NHDES Waste Management Division
29 Hazen Drive; PO Box 95
Concord, NH 03302-0095

Annual Post Closure Report 2023

Rye Municipal Landfill
Breakfast Hill Road

Rye, NH 03870
NHDES Site #: 123456789
Project Type: LAND/UNLN
Project Number: 0000225

Victoria Penrose Tarbell
Digitally signed by Victoria Penrose Tarbell
Date: 2024.03.29 15:11:18 -04'00'

Prepared for:
Town of Rye
10 Central Road
Rye, NH 03870
Phone Number (603) 964-5523
RP Contact Name: Matt Scruton
RP Contact Email: mscruton@town.rye.nh.us

Prepared by:
CMA Engineers, Inc.
35 Bow Street
Portsmouth, NH 03801
Phone Number: (603) 817-4716
Contact Name: Jodie Bray Strickland, P.E.
Contact Email: jstrickland@cmaengineers.com

Date of Report: March 29, 2024

ANNUAL POST-CLOSURE REPORT
Inactive (Closed) Solid Waste Landfills
Reporting Year *2023*

Waste Management Division, SWMB

RSA 149-M / Env-Sw 1105.07(b)(2), Env-Sw 1105.14, & Env-Sw 807.05(i)

Complete and return this form by ***MARCH 31, 2024***.

1. Facility Identification

Facility Name Rye Municipal Landfill (Breakfast Hill)		
Physical Street Address Breakfast Hill Rd		
Municipality Rye	Solid Waste Facility Permit Number None	

2. Permittee Information

Permittee Town of Rye		
Mailing Address 10 Central Rd		
Town/City Rye	State NH	ZIP Code 03870
Email Address	Daytime Phone Number	

3. Contact Person Check this box if this information has changed from last year. ☐

Name Matt Scruton	Job Title Town Administrator
Affiliation	
Email Address mscruton@town.rye.nh.us	Daytime Phone Number (603) 964-5523

4. Inspections

Date of Inspection	Inspector	Date Inspection Report Submitted to NHDES*
6/16/2023	Jodie Bray Strickland, P.E.	/ /
11/02/2023	Max Huynh, E.I.T.	/ /
/ /2023		/ /
/ /2023		/ /

* Inspection reports are due 30 days following the inspection. See Env-Sw 807.05(h). If you did not submit the inspection reports for this reporting year, attach them and check this box ☒.

SUMMARY OF INSPECTION FINDINGS				
A. General Site Condition	**Yes**	**No**	**N/A**	**Describe Condition**
1. Is access to the landfill restricted by use of gates, fences or natural barriers? Ref Env-Sw 807.03(b)(11)	☒	☐		
2. Are weather-resistant legible signs posted around the perimeter of the landfill in areas where fencing is not used? Ref Env-Sw 807.03(b)(11)	☐	☒	☐	
3. Is the access road(s) properly graded and drained? Ref Env-Sw 806.08(c)	☐	☐	☒	
4. Is any portion of the site used for activities other than post-closure monitoring and maintenance? If you answered "yes," list these activities in Section 7 (Additional Information). For each activity, indicate if it is on or off cap/cover. Ref Env-Sw 807.05(o)	☐	☒		
5. Are all groundwater monitoring wells accessible and in good condition? Ref Env-Sw 807.03(b)(8)	☒	☐	☐	
6. Is the surface water monitoring system functioning and maintained? Ref Env-Sw 807.03(b)(8)	☐	☐	☒	

B. Stormwater System Condition [Ref Env-Sw 807.03(b)(5)]	**Yes**	**No**	**N/A**	**Describe Condition**
1. Are the sedimentation/detention ponds maintained (e.g., sedimentation removed, no overgrown vegetation)?	☐	☐	☒	
2. Are culverts intact and free of obstructions?	☐	☐	☒	
3. Are perimeter drainage swales/ditches well maintained, unobstructed, and free flowing?	☐	☐	☒	
4. Do all drainage swales have positive drainage?	☐	☐	☒	
5. Are the methods used to control surface water well maintained (e.g., berms, benches)?	☐	☐	☒	
6. Are runoff channels protected to prevent scour and erosion that creates sediment?	☐	☐	☒	
7. Is there evidence of erosion (e.g., sedimentation in drainage ditches and ponds)?	☐	☒	☒	
8. Are storm drains in good condition (e.g., frame, grate, wall joints, pumps, sumps, pipes, inlet and outlet stone)?	☐	☐	☒	

