Operations & Maintenance Inc.
7 Barton Rd.
Pennellville, NY 13132

Gary Mullen, Jr.
Project Manager
gmullenomi@gmail.com
315-378-5088

May 28, 2024

BY E-MAIL

Michael Belveg, Assistant Engineer (Environmental)
New York State Department of Environmental Conservation
Division of Environmental Remediation
5786 Widewaters Parkway
Syracuse, NY 13214
michael.belveg@dec.ny.gov

Re: Former Miller Container Site – Registry Site # 738029 (the "Site")
- Submission of Periodic Review Report (PRR)
Reporting Period: April 30, 2023 – April 30, 2024

Michael:

Enclosed are the following documents that make up the PRR submittal for the referenced Site for the 2023-2024 reporting period:

a) PRR signed by Onondaga Environmental Institute for the Site Owner, MLT Leasing LLC (copy of original). MLT Leasing LLC is certifying to the portion of the PRR that covers the Institutional Controls (ICs) associated with the Site. Included with the Site Owner submittal is information regarding the recent changes to the interior and changes to the exterior (electronic only).
b) PRR signed by Jeffrey J. Reed, P.E. on behalf of the Remedial Party (RP), Miller Brewing Company (copy of original). This PRR reflects revisions made to the form PRR to reflect the division of certification responsibility between the Site Owner and the RP. As discussed with the Department, the RP is certifying the portion of the PRR that covers the Engineering Controls (ECs) associated with the Site[1]; and
c) Year 27 Annual Groundwater Monitoring Report. This is in the same format that we have used in the course of the remediation. We will continue to use this format for PRR purposes as provided in the Site Management Plan (SMP) (October 2016) (see section 5.3 of the SMP). Appendices will be sent as an electronic copy only.

[1] Note that Box 3 in the RP version of the PRR makes reference to the recorded Declaration of Covenants and Restrictions as containing the existing ICs because that reflects our understanding of the scope of the ICs that are in effect. However, the RP is making no certification as to the ICs because that is the obligation of the Site Owner

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In accordance with the directions provided under the Department's March 19, 2024 email sent to Jay Eversman at Anheuser-Busch Cos., LLC, all the enclosures will be forwarded to you by e-mail.

Regards,
OPERATIONS & MAINTENANCE, INC.

Gary Mullen
Project Manager

Enclosures
ecc: Margaret Sheen, Esq., NYSDEC Region 7
Harry Warner, NYSDEC Region 7
Eamonn O'Neil, NYSDOH
Maureen Schuck, NYSDOH
Jay Eversman, Esq. Anheuser-Busch Cos., LLC
Kiera States, MLT Leasing
Edward Michalenko, Ph.D., Onondaga Environmental Institute
William Buchan, Operations & Maintenance Inc.
Bryce Dingman, Barton & Loguidice

Enclosure 2

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

Site Details **Box 1**

Site No. **738029**

Site Name Former Miller Container Site

Site Address: NY Route 57 Zip Code: 13069
City/Town: Volney
County: Oswego
Site Acreage: 12.704

Reporting Period: April 30, 2022 to April 30, 2023

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☑	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

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

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 738029

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I EDWARD M. MAHLENKO at 6493 Rongs Rd Syr. NY 13206
print name print business address

am certifying as OWNER REPRESENTATIVE (Owner or Remedial Party)

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

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

5-22-24
Date

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

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

Site Details **Box 1**

Site No. 738029

Site Name Former Miller Container Site

Site Address: NY Route 57 Zip Code: 13069
City/Town: Volney
County: Oswego
Site Acreage: 12.704

Reporting Period: April 30, 2023 to April 30, 2024

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 738029 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
	MLT Leasing LLC	Ground Water Use Restriction

* Not applicable to remedial party, ICs are the responsibility of the site owner as recorded in the Declaration of Covenants & Restrictions for the site.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
Tax Map #254.00-05-04.01	Groundwater Treatment System Air Sparging/Soil Vapor Extraction Groundwater Extraction System

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES	NO
X	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 738029

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

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

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Jeffrey J. Reed, P.E. at 443 Electronics Pkwy, Liverpool, NY 13088,
print name print business address

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

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		05/29/2024

Annual Groundwater Monitoring Report Year 27 (May 2023 - April 2024)

Miller Brewing Groundwater Recovery and Treatment System
NYSDEC Site # 7-38-029
Former Miller Container Site
Volney, New York

Submitted To:
New York State Department of Environmental Conservation
Division of Environmental Remediation
5786 Widewaters Parkway
Syracuse, NY 13214

Prepared by:
Operations & Maintenance Inc.
1850 Route 57
Fulton, New York 13069

May 2024

Table of Contents

INTRODUCTION

Operations & Maintenance, Inc. (OMI) has prepared this Annual Groundwater Monitoring Report (AGWMR) on behalf of Miller Brewing Company (Remedial Party – RP) for submission to the New York State Department of Environmental Conservation (NYSDEC) for the Former Miller Container site (NYSDEC Site #7-38-029) located in Volney, NY. It reflects the progress made toward achieving the Remediation Goals identified at 6.0 of the Record of Decision (ROD) (dated March 1995) that was issued by NYSDEC for this Site and the associated Standards, Criteria, and Guidance (SCGs).

This report covers the period from April 30, 2023 to April 30, 2024 inclusive (operating year) and is organized in general accordance with the NYSDEC approved outline. This report is being submitted in conjunction with the completed "*Site Management Periodic Review Report Notice - Institutional and Engineering Controls Certification Form*" and the combined documents fulfill the requirements of the approved Site Management Plan (December 2016) for submittal of an annual Periodic Review Report (PRR).

The responsibilities for implementing the SMP are divided between the Site Owner and the RP, because the RP has no control over the Site Owner's activities on the Site. Therefore, as the RP, Miller Brewing Company is responsible for the three Engineering Controls (ECs) that are identified in the SMP (i.e., the Groundwater Extraction System, Groundwater Treatment Facility and Soil Vapor Extraction System). A detailed discussion of the RP responsibilities is included in Section 6.2 of the SMP. The Site Owner, currently MLT Leasing LLC, is responsible for the Institutional Controls (ICs). The ICs are defined in Section 2.3 of the approved SMP and in the Declaration of Covenants and Restrictions recorded June 26, 2015 in the Oswego County Clerk's office.

This report is focused on the reporting of all relevant operations, monitoring and data reporting associated with the ECs to assess and support the certification that they are functioning correctly and continue to address the Remediation Goals for the Site.

OVERALL SITE PROGRESS

Monitoring well and recovery well sampling demonstrates that the contaminant plume on the Former Miller Container site continues to shrink. The contaminant levels reported in the outlying monitoring wells continue to trend downward. The VOC levels reported from the sampling of the source recovery wells also continue to decline.

Since November of 2013, the City of Fulton Water Treatment Facility has been mothballed because its operation was no longer necessary due to the drop of contaminant levels in municipal production well, M-2A. The RP is not required to conduct sampling of M-2A. Currently, water is being pumped from M-2A to the Oswego River in accordance with a NYSDEC Consent Order with Riccelli Fulton, LLC.

The Soil Vapor Extraction system continues to accelerate site remediation by providing mass removal in conjunction with the groundwater recovery system. The SVE system is also providing additional protection against Soil Vapor Intrusion into the on-site structure.

Progress made toward achieving the Remediation Goals identified in the ROD for this Site is discussed under the Conclusions section of this report.

REMEDIAL TREATMENT SYSTEM OPERATION

GROUNDWATER RECOVERY SYSTEM

The current groundwater recovery system consists of nine (9) groundwater Recovery Wells (RWs). The nine Recovery Wells were in operation for the entire reporting period with minor exceptions when the system was off for maintenance or offline due to equipment malfunction.

The following table summarizes the flow rates for the nine Recovery Wells for the 2023-2024 operating year.

April 28, 2023 - April 24, 2024

Well	Total (gallons)	GPD	GPM
RW-2	989462	2733	1.90
RW-3	97772	270	0.19
RW-4	375521	1037	0.72
RW-5R	724535	2001	1.39
RW-8	279778	773	0.54
RW-9	51001	141	0.10
RW-11	210411	581	0.40
RW-12	1393086	3848	2.67
RW-13	175067	484	0.34
Totals	**4,296,633**	**11,869**	**8.2**

Based on the individual recovery well totalizers, a total of 4,296,633 gallons of groundwater were recovered during the reporting period at an average flow rate of 8.2 gallons per minute to the treatment system. The production rates are constantly monitored throughout the year and adjustments are made to improve the rates from individual wells.

The flow to the Air Stripper Treatment (AST) system is also monitored using an electromechanical flow meter. This meter indicated a total of 5,699,353 gallons of water were treated at the Groundwater Treatment Facility (GWTF). The readings from the AST influent flow meter are assumed to be more representative of the actual flow that passes through the treatment system. The daily totalizer readings from the AST flow meter are presented in Appendix A.

RECOVERY SYSTEM MONITORING RESULTS

The operating recovery wells were sampled four times (quarterly) during the reporting period. Samples were collected from the in-line taps and submitted for laboratory analysis. The results were reported to NYSDEC in the quarterly monitoring reports.

The following table summarizes the laboratory analytical results for the RW samples collected during the monitoring events this reporting period. The summary table includes all results for any compound reported at or above the Method Detection Limit (MDL) in any sample. Compounds above the SCGs are in bold. All concentrations are presented in μg/l:

RECOVERY WELLS - USEPA Method 8260c

WELL	Date	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1-TCA	TCE	Vinyl Chloride
RW-2	20-Jul-23	4.6	**6.4**	**19**	**84**	**6.2**	**16**	2.2
	11-Oct-23	<5	<5	**17**	**60**	<5	**15**	<5
	10-Jan-24	2.7	3.7	**14**	**59**	3.0	**11**	<2
	11-Apr-24	<5	<5	**13**	**47**	<5	**17**	<5
RW-3	20-Jul-23	<1	<1	3.2	**46**	2.1	**6.0**	<1
	11-Oct-23	<1	<1	2.3	**27**	<1	4.0	<1
	10-Jan-24	<1	<1	<1	**7.1**	<1	1.00	<1
	11-Apr-24	<1	<1	1.5	**21**	<1	2.6	<1
RW-4	20-Jul-23	1.8	2.0	**20**	**85**	**7.9**	**9.4**	2.2
	11-Oct-23	1.5	1.5	**14**	<1	3.7	**7.8**	<1
	10-Jan-24	1.3	1.1	**12**	**47**	3.9	**6.4**	<1
	11-Apr-24	1.3	1.5	**14**	**78**	**5.5**	**9.2**	<1
RW-5R	20-Jul-23	1.4	<1	**8.4**	**42**	1.3	3.6	<1
	11-Oct-23	<1	<1	**5.1**	**25**	<1	2.7	<1
	10-Jan-24	<1	<1	**6.0**	**34**	<1	3.0	<1
	11-Apr-24	<1	<1	**4.7**	**40**	1.00	3.1	<1
RW-8	20-Jul-23	1.6	1.1	2.6	1.1	1.6	<1	<1
	11-Oct-23	1.2	<1	2.0	<1	<1	<1	<1
	20-Jan-24	<1	<1	1.1	<1	<1	<1	<1
	11-Apr-24	1.2	<1	<1	<1	<1	<1	<1
RW-9	20-Jul-23	**7.9**	2.3	**79**	**7.0**	2.8	**8.7**	**13**
	11-Oct-23	**7.3**	2.2	**92**	3.5	<1	**11**	**13**
	10-Jan-24	3.1	1.1	**29**	2.3	<1	4.7	<1
	11-Apr-24	**8.0**	3.0	**80**	**6.2**	1.5	**13**	**7.8**
RW-11	20-Jul-23	<1	<1	<1	1.1	<1	<1	<1
	11-Oct-23	<1	<1	<1	<1	<1	<1	<1
	10-Jan-24	<1	<1	<1	1.00	<1	<1	<1
	11-Apr-24	<1	<1	<1	2.0	<1	<1	<1
RW-12	20-Jul-23	<1	<1	<1	1.3	<1	<1	<1
	11-Oct-23	<1	<1	<1	1.1	<1	<1	<1
	10-Jan-24	<1	<1	<1	1.2	<1	<1	<1
	11-Apr-24	<1	<1	<1	1.7	<1	<1	<1
RW-13	20-Jul-23	3.5	3.3	3.4	<1	<1	2.5	<1
	11-Oct-23	3.6	3.0	3.7	<1	<1	2.7	<1
	10-Jan-24	1.9	1.6	1.5	<1	<1	1.9	<1
	11-Apr-24	3.3	3.5	3.2	1.4	<1	2.8	<1

An estimate of the mass-removal of site related contaminants of concern was calculated for the reporting period by multiplying the total gallons (converted to liters) recovered from each well by the average concentration of each compound reported. Based on the calculation method, a total of 0.856 kg (1.89 lbs) of contaminants were removed from the groundwater recovered from the RWs. The following table summarizes the calculations. The readings are presented in grams:

WELL	Flow in Liters	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Total VOC
RW-2	3745509	14	19	59	234	17	55	8	406
RW-3	370106	0.55	0.56	5.6	26	1.9	3.0	0.09	38
RW-4	1421497	4.0	4.7	44	152	14.9	15.4	3.2	239
RW-5R	2742655	3.8	0.0	17	97	3.2	9	0.0	129
RW-8	1059072	1.4	1.2	2.0	1.2	1.7	0.0	0.0	7.4
RW-9	193059	1.3	0.4	13.5	0.9	0.42	1.8	2.2	21
RW-11	796490	0.0	0.0	0.2	1.1	0.0	0.0	0.0	1.3
RW-12	5273388	0.0	0.0	0.0	7.0	0.0	0.0	0.0	7.0
RW-13	662699	2.0	1.9	2.0	0.9	0.0	1.6	0.2	8.6
Totals	16264475	27	28	143	520	39	86	14	856

The table below represents the calculated mass removal since the startup of the GWTF (1997). Using these figures, an estimated 694 pounds of contaminants have been removed using the groundwater recovery well network.

Calculated Mass Removal (pounds)

Year	Calculated Mass	Year	Calculated Mass
1997-1998	180	2010-2011	16.8
1998-1999	100	2011-2012	30.8
1999-2000	50	2012-2013	24.6
2000-2001	35	2013-2014	16.5
2001-2002	47	2014-2015	17.3
2002-2003	37.4	2015-2016	8.9
2003-2004	27.9	2016-2017	7.6
2004-2005	32.4	2017-2018	6.1
2005-2006	10.4	2018-2019	4.6
2006-2007	3.7	2019-2020	5.6
2007-2008	3.5	2020-2021	6.0
2008-2009	6.8	2021-2022	3.7
2009-2010	7.9	2022-2023	5.7
		2023-2024	1.9
		Total	698.1

GROUNDWATER TREATMENT SYSTEM

The groundwater treatment system processes the combined influent of the Recovery Wells through the air stripper prior to discharge. The system was in continuous operation throughout the reporting period except for brief periods of system maintenance. Based on the in-line flow meter, a total of 5,699,353 gallons of recovered groundwater were discharged after treatment. The flow rate through the facility varies slightly throughout the year from seasonal fluctuation in production.

Influent and effluent samples from the Groundwater Treatment Facility (GWTF) are collected from the in-line sampling ports on a monthly basis and analyzed in accordance with the approved SMP. The influent sample is referred to as "AST INF" and the effluent is referred to as the "Final EFF." The results are reported to NYSDEC quarterly.

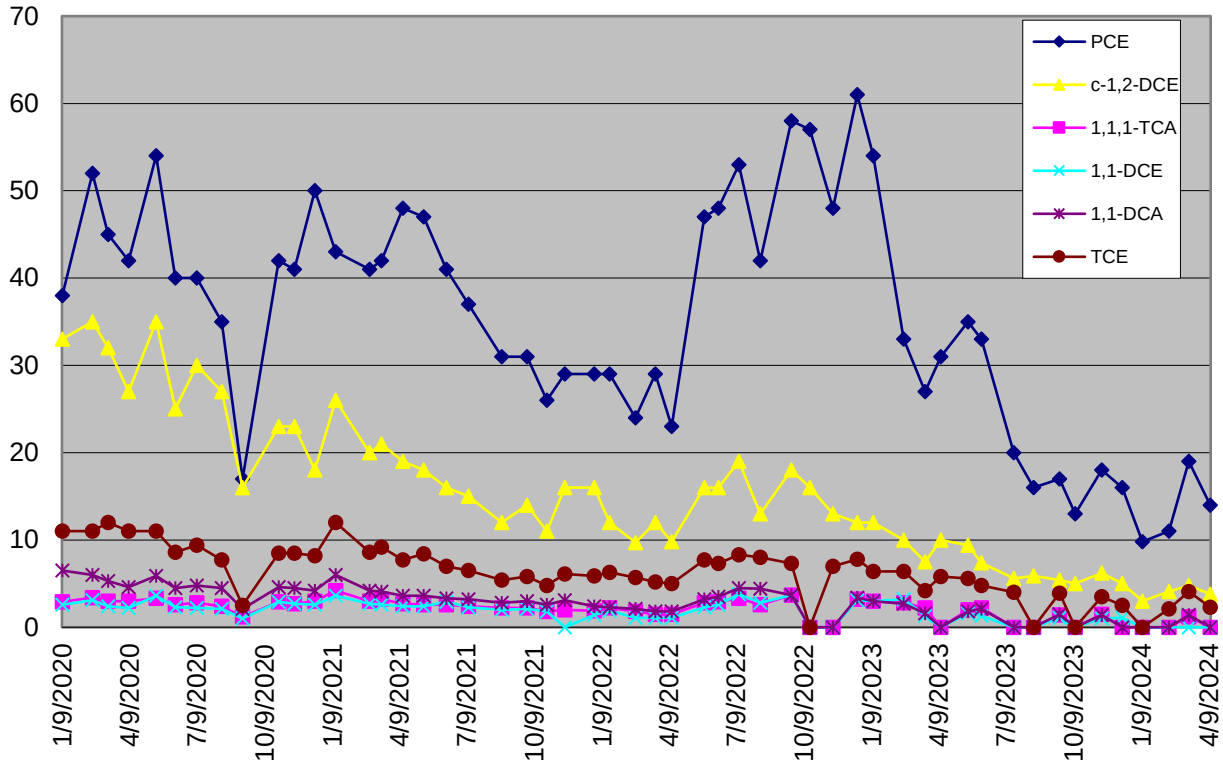
Individual VOCs were reported in the AST INF samples at concentrations in excess of the MDL. The highest reported concentrations were PCE ranging from 9.8μg/l to 35μg/l and its daughter product, cis-1,2-DCE from 3.0μg/l to 9.4μg/l. Graphical analysis from January 2020 through April 2024 of the data indicates that the concentrations of individual and total VOCs continue to demonstrate variability over time with an overall declining trend.

The following table summarizes the AST INF sampling results for this reporting period. The line graph that follows, represents the past five years of AST INF analytical data. All concentrations are presented in μg/l.

AST INFLUENT SAMPLE RESULTS SUMMARY

DATE	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1-TCA	TCE	**TOTAL**
19-May-23	**1.8**	**1.6**	**9.4**	**35**	**2.0**	**5.6**	55.4
6-Jun-23	**2.1**	**1.3**	**7.4**	**33**	**5.2**	**4.8**	53.8
20-Jul-23	<2	<2	**5.6**	**20**	<2	**4.0**	29.6
16-Aug-23	<5	<5	**5.9**	**16**	<5	<5	21.9
20-Sep-23	**1.5**	**1.1**	**5.4**	**17**	**1.4**	**3.9**	30.3
11-Oct-23	<5	<5	**5.0**	**13**	<5	<5	18.0
16-Nov-23	**1.4**	**1.00**	**6.2**	**18**	**1.5**	**3.5**	31.6
14-Dec-23	<1	<1	**5.0**	**16**	<1	**2.5**	23.5
10-Jan-24	<2	<2	**3.0**	**9.8**	<2	<2	12.8
15-Feb-24	<1	<1	**4.1**	**11**	<1	**2.1**	17.2
13-Mar-24	**1.4**	<1	**4.8**	**19**	**1.2**	**4.1**	30.5
11-Apr-24	<2	<2	**3.8**	**14**	<2	**2.3**	20.1

AST INF Concentrations 2020 through present



The treatment system continues to perform as intended. The VOCs in the recovered groundwater are removed by the air stripper prior to discharge. To date, there has been no reported concentration of any compound in excess of the discharge limits (see Appendix W of the SMP), for the Final EFF sample**.** The Air Stripper Treatment (AST) system continues to reduce the contaminant load to below the MDL of 1.0 μg/l from the recovered groundwater.

An additional requirement to monitor for Total Dissolved Solids (TDS) was placed on the Final EFF sample as part of the renewal of the substantive requirements of the SPDES program. Although listed as a limit on the substantive requirements, the requirement for TDS is one of monitor and report only. The GWTF does not have the ability to remove TDS from the recovered groundwater. The TDS, in mg/l, is reported to NYSDEC quarterly. For the 2023-2024 reporting period, the TDS levels ranged from 1000 mg/l to 1500 mg/l as seen in the following table.

DATE	2023-2024 TDS mg/l	2022-2023 TDS mg/l	2021-2022 TDS mg/l	2020-2021 TDS mg/l	2019-2020 TDS mg/l
June	1400	1500	1800	2000	1200
July	1500	1600	1800	2000	1300
August	N/A	1700	1500	2000	2000
September	1500	1500	1800	1700	2100
October	1500	1600	1500	2000	1700
November	1300	1400	1700	1900	1200
December	1000	1400	1700	2000	2100
January	1200	1500	1500	1900	2100
February	1400	1700	1200	1900	2000
March	1400	1300	1200	1800	1800
April	1400	1400	1400	1800	2300
May		1300	1300	1800	2000

RECOVERY SYSTEM PERFORMANCE

The following table represents the annual average pumping rate, in gallons per minute, for each of the recovery wells. Production rates fluctuated slightly from previous reporting periods. The production from RW-5R is restricted to prevent impeller wear from excessive silt in the recovered groundwater. All well pumps are on a preventative maintenance schedule to maintain optimal production rate. The frequency of the maintenance schedule varies between wells and may be adjusted based on flow rate monitoring.

Average Annual Flow Rate (GPM)

Well	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
RW-2	2.24	3.51	2.74	3.53	1.90
RW-3	0.25	0.16	0.18	0.19	0.19
RW-4	0.43	0.57	0.57	0.48	0.72
RW-5R	2.36	1.57	1.47	1.58	1.39
RW-8	2.46	1.64	1.99	0.66	0.54
RW-9	0.13	0.10	0.14	0.12	0.10
RW-11	0.93	0.85	0.53	0.76	0.40
RW-12	2.52	2.30	2.29	2.56	2.67
RW-13	0.73	0.66	0.58	0.35	0.34

CITY OF FULTON WATER TREATMENT FACILITY (WTF)

The City of Fulton WTF remained off throughout the reporting period. As noted in the previous annual reports, the treatment system was shut-down May 20, 2012. At the time of shut-down, the water from M-2A was directed to the Oswego River under a SPDES permit obtained by Riccelli Fulton, LLC. The City was given approval to use the water from K-1 without treatment on December 13, 2012.

The water from M-2A continued to be discharged directly to the Oswego River throughout this entire reporting period due to elevated chloride levels.

GROUNDWATER MONITORING RESULTS

Annual sampling of select groundwater monitoring wells, known as the Early Warning Network (EWN), and quarterly sampling of the active recovery wells is performed to evaluate the effectiveness of the groundwater recovery system.

For evaluation of the groundwater recovery system, the EWN and active RW wells are divided into six functional groups. They are the; Northern Operable Unit Source (NOU-S) and Plume (NOU-P) areas, the Southern Operable Unit Source (SOU-S) and Plume (SOU-P) areas, the Taylor Property (TP), and Municipal Well Field (MWF).

The following table lists the wells and their sampling frequency (ƒ), either annually (A) or quarterly (Q) in their functional monitoring groups.

FUNCTIONAL MONITORING GROUPS											
Northern Operable Unit				Southern Operable Unit				Taylor Property		Municipal Wells	
Source Area		Plume Area		Source Area		Plume Area					
Well	ƒ	Well	ƒ	Well	ƒ	Well	ƒ	Well	ƒ	Well	ƒ
MW-2S	A	MW-8D	A	MW-36S	A	MW-37I	A	MW-21S	A	MW-28I	A
MW-3D	A	MW-17D	A			RW-8	Q	MW-32D	A		
MW-16D	A	MW-61D	A			RW-9	Q	MW-33S	A		
MW-38S	A	RW-2	Q					MW-34D	A		
RW-3	Q	RW13	Q					MW-35D	A		
RW-4	Q							RW-11	Q		
RW-5R	Q							RW-12	Q		

The laboratory analytical results for the sampling of the RWs were reported in a previous section. The results for the functional monitoring groups are reported below. Location of the monitoring wells, recovery wells and the functional monitoring groups can be referenced on Figure 2 attached to this report. The Taylor Property has been included in the NOU-P area. The NOU-S area is shown in orange and the NOU-P is yellow. The SOU-S is pink, and SOU-P is a lighter shade of pink. The Municipal Well Field is shaded green. Figure 1 depicts the location of monitoring and recovery wells referenced in this report with the exception of the replacement well RW-5R. Figure 3 depicts the location of replacement RW-5R.

