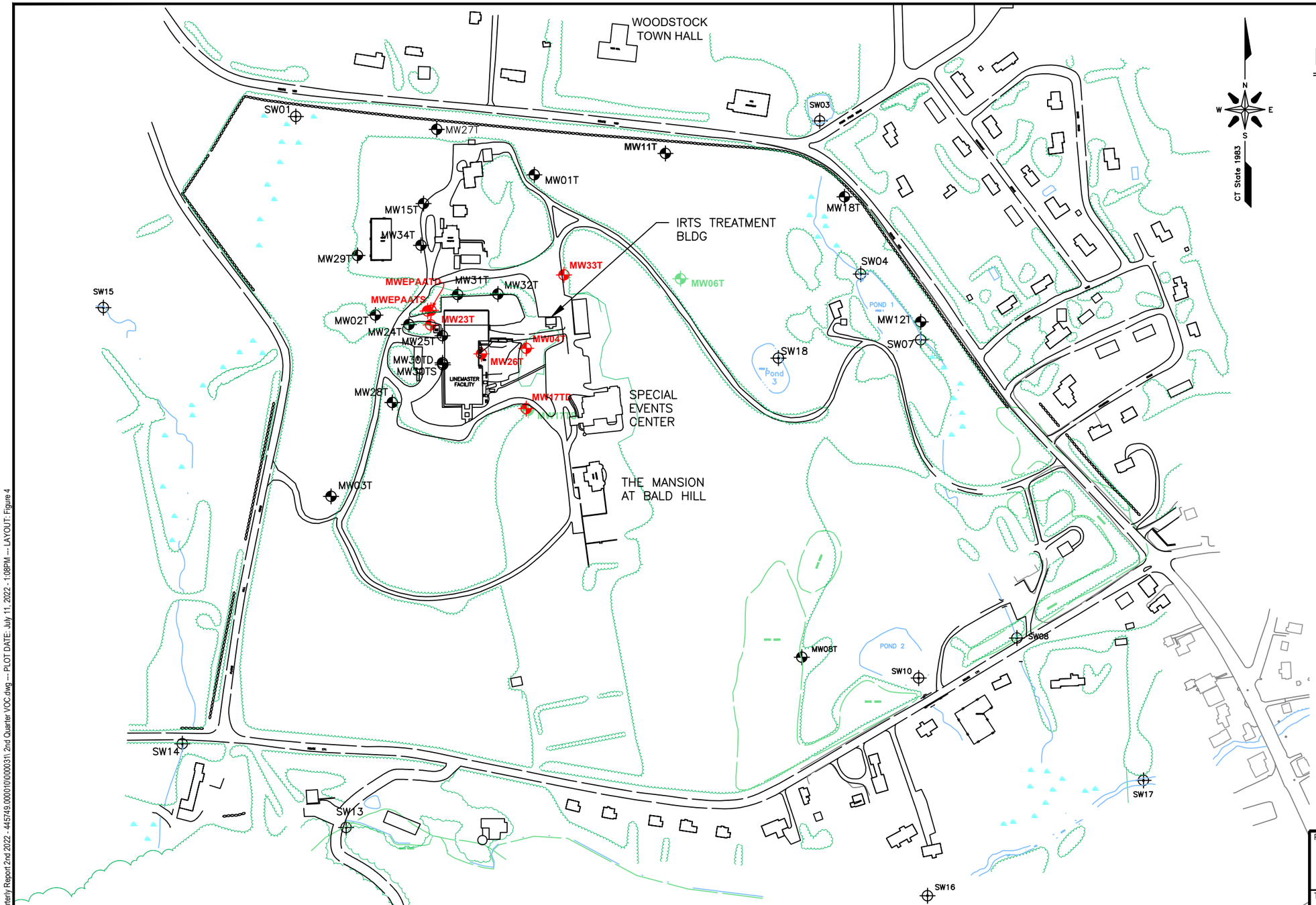
FILE NO.: 2nd Quarter VOC.dwg



LEGEND

⊕	OVERBURDEN MONITORING WELL
⊕	SURFACE WATER SAMPLE LOCATION
MW06T	VOC SAMPLE COLLECTED FROM THIS LOCATION (BOLD TEXT)
MW06T	VOC SAMPLE NOT COLLECTED FROM THIS LOCATION (NORMAL TEXT)
⊕	ONE OR MORE VOC COMPOUNDS DETECTED ABOVE METHOD DETECTION LIMITS
⊕	ONE OR MORE VOC COMPOUNDS EXCEED APPLICABLE CRITERIA

NOTE:
RECONFIGURED PHASE I EXTRACTION WELLS ARE NOT SHOWN ON THIS FIGURE. ONE OR MORE VOC COMPOUNDS EXCEEDED APPLICABLE CRITERIA IN EACH OF THOSE WELLS SAMPLED.

SOURCE:
- MAP TITLED "FIGURE 2-1, 2014 ANNUAL MONITORING REPORT, SITE PLAN, LINEMASTER SWITCH CORPORATION, WOODSTOCK, CONNECTICUT", DATED MARCH 2015, SCALE: 1"=300' BY WOODARD & CURRAN.

0 300' 600'
GRAPHIC SCALE

PROJECT:
LINEMASTER SWITCH CORPORATION
29 PLAINE HILL ROAD
WOODSTOCK, CONNECTICUT

TITLE:
2nd QUARTER 2022
VOC DETECTION AND EXCEEDANCE MAP - OVERBURDEN WELLS

DRAWN BY:	R. HAMILTON	PROJ NO.:	445749.000010.000031
CHECKED BY:	C. CARLSON		**Figure 4**
APPROVED BY:	J. OLIVA		
DATE:	07/11/2022		

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FILE NO.: 2nd Quarter VOC.dwg