C. Decomposition Gas Control System [Ref Env-Sw 807.03(b)(9)]	**Yes**	**No**	**N/A**	**Describe Condition**
1. Is the gas management system: ☒ Passive OR ☐ Active			☐	
2. If the facility has an active gas management system, are all components of the system in good working order (e.g., blower, flare)? Date the system was last tested:	☐	☐	☒	
3. If the facility has a passive gas management system, are all gas vents in good condition and functional (e.g., vent cap, riser pipe)?	☒	☐	☐	
4. Are all soil gas probes in good condition and functional?	☒	☐	☐	
5. Are all indoor air quality monitors in good condition and functional?	☒	☐	☒	
6. Are there any landfill odors?	☐	☒		
7. Is there evidence of stressed (e.g., damaged/weakened) vegetation?	☐	☒		

C. Decomposition Gas Control System [Ref Env-Sw 807.03(b)(9)]	Yes	No	N/A	Describe Condition
8. Is the permittee required to monitor methane generation from the landfill? **If "no," provide an explanation in Section 7 (Additional Information).** If "yes," answer the following questions in this section and attach a summary table of all methane data collected; include data from vents, soil probes, and indoor air quality monitors (as applicable). Evaluate any trends in Section 6 (Summary and Assessment).	☒	☐		
I. For this calendar reporting year, have methane levels exceeded 25% of the LEL inside any on or off-site structures? Ref Env-Sw 806.07(b)(1)	☐	☒	☐	
II. For this calendar reporting year, have methane levels exceeded 50% of the LEL at the property line within the soil? Ref Env-Sw 806.07(b)(2)	☐	☒	☐	
III. If "yes" to question I. or II. above, did the permittee implement contingency procedures to ensure protection of public health & safety; and notify NHDES immediately?	☐	☐	☒	

D. Cap (Cover) Condition [Ref Env-Sw 807.03(b)(4)]	Yes	No	N/A	Describe Condition
1. Is cap settlement uniform? (i.e. **No** visual evidence of depressions, water ponding, cracking, and/or sloughing)	☐	☒		Water ponding in a low spot.
2. Is an instrument survey of the cap required? Ref Env-Sw 807.03(b)(10) If "yes," attach a summary table of all survey data collected and provide an evaluation of any trends. Date(s) the survey was conducted this reporting year:	☐	☒		
3. Does cap slope promote runoff?	☐	☒		Water ponding in a low spot.
4. Is the cap mowed on a regular basis? NHDES recommends that landfills be mowed twice per year. Date(s) the landfill was mowed for this reporting year: 7/10, 9/22	☒	☐		
5. Is there evidence of erosion (e.g., erosion rills, exposed soil)?	☐	☒		
6. Is the vegetative layer in good condition?	☒	☐		
7. Is there evidence of damage due to unauthorized access?	☐	☒		
8. Is there evidence of damage due to burrowing animals?	☐	☒		

E. Leachate Collection and Leak Detection Systems [Ref Env-Sw 807.03(b)(6) & Env-Sw 807.03(b)(7)]	Yes	No	N/A	Describe Condition
1. Are there any leachate breakouts or seeps, either on or off the landfill property?	☐	☒		
2. Does the landfill have a leachate collection and/or leak detection system? If "yes," answer the following:	☐	☒	☐	
I. Are leachate collection and leak detection system appurtenances functioning properly?	☐	☐	☒	
II. Is leachate stored on-site prior to disposal? If "yes," what quantity of leachate is currently stored on-site?	☐	☐	☒	
III. Is leachate properly removed and disposed of on a periodic basis? If "yes," what is the frequency of disposal and the disposal destination?	☐	☐	☒	