NORTHERN OPERABLE UNIT

NOU-Source Area

Four groundwater monitoring wells (MW-2S, MW-3D, MW-16D and MW-38S) are sampled annually and, three recovery wells (RW-3, RW-4, and RW-5R) are sampled quarterly to monitor and evaluate water quality in the NOU-Source area. The analytical data from April 2021 through the April 2024 is summarized in the table below for trend assessment. All concentrations are presented in μg/l:

MW-2S	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1-TCA	TCE	Vinyl Chloride	TOTAL VOCs
13-Apr-21	<5	<5	**190**	**38**	<5	<5	<5	228
13-Apr-22	<5	<5	**200**	**26**	<5	<5	<5	226
11-Apr-23	<5	<5	**450**	**29**	<5	<5	<5	479
11-Apr-24	<5	<5	**190**	**27**	<5	<5	<5	217
MW-3D								
13-Apr-21	<1	<1	2.8	**35**	1.8	3.2	<1	43
13-Apr-22	<1	2.4	4.9	**98**	**6.1**	**12**	<1	123
11-Apr-23	<1	<1	3.4	**56**	2.8	**5.6**	<1	68
11-Apr-24	<1	<1	2.2	**51**	1.9	4.5	<1	60
MW-16D								
13-Apr-21	4.0	**6.7**	**38**	**90**	**19**	**5.4**	4.3	167
13-Apr-22	2.0	**5.7**	**17**	**79**	**13**	3.3	1.5	122
11-Apr-23	<1	<1	1.6	**36**	1.6	<1	<1	39
11-Apr-24	<1	<1	<1	**8.9**	<1	<1	<1	9
MW-38S								
13-Apr-21	**35**	**8.9**	**54**	**55**	**6.7**	**7.8**	<1	167
13-Apr-22	**86**	**34**	**120**	**90**	**14**	**16**	<1	360
11-Apr-23	**160**	**46**	**130**	**81**	**9.9**	**12**	1.6	441
11-Apr-24	**61**	**24**	**44**	**37**	3.0	4.8	<1	174

MW-2S, MW-3D, MW-16D and MW-38S have shown improvements in the water quality over the past four years. The COCs in these wells clearly demonstrate a declining trend as noted on the line graphs of the past 7-year data set (Appendix C). The VOC concentrations will continue to be monitored in these monitoring wells.

The VOC levels reported for MW-38S fluctuate widely as noted in many of the shallow monitoring well locations throughout history. Contaminant level monitoring will continue to determine any potential for improvement in this area.

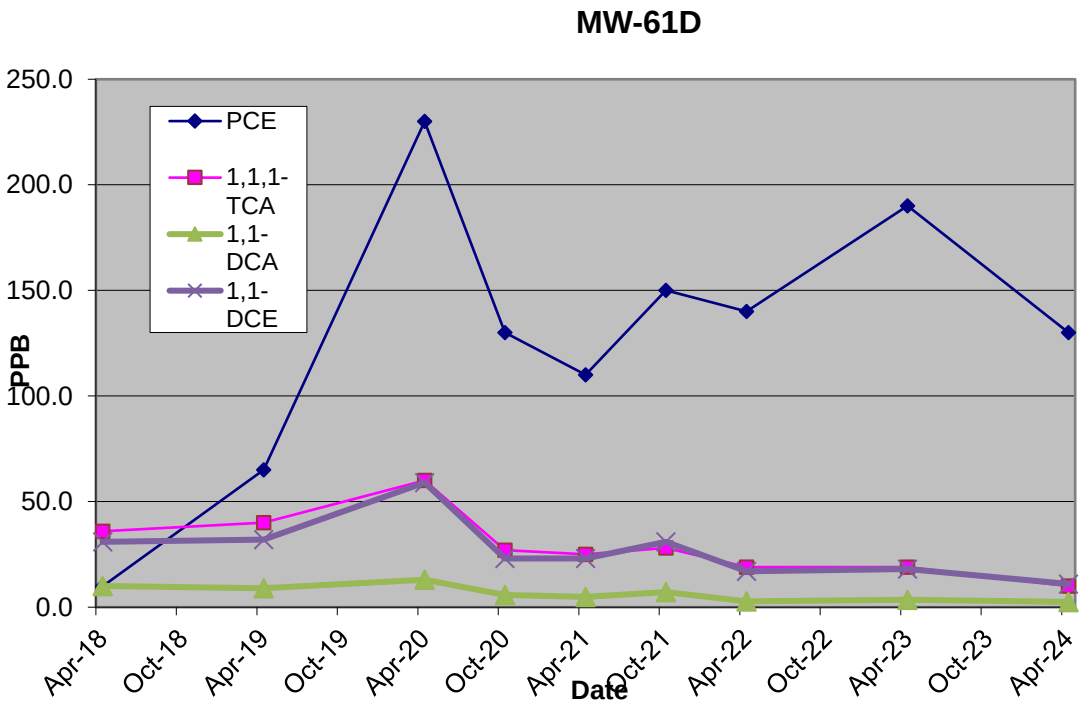
NOU-Plume Area

Three groundwater monitoring wells (MW-8D, MW-17D, and MW-61D) are sampled annually and two recovery wells (RW-13 and RW-2) are sampled quarterly to monitor and evaluate water quality in NOU-P.
One or more VOCs were reported in samples collected from MW-8D, MW-17D and MW-61D at concentrations >5.0 µg/l for the April 2024 sampling event. The following table summarizes the results for these wells. All concentrations are presented in µg/l.

MW-8D	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1-TCA	TCE	TOTAL
13-Apr-21	**6.0**	4.6	3.6	**13**	**8.5**	**8.2**	44
13-Apr-22	4.5	4.8	1.5	**16**	**6.3**	3.2	36
11-Apr-23	**9.1**	**7.8**	4.8	**16**	**7.4**	**12**	57
11-Apr-24	**9.4**	**6.0**	**9.0**	**18**	**5.2**	**7.3**	55
MW-17D	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1-TCA	TCE	TOTAL
13-Apr-21	**7.8**	3.0	3.6	2.0	**5.0**	0.53	22
13-Apr-22	**11**	**6.7**	**5.4**	2.0	**7.3**	<1	32
11-Apr-23	**9.6**	3.8	**5.2**	1.4	**5.4**	<1	25
11-Apr-24	**6.4**	2.8	**5.0**	1.0	3.6	<1	19
MW-61D	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1-TCA	TCE	TOTAL
13-Apr-21	4.6	**23**	**16**	**110**	**25**	**5.1**	184
13-Apr-22	2.8	**17**	**11**	**140**	**19**	**5.6**	195
11-Apr-23	3.5	**18**	**10.0**	**190**	**19**	**7.2**	248
11-Apr-24	2.5	**11**	**7.1**	**130**	**10.0**	4.5	165

The contaminant levels reported for the samples collected from MW-8D and MW-17D are consistent with historical values.

The following graph depicts VOCs in MW-61D for the past six years. MW-61D contaminant concentrations increased slightly until 2020 and have generally been decreasing since with the exception of PCE.



SOUTHERN OPERABLE UNIT

SOU-Source Area

SOU-S is evaluated by the annual sampling of MW-36S. A summary of the analytical results for samples collected from MW-36S is included in the following table. The line graph for MW-36S has been removed from Appendix C. All concentrations are presented in μg/l.

MW-36S	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1 - TCA	TCE	Vinyl Chloride	TOTAL
13-Apr-21	<1	<1	1.8	<1	<1	<1	<1	**1.8**
13-Apr-22	<1	<1	<1	<1	<1	<1	<1	**0.0**
11-Apr-23	<1	<1	2.3	<1	<1	<1	<1	**2.3**
11-Apr-24	<1	<1	<1	<1	<1	<1	<1	**0.0**

SOU-Plume Area

SOU-P is monitored and evaluated by the annual sampling of MW-37I and the quarterly sampling of RW-8 and RW-9. VOCs were reported in the annual sample collected from MW-37I at a concentration near the SCG of 5.0 μg/l. The results for MW-37I are summarized in the table below. All concentrations are presented in μg/l.

MW-37I	1,1-DCA	1,1-DCE	c-1,2-DCE	PCE	1,1,1-TCA	TCE	Vinyl Chloride	TOTAL
13-Apr-21	<1	<1	1.5	2.8	<1	<1	<1	4.3
13-Apr-22	1.1	<1	3.0	3.3	<1	<1	<1	7.4
11-Apr-23	1.6	<1	5.5	2.2	<1	<1	<1	9.3
11-Apr-24	1.3	<1	**9.5**	3.2	<1	<1	<1	14.0

The analytical data for MW-37I has shown a decreasing trend over the past 7 years as noted on the line graph in Appendix C. The analytical data from the sampling of RW-8 and RW-9 continues to demonstrate declining concentrations of all COCs.

FORMER TAYLOR PROPERTY

The Former Taylor Property Monitoring Well network is assumed to be directly upgradient of the City of Fulton Municipal Well M-2A. Groundwater quality on the Taylor Property is monitored and evaluated by the collection and analysis of groundwater samples from five monitoring wells (MW-21S, MW-32D, MW-33S, MW-34D, and MW-35D) annually, and two recovery wells, RW-11, and RW-12 quarterly. The declining trends noted at these wells in the past Annual Reports continue and indicate that hydraulic control is being maintained in this area and the recovery well network is protective of the municipal well field.

The concentrations reported for all Taylor Property wells, except MW-34D, now meet SCGs for the identified COCs. The VOC concentrations reported in MW-34D dropped to the SCG as noted in the table below and in the graph included in Appendix C.

Recovery operations from RW-10 were halted in August 2015 and the pump was allowed to remain off. The downward trends of COC's noted in the surrounding monitoring wells (MW-21S, MW-33S, and MW-34D) have continued with RW-10 off. Line graphs of the analytical data for the past 7 years from MW-33S and MW-34D are included in Appendix C. The line graph for MW-35D is no longer included as the concentrations are below the MDL. The data supports allowing RW-10 to remain off-line since the concentrations in these monitoring wells are consistently below the SCGs and the concentration of PCE in MW-34D is fluctuating around the SCG level. Continued monitoring of these wells on an annual basis will provide sufficient information to determine if resumption of pumping at RW-10 is required.

The results of the sampling of MW-34D are summarized in the following table. All concentrations are presented in μg/l.

MW-34D	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TOTAL
13-Apr-21	<1	<1	**5.3**	1.6	6.9
13-Apr-22	<1	<1	**5.9**	2.3	8.2
11-Apr-23	1.3	1.1	**6.8**	2.9	12
11-Apr-24	<1	<1	**5.0**	1.5	6.5

CITY OF FULTON MUNICIPAL WELL FIELD

Early warning detection for the City of Fulton Well field is provided by the annual sampling of monitoring well MW-28I. No compounds were reported above the MDL of 1.0μg/l in MW-28I since April 2017.

SOIL VAPOR EXTRACTION SYSTEM

The SVE system is currently targeting a large area under the former container facility. The details of the installation can be found in the NYSDEC-approved Soil Vapor Extraction System Construction Completion Report prepared by AECOM (dated August 16, 2012) (Appendix T to the SMP).

The SVE system was in continuous operation this entire reporting period. Certain wells are utilized for extraction based on historical analytical data and physical location. The following table presents the previous cycling operation prior to September 2015. The final column denotes the wells in operation from September 2015 through April 2024.

Dates	01/14/15	03/13/15	04/14/15	06/03/15	07/01/15	08/14/15	09/29/15
Well	03/13/15	04/14/15	06/03/15	07/01/15	08/14/15	09/29/15	04/30/24
DPEN-1	**ON**	off	off	off	off	off	**ON**
DPEN-2	**ON**	off	**ON**	off	**ON**	off	**ON**
DPEN-3	**ON**	off	**ON**	off	**ON**	off	off
DPEN-4	**ON**	off	**ON**	off	**ON**	off	**ON**
DPEN-5	**ON**	off	**ON**	off	**ON**	off	off
SVEN-1	**ON**	off	**ON**	off	off	off	off
SVEN-2	**ON**	off	**ON**	off	**ON**	off	**ON**
SVEN-3	**ON**	off	---	off	off	off	off
SVEN-4	**ON**	off	---	off	off	off	off
SVEN-5	**ON**	off	off	off	off	off	off
SVEN-6	Off	off	off	off	off	off	**ON**
SVEN-7	**ON**	off	off	off	off	off	**ON**
SVEN-8	**ON**	off	**ON**	off	**ON**	off	**ON**
SVEN-9	---	off	---	off	**ON**	off	off
SVEN-10	Off	off	off	off	**ON**	off	**ON**
SVEN-11	Off	off	**ON**	off	**ON**	off	**ON**
DPES-1	**ON**	off	**ON**	off	**ON**	off	off
SVES-1	**ON**	off	**ON**	off	**ON**	off	off

Generally, the system is operated to provide between 3.0” Hg to 5.0” Hg vacuum to the active recovery points. Operational data is collected from the active recovery points as well as the combined influent to provide flow information for calculating mass removal rates. The analytical data from the sampling of certain recovery points and the operational data collected are reviewed to determine the operating strategy of the SVE system. Tables of the analytical data and the mass removal calculation tables are included in Appendix D.

Samples were collected from a select list of operating vapor extraction wells during this reporting period. The analytical data collected from the Soil Vapor Extraction wells in the Northern area (SVEN) and the Dual Phase Extraction wells in the Northern area (DPEN) wells since April 2020 are summarized and presented in the following table. The selection of wells operated this reporting period remained the same as the previous reporting period. Wells are selected for operation based on the geographic location to limit mounding of the water table and to target the higher level of contamination noted in previous analytical data.

Samples of recovered vapors were collected from DPEN-1, DPEN-2, DPEN-4 and SVEN-2 once during this reporting period. The data indicates continued operation is providing mass removal of VOCs and additional protection against vapor intrusion into the on-site structure.

The total VOC concentrations from each sample, in conjunction with the vapor recovery rate from the specific well were used to estimate the mass removal. Throughout the reporting period, the SVE system was in operation for 365 days and an estimated total of 6.39 pounds of VOC contaminants were removed.

Under the current guidance provided by NYSDOH*, if sub-slab vapors exceed threshold levels for certain compounds, regardless of indoor air concentrations, mitigation is required. The levels of several compounds were above the threshold levels established as noted in the table at the end of this section. Once the concentration of all VOC in the sub slab vapors being recovered drop below the noted levels, consideration will be given to moving the SVE system to a cyclical operation. If the cyclical operation of the SVE system indicates the levels of VOCs are remaining below the mitigation required levels for all compounds, indoor air quality samples will be collected as part of a Vapor Intrusion Investigation to determine if mitigation is required as directed by the DOH guidance.

DATE	Location	1,1,1-TCA	*1,1-DCA	1,1-DCE	*1,4-Dioxane	cis-1,2-DCE	Methylene Chloride	PCE	TCE	Total VOC
NYSDOH Matrix		B	N/A	A	N/A	A	B	B	A	
Mitigation Req'd Action Level		1000 µg/m³	1000 µg/m³	60 µg/m³	1000 µg/m³	60 µg/m³	1000 µg/m³	1000 µg/m³	60 µg/m³	
04/13/20	DPEN-1	2.9	1.4	0.67	<1.1	2.5	<0.52	40	2.1	50
07/22/20	DPEN-1	17	13	5.7	<1.1	54	0.42	83	6.1	179
04/20/21	DPEN-1	9.9	7.3	0.67	<1.1	28	0.76	40	2.4	89
03/07/22	DPEN-1	2.2	0.65	<0.59	<1.1	2.7	<0.52	31	1.4	38
12/22/22	DPEN-1	6.0	3.0	0.67	<1.1	12	<0.52	62	2.6	86
02/15/24	DPEN-1	11.0	3.3	0.71	<1.1	8.3	0.54	50	2.3	76
04/13/20	DPEN-2	9.8	2.0	0.40	<1.1	1.9	0.59	42	0.7	57
07/22/20	DPEN-2	277	15	2.1	<1.1	41	0.56	280	11	627
04/20/21	DPEN-2	11	2.4	0.48	<1.1	15	1.50	420	3.3	454
03/07/22	DPEN-2	8.6	1.7	0.44	<1.1	11	0.49	61	1.1	84
12/22/22	DPEN-2	13	2.9	0.59	<1.1	24	<0.52	170	3.8	214
02/15/24	DPEN-2	15	3.8	0.52	<1.1	9.9	0.63	110	1.5	141
04/13/20	DPEN-4	240	56	2.8	<1.1	170	0.76	160	30	660
07/22/20	DPEN-4	3000	350	65	<1.1	3800	21	1200	510	8946
04/20/21	DPEN-4	2800	230	19	0.79	2700	4.9	1200	710	7665
03/07/22	DPEN-4	340	83	1.8	<1.1	180	0.38	130	31	766
12/22/22	DPEN-4	2300	330	25	<1.1	2400	4.2	1100	690	6849
02/15/24	DPEN-4	1300	550	17	34	1600	3.1	620	420	4544
04/13/20	SVEN-2	1.5	<0.61	<0.59	57	<0.59	0.59	29	<0.81	88
07/22/20	SVEN-2	8.8	0.97	0.63	110	6.9	0.45	170	2.2	300
04/20/21	SVEN-2	4.6	0.65	<0.59	51	3.1	0.59	63	1.6	125
03/07/22	SVEN-2	1.9	<0.61	<0.59	22	1.3	10.0	33	3.3	72
12/22/22	SVEN-2	6.5	0.81	0.99	55	1.1	0.35	150	2.1	217
02/15/24	SVEN-2	9.8	1.0	0.83	34	3.00	0.59	120	1.8	171

All readings in µg/m³
* NYSDOH Guidance Document is entitled "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006) (Revised May 2017)
** Matrix B is assumed for all compounds not specifically listed

CONCLUSIONS

1. The following is a list of the Remediation Goals presented in section 6 of the ROD and a brief discussion of the progress that has been made in meeting those goals and associated SCGs.

    - "Eliminate to the extent practicable the contamination present within the on-site soils/waste (reduce soil contaminant levels to levels protective of groundwater as indicated in soil tables in section 4.3 [of the ROD])".
        - Initially, this goal was met by the removal of the Spill Containment Tank and surrounding soils in 1986. The soils beneath the floor of the former wastewater treatment area located in the southwest corner of the facility were also identified in the Remedial Investigation (RI) to have contamination in excess of the Soil Cleanup Levels found in the ROD (ROD SCOs). The soils in this area were remediated with the operation of an SVE system from 1997 through 1999. Confirmatory soil samples were collected, and it was determined that the soils beneath the facility in this area were in conformance with the levels noted in the ROD.
        - A subsurface investigation in 2008 identified other areas beneath the floor of the facility and a small area outside the footprint of the facility to the south that could potentially exceed the contaminant levels set forth in the ROD SCOs. These two areas are referenced in the text above as: SVEN (a large area beneath the floor of the facility) and SVES (a small area beneath the roadway to the south of the facility). Additional equipment was installed in 2011 including a new vacuum extraction unit and new extraction wells located throughout both SVEN and SVES. The SVE system is still in operation addressing the soils in the SVEN area. The vacuum extraction in the SVES area is ineffective for most of the year due to the elevated water table.
        - There is currently no other area of potential soil contamination or waste materials requiring a remedial response that has been identified at the site**.**
        - **Status: Ongoing.** As of October 2017, the ROD SCOs have been replaced by the Soil Cleanup Objectives for Commercial and Industrial uses that are found at 6 NYCRR 375-6.8 (b) (Part 375 SCOs). Attached as Appendix E is a copy of the Part 375 SCOs and their applicability depending on the particular use.
    - "Eliminate the potential for direct human or animal contact with contaminated soils on-site"
        - The origination of the contamination on this site was below grade through leaking underground storage tanks and piping. With the removal of the Spill Containment Tank and surrounding soils, the threat of direct contact has been addressed.
        - With respect to the remaining impacted soils that are beneath the facility floor, an SMP has been prepared for implementation under the recorded Declaration of Covenants and Restrictions that requires the use of an excavation work plan for any excavations within a designated area and specifies the actions to be taken to address potential exposure to the contaminants at issue.
        - **Status: Complete with the approval of the SMP and reclassification of the Site from a Class 2 to a Class 4.**

- "Mitigate the impacts of contaminated groundwater to the environment"
    - The groundwater recovery system continues to effectively recover VOCs from the impacted aquifer and discharge of the treated groundwater has been in accordance with the substantive SPDES requirements developed by NYSDEC as shown in the monthly monitoring data submitted to NYSDEC during the reporting period.
    - **Status: Completed**
- "Prevent, to the extent practicable, migration of the contaminants in the source areas to groundwater"
    - The data indicates that the recovery well networks in the NOU and SOU source areas are effectively capturing the impacted groundwater at the source and preventing downgradient migration from those areas. Declining trends noted in the monitoring wells immediately downgradient of the source areas indicate successful hydraulic capture of the plume in the source areas.
    - The reduction in the concentrations noted in the outlying recovery wells and monitoring wells further downgradient indicate hydraulic control in the plume area. Residual concentrations in the plume area have dropped below SCGs in all monitoring wells, except MW-34D, downgradient from the perimeter recovery wells RW-11 and RW-12 located adjacent to the former Taylor Property. Although one VOC reported for MW-34D remains above the SCGs, the declining trend noted supports the assumption of hydraulic control in this area. A copy of a graph of the VOC concentrations for MW-34D is included in Appendix C.
    - The installation in 2011 of the SVE system and subsequent operation is removing VOC mass from the vadose and fringe zones, thus preventing the migration of the contaminants from the source areas.
    - **Status: Completed**
- "To the extent practicable, provide for attainment of SGCs for groundwater quality at the limits of the area of concern (AOC). The AOC for the site is the area from the spill source locations to the Fulton municipal well field."
    - Using MW-28I as the "limit" of the AOC with respect to the plume's closest approach to the municipal wells, the concentration of each individual contaminant of concern has decreased steadily since operation of the remedial system began. No individual COC has been reported at the limit of the AOC at a concentration in excess of its respective SCG since February 2003. VOC concentrations within the AOC closer to the source areas continue to decline.
    - **Status: Ongoing**

2. The GWTF continues to perform as designed and is effectively removing the VOC contamination from the recovered groundwater to below the MDL of 1.0 μg/l. The current treatment process includes the use of air stripping technology. The use of the Liquid Phase Carbon treatment is not necessary for the treatment of the groundwater.

3. The operation of RW-2 continues to provide a benefit to the remedial effort. The calculated mass removal rate for this well remains higher than all other recovery wells. The effects of the pumping at RW-2 appear to have a positive impact on downgradient monitoring wells MW-8D, MW-13D noted as declines in the contaminant concentrations. Trends for PCE in MW-16D steadily increased from April 2017 to a high in October 2021. The PCE levels reported since have decreased steadily. Line graphs of the analytical data for these wells are included in Appendix C. The production rate from RW-2 has declined as a result of clogging of the underground piping from the well to the manifold building. Effort will be made to clear the line and increase the flow from RW-2. This recovery well, RW-2, will continue to be utilized and monitoring of the surrounding wells will also continue.

4. The production rate from RW-3 remained consistent when compared to the previous year. The VOC concentrations in this Recovery Well remain above SCGs. The declining trend noted in previous Annual Reports continues for all compounds. Continued operation and monitoring of this recovery well will provide a benefit to the remedial effort.

5. RW-4 production rate increased slightly when compared to the last reporting period. The levels of VOCs have shown variability over the past year. No definitive trends can be established at this time. Operation of this recovery well will continue and the VOC concentrations will continue to be monitored.

6. Contaminant concentrations in replacement well RW-5R remained consistent when compared to the previous year with an overall declining trend. Concentration of COCs remain above the SCGs. The production rate increased slightly compared to 2023. The production will continue to be throttled back to prevent pump damage from the silt. This recovery well will remain in operation throughout the next operating year.

7. RW-8 and RW-9 continue to maintain hydraulic control of the SOU-P area. The VOC concentrations continue to decline in both recovery wells. MW-37I is located between the SOU-S and RW-8 and RW-9. The decrease in contaminant levels experienced in MW-37I continued throughout this reporting period. Monitoring of MW-37I will continue as well as the operation of RW-8 and RW-9 over the next reporting period. Production rates from RW-8 decreased when compared to 2023.

8. The perimeter recovery well RW-10 operation was halted in August 2015. The contaminant levels reported for MW-21S, MW-33S and MW-35D during the groundwater sampling event in 2024 remained consistent at levels below the SCG of 5.0 μg/l and support allowing RW-10 to remain off. Graphical presentation of the analytical data for these wells for the past 7 years are included in Appendix C.

9. Perimeter recovery wells RW-11 and RW-12, located along the former Taylor Property boundary, continue to effectively prevent the migration of impacted ground water to the City of Fulton Well Field. Supporting evidence is displayed by the observed reducing trends experienced in all the monitoring wells located on the Former Taylor Property (MW-32D, MW-33S, MW-34D and MW-35D), and on the municipal well field property (MW-28I). The PCE concentration in these two Recovery Wells are below 50% of the SCGs for groundwater for all of the COCs (see http://www.dec.ny.gov/dos/water_pdf/togs111.pdf). Only MW-34D, downgradient of these recovery wells, has reported concentrations of any COC above 5 μg/l. Analytical data from MW-34D is demonstrating a downward trend in contaminant levels. Line graphs of all the active Recovery Wells are in Appendix C.