5. Action Items Summary

Action Item	Carried Forward from 2022?		Date Completed	Date to be Completed	Information Attached?
There are two low spots with standing water. These areas should be filled, regraded to drain and loamed and seeded.	☐ Yes	☒ No		2025	☒
	☐ Yes	☐ No			☐
	☐ Yes	☐ No			☐
	☐ Yes	☐ No			☐
	☐ Yes	☐ No			☐
	☐ Yes	☐ No			☐
	☐ Yes	☐ No			☐
	☐ Yes	☐ No			☐

6. Summary and Assessment [Ref Env-Sw 807.05(i)] Use additional sheets if necessary.

See attached.

7. Additional Information Use additional sheets if necessary.

8. Signature

By signing below, I affirm that the material and information submitted in this report is correct and complete to the best of my knowledge and belief, and that I am the permittee or a person duly authorized to sign for the permittee.

Signature of Permittee or Duly Authorized Individual

3/29/24
Date

Matt Scruton
Printed Name of Signatory

Town Administrator
Title / Permittee Affiliation

This report contains 15 attached pages.

Form Submittal Instructions:

Please submit the completed form in PDF via email to solidwasteinfo@des.nh.gov or upload to NHDES' OneStop Data Provider portal using the universal solid waste management site code "123456789." If you are not registered as a Data Provider, you may complete a registration form to request a username, pin and password. **Please do not submit a paper copy of the completed form unless that is your only means to submit.** If you must submit the PCR in paper form, for tracking purposes please notify us by email, sent to solidwasteinfo@des.nh.gov, that you have submitted the PCR in paper form.

While not required, NHDES recommends that the permittee keep a copy of the completed PCR.

Section 6 - Summary and Assessment of Environmental Monitoring

In accordance with NHDES guidance, the Rye Municipal Landfill was inspected twice in 2023, in June and November. The inspections included an assessment of monitoring wells, passive gas vents, and the capping surface and slope of the landfill.

The cap is generally properly shedding stormwater as designed. There are no signs of erosion or channeling. The cap is well vegetated. There are two noticeable low spots where water is ponding that should be filled in, regraded, and loamed and seeded. There are other smaller areas where differential settlement may be occurring that should be monitored.

Gas monitoring was conducted in April and December at seven gas monitoring wells and two passive gas vents. Methane was detected at MW-2S in December at 1.5% (30% LEL). Methane concentrations were below detection at all other locations in December and all locations in April. A gas summary table for the past 10 years is attached.

The cap was mowed twice in 2023 – on July 10th and September 22nd. Vegetation is healthy with no sparse areas.

Groundwater is monitored annually in December. There were ambient groundwater quality exceedances (AGQS) of **manganese** (0.3 mg/L) at wells MW-4A (10 mg/L), MW-6A (2.3 mg/L), MW-7B (2.3 mg/L) and MW-10 (1.5 mg/L). **Per- and polyfluoroalkyl substances** (PFAS) were analyzed at four landfill monitoring wells and two water supply wells. An additional private water supply well (8 Random Road) was analyzed in June. Detected concentrations of **PFOA** exceeded the AQGS (12 ng/L) at MW-4A (23.9 ng/L), MW-6A (65 mg/L), and MW-10 (20.0 ng/L). **PFOS** exceeded the AGQS (15 ng/L) at MW-4A (23.0 ng/L). There were no PFAS AGQS exceedances in the two regularly sampled private water supply wells. **PFOA** was detected at 8 Random Road at a trace concentration of 2.35 ng/L. Water quality summary tables have been submitted with the groundwater summary report and are not provided herein.

The above monitoring summary is provided to show that the Rye Municipal Landfill is progressing toward achieving post closure standards with regard to the following:

a) Since closure in 1987, groundwater quality has improved, as evidenced by decreasing concentrations of some inorganic compounds and virtual elimination of volatile organic compounds. There is still a groundwater impact, which is expected to continue but decline over many years. There is no evidence of leachate breakouts or seeps.

b) The low permeability soil-capping system has decreased infiltration of precipitation into the waste mass. This has probably reduced the moisture content in the waste mass. This has substantially reduced landfill gas production at all of the monitoring locations. While the landfill still generates decomposition gases, it is at a much lower rate.

c) The low permeability soil-capping system has decreased infiltration of precipitation into the waste mass. This has apparently slowed the decomposition of waste. Therefore, the settlement of the capping system is limited. The capping system retains its functional integrity. There is no

evidence of differential settlement/depressions, ponding, protruding waste or apparent defects in the capping materials. Continued minor settlement can be anticipated for many years to come.

d) The facility does not appear to have an adverse impact on air quality. Groundwater effects have been detailed in water quality submittals made under the permit GWP-198705029-R-005. A groundwater management zone (GMZ) has been established and maintained. Any groundwater impacts appear to be contained within the GMZ.

e) The landfill currently poses minimal risk to human health and the environment.

We believe that the landfill is achieving post-closure performance standards and recommend no adjustments to the current post-closure monitoring and maintenance period.

Rye Municipal Landfill

Solid Waste Facility Permit #None

Site Inspection Report

Site Inspection June 16, 2023 by Jodie Bray Strickland, P.E.

General Site Conditions:

The perimeter fence and gate are in good, working condition and along with natural vegetation, bar the site from vehicular traffic. All groundwater monitoring wells are in good condition and accessible.

Stormwater System and Cap Condition:

The cap is properly shedding stormwater. There is no evidence of erosion or channeling. Cap settlement appears uniform. There is no visual evidence of depressions, water ponding, cracking and/or sloughing. The cap has not been mowed yet this year but vegetation is maintained.

Decomposition Gas Control System:

All gas monitoring wells are in good condition and appear to be functional. There is one gas vent that has been damaged and needs to be repaired. There are no landfill odors or evidence of stressed vegetation.

Leachate Collection and Leak Detection Systems:

There are no leachate breakout or seeps on or off the property.

FACILITY INSPECTION INFORMATION		
Facility Name: Rye Municipal Landfill		
Physical Street Address: Breakfast Hill Road		
Town/City: Rye	**Solid Waste Facility Permit Number:**	
Inspection Date: November 2, 2023	**Inspector:** Max Huynh	**Inspection:** Bi Annual

SUMMARY OF INSPECTION FINDINGS				
A. General Site Condition	**Yes**	**No**	**N/A**	**Describe Condition**
1. Is access to the landfill restricted by use of gates, fences, or natural barriers? Ref Env-Sw 807.03(b)(11)	☑	☐		
2. Are weather-resistant legible signs posted around the perimeter of the landfill in areas where fencing is not used? Ref Env-Sw 807.03(b)(11)	☑	☐	☐	
3. Is the access road(s) properly graded and drained? Ref Env-Sw 806.08(c)	☑	☐	☐	
4. Is any portion of the site used for activities other than post-closure monitoring and maintenance? If you answered "yes," list these activities in Section 7 (Additional Information). For each activity, indicate if it is on or off cap/cover. Ref Env-Sw 807.05(o)	☑	☐		
5. Are all groundwater monitoring wells accessible and in good condition? Ref Env-Sw 807.03(b)(8)	☑	☐	☐	
6. Is the surface water monitoring system functioning and maintained? Ref Env-Sw 807.03(b)(8)	☑	☐	☐	

B. Stormwater System Condition [Ref Env-Sw 807.03(b)(5)]	**Yes**	**No**	**N/A**	**Describe Condition**
1. Are the sedimentation/detention ponds maintained (e.g., sedimentation removed, no overgrown vegetation)?	☐	☐	☑	
2. Are culverts intact and free of obstructions?	☐	☐	☑	
3. Are perimeter drainage swales/ditches well maintained, unobstructed, and free flowing?	☐	☐	☑	
4. Do all drainage swales have positive drainage?	☐	☐	☑	
5. Are the methods used to control surface water well maintained (e.g., berms, benches)?	☐	☐	☑	
6. Are runoff channels protected to prevent scour and erosion that creates sediment?	☐	☐	☑	
7. Is there evidence of erosion (e.g., sedimentation in drainage ditches and ponds)?	☐	☐	☑	
8. Are storm drains in good condition (e.g., frame, grate, wall joints, pumps, sumps, pipes, inlet, and outlet stone)?	☐	☐	☑	