10. RW-13 VOC concentrations continue to decline, VOC levels reported for the four sampling events were fluctuating near the SCG of 5.0 μg/l for 1,1-DCA, 1,1-DCE and cis-1,2-DCE. The production rate from this well remained consistent from the previous reporting period. MW-8D VOC levels appear to remain consistent from the previous reporting period. Continued operation of RW-13 will further reduce the contaminant load in this area of the site.

11. The City of Fulton Water Treatment Facility (WTF) has been shut down and mothballed according to the approved mothball procedures. If, in the future, the City determines the chloride levels in M-2A are acceptable and wishes to introduce the water from M-2A into the distribution system, quarterly monitoring will be required for 4 consecutive quarters. Should any one individual COC, as defined in the IRM Order on Consent, exceed a level of 50% of the MCL, treatment and monitoring requirements will resume.

12. The Early Warning Network sampling schedule is annual based on the determination of NYSDEC. The annual sampling of these wells takes place in April so the data is available for the preparation of the annual reporting period that currently ends on April 30.

13. SVES Operation
    The operation of the SVE system in the southern area is ineffective due to the elevated water table in this area. No vapors were recovered from any extraction points in the southern area this reporting period.

14. SVEN operation
    The SVEN system removed a significant mass of VOC from the vadose and fringe zone beneath the former can plant building in the 13 years of operation. The estimated mass removal rate calculated for the 365 days of operation this year was calculated to be 6.39 pounds in 2023-2024. The results from the sampling of DPEN-4 indicate the system should remain in continuous operation due to elevated levels of 1,1,1-TCA, cis-1,2-DCE and TCE.

RECOMMENDATIONS

1. RW-2, RW-3 and RW-4 will continue operation throughout the next reporting period. No changes are recommended to these wells. Flushing of the underground piping associated with RW-2 will be completed to attempt to improve the production rate from that well.
2. RW-5R will continue to operate at the restricted flow rate to prevent the removal of silt and sand from the screened zone.
3. RW-8 and RW-9 will continue to operate throughout the next reporting period.
4. RW-10 will remain off and the analytical data from MW-21S, MW-33S and MW-35D will be evaluated next sampling event. If the contaminant levels in these monitoring wells show an increasing trend, consideration will be given to returning RW-10 to service.
5. RW-11, RW-12 and RW-13 will continue operation throughout the next reporting period. The contaminant levels in RW-11 and RW-12 are below the SCGs noted above and are nearing 50% of the SCGs. Once VOC levels are shown to be below the 50% level of the SCGs for four consecutive quarters, a request to cease operation of these wells will be considered. All COC's levels in RW-13 have dropped below the SCG of 5.0 μg/l. No changes are recommended for this area.
6. The operation of the SVE system in the Northern area will continue. The areas around DPEN-4 and DPEN-2 will continue to be the focus of the extraction effort. The extraction wells used this entire reporting period will continue to be utilized. Future monitoring will determine if transitioning to cyclical operation or termination of the operation is warranted. Once it is determined the SVE systems have reached their useful life, a Work Plan will be developed to justify permanently stopping the operation. The Work Plan will include a Soil Vapor Intrusion investigation and confirmatory soil sampling plan.

FORMER MILLER CONTAINER SITE
NYSDEC Site # 7-38-029
GWTF TOTALIZER READINGS

May 1, 2023 through April 30, 2024

May-23		Daily Gallons
1	2541259	17917
2	2559176	17928
3	2577104	14352
4	2591456	17838
5	2609294	14307
6	2623601	21467
7	2645068	17935
8	2663003	14334
9	2677337	17885
10	2695222	14344
11	2709566	17843
12	2727409	15578
13	2742987	16510
14	2759497	17916
15	2777413	15263
16	2792676	108273
17	2900949	14420
18	2915369	17703
19	2933072	17904
20	2950976	17954
21	2968930	14302
22	2983232	17900
23	3001132	17839
24	3018971	14251
25	3033222	17869
26	3051091	17830
27	3068921	14244
28	3083165	17848
29	3101013	17791
30	3118804	14312
31	3133116	17873
Total for Month	591857	
Daily Average	19092.16	
Average GPM	13.26	

Jun-23		Daily Gallons
1	3150989	14431
2	3165420	17633
3	3183053	17862
4	3200915	14287
5	3215202	17786
6	3232988	14273
7	3247261	17845
8	3265106	14261
9	3279367	17923
10	3297290	14214
11	3311504	17842
12	3329346	14259
13	3343605	14169
14	3357774	21391
15	3379165	14240
16	3393405	17838
17	3411243	14251
18	3425494	17881
19	3443375	14280
20	3457655	15224
21	3472879	110
22	3472989	20535
23	3493524	14339
24	3507863	17849
25	3525712	14316
26	3540028	17955
27	3557983	14311
28	3572294	17923
29	3590217	15502
30	3605719	16721
Total for Month	472603	
Daily Average	15753.43	
Average GPM	10.94	

FORMER MILLER CONTAINER SITE
NYSDEC Site # 7-38-029
GWTF TOTALIZER READINGS

May 1, 2023 through April 30, 2024

Jul-23		Daily Gallons
1	3622440	14319
2	3636759	17907
3	3654666	14352
4	3669018	17886
5	3686904	13297
6	3700201	15317
7	3715518	17889
8	3733407	14215
9	3747622	17718
10	3765340	17378
11	3782718	14647
12	3797365	17807
13	3815172	14199
14	3829371	17834
15	3847205	14244
16	3861449	17885
17	3879334	14291
18	3893625	16640
19	3910265	15512
20	3925777	14334
21	3940111	16256
22	3956367	15913
23	3972280	14321
24	3986601	18093
25	4004694	14423
26	4019117	18062
27	4037179	15934
28	4053113	16724
29	4069837	14488
30	4084325	19364
31	4103689	14450
Total for Month	497970	
Daily Average	16063.55	
Average GPM	11.16	

Aug-23		Daily Gallons
1	4118139	18100
2	4136239	14421
3	4150660	18217
4	4168877	14638
5	4183515	18028
6	4201543	14706
7	4216249	17798
8	4234047	14381
9	4248428	14561
10	4262989	21921
11	4284910	6372
12	4291282	0
13	4291282	7544
14	4298826	18514
15	4317340	18182
16	4335522	10864
17	4346386	18238
18	4364624	14640
19	4379264	14768
20	4394032	17805
21	4411837	14422
22	4426259	14460
23	4440719	14760
24	4455479	18224
25	4473703	14517
26	4488220	14531
27	4502751	14510
28	4517261	18134
29	4535395	14494
30	4549889	14507
31	4564396	14520
Total for Month	460707	
Daily Average	14861.52	
Average GPM	10.32	

FORMER MILLER CONTAINER SITE
NYSDEC Site # 7-38-029
GWTF TOTALIZER READINGS

May 1, 2023 through April 30, 2024

Sep-23		Daily Gallons
1	4578916	14488
2	4593404	15300
3	4608704	17376
4	4626080	14475
5	4640555	14518
6	4655073	14463
7	4669536	18154
8	4687690	10865
9	4698555	18096
10	4716651	14561
11	4731212	14440
12	4745652	16475
13	4762127	16049
14	4778176	14543
15	4792719	18190
16	4810909	14582
17	4825491	14553
18	4840044	18331
19	4858375	14783
20	4873158	18532
21	4891690	14850
22	4906540	18583
23	4925123	14912
24	4940035	18610
25	4958645	14845
26	4973490	18566
27	4992056	14876
28	5006932	18400
29	5025332	15001
30	5040333	17310
Total for Month	475937	
Daily Average	15864.57	
Average GPM	11.02	

Oct-23		Daily Gallons
1	5057643	16183
2	5073826	14902
3	5088728	18609
4	5107337	17070
5	5124407	16348
6	5140755	12415
7	5153170	0
8	5153170	0
9	5153170	21370
10	5174540	14916
11	5189456	18666
12	5208122	14955
13	5223077	14911
14	5237988	18641
15	5256629	14926
16	5271555	18647
17	5290202	14922
18	5305124	14925
19	5320049	18576
20	5338625	16250
21	5354875	17227
22	5372102	14373
23	5386475	19051
24	5405526	14865
25	5420391	14871
26	5435262	15582
27	5450844	17790
28	5468634	14887
29	5483521	13855
30	5497376	19542
31	5516918	14819
Total for Month	476585	
Daily Average	15373.71	
Average GPM	10.68	

FORMER MILLER CONTAINER SITE
NYSDEC Site # 7-38-029
GWTF TOTALIZER READINGS

May 1, 2023 through April 30, 2024

Nov-23		Daily Gallons
1	5531737	15178
2	5546915	18226
3	5565141	11033
4	5576174	15220
5	5591394	18036
6	5609430	14735
7	5624165	14787
8	5638952	18565
9	5657517	14793
10	5672310	14779
11	5687089	14802
12	5701891	18458
13	5720349	14776
14	5735125	14773
15	5749898	14765
16	5764663	14744
17	5779407	18591
18	5797998	11086
19	5809084	14783
20	5823867	108222
21	5932089	37727
22	5969816	14802
23	5984618	18458
24	6003076	14776
25	6017852	14773
26	6032625	19247
27	6051872	16853
28	6068725	16428
29	6085153	14858
30	6100011	14758
Total for Month	583093	
Daily Average	19436.43	
Average GPM	13.50	

Dec-23		Daily Gallons
1	6114769	18479
2	6133248	14838
3	6148086	14954
4	6163040	15495
5	6178535	14640
6	6193175	14646
7	6207821	14623
8	6222444	12737
9	6235181	16724
10	6251905	18380
11	6270285	14676
12	6284961	14691
13	6299652	14640
14	6314292	14646
15	6328938	14623
16	6343561	12737
17	6356298	16724
18	6373022	14776
19	6387798	14731
20	6402529	14698
21	6417227	14702
22	6431929	14700
23	6446629	14702
24	6461331	14678
25	6476009	14661
26	6490670	14691
27	6505361	14818
28	6520179	18115
29	6538294	15254
30	6553548	14801
31	6568349	14814
Total for Month	468338	
Daily Average	15107.68	
Average GPM	10.49	

FORMER MILLER CONTAINER SITE
NYSDEC Site # 7-38-029
GWTF TOTALIZER READINGS

May 1, 2023 through April 30, 2024

Jan-24		Daily Gallons
1	6583163	14791
2	6597954	18429
3	6616383	14801
4	6631184	14813
5	6645997	18490
6	6664487	14765
7	6679252	14788
8	6694040	14805
9	6708845	15118
10	6723963	18703
11	6742666	14851
12	6757517	18619
13	6776136	12579
14	6788715	12951
15	6801666	14607
16	6816273	14577
17	6830850	10925
18	6841775	14562
19	6856337	14520
20	6870857	10903
21	6881760	14504
22	6896264	14493
23	6910757	10925
24	6921682	12294
25	6933976	20793
26	6954769	14618
27	6969387	11497
28	6980884	14051
29	6994935	14530
30	7009465	10910
31	7020375	12553
Total for Month	452026	
Daily Average	14581.48	
Average GPM	10.13	

Feb-24		Daily Gallons
1	7032928	12968
2	7045896	12427
3	7058323	12928
4	7071251	12467
5	7083718	12928
6	7096646	10919
7	7107565	14639
8	7122204	14608
9	7136812	10977
10	7147789	14600
11	7162389	14563
12	7176952	14576
13	7191528	14529
14	7206057	10904
15	7216961	14519
16	7231480	14503
17	7245983	11028
18	7257011	14338
19	7271349	14512
20	7285861	14471
21	7300332	14506
22	7314838	12441
23	7327279	13106
24	7340385	14613
25	7354998	14592
26	7369590	14582
27	7384172	10876
28	7395048	7213
29	7402261	3322
Total for Month	374673	
Daily Average	13381.18	
Average GPM	9.29	

FORMER MILLER CONTAINER SITE
NYSDEC Site # 7-38-029
GWTF TOTALIZER READINGS

May 1, 2023 through April 30, 2024

Mar-24		Daily Gallons
1	7405583	3323
2	7408906	0
3	7408906	10520
4	7419426	14297
5	7433723	7655
6	7441378	14807
7	7456185	14735
8	7470920	14697
9	7485617	18897
10	7504514	14844
11	7519358	14814
12	7534172	14762
13	7548934	14732
14	7563666	14738
15	7578404	14746
16	7593150	14708
17	7607858	12832
18	7620690	0
19	7620690	720
20	7621410	14247
21	7635657	13527
22	7649184	13665
23	7662849	13625
24	7676474	10212
25	7686686	13650
26	7700336	13575
27	7713911	13530
28	7727441	10084
29	7737525	13497
30	7751022	9998
31	7761020	13509

Total for Month	365972
Daily Average	11805.55
Average GPM	8.20

Apr-24		Daily Gallons
1	7774529	10127
2	7784656	13506
3	7798162	13569
4	7811731	13567
5	7825298	10000
6	7835298	13715
7	7849013	11350
8	7860363	12355
9	7872718	10130
10	7882848	17511
11	7900359	17789
12	7918148	17789
13	7935937	17739
14	7953676	17661
15	7971337	14057
16	7985394	17549
17	8002943	21059
18	8024002	17504
19	8041506	14128
20	8055634	17596
21	8073230	17561
22	8090791	14010
23	8104801	14008
24	8118809	15643
25	8134452	25863
26	8160315	17505
27	8177820	14766
28	8192586	16701
29	8209287	17449
30	8226736	13876
5/1/2024	8240612	

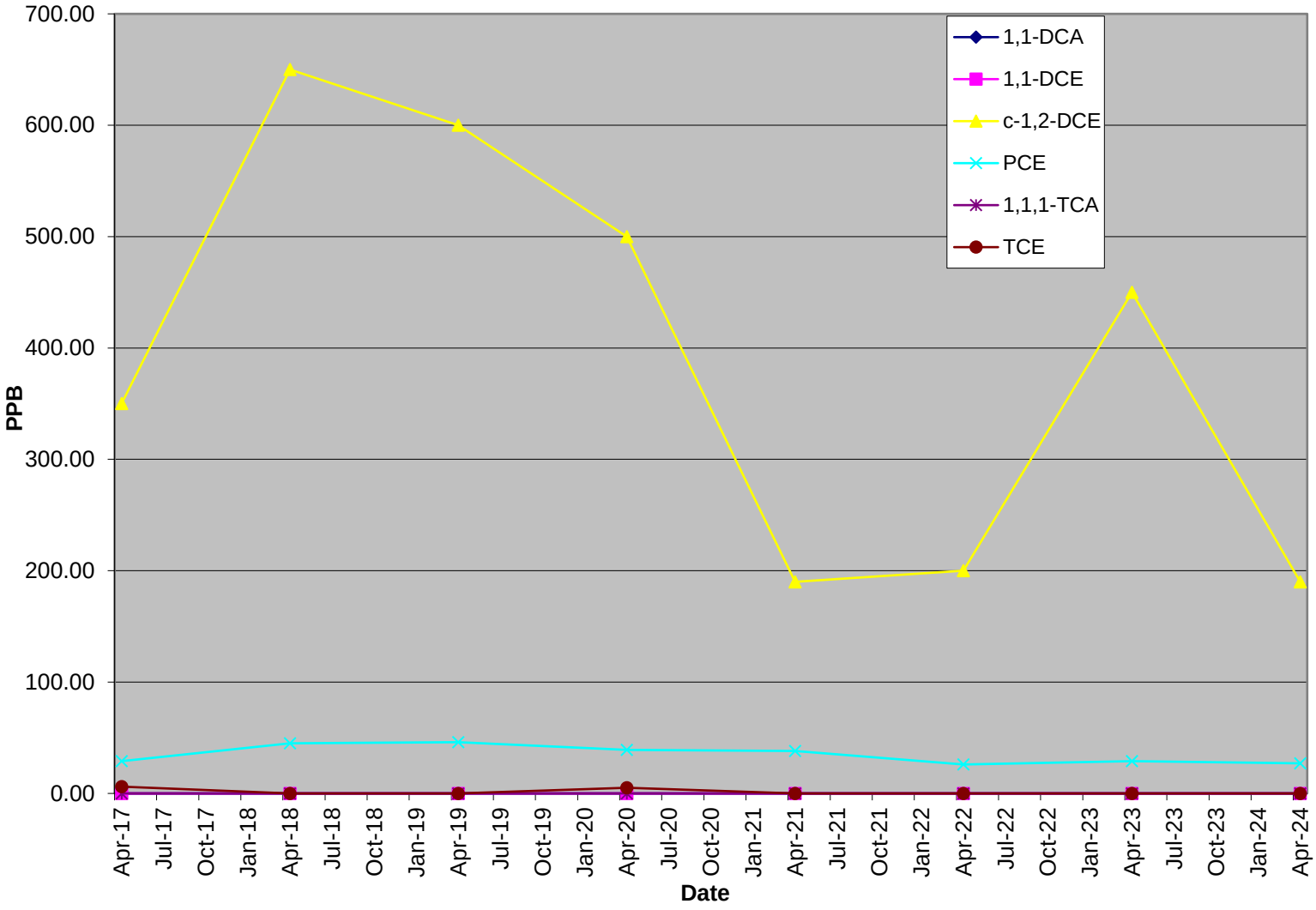
Total for Month	479592
Daily Average	15470.71
Average GPM	10.74

Miller Brewing Company

Fulton Can Plant Site Fulton, NY

Early Warning Network August 2023

Well ID	Location	Elevation of Monitoring Point	Date of Installation
MW-2S	Northern Unit	377.10	9/24/1986
MW-3D	Northern Unit	376.52	7/14/1986
MW-8D	West of Pond	368.30	9/18/1986
MW-16D	Northern Unit	366.29	12/12/1989
MW-17D	West of Pond	372.74	4/11/1990
MW-21S	Taylor & Vicinity	379.26	4/23/1990
MW-28I	M-2A	357.44	8/22/1990
MW-32D	Taylor & Vicinity	377.76	9/12/1990
MW-33S	Taylor & Vicinity	383.23	9/13/1990
MW-34D	Taylor & Vicinity	385.08	9/14/1990
MW-35D	Taylor & Vicinity	381.36	9/18/1990
MW-36S	Southern Unit	376.61	9/14/1990
MW-37I	Southern Unit	377.30	11/15/1990
MW-38S	Northern Unit	373.61	11/26/1990
MW-61D	South of Road	368.60	


MW-2S
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600.00
500.00
400.00
300.00
200.00
100.00
0.00
PPB
1,1-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE
Apr-17
Jul-17
Oct-17
Jan-18
Apr-18
Jul-18
Oct-18
Jan-19
Apr-19
Jul-19
Oct-19
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
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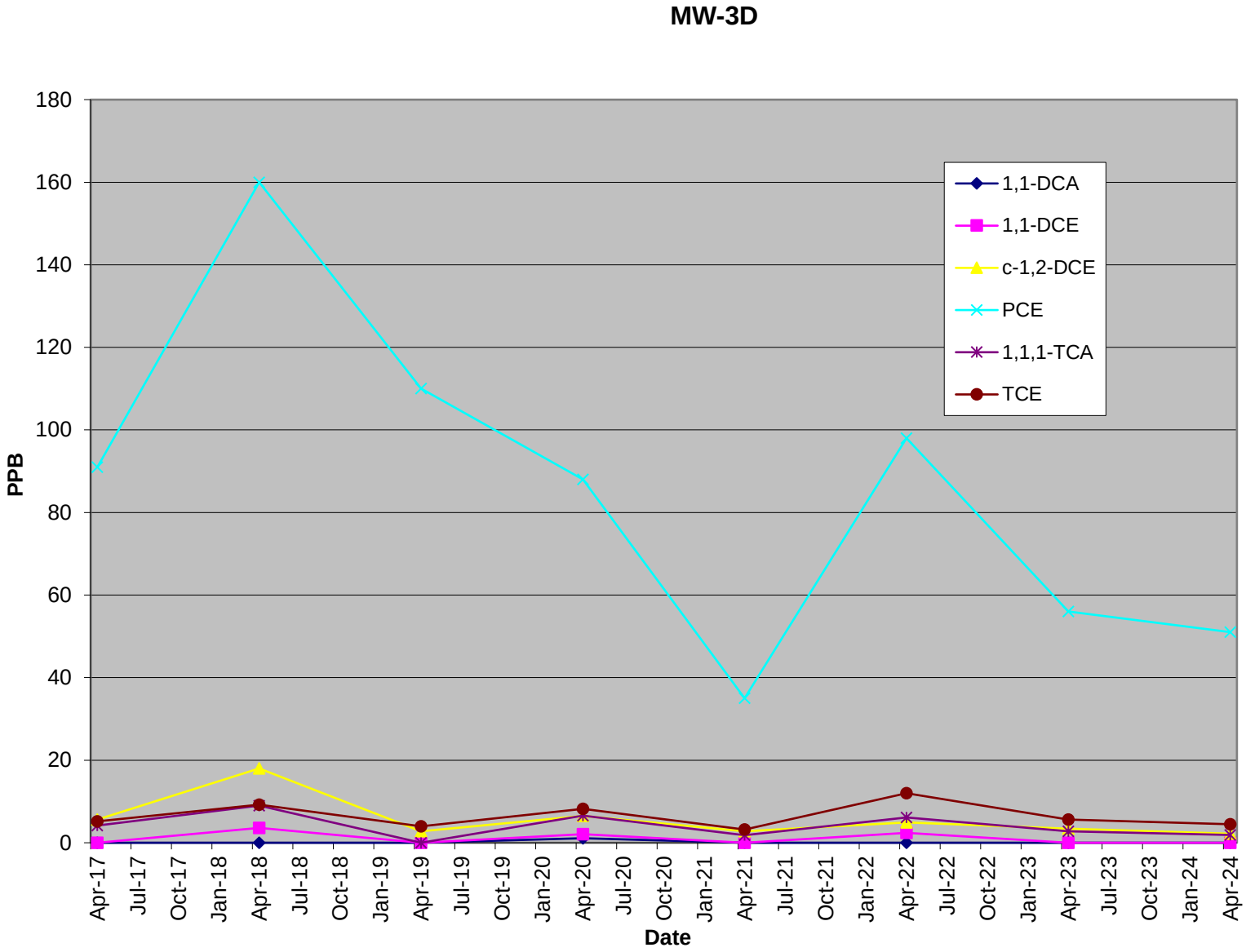
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date