C. Decomposition Gas Control System [Ref Env-Sw 807.03(b)(9)]	Yes	No	N/A	Describe Condition
1. Is the gas management system: ☑ Passive OR ☐ Active			☐	
2. If the facility has an active gas management system, are all components of the system in good working order (e.g., blower, flare)? Date the system was last tested:	☐	☐	☑	
3. If the facility has a passive gas management system, are all gas vents in good condition and functional (e.g., vent cap, riser pipe)?	☑	☐	☐	
4. Are all soil gas probes in good condition and functional?	☐	☐	☑	
5. Are all indoor air quality monitors in good condition and functional?	☐	☐	☑	
6. Are there any landfill odors?	☐	☑		
7. Is there evidence of stressed (e.g., damaged/weakened) vegetation?	☐	☑		
8. Is the permittee required to monitor methane generation from the landfill? **If "no," provide an explanation in Section 7 (Additional Information).** If "yes," answer the following questions in this section and attach a summary table of all methane data collected; include data from vents, soil probes, and indoor air quality monitors (as applicable). Evaluate any trends in Section 6 (Summary and Assessment).	☑	☐		
I. For this calendar reporting year, have methane levels exceeded 25% of the LEL inside any on or off-site structures? Ref Env-Sw 806.07(b)(1)	☐	☑		
II. For this calendar reporting year, have methane levels exceeded 50% of the LEL at the property line within the soil? Ref Env-Sw 806.07(b)(2)	☐	☑		
III. If "yes" to question I. or II. above, did the permittee implement contingency procedures to ensure protection of public health & safety; and notify NHDES immediately?	☐	☐		

D. Cap (Cover) Condition [Ref Env-Sw 807.03(b)(4)]	Yes	No	N/A	Describe Condition
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2. Is an instrument survey of the cap required? Ref Env-Sw 807.03(b)(10) If "yes," attach a summary table of all survey data collected and provide an evaluation of any trends. Date(s) of the survey conducted this reporting year:	☐	☑		
3. Does cap slope promote runoff?	☐	☑		Water ponding at a low spot.
4. Is the cap mowed on a regular basis? NHDES recommends that landfills be mowed twice per year. Date(s) the landfill was mowed for this reporting year:	☑	☐		
5. Is there evidence of erosion (e.g., erosion rills, exposed soil)?	☐	☑		
6. Is the vegetative layer in good condition?	☑	☐		
7. Is there evidence of damage due to unauthorized access?	☐	☑		
8. Is there evidence of damage due to burrowing animals?	☐	☑		

E. Leachate Collection and Leak Detection Systems [Ref Env-Sw 807.03(b)(6) & Env-Sw 807.03(b)(7)]	Yes	No	N/A	Describe Condition
1. Are there any leachate breakouts or seeps, either on or off the landfill property?	☐	☑		
2. Does the landfill have a leachate collection and/or leak detection system? If "yes," answer the following:	☐	☑	☐	
I. Are leachate collection and leak detection system appurtenances functioning properly?	☐	☐	☑	
II. Is leachate stored on-site prior to disposal? If "yes," what quantity of leachate is currently stored on-site?	☐	☐	☑	
III. Is leachate properly removed and disposed of on a periodic basis? If "yes," what is the frequency of disposal and the disposal destination?	☐	☐	☑	