MW-3D
PPB
180
160
140
120
100
80
60
40
20
0
Apr-17
Jul-17
Oct-17
Jan-18
Apr-18
Jul-18
Oct-18
Jan-19
Apr-19
Jul-19
Oct-19
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
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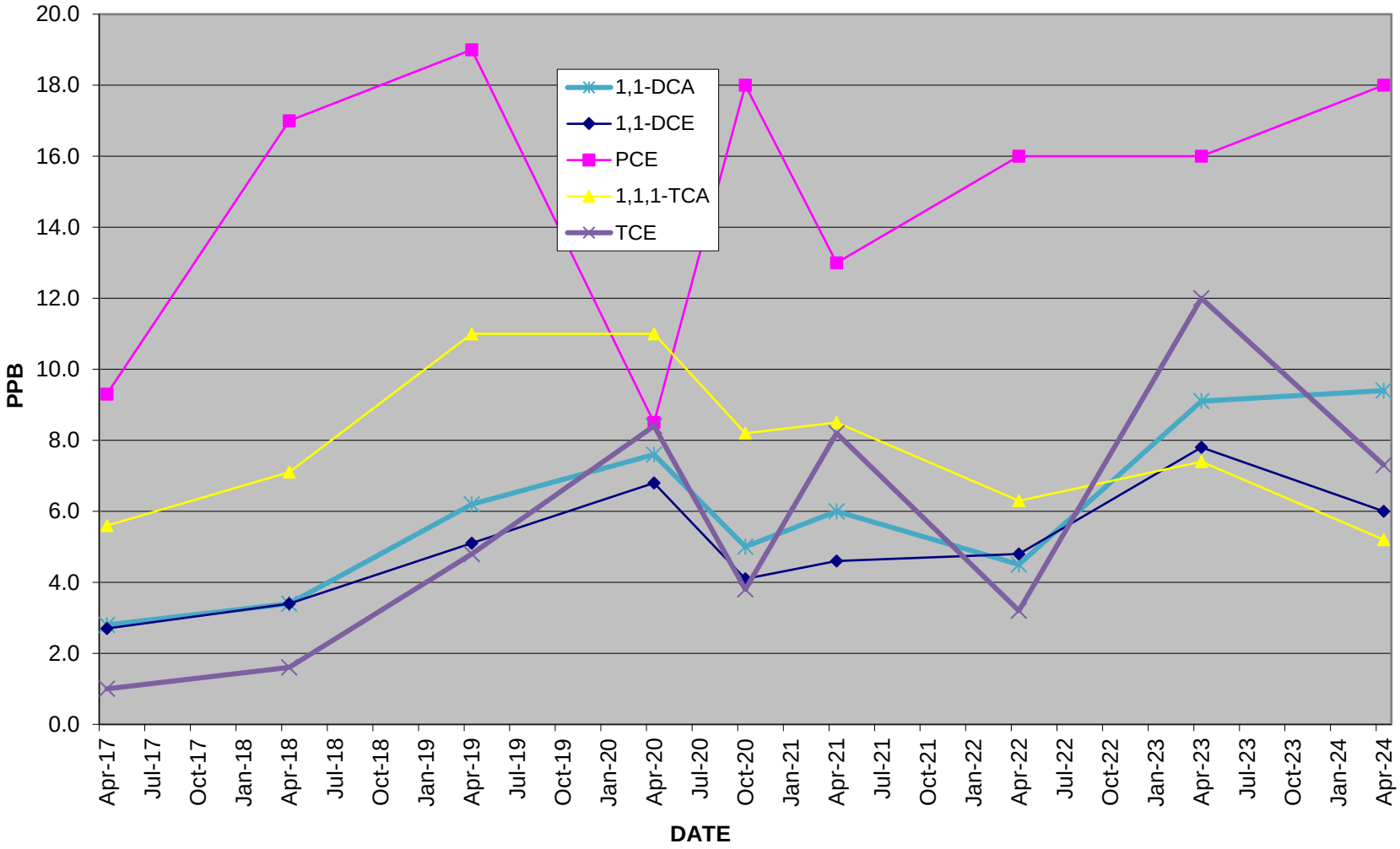
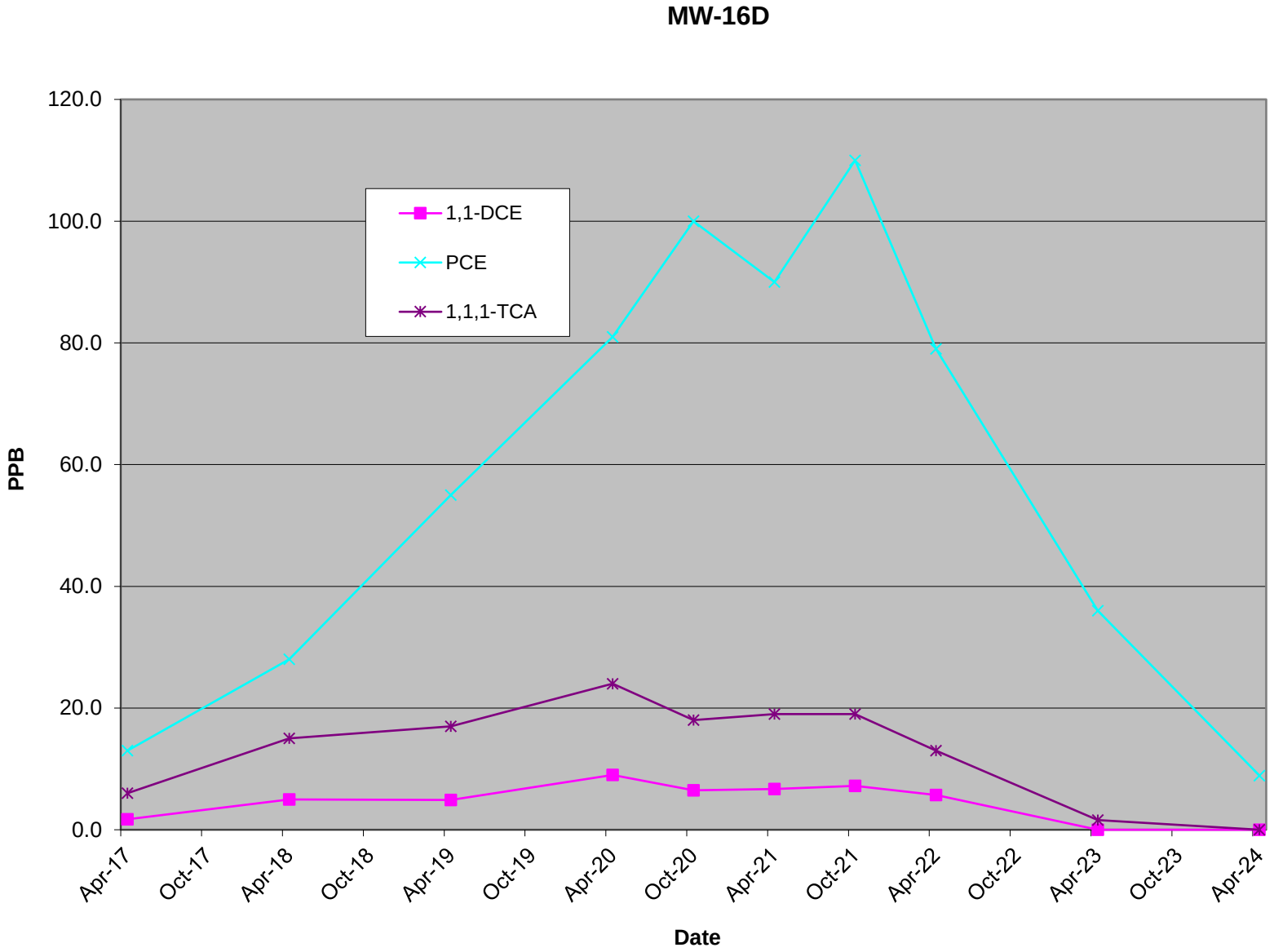
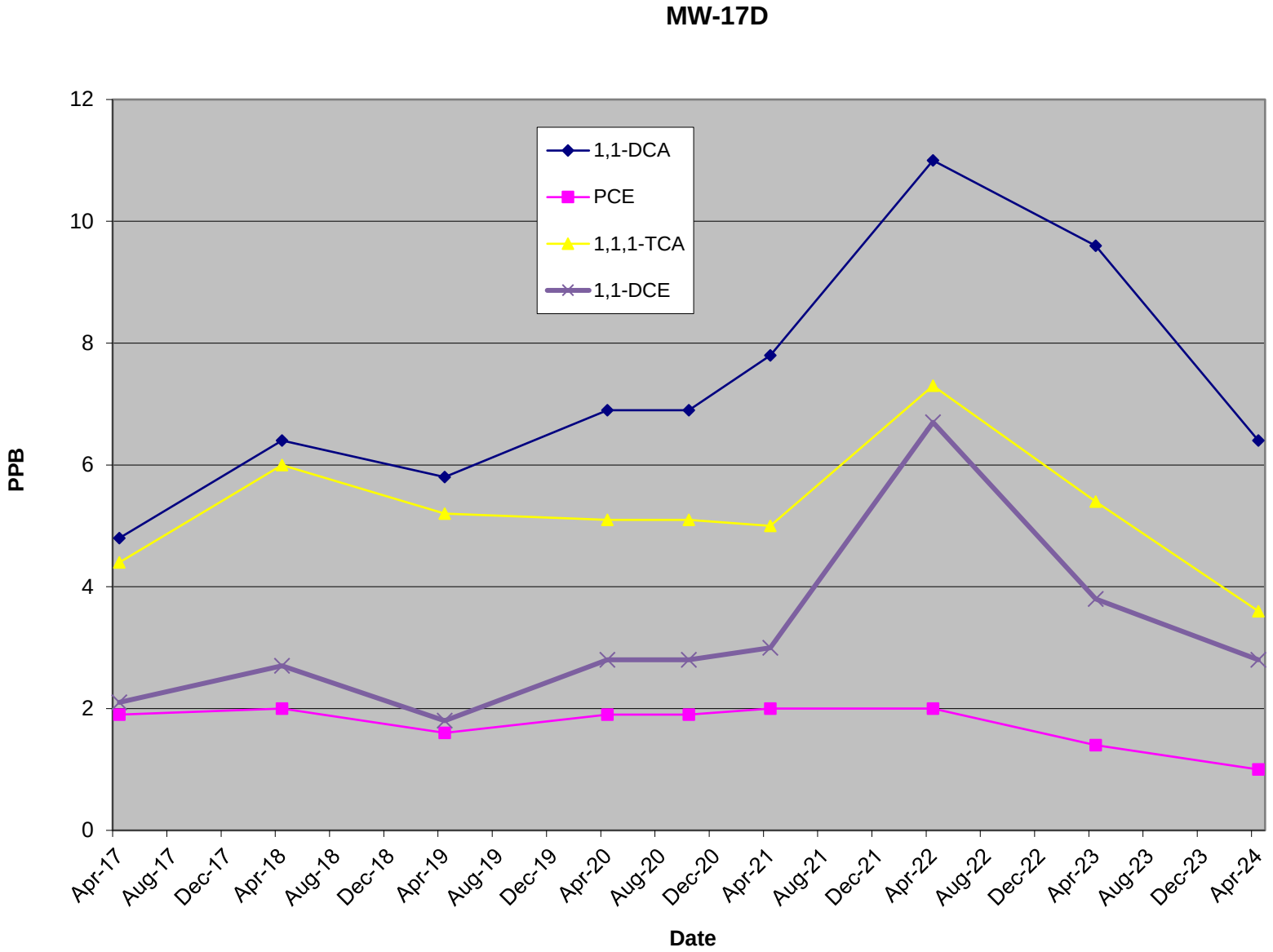
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date
1,1-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE

MW-8D
2017-Present




MW-16D
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PPB
1,1-DCE
PCE
1,1,1-TCA
Apr-17
Oct-17
Apr-18
Oct-18
Apr-19
Oct-19
Apr-20
Oct-20
Apr-21
Oct-21
Apr-22
Oct-22
Apr-23
Oct-23
Apr-24
Date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PCE
1,1,1-TCA
1,1-DCE
PPB
0
2
4
6
8
10
12
Apr-17
Aug-17
Dec-17
Apr-18
Aug-18
Dec-18
Apr-19
Aug-19
Dec-19
Apr-20
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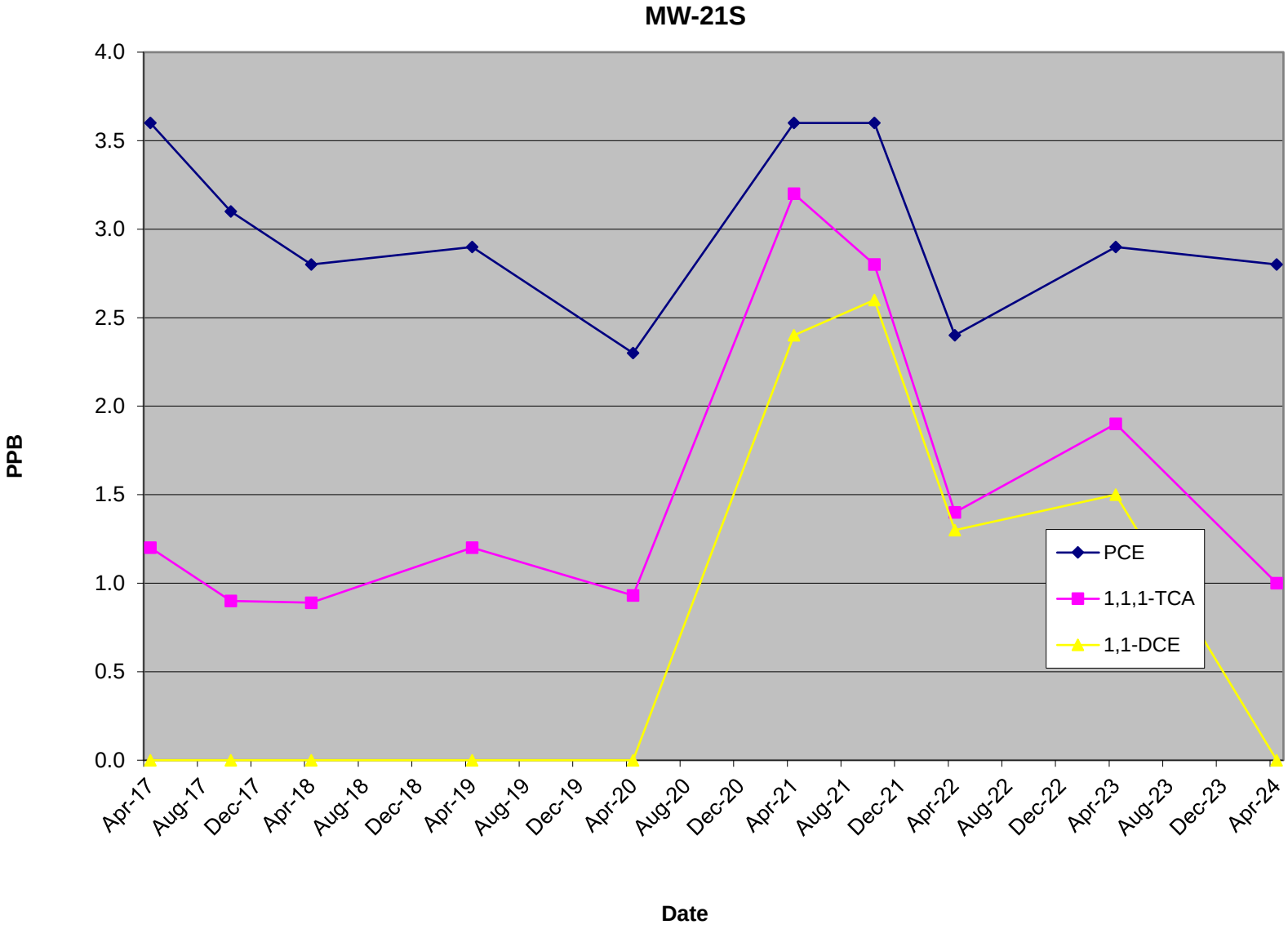
Aug-23
Dec-23
Apr-24
Date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PPB
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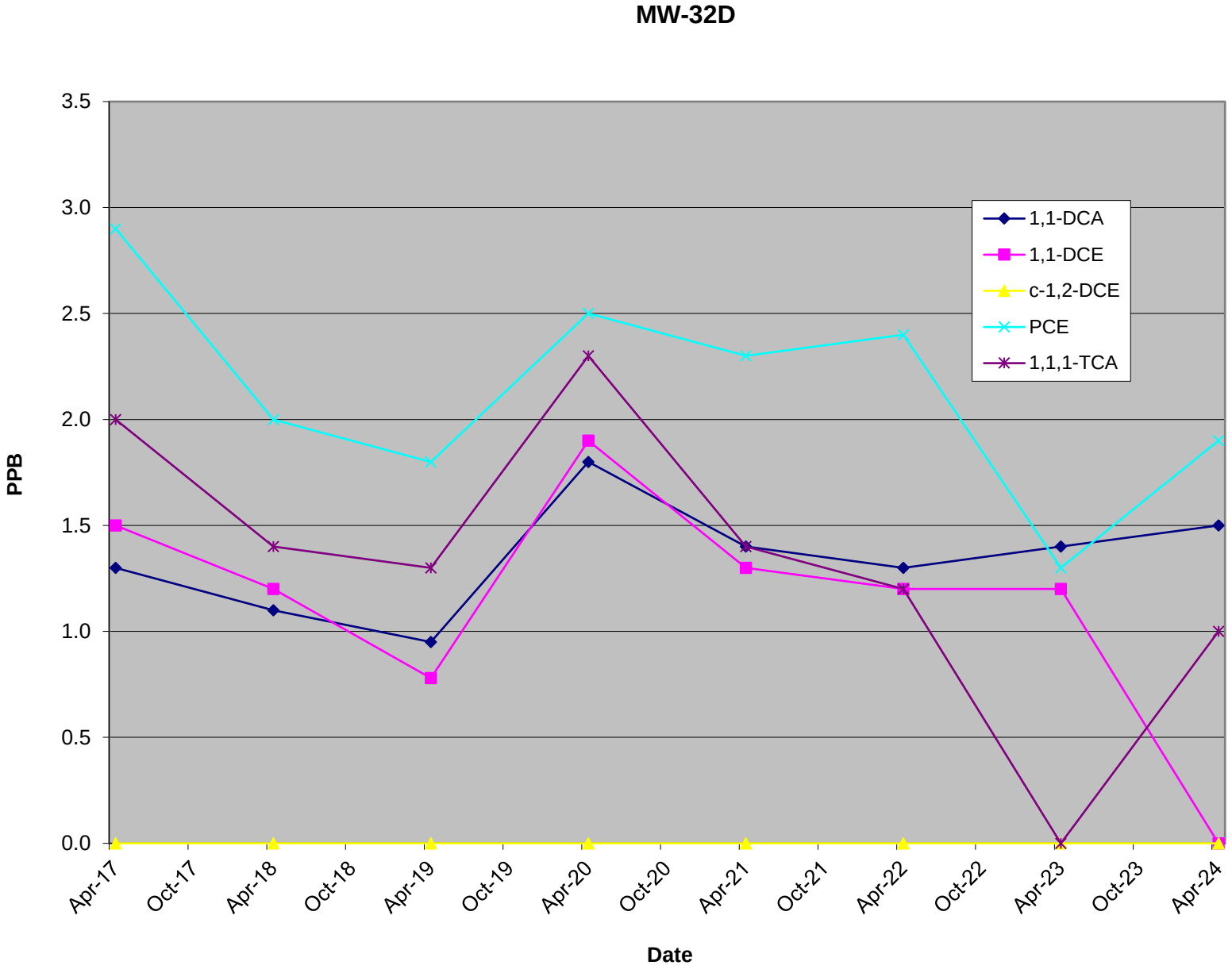
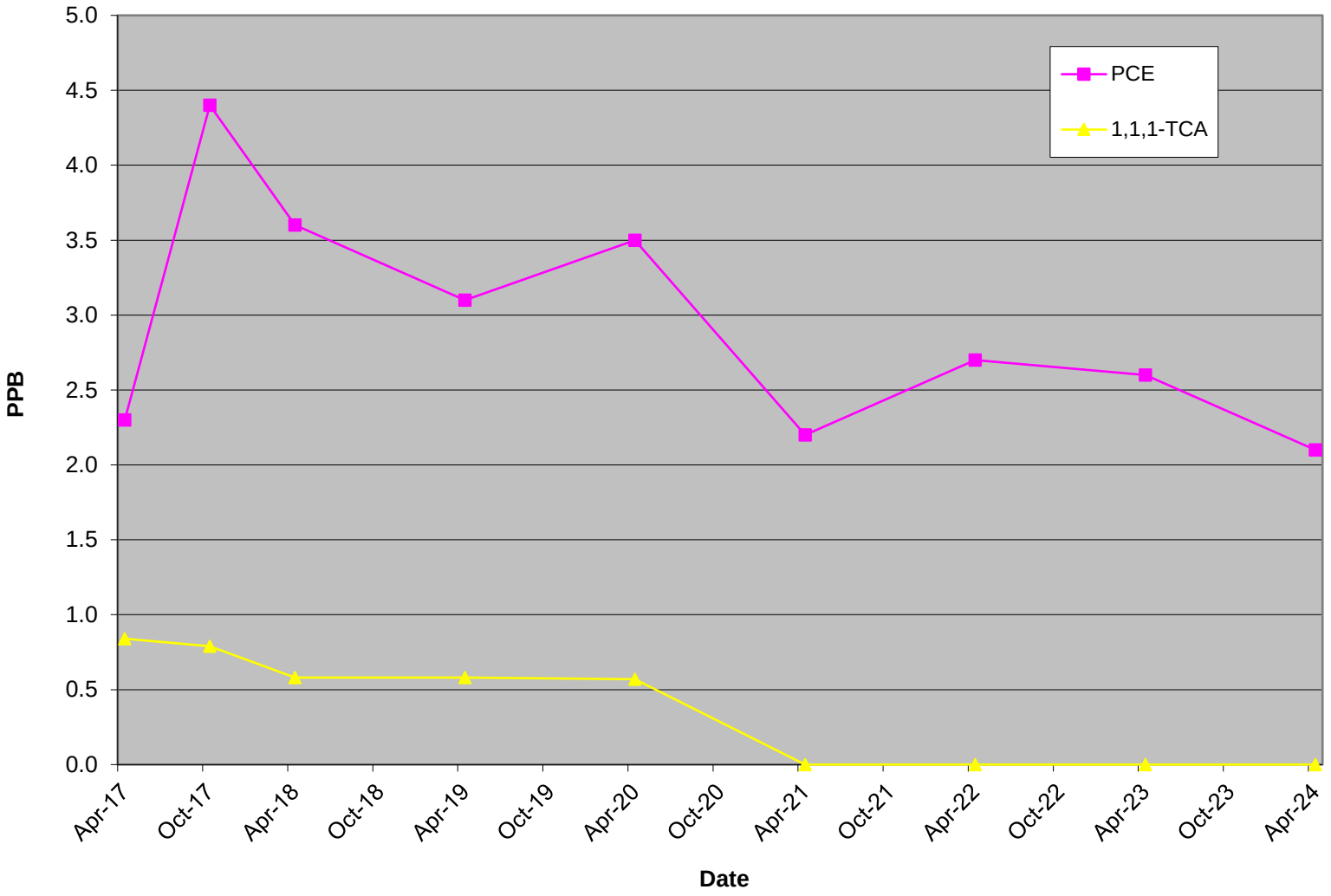
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Apr-17
Aug-17
Dec-17
Apr-18
Aug-18
Dec-18
Apr-19
Aug-19
Dec-19
Apr-20
Aug-20
Dec-20
Apr-21
Aug-21
Dec-21
Apr-22
Aug-22
Dec-22
Apr-23
Aug-23
Dec-23
Apr-24
Date
PCE
1,1,1-TCA
1,1-DCE


MW-32D
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
PPB
1,1-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
Apr-17
Oct-17
Apr-18
Oct-18
Apr-19
Oct-19
Apr-20
Oct-20
Apr-21
Oct-21
Apr-22
Oct-22
Apr-23
Oct-23
Apr-24
Date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PPB
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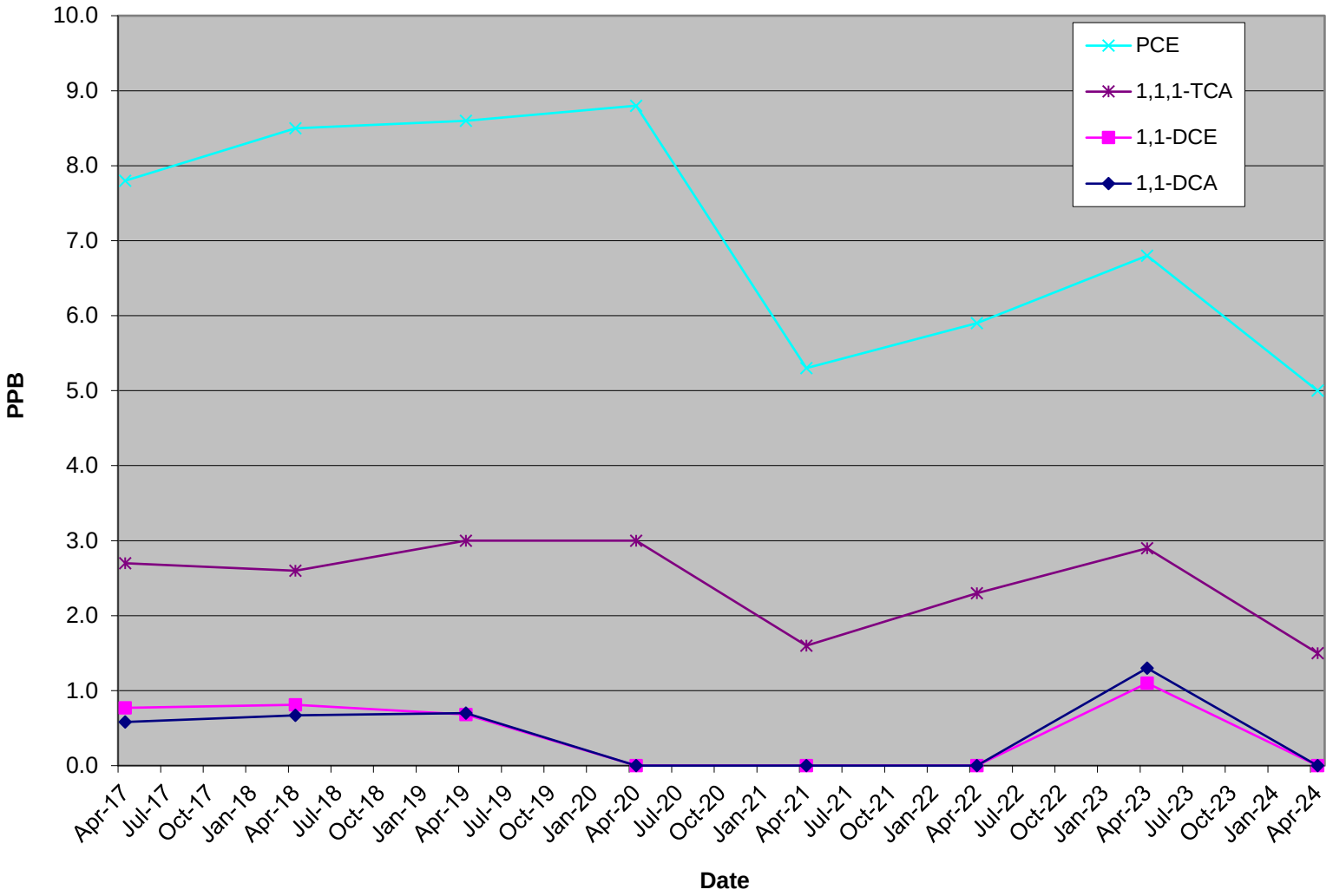
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
PCE
1,1,1-TCA
Apr-17
Oct-17
Apr-18
Oct-18
Apr-19
Oct-19
Apr-20
Oct-20
Apr-21
Oct-21
Apr-22
Oct-22
Apr-23
Oct-23
Apr-24
Date