Supplemental Information

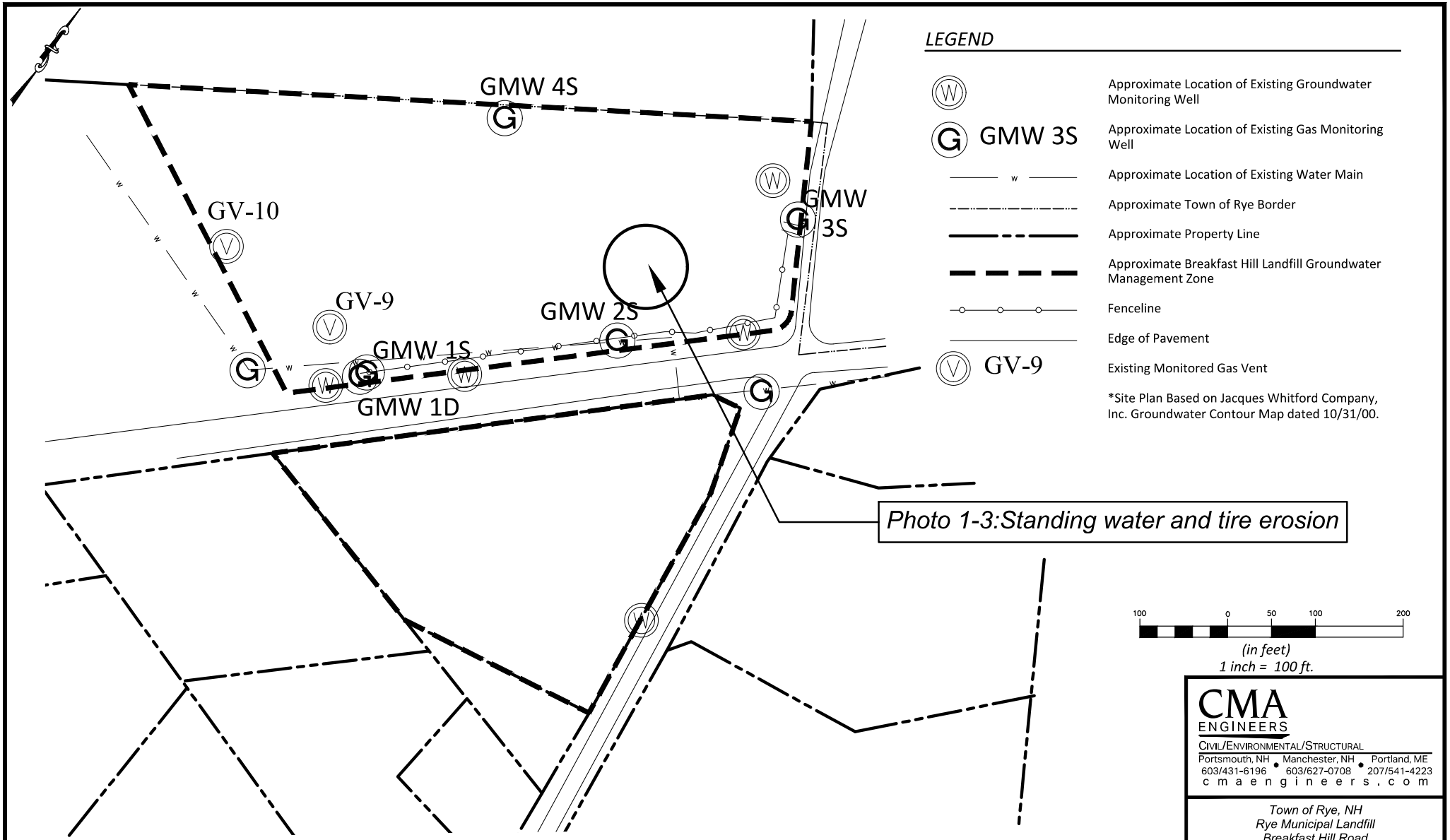
Standing water was found in a low spot on the landfill. There was also evidence of erosion and tire tracks in the standing water.

See attached the attached plan and photos.