MW-34D
PPB
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
PCE
1,1,1-TCA
1,1-DCE
1,1-DCA
Apr-17
Jul-17
Oct-17
Jan-18
Apr-18
Jul-18
Oct-18
Jan-19
Apr-19
Jul-19
Oct-19
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
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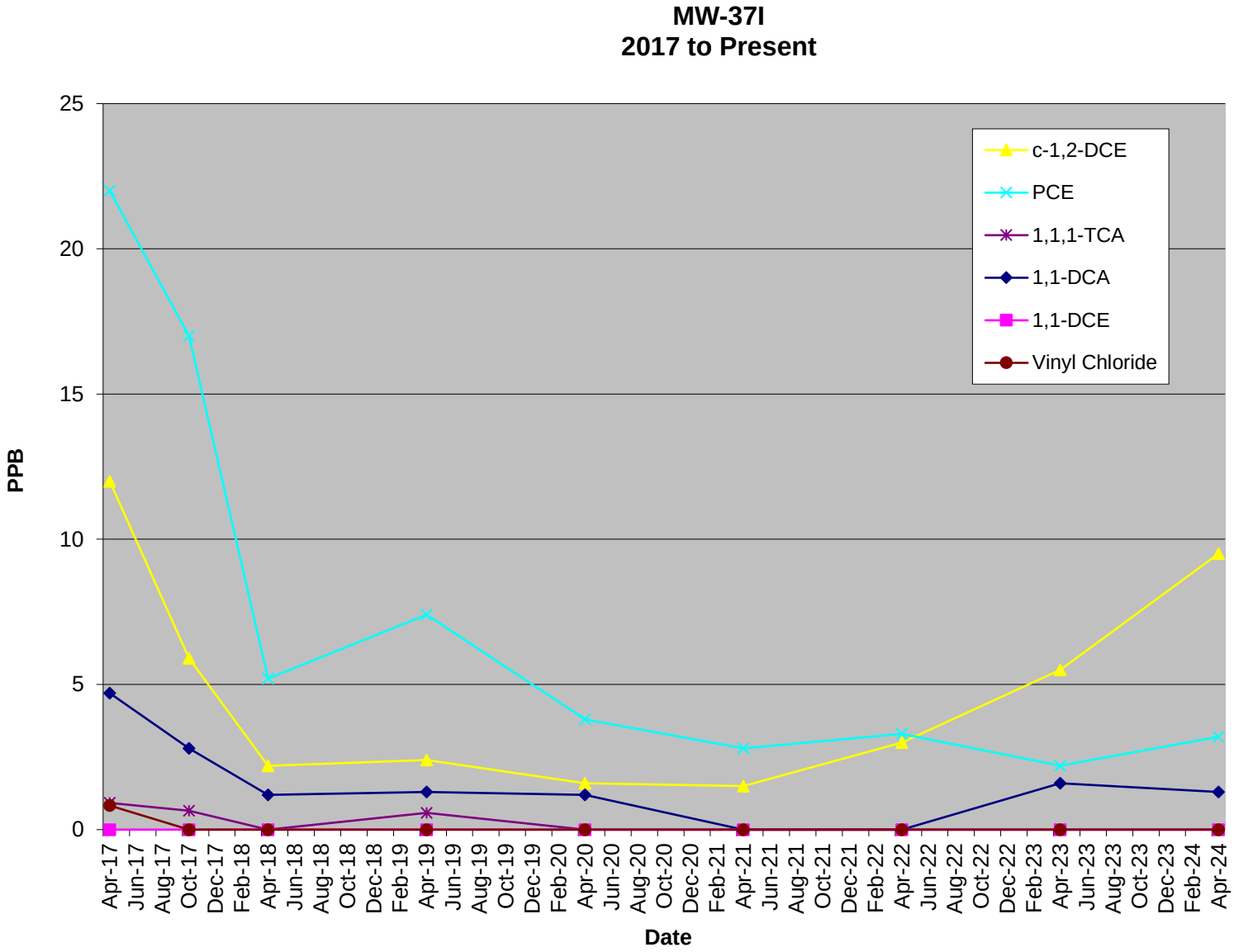
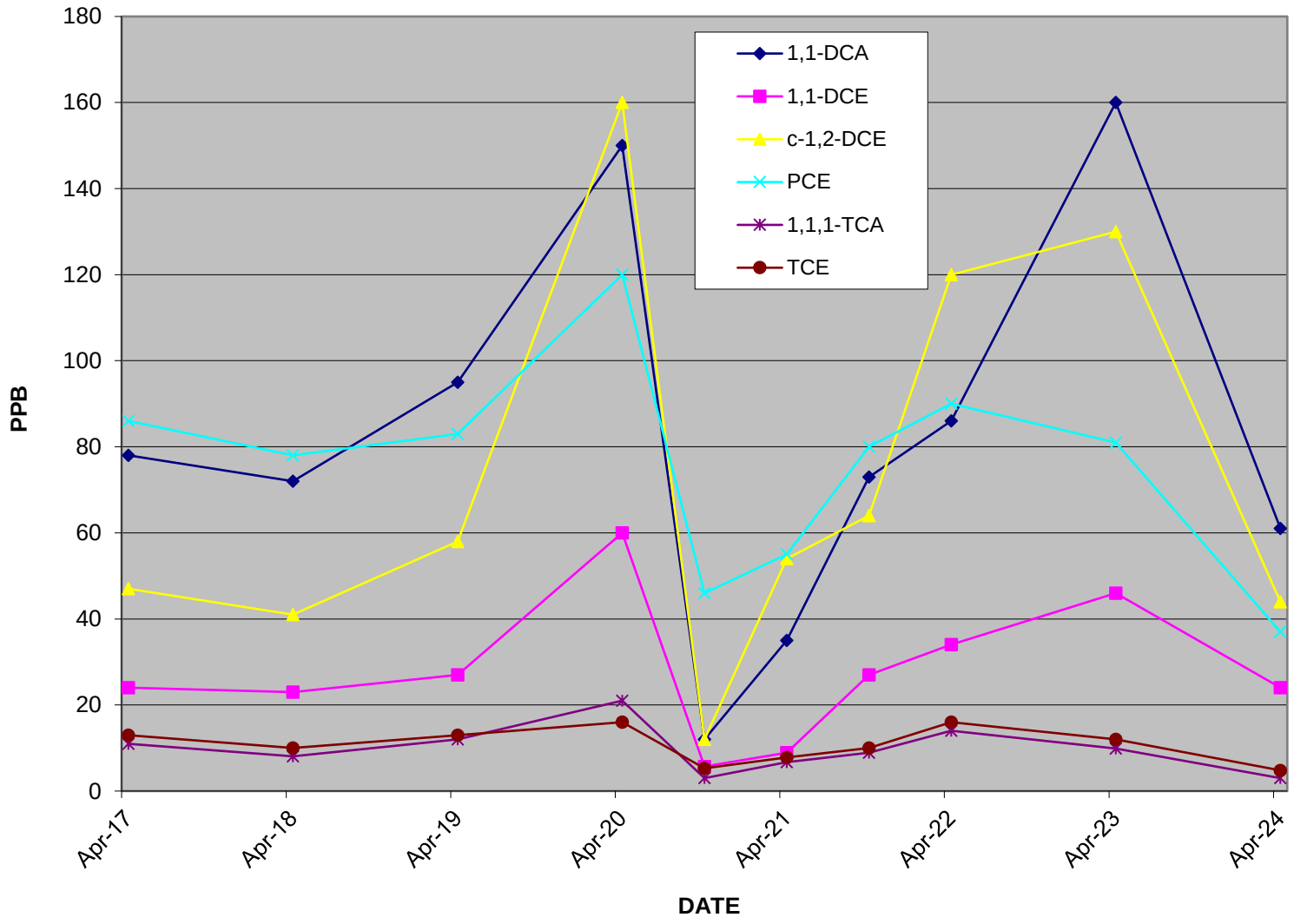
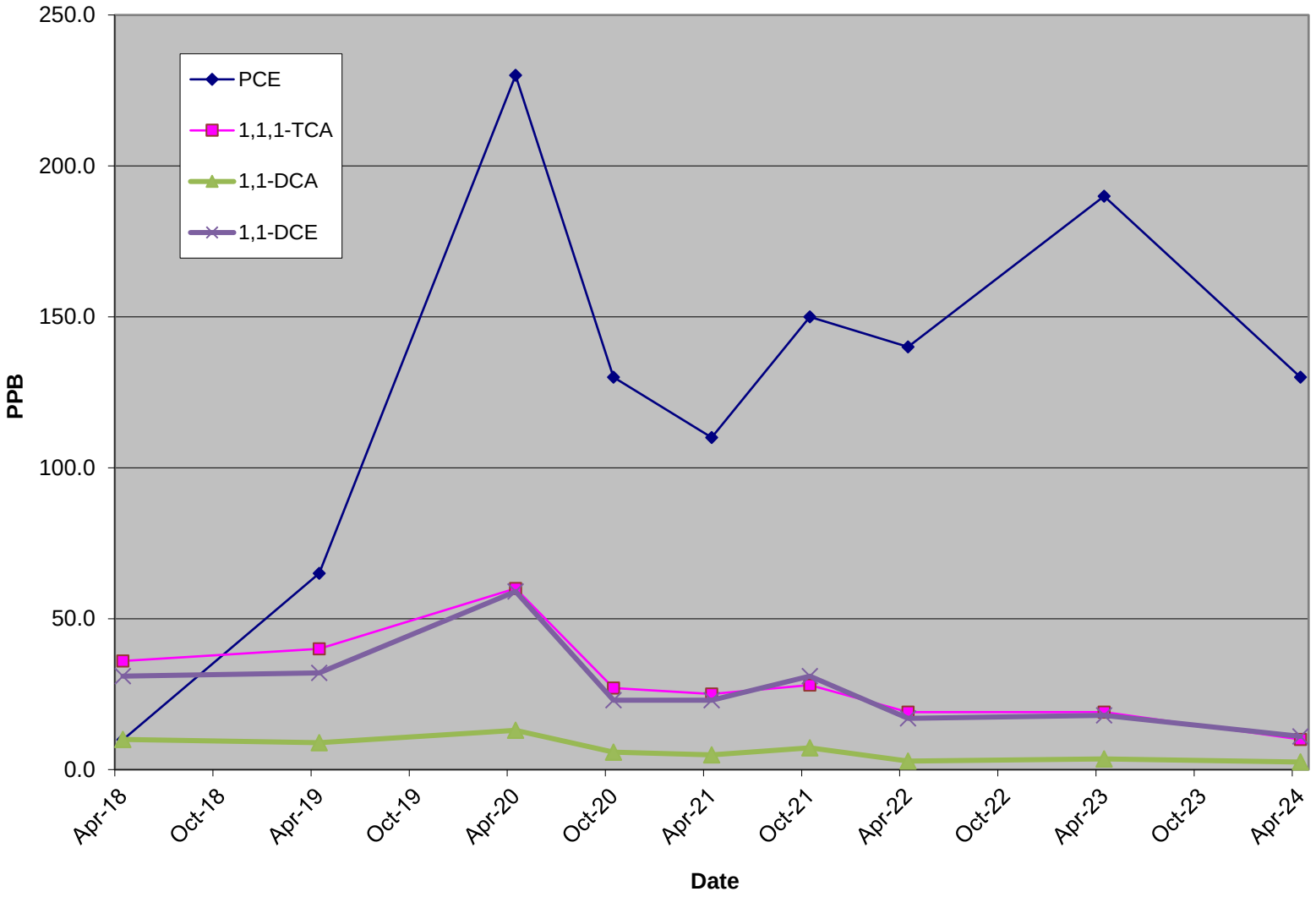
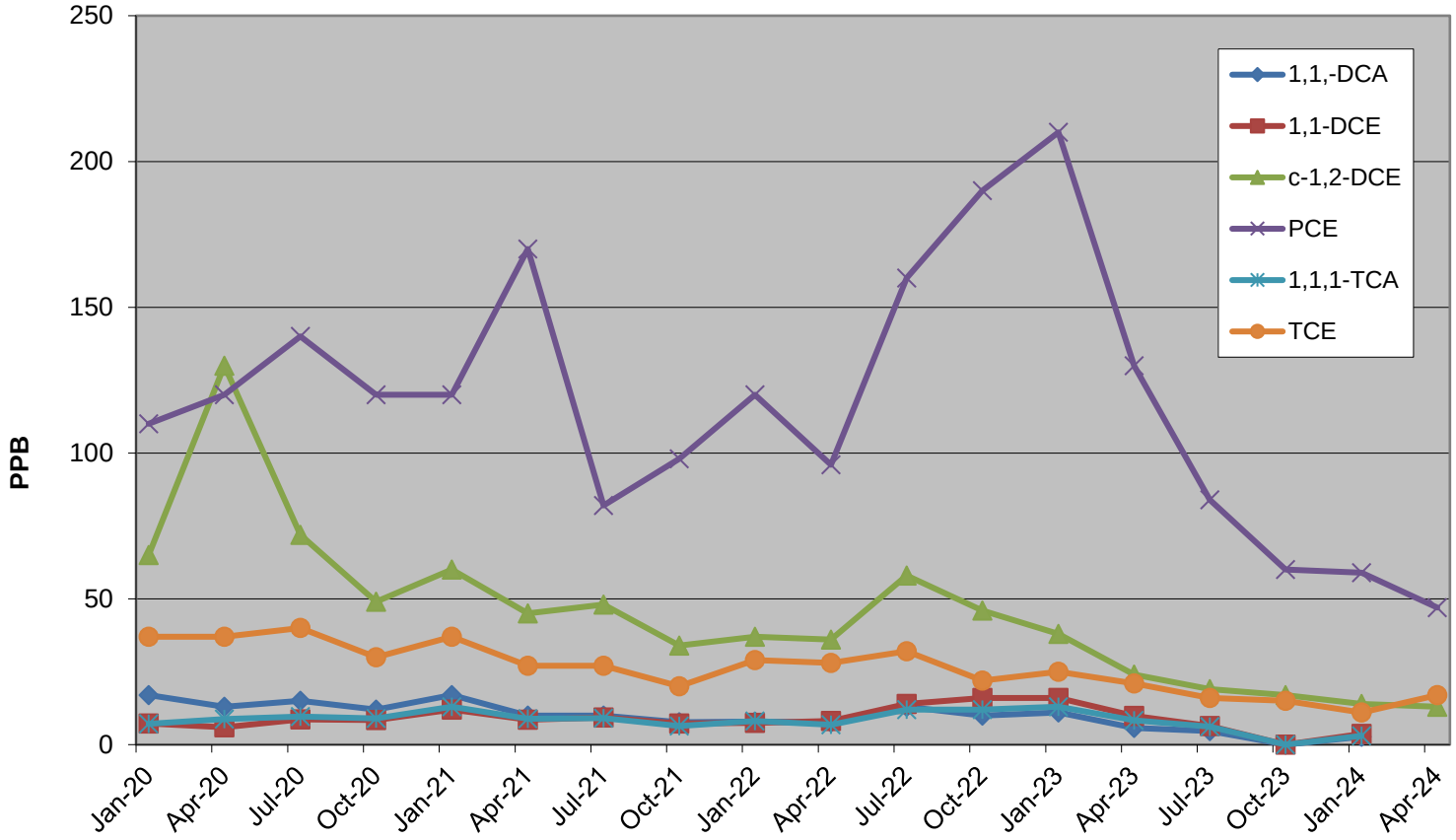
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date

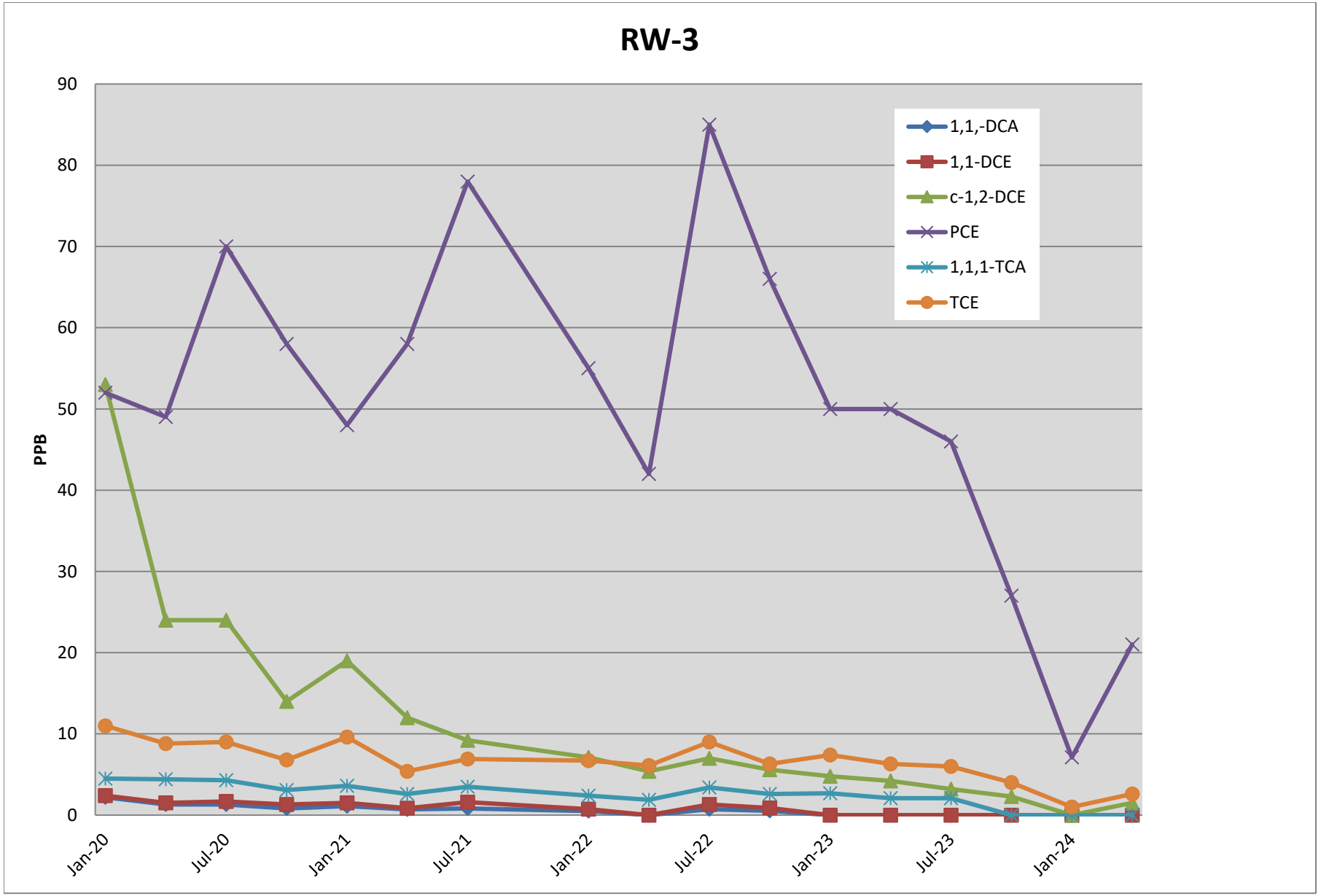

MW-37I
2017 to Present
PPB
25
20
15
10
5
0
Apr-17
Jun-17
Aug-17
Oct-17
Dec-17
Feb-18
Apr-18
Jun-18
Aug-18
Oct-18
Dec-18
Feb-19
Apr-19
Jun-19
Aug-19
Oct-19
Dec-19
Feb-20
Apr-20
Jun-20
Aug-20
Oct-20
Dec-20
Feb-21
Apr-21
Jun-21
Aug-21
Oct-21
Dec-21
Feb-22
Apr-22
Jun-22
Aug-22
Oct-22
Dec-22
Feb-23
Apr-23
Jun-23
Aug-23
Oct-23
Dec-23
Feb-24
Apr-24
Date
c-1,2-DCE
PCE
1,1,1-TCA
1,1-DCA
1,1-DCE
Vinyl Chloride

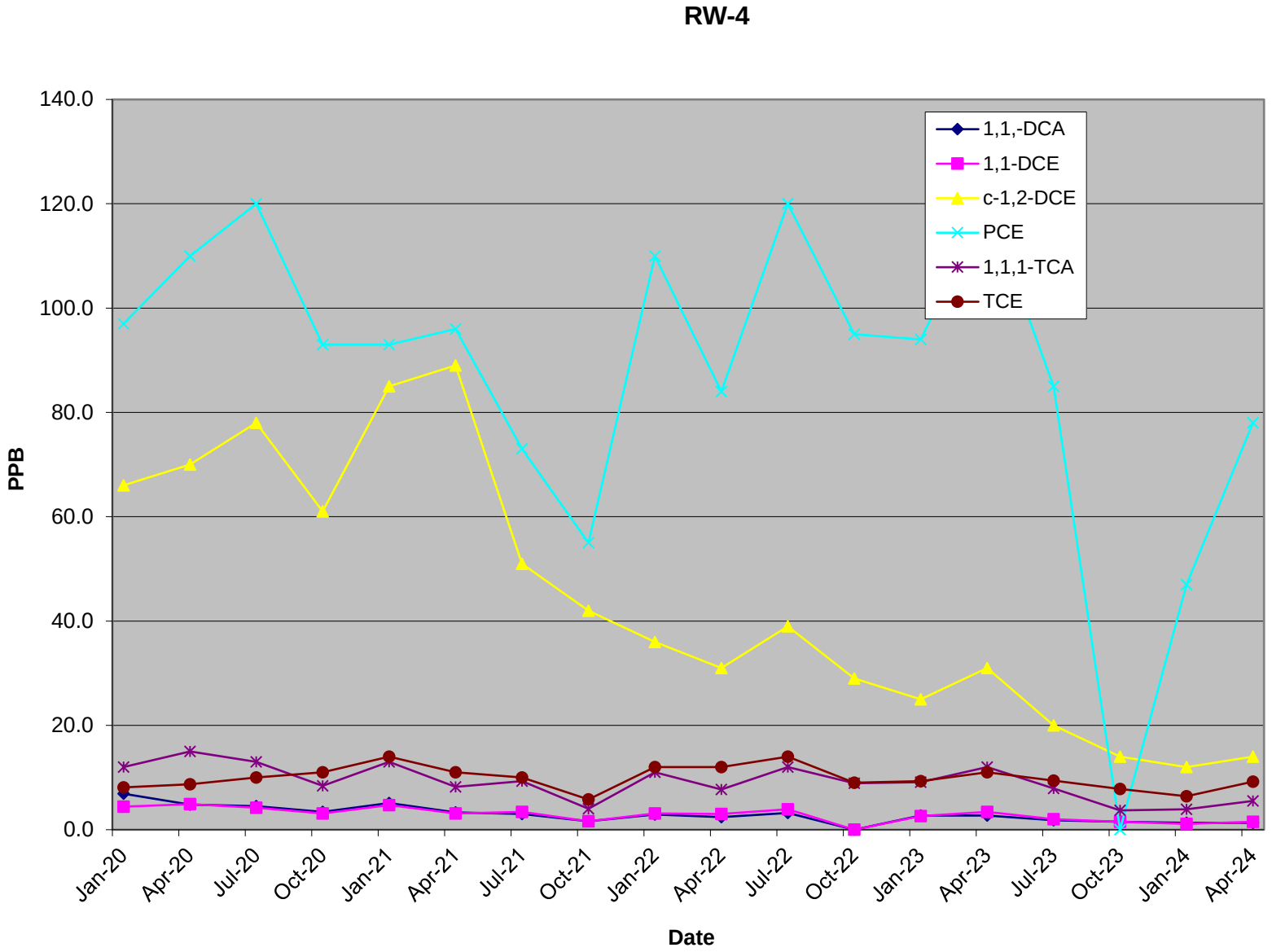

MW-38S
PPB
DATE
180
160
140
120
100
80
60
40
20
0
Apr-17
Apr-18
Apr-19
Apr-20
Apr-21
Apr-22
Apr-23
Apr-24
1,1-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE

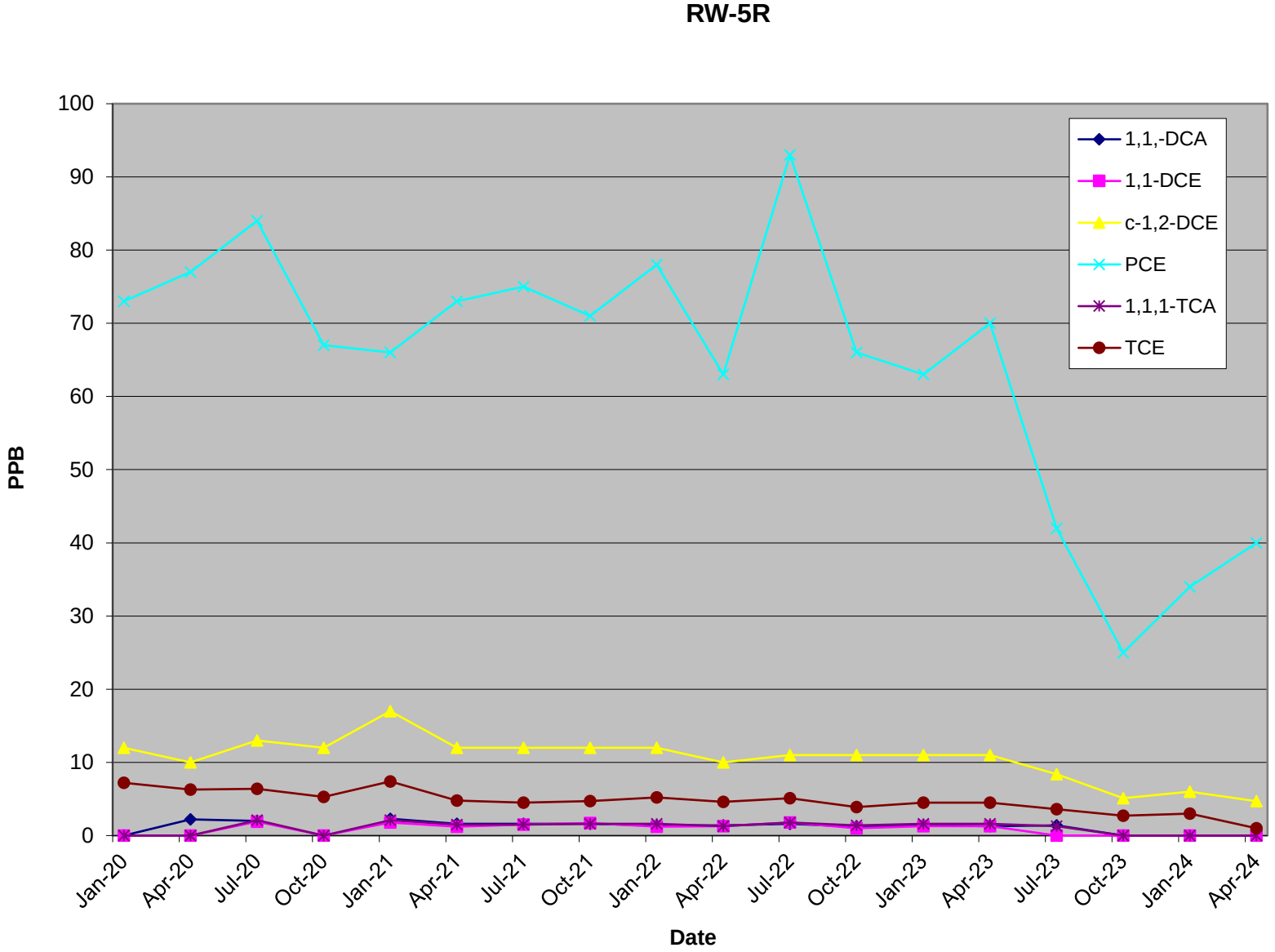

MW-61D
250.0
200.0
150.0
100.0
50.0
0.0
PPB
PCE
1,1,1-TCA
1,1-DCA
1,1-DCE
Apr-18
Oct-18
Apr-19
Oct-19
Apr-20
Oct-20
Apr-21
Oct-21
Apr-22
Oct-22
Apr-23
Oct-23
Apr-24
Date

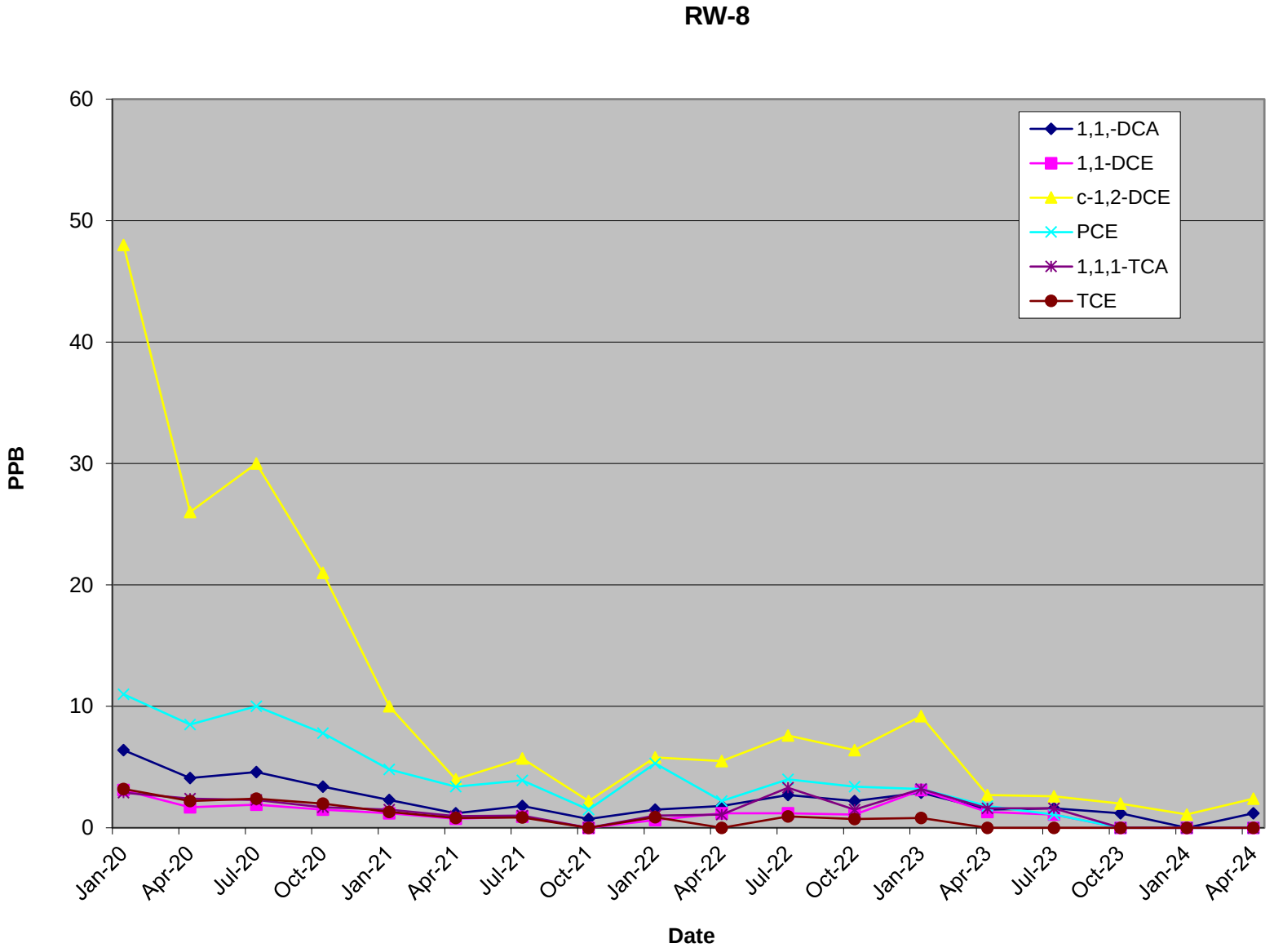
RW-2

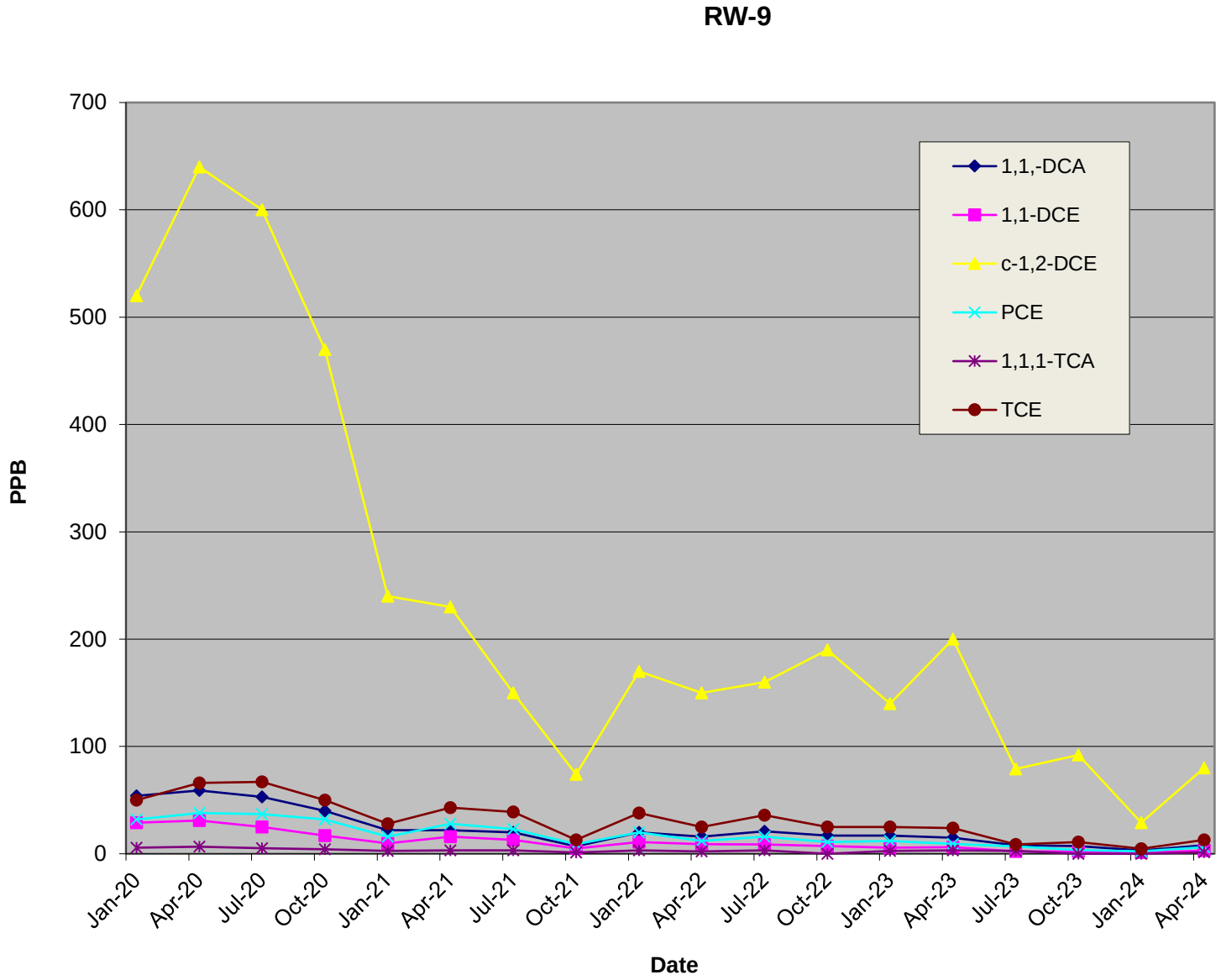

PPB
250
200
150
100
50
0
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
1,1,-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE

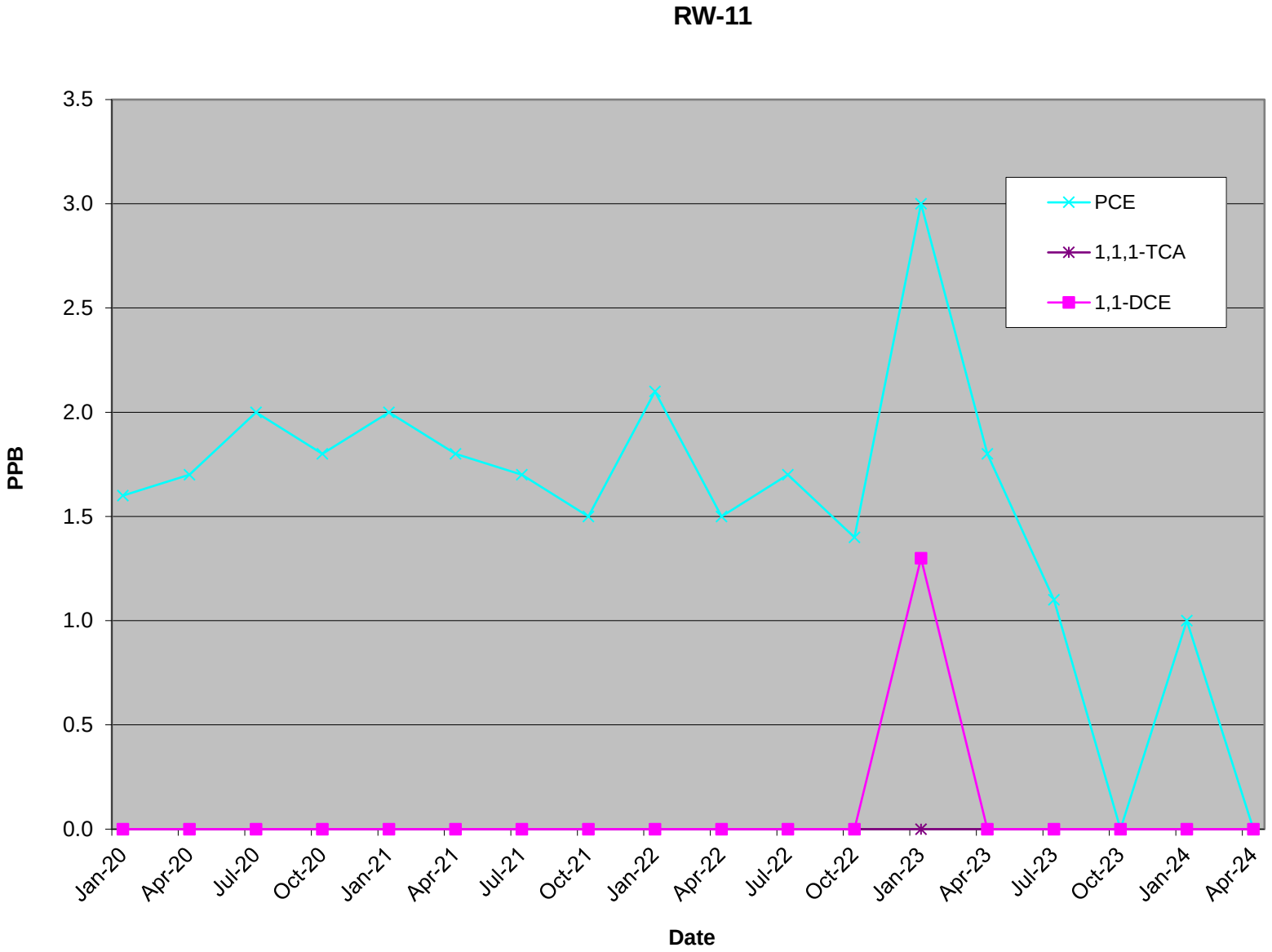

RW-3
PPB
90
80
70
60
50
40
30
20
10
0
Jan-20
Jul-20
Jan-21
Jul-21
Jan-22
Jul-22
Jan-23
Jul-23
Jan-24
1,1,-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE


RW-4
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
PPB
1,1,-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date

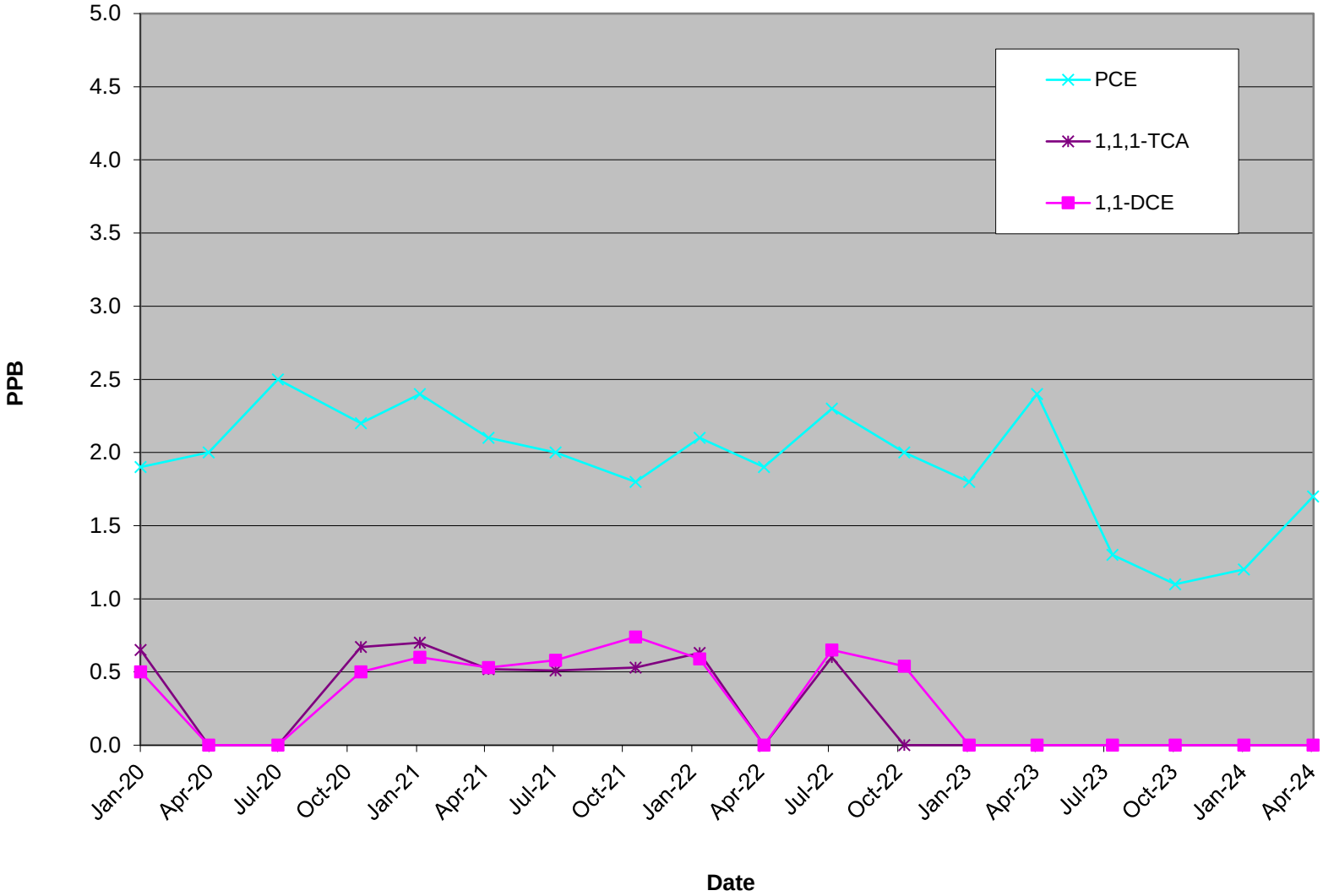

RW-5R
PPB
100
90
80
70
60
50
40
30
20
10
0
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date
1,1,-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE


RW-8
60
50
40
30
20
10
0
PPB
1,1,-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date


RW-9
700
600
500
400
300
200
100
0
PPB
1,1,-DCA
1,1-DCE
c-1,2-DCE
PCE
1,1,1-TCA
TCE
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date


RW-11
PPB
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
PCE
1,1,1-TCA
1,1-DCE
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date

RW-12


5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
PPB
PCE
1,1,1-TCA
1,1-DCE
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
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Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date

RW-13

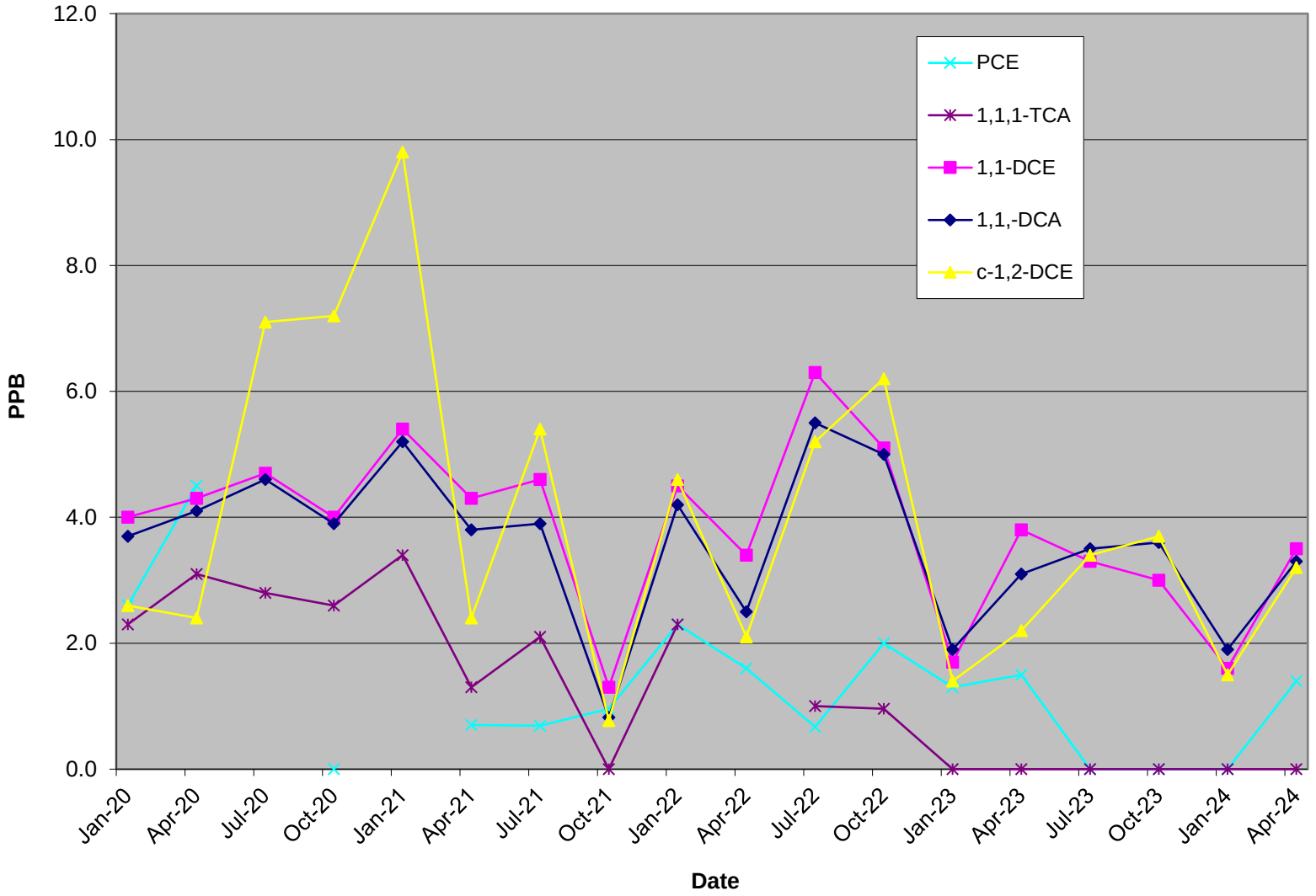
12.0
10.0
8.0
6.0
4.0
2.0
0.0
PPB
PCE
1,1,1-TCA
1,1-DCE
1,1,-DCA
c-1,2-DCE
Jan-20
Apr-20
Jul-20
Oct-20
Jan-21
Apr-21
Jul-21
Oct-21
Jan-22
Apr-22
Jul-22
Oct-22
Jan-23
Apr-23
Jul-23
Oct-23
Jan-24
Apr-24
Date

Table-1
Soil Vapor Extraction Sampling
FORMER MILLER CONTAINER FACILITY

NYSDEC SITE # 7-38-029

DATE: February 15, 2024

Centek Report No.: C2402035

Location	1,1,1-TCA	*1,1-DCA	1,1-DCE	*1,4-Dioxane	cis-1,2-DCE	Methylene Chloride	PCE	TCE
NYSDOH Matrix	B	N/A	A	N/A	A	B	B	A
Mitigation Req'd Action Level	1000 $\mu g/m^3$	1000 $\mu g/m^3$	60 $\mu g/m^3$	1000 $\mu g/m^3$	60 $\mu g/m^3$	1000 $\mu g/m^3$	1000 $\mu g/m^3$	60 $\mu g/m^3$
DPEN-1	11.0	3.3	0.71	<1.1	8.3	0.54	50	2.3
DPEN-2	15	3.8	0.52	<1.1	9.9	0.63	110	1.5
DPEN-4	1300	550	17	0.68	1600	3.1	620	420
SVEN-2	9.8	1	0.83	34	3	0.59	120	1.8

All readings in $\mu g/m^3$

* Matrix B is assumed for all compounds not specifically listed

TABLE-2
FORMER MILLER CONTAINER FACILITY
SVE SYSTEM MONITORING
February 15, 2024

Well	Delta p	SCFM	Cu M/day	Total VOC ug/m3	ug/day	g/day
DPEN-1	0.29	29.9	1217	76	92530	0.09
DPEN-2	1.10	58.1	2371	141	334337	0.33
DPEN-4	0.50	39.2	1599	4510	7209914	7.21
SVEN-2	0.60	42.9	1751	171	299461	0.30
SVEN-6	0.00	0.0	0		0	0.00
SVEN-7	0.50	39.2	1599		0	0.00
SVEN-8	0.00	0.0	0		0	0.00
SVEN-10	0.20	24.8	1011		0	0.00
SVEN-11	0.00	0.0	0		0	0.00
Total Cubic meters per day			9548.29		Grams per day	7.94
					Pounds per day	0.017
					Pounds per month	0.51
					Pounds per year	6.39

Flow rates are calculated using the formula $Q(SCFM)=128.8*K*D^2*SQRT(P*DP/(T+460*S_s))$ from Dwyer where k is flow coeficient for standard Operating ranges

K values	1-Inch	1.5-Inch	2-Inch	3-Inch	4-Inch	6-inch
	0.52	0.58	0.64	0.67	0.67	0.71

Dp differential pressure expressed in inches of Water Column
D inside diameter of pipe expressed in inches
P static line pressure expressed in (psia)
S_s $S_p G_r$ at 60 deg F
The above table applies only to air flowing under standard atmospheric conditions

Appendix E

6 NYCRR PART 375		
Environmental Remediation Programs		
Table 375-6.8 (b)		
	Soil Clean-up Levels (PPM)	
Compound	Commercial	Industrial
1,1-Dichloroethane	240	480
Acetone	500	1000
1,1-Dichloroethene	500	1000
1.2-Dichloroethene (cis-1,2-Dichloroethene)	500	1000
1,1,1-Trichloroethane	150	300
Tetrachloroethylene	150	300
Methylene Chloride	500	1000
Trichloroethylene	200	400
Benzene	44	89
Toluene	500	1000
Xylenes	500	1000
Methyl Isobutyl Ketone	NS	NS
Methyl Butyl Ketone	NS	NS
Methyl Amyl Ketone	NS	NS
4-Methyl-2-Pentanol	NS	NS
alpha-Pinene	NS	NS
Phenanthrene	NS	NS
2-Octanone	NS	NS
Ethylbenzene	390	780

NS - Not Specified

NEW YORK STATE ROUTE No. 481

NEW YORK STATE ROUTE No. 481

COUNTY ROUTE No.57

50.21 ACRES
TAX MAP PARCEL
254.00-05-04.01

PROPOSED PAVEMENT EXPANSION

POND

TOWN OF VOLNEY
CITY OF FULTON

NOW OR FORMERLY
POWER MILL CORP
BK. 1079 PG. 153

NOW OR FORMERLY
BARRINGTON HILLS ASSOC
BK. 1060 PG. 113

NOW OR FORMERLY
NIAGARA MOHAWK POWER CORPORATION
BK. 1063 PG. 151

NOW OR FORMERLY
RAILROAD BONDS, INC.
BK. 147 PG. 316

HIGHWAY BOUNDARY

EXCEPTION 2008-00R216

NORTH LINE SUB. B

EXTENDED NORTH LINE

SANITARY SEWER EASEMENT
BK. 1063 PG. 151

ASPHALT DRIVE

ASPHALT PARKING AREA

CONCRETE PAD

GRAVEL

CHAIN LINK FENCE

WOOD FENCE

WIRE FENCE

OVERHEAD WIRES

GUIDE RAIL

CONCRETE BLOCK METAL BUILDING

BLDG. NO. 1 #1

BLDG. NO. 2 #2

BLDG. NO. 3 #3

BLDG. NO. 4 #4

BLDG. NO. 5 #5

BLDG. NO. 6 #6

BLDG. NO. 7 #7

BLDG. NO. 8 #8

BLDG. NO. 9 #9

BLDG. NO. 10 #10

BLDG. NO. 11 #11

BLDG. NO. 12 #12

BLDG. NO. 13 #13

BLDG. NO. 14 #14

BLDG. NO. 15 #15

BLDG. NO. 16 #16

BLDG. NO. 17 #17

BLDG. NO. 18 #18

BLDG. NO. 19 #19

BLDG. NO. 20 #20

BLDG. NO. 21 #21

BLDG. NO. 22 #22

BLDG. NO. 23 #23

BLDG. NO. 24 #24

BLDG. NO. 25 #25

BLDG. NO. 26 #26

BLDG. NO. 27 #27

BLDG. NO. 28 #28

BLDG. NO. 29 #29

BLDG. NO. 30 #30

BLDG. NO. 31 #31

BLDG. NO. 32 #32

BLDG. NO. 33 #33

BLDG. NO. 34 #34

BLDG. NO. 35 #35

BLDG. NO. 36 #36

BLDG. NO. 37 #37

BLDG. NO. 38 #38

BLDG. NO. 39 #39

BLDG. NO. 40 #40

BLDG. NO. 41 #41

BLDG. NO. 42 #42

BLDG. NO. 43 #43

BLDG. NO. 44 #44

BLDG. NO. 45 #45

BLDG. NO. 46 #46

BLDG. NO. 47 #47

BLDG. NO. 48 #48

BLDG. NO. 49 #49

BLDG. NO. 50 #50

BLDG. NO. 51 #51

BLDG. NO. 52 #52

BLDG. NO. 53 #53

BLDG. NO. 54 #54

BLDG. NO. 55 #55

BLDG. NO. 56 #56

BLDG. NO. 57 #57

BLDG. NO. 58 #58

BLDG. NO. 59 #59

BLDG. NO. 60 #60

BLDG. NO. 61 #61

BLDG. NO. 62 #62

BLDG. NO. 63 #63

BLDG. NO. 64 #64

BLDG. NO. 65 #65

BLDG. NO. 66 #66

BLDG. NO. 67 #67

BLDG. NO. 68 #68

BLDG. NO. 69 #69

BLDG. NO. 70 #70

BLDG. NO. 71 #71

BLDG. NO. 72 #72

BLDG. NO. 73 #73

BLDG. NO. 74 #74

BLDG. NO. 75 #75

BLDG. NO. 76 #76

BLDG. NO. 77 #77

BLDG. NO. 78 #78

BLDG. NO. 79 #79

BLDG. NO. 80 #80

BLDG. NO. 81 #81

BLDG. NO. 82 #82

BLDG. NO. 83 #83

BLDG. NO. 84 #84

BLDG. NO. 85 #85

BLDG. NO. 86 #86

BLDG. NO. 87 #87

BLDG. NO. 88 #88

BLDG. NO. 89 #89

BLDG. NO. 90 #90

BLDG. NO. 91 #91

BLDG. NO. 92 #92

BLDG. NO. 93 #93

BLDG. NO. 94 #94

BLDG. NO. 95 #95

BLDG. NO. 96 #96

BLDG. NO. 97 #97

BLDG. NO. 98 #98

BLDG. NO. 99 #99

BLDG. NO. 100 #100

BLDG. NO. 101 #101

BLDG. NO. 102 #102

BLDG. NO. 103 #103

BLDG. NO. 104 #104

BLDG. NO. 105 #105

BLDG. NO. 106 #106

BLDG. NO. 107 #107

BLDG. NO. 108 #108

BLDG. NO. 109 #109

BLDG. NO. 110 #110

BLDG. NO. 111 #111

BLDG. NO. 112 #112

BLDG. NO. 113 #113

BLDG. NO. 114 #114

BLDG. NO. 115 #115

BLDG. NO. 116 #116

BLDG. NO. 117 #117

BLDG. NO. 118 #118

BLDG. NO. 119 #119

BLDG. NO. 120 #120

BLDG. NO. 121 #121

BLDG. NO. 122 #122

BLDG. NO. 123 #123

BLDG. NO. 124 #124

BLDG. NO. 125 #125

BLDG. NO. 126 #126

BLDG. NO. 127 #127

BLDG. NO. 128 #128

BLDG. NO. 129 #129

BLDG. NO. 130 #130

BLDG. NO. 131 #131

BLDG. NO. 132 #132

BLDG. NO. 133 #133

BLDG. NO. 134 #134

BLDG. NO. 135 #135

BLDG. NO. 136 #136

BLDG. NO. 137 #137

BLDG. NO. 138 #138

BLDG. NO. 139 #139

BLDG. NO. 140 #140

BLDG. NO. 141 #141

BLDG. NO. 142 #142

BLDG. NO. 143 #143

BLDG. NO. 144 #144

BLDG. NO. 145 #145

BLDG. NO. 146 #146

BLDG. NO. 147 #147

BLDG. NO. 148 #148

BLDG. NO. 149 #149

BLDG. NO. 150 #150

BLDG. NO. 151 #151

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BLDG. NO. 153 #153

BLDG. NO. 154 #154

BLDG. NO. 155 #155

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BLDG. NO. 189 #189

BLDG. NO. 190 #190

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BLDG. NO. 201 #201

BLDG. NO. 202 #202

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BLDG. NO. 977 #977

BLDG. NO. 978 #978

BLDG. NO. 979 #979

BLDG. NO. 980 #980

BLDG. NO. 981 #981

BLDG. NO. 982 #982

BLDG. NO. 983 #983

BLDG. NO. 984 #984

BLDG. NO. 985 #985

BLDG. NO. 986 #986

BLDG. NO. 987 #987

BLDG. NO. 988 #988

BLDG. NO. 989 #989

BLDG. NO. 990 #990

BLDG. NO. 991 #991

BLDG. NO. 992 #992

BLDG. NO. 993 #993

BLDG. NO. 994 #994

BLDG. NO. 995 #995

BLDG. NO. 996 #996

BLDG. NO. 997 #997

BLDG. NO. 998 #998

BLDG. NO. 999 #999

BLDG. NO. 1000 #1000

GENERAL PLAN
SCALE: 1"=100'

100' 0' 100' 200'
SCALE

MILLER
ENGINEERS

STATE OF NEW YORK
DOUGLAS A. MILLER
LICENSED
071575
PROFESSIONAL ENGINEER

PROJECT TITLE & LOCATION:

DEER RUN BUSINESS PARK
1902 COUNTY ROUTE 57 FULTON, NY 13069

2023 PAVEMENT EXPANSION

DRAWING INFORMATION	
Scale	AS SHOWN
Drawn	T.P.
Checked	D.A.M.
Date	12/16/22
Job No.	######

REVISIONS	

DRAWING TITLE

GENERAL PLAN

DRAWING NUMBER

GP-1

NEW YORK STATE ROUTE No. 481

PROPOSED ASPHALT PAVEMENT

RELOCATE DRAINAGE CHANNEL

PROPOSED BIO-RETENTION AREA
ELEV. 368.00 (37,800 S.F. MIN.)

FOR CONTINUATION SEE DRAWING GR-2

GRADING PLAN - EAST
SCALE: 1"=50'

50' 0' 50' 100'
SCALE

MILLER ENGINEERS

DOUGLAS A. MILLER
LICENSED
071575
PROFESSIONAL ENGINEER
STATE OF NEW YORK

PROJECT TITLE & LOCATION:

DEER RUN BUSINESS PARK
1902 COUNTY ROUTE 57 FULTON, NY 13069

2023 PAVEMENT EXPANSION

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REVISIONS	

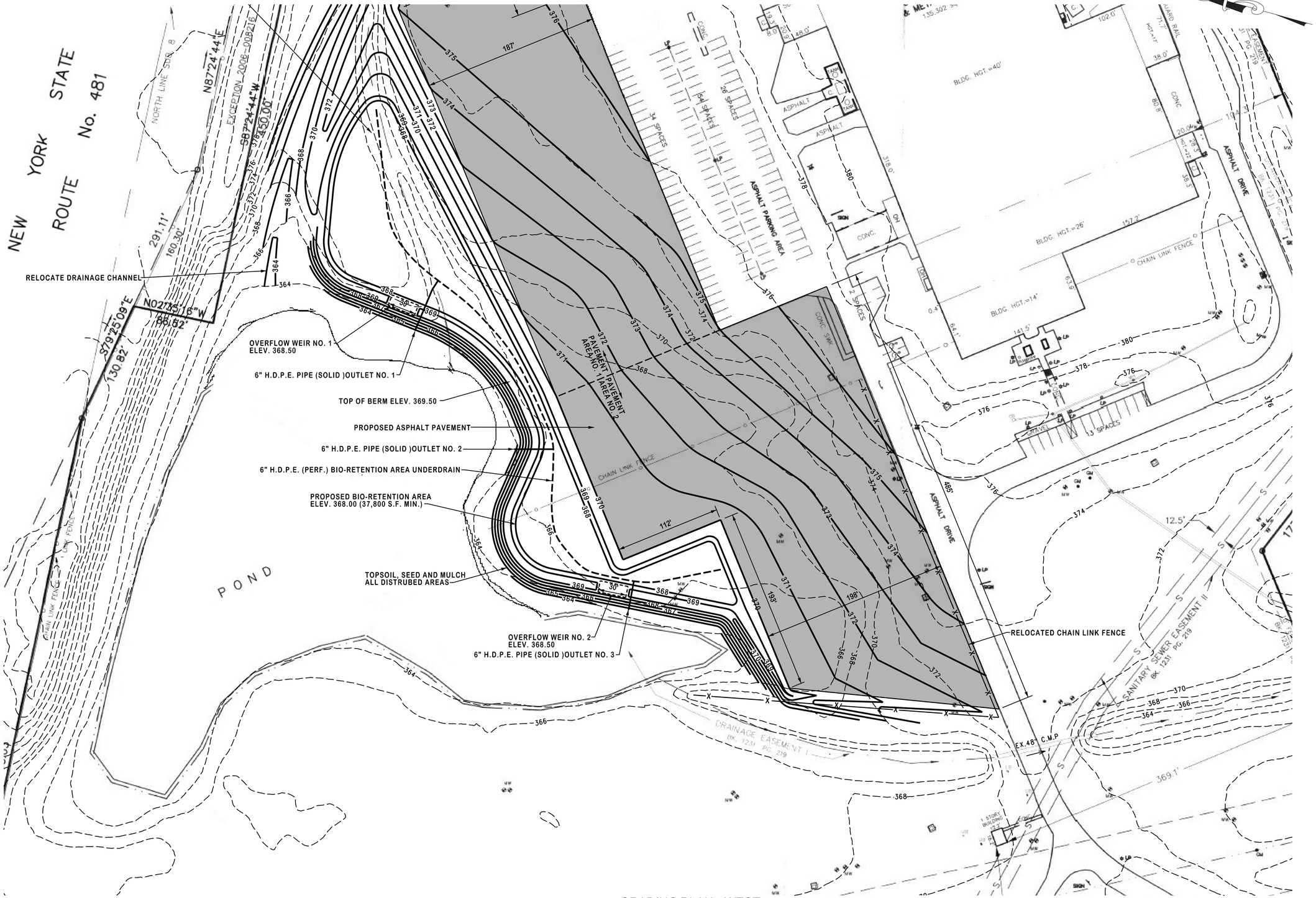
DRAWING TITLE

GRADING PLAN EAST

DRAWING NUMBER

GR-1

FOR CONTINUATION SEE DRAWING GR-1



GRADING PLAN - WEST
SCALE: 1"=50'

MILLER ENGINEERS

STATE OF NEW YORK ★ DOUGLAS A. MILLER ★ LICENSED 071575 PROFESSIONAL ENGINEER

PROJECT TITLE & LOCATION:

DEER RUN BUSINESS PARK
1902 COUNTY ROUTE 57 FULTON, NY 13069

2023 PAVEMENT EXPANSION

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Date	12/16/22
Job No.	######

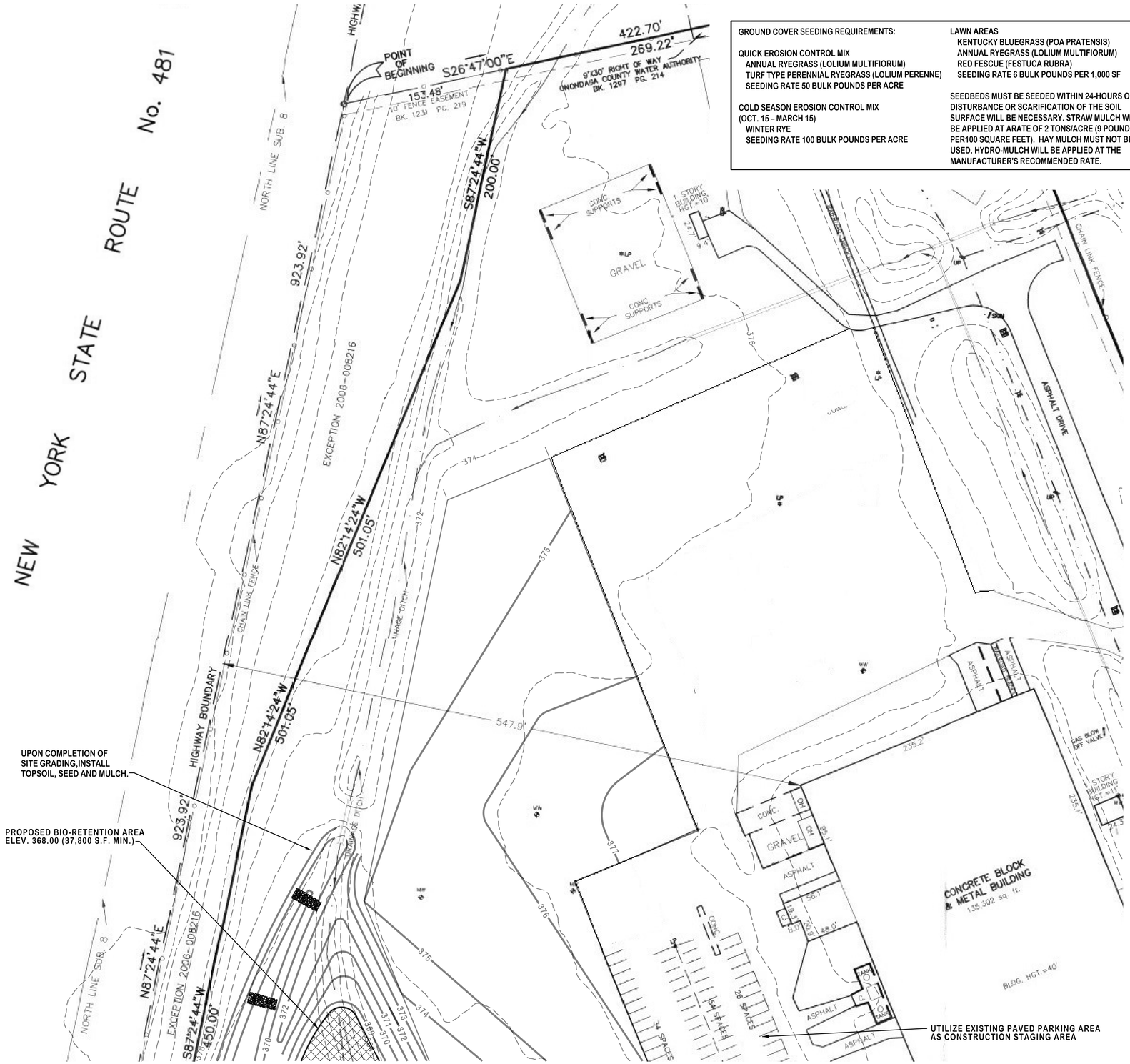
REVISIONS	

DRAWING TITLE

GRADING PLAN WEST

DRAWING NUMBER

GR-2



FOR CONTINUATION SEE DRAWING SMP-2

STORMWATER MANAGEMENT PLAN - EAST

SCALE: 1"=50'

GROUND COVER SEEDING REQUIREMENTS:

QUICK EROSION CONTROL MIX
- ANNUAL RYEGRASS (LOLIUM MULTIFIORUM)
- TURF TYPE PERENNIAL RYEGRASS (LOLIUM PERENNE)
- SEEDING RATE 50 BULK POUNDS PER ACRE

COLD SEASON EROSION CONTROL MIX
(OCT. 15 – MARCH 15)
- WINTER RYE
- SEEDING RATE 100 BULK POUNDS PER ACRE

LAWN AREAS
- KENTUCKY BLUEGRASS (POA PRATENSIS)
- ANNUAL RYEGRASS (LOLIUM MULTIFIORUM)
- RED FESCUE (FESTUCA RUBRA)
- SEEDING RATE 6 BULK POUNDS PER 1,000 SF

SEEDBEDS MUST BE SEEDED WITHIN 24-HOURS OF DISTURBANCE OR SCARIFICATION OF THE SOIL SURFACE WILL BE NECESSARY. STRAW MULCH WILL BE APPLIED AT ARATE OF 2 TONS/ACRE (9 POUNDS PER100 SQUARE FEET). HAY MULCH MUST NOT BE USED. HYDRO-MULCH WILL BE APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE.

CONSTRUCTION SEQUENCE

1. UTILIZE EXISTING MAIN ENTRANCE DRIVEWAY AS STABILIZED CONSTRUCTION ENTRANCE.
2. UTILIZE EXISTING PAVED PARKING AREA AS CONSTRUCTION STAGING AREA.
3. RELOCATE EXISTING DRAINAGE CHANNEL NORTH OF PROPOSED IMPROVEMENTS, INSTALL CHECK DAMS WITHIN DRAINAGE CHANNEL AND STABILIZE CHANNEL WITH TOPSOIL, SEED AND MULCH.
4. INSTALL SILT FENCE AS INDICATED ON THE PLANS.
5. STRIP AND STOCKPILE TOPSOIL TO THE LIMITS SHOWN ON THE PLAN FOR FUTURE USE. SEED AND MULCH STOCKPILED TOPSOIL.
6. INSTALL TEMPORARY SEDIMENT TRAP IN BIO-RETENTION AREA.
7. BEGIN EARTHWORK OPERATIONS IN PAVEMENT AREA #1. ROUGH GRADE, FINE GRADE AND INSTALL ASPHALT PAVEMENT SECTION IN PAVEMENT AREA #1 PRIOR TO ANY FURTHER LAND DISTURBANCE.
8. ONCE PAVEMENT AREA #1 IS STABILIZED, EARTHWORK OPERATIONS MAY BEGIN IN PAVEMENT AREA #2.
9. ONCE ALL NEW PAVEMENT AREAS ARE STABILIZED, WORK ON THE BIO-RETENTION AREAS MAY BEGIN.
10. COMPLETE INSTALLATION OF BIO-RETENTION AREAS.
11. UPON FINAL FINE GRADING OF ALL GRASS SURFACES, TOPSOIL, SEED AND MULCH ALL DISTURBED GRASS AREAS.
12. AFTER CONSTRUCTION IS COMPLETE AND ALL UPSTREAM TRIBUTARY DISTURBED AREAS ARE STABILIZED REMOVE TEMPORARY EROSION CONTROL MEASURES.

GENERAL NOTES

1. MAINTENANCE AND PROTECTION OF TRAFFIC ALONG WITH SECURING THE WORK AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND R.O.W. MONUMENTS IN THE AREAS OF CONSTRUCTION.
3. THESE DRAWINGS ARE BASED ON A SURVEY PREPARED BY LEHR LAND SURVEYORS, LIVERPOOL, NEW YORK DATED AUGUST 29, 2007.
4. CAUTION - NOTICE TO CONTRACTOR: THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL DIG SAFELY NEW YORK 1-800-962-7962 AND THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. THE CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET EXISTING CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
5. ALL LAND GRADING AND GROUND DISTURBANCE RELATED TO THE WORK OF THIS PROJECT SHALL BE IN ACCORDANCE WITH THE NYSDEC SPDES GENERAL PERMIT GP-0-20-001 REQUIREMENTS.
6. ALL PROPOSED ELEVATIONS SHOWN HEREON ARE FINISHED GRADE ELEVATIONS.
7. ALL DISTURBED AND CONSTRUCTED SLOPE AREAS ARE TO BE SEEDED IMMEDIATELY AFTER CONSTRUCTION HAS BEEN COMPLETED.
8. INSTALL SEDIMENT EROSION CONTROL DEVICES PRIOR TO START OF GRADING OPERATIONS AND AS NEEDED DURING CONSTRUCTION.
9. ALL CURB INLETS, FIELD INLETS, END SECTIONS AND OTHER SIMILAR DRAINAGE INLET STRUCTURES SHALL BE PROTECTED FROM SILTATION BY STAKED BALES AND FILTER FABRIC OR OTHER APPROVED EROSION CONTROL MEASURES.
10. CONSTRUCT TEMPORARY DIVERSION SWALES WHERE NECESSARY TO INSURE WORK AREAS WILL REMAIN STABLE DURING CONSTRUCTION.
11. EROSION CONTROL DEVICES TO BE ESTABLISHED PRIOR TO COMMENCING EARTHWORK. EROSION CONTROL DEVICES TO BE MAINTAINED BY THE CONTRACTOR UNTIL UPSTREAM GROUNDCOVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED.
12. CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING TO PROVIDE DUST CONTROL DURING CONSTRUCTION.

NOTE TO CONTRACTOR:
OWNER WILL BE RESPONSIBLE FOR PROVIDING A QUALIFIED PROFESSIONAL AS DESCRIBED IN SPDES GENERAL PERMIT GP-0-20-001 TO CONDUCT THE REQUIRED SITE ASSESSMENTS AND SITE INSPECTIONS AS REQUIRED IN SPDES GENERAL PERMIT GP-0-20-001.

50' 0' 50' 100'
SCALE

MILLER ENGINEERS

STATE OF NEW YORK
DOUGLAS A. MILLER
075715
LICENSED PROFESSIONAL ENGINEER

PROJECT TITLE & LOCATION:
DEER RUN BUSINESS PARK
1902 COUNTY ROUTE 57 FULTON, NY 13069
2023 PAVEMENT EXPANSION

DRAWING INFORMATION	
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Drawn	T.P.
Checked	D.A.M.
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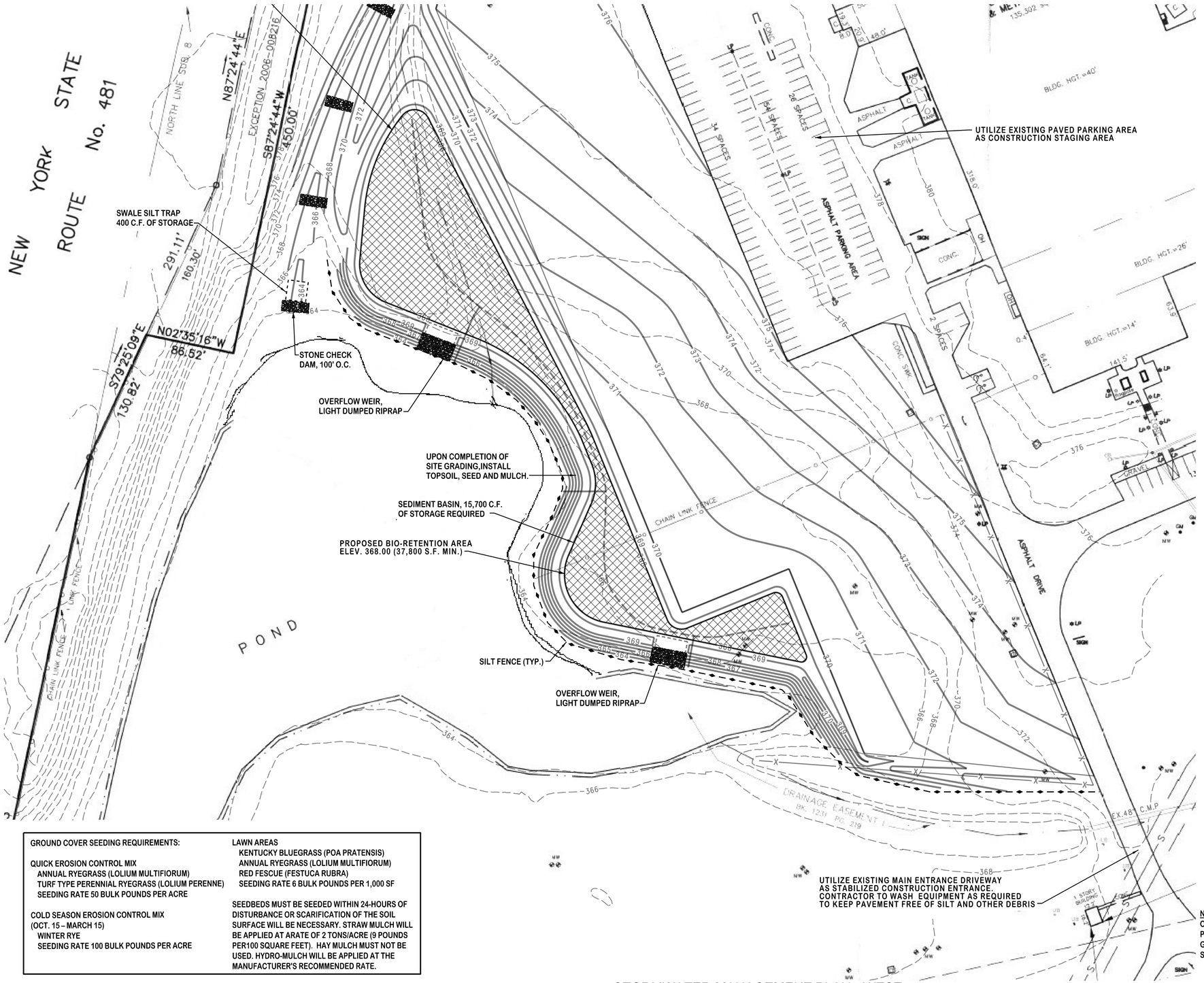
Job No.	######

REVISIONS	

DRAWING TITLE
STORMWATER MANAGEMENT PLAN EAST

DRAWING NUMBER
SMP-1

FOR CONTINUATION SEE DRAWING SMP-1



STORMWATER MANAGEMENT PLAN - WEST

SCALE: 1"=50'

GROUND COVER SEEDING REQUIREMENTS:

QUICK EROSION CONTROL MIX
- ANNUAL RYEGRASS (LOLIUM MULTIFIORUM)
- TURF TYPE PERENNIAL RYEGRASS (LOLIUM PERENNE)
- SEEDING RATE 50 BULK POUNDS PER ACRE

COLD SEASON EROSION CONTROL MIX
(OCT. 15 – MARCH 15)
- WINTER RYE
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2. UTILIZE EXISTING PAVED PARKING AREA AS CONSTRUCTION STAGING AREA.
3. RELOCATE EXISTING DRAINAGE CHANNEL NORTH OF PROPOSED IMPROVEMENTS, INSTALL CHECK DAMS WITHIN DRAINAGE CHANNEL AND STABILIZE CHANNEL WITH TOPSOIL, SEED AND MULCH.
4. INSTALL SILT FENCE AS INDICATED ON THE PLANS.
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MILLER ENGINEERS

STATE OF NEW YORK
DOUGLAS A. MILLER
071575
LICENSED PROFESSIONAL ENGINEER

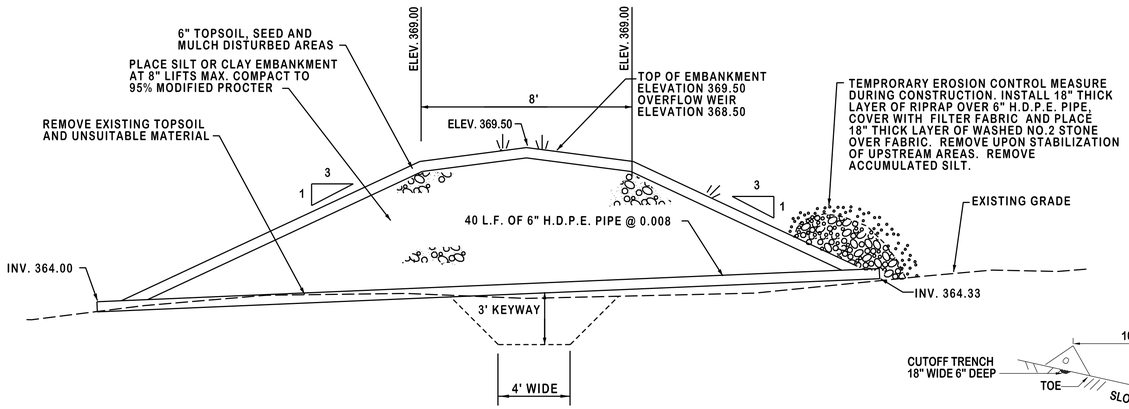
PROJECT TITLE & LOCATION:
DEER RUN BUSINESS PARK
1902 COUNTY ROUTE 57 FULTON, NY 13069
2023 PAVEMENT EXPANSION

DRAWING INFORMATION	
Scale	AS SHOWN
Drawn	T.P.
Checked	D.A.M.
Date	12/16/22
Job No.	######

REVISIONS	

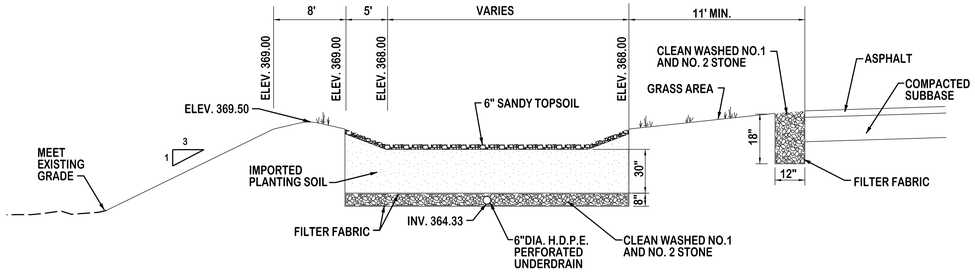
DRAWING TITLE
STORMWATER MANAGEMENT PLAN WEST

DRAWING NUMBER
SMP-2



SEDIMENT BASIN EMBANKMENT TYPICAL SECTION

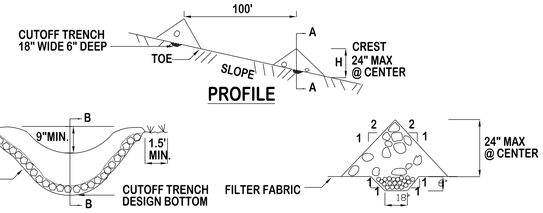
NOT TO SCALE



IMPORTED PLANTING SOIL REQUIREMENTS
SOIL CLASSIFICATION = SM OR ML
PH = 5.2-7.0
ORGANIC MATTER = 1.5% TO 4.0%
CLAY 10% TO 25%
SILT 30% TO 55%
SAND 30% TO 60%

BIORETENTION AREA TYPICAL SECTION

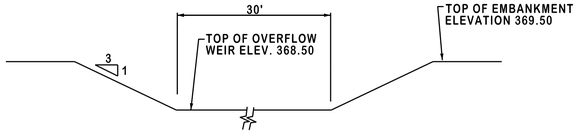
NOT TO SCALE



PROFILE

SECTION A-A

SECTION B-B



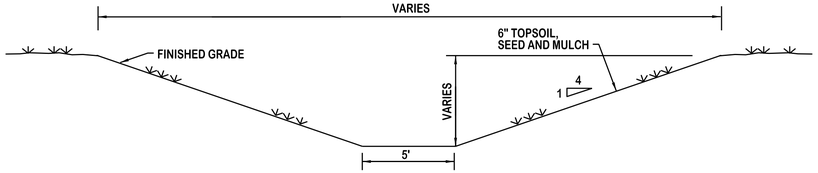
OVERFLOW WEIR PROFILE ALONG EMBANKMENT

CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES,
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW

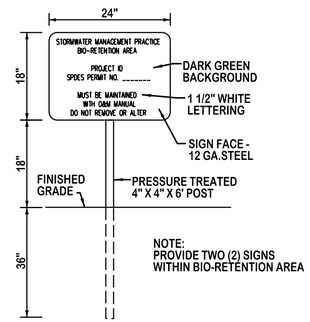
CHECK DAM

NOT TO SCALE



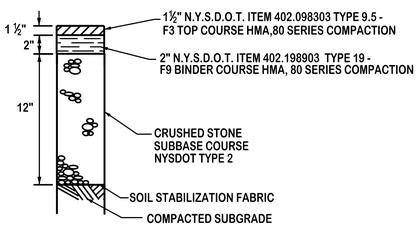
DRAINAGE CHANNEL TYPCIAL SECTION

NOT TO SCALE



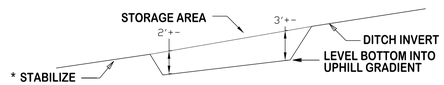
TYPE "A" SIGN

NOT TO SCALE

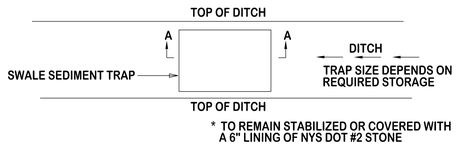


ASPHALT PAVEMENT SECTION

NOT TO SCALE



SECTION A-A



PLAN

CONSTRUCTION SPECIFICATIONS

1. THE SWALE SEDIMENT TRAP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DIMENSIONS PROVIDED ON THE DESIGN DRAWINGS OR SIZED TO PROVIDE THE MINIMUM STORAGE NECESSARY 1800 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
2. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
3. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
5. THE SEDIMENT TRAP SHALL BE REMOVED AND AREA STABILIZED WHEN THE CONTRIBUTORY DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
6. THE SWALE SEDIMENT TRAP WILL BE PROPERLY BACKFILLED AND THE SWALE OR DITCH RECONSTRUCTED.

MAXIMUM DRAINAGE AREA: 2 ACRES

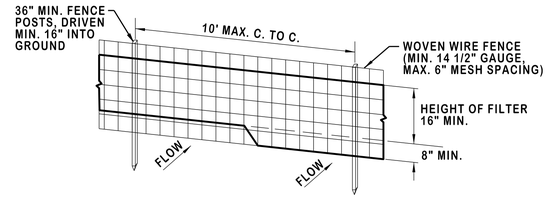
SWALE SILT TRAP DETAIL

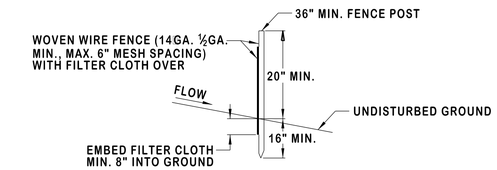
NOT TO SCALE

DETAILS

NOT TO SCALE

PERSPECTIVE VIEW





SECTION

CONSTRUCTION NOTES FOR FABRICATED FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE WITH WIRE TIES OR STAPLES
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE

POSTS: STEEL EITHER T OR U TYPE 2" HARDWOOD
FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING FILTER
CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

SILT FENCE DETAIL

NOT TO SCALE

MILLER ENGINEERS

PROJECT TITLE & LOCATION:

DEER RUN BUSINESS PARK
1902 COUNTY ROUTE 57 FULTON, NY 13069

2023 PAVEMENT EXPANSION

DRAWING INFORMATION	
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Drawn	T.P.
Checked	D.A.M.
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Job No.	######

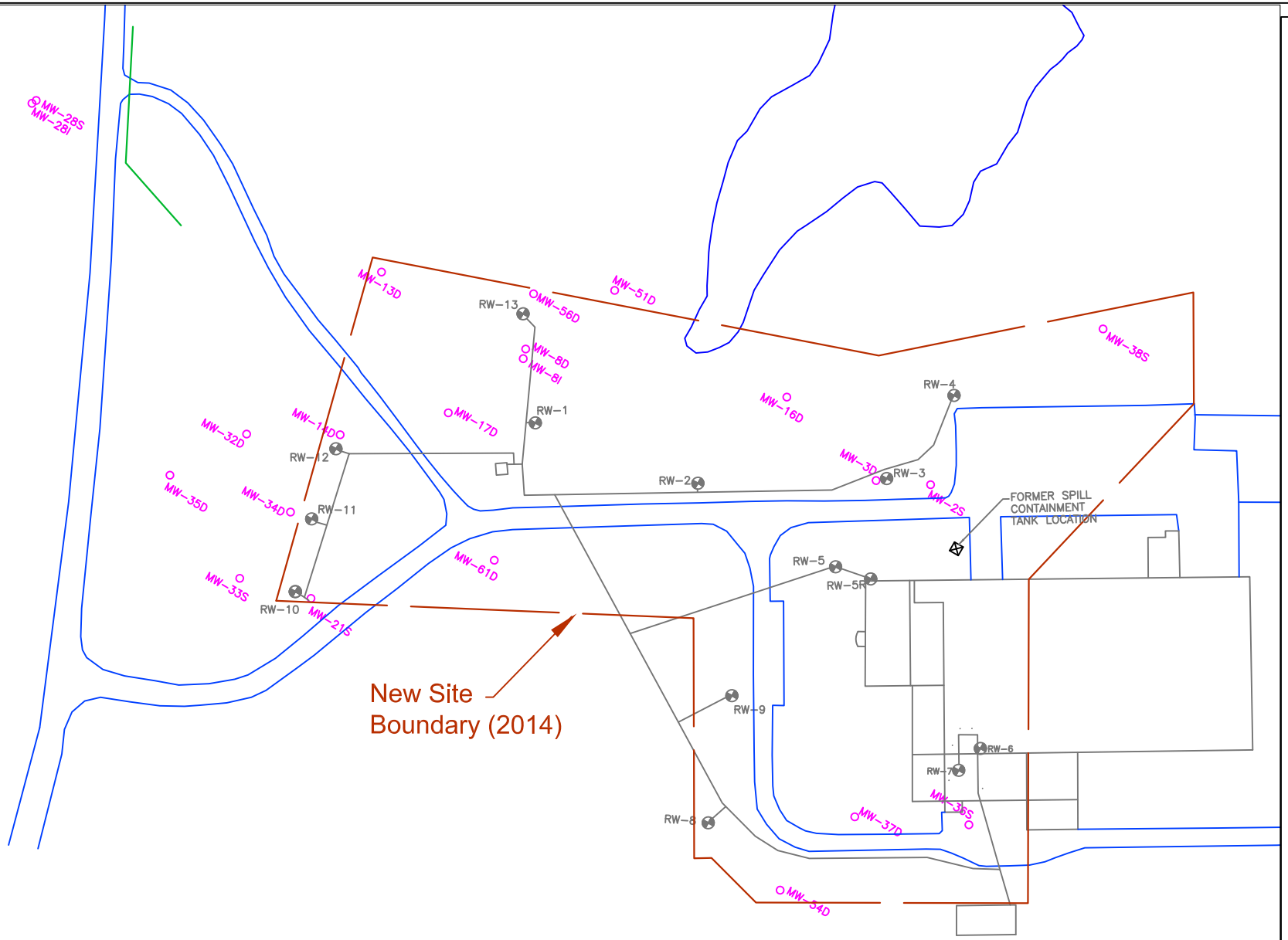
REVISIONS	

DRAWING TITLE

DETAILS

DRAWING NUMBER

DE-1



General Notes

RW-5 RECOVERY WELL

MW-16D MONITORING WELL

No.	Revision/Issue	Date

OMI

OPERATIONS & MAINTENANCE INC.
1850 ROUTE 57
FULTON, NY 13069

Project Name and Address

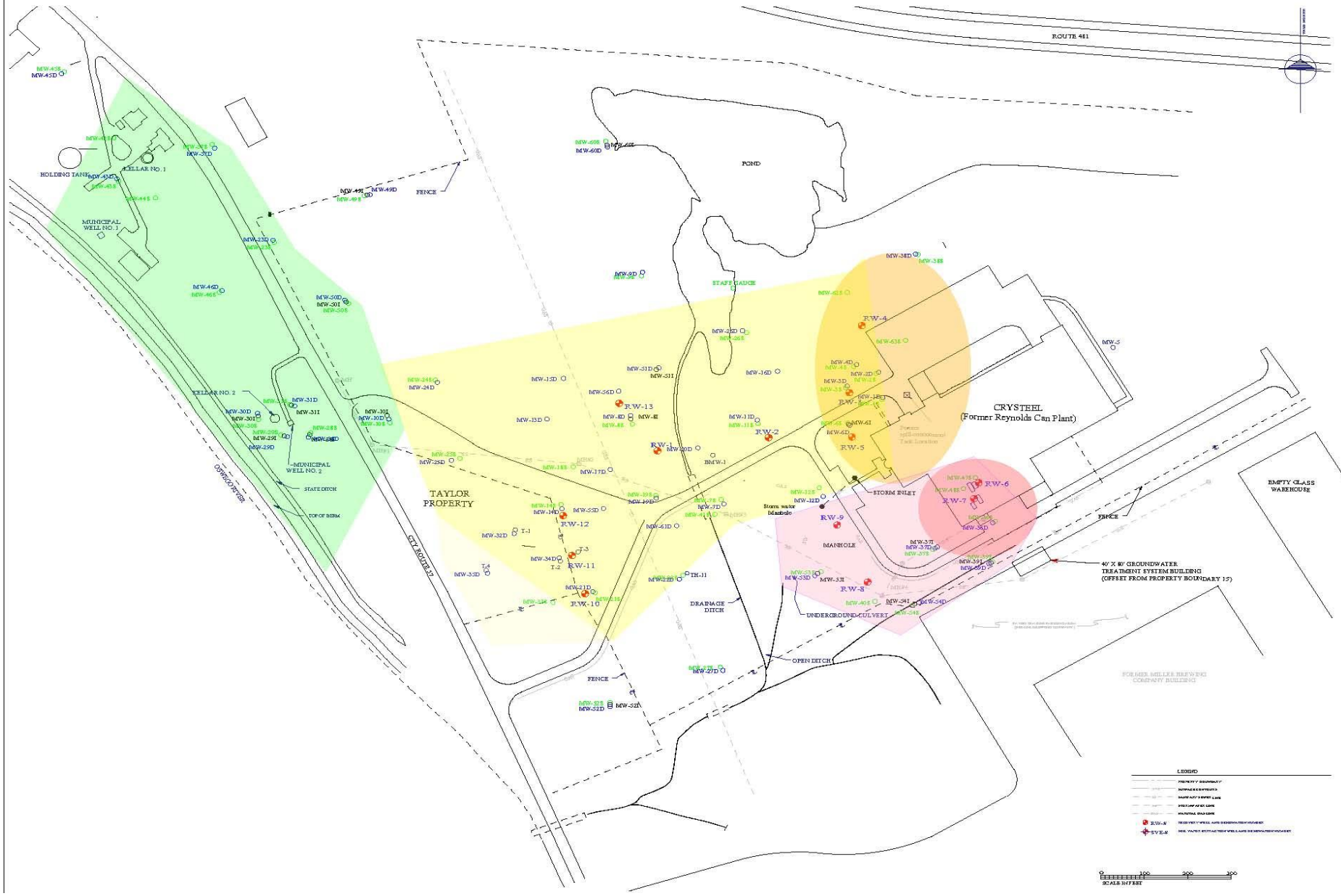
MILLER BREWING CO.
GROUNDWATER TREATMENT FACILITY
1850 ROUTE 57
FULTON, NY 13069

EWN WELLS

Date 07-14-15

Scale 1"=200'

Sheet FIGURE 1

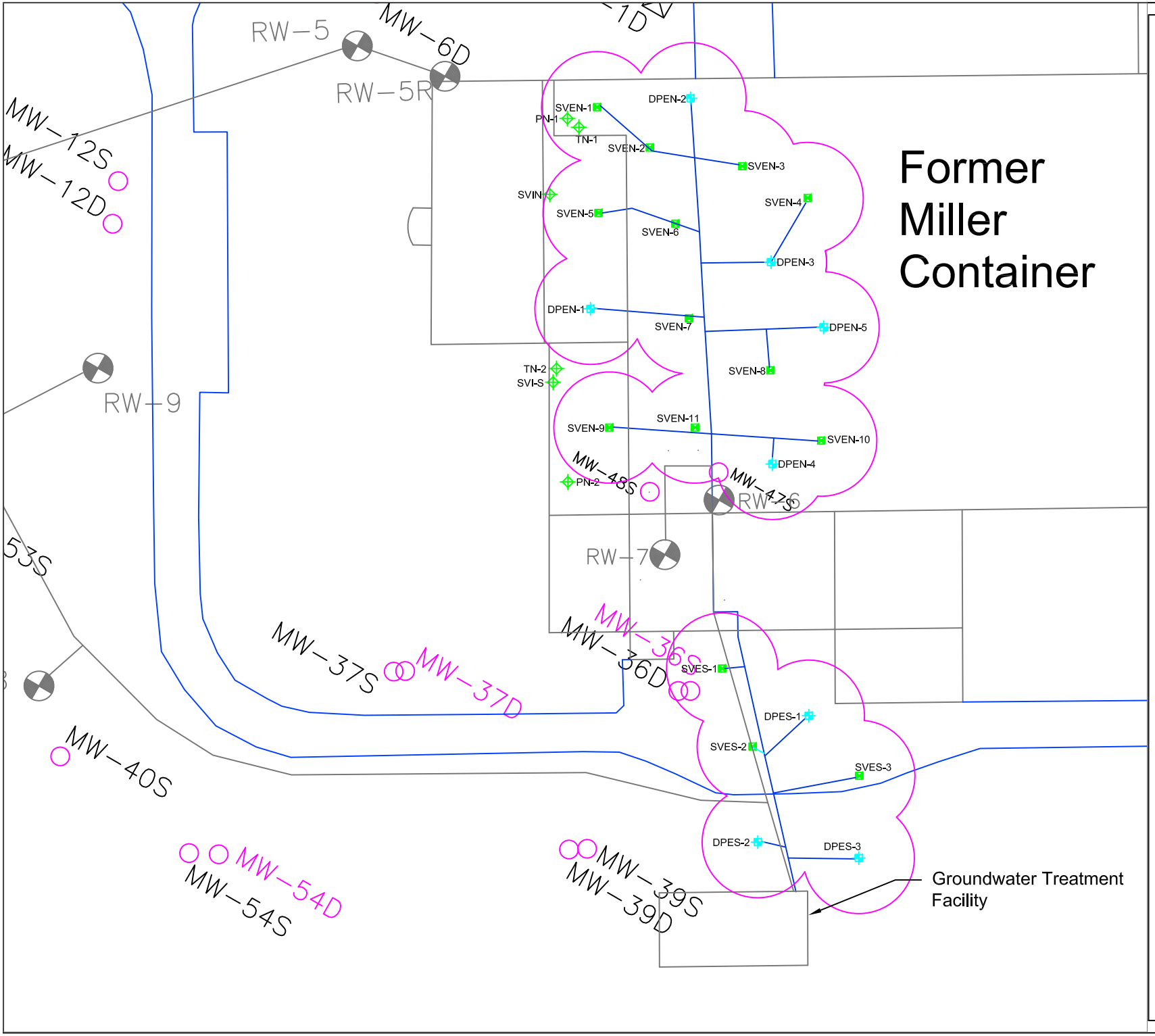


2023-2024 Annual Report

Functional Monitoring Groups
Figure 2

2012-2013 Annual Report

SVE and DPE Layout
Figure 2



General Notes

RW-5 RECOVERY WELL

SVEN-5 SOIL VAPOR EXTRACTION WELL

DPEN-1 DUAL PHASE EXTRACTION WELL

SVI-S SOIL VAPOR EXTRACTION MONITORING POINT

No.	Revision/Issue	Date

OMI
OPERATIONS & MAINTENANCE INC.
1850 ROUTE 57
FULTON, NY 13069

Project Name and Address

MILLER BREWING CO.
GROUNDWATER TREATMENT FACILITY
1850 ROUTE 57
FULTON, NY 13069

2010 SVE SYSTEM

Date 02-14-14

Scale 1"=70'

Sheet FIGURE 3