Photo 1: Low spot with standing water

Photo 2: Low spot with standing water

Photo 3: Tire tracks in the standing water in the low spot



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Town of Rye, NH
Rye Municipal Landfill
Breakfast Hill Road
Groundwater Permit Renewal Application

November 2023 Inspection

Scale: 1" = 100'

F:\CADD\PROJECTS\527\dwg\Break-hill\dwg\Post Closure\BH Site Plan 11 7 2023.dwg Date Plotted: Nov 09, 2023 – 10:18am

Rye Municipal Landfill
Table 1- Gas Well and Passive Gas Vent Testing Summary

Passive Gas Vent	Date	in Hg Barometric Pressure	%LEL	% Methane	% Oxygen	% Carbon Dioxide
GMW-1S						
	02/15/13	29.7	<2	<0.1	17	4.9
	05/01/13	30.3	<2	<0.1	14	4.4
	11/26/13	30.1	<2	<0.1	15	7.5
	04/30/14	30.2	<2	<0.1	15	5
	11/24/14	29.3	<2	<0.1	11	9.5
	05/01/15	29.8	<2	<0.1	14	4.7
	11/02/15	29.8	<2	<0.1	1.3	17
	04/29/16	30.0	<2	<0.1	16	5.30
	11/30/16	29.8	<2	<0.1	14	7.5
	05/24/17	29.7	<2	<0.1	5.9	11
	11/20/17	29.7	<2	<0.1	11	9.6
	05/01/18	29.8	<2	<0.1	16	3.2
	11/21/18	26.9	<2	<0.1	9.7	10
	04/02/19	30.2	<2	<0.1	4.1	15
	11/08/19	29.79	<2	<0.1	3.0	17
	04/30/20	30.1	<2	<0.1	4.2	15
	11/04/20	30.3	<2	<0.1	12.0	8.6
	04/09/21	30.0	<2	<0.1	16	4.0
	11/29/21	29.6	<2	<0.1	14	8.4
	04/19/22	29.4	<2	<0.1	17	3.4
	11/18/22	29.8	<2	<0.1	12	8.7
	04/03/23	29.9	<2	<0.1	16	4.7
	12/01/23	29.9	<2	<0.1	12	8.5
GMW-1D						
	02/15/13	29.7	<2	<0.1	0.9	18
	05/01/13	30.3	<2	<0.1	2.1	16
	11/26/13	30.1	<2	<0.1	0.9	18
	04/30/14	30.2	<2	<0.1	2.3	17
	11/24/14	29.4	<2	<0.1	1.3	18
	05/01/15	29.8	<2	<0.1	2.5	15
	11/02/15	29.8	<2	<0.1	11	9.0
	04/29/16	30.0	<2	<0.1	3	16.0
	11/30/16	29.8	<2	<0.1	1.8	18
	05/24/17	29.7	<2	<0.1	3.0	15
	11/20/17	29.7	<2	<0.1	2.2	18
	05/01/18	29.8	<2	<0.1	3.2	15.0
	11/21/18	26.9	<2	<0.1	2.9	17
	04/02/19	<2*	<2	<0.1	17	4.4
	11/08/19	29.79	<2	<0.1	11	9.2
	04/30/20	30.1	<2	<0.1	5.1	16
	11/04/20	30.3	<2	<0.1	3.0	16
	04/09/21	30.0	<2	<0.1	4.3	15
	11/29/21	29.6	<2	<0.1	1.8	17
	04/19/22	29.4	<2	<0.1	4.6	15
	11/18/22	29.8	<2	<0.1	16	2.9
	04/03/23	29.9	<2	<0.1	3.9	15
	12/01/23	29.9	<2	<0.1	2.1	16

Rye Municipal Landfill
Table 1- Gas Well and Passive Gas Vent Testing Summary

Passive Gas Vent	Date	in Hg Barometric Pressure	%LEL	% Methane	% Oxygen	% Carbon Dioxide
GMW-2S						
	02/15/13	29.7	<2	<0.1	8.4	9.5
	05/01/13	30.3	<2	<0.1	7.6	8.5
	11/26/13	30.1	10	0.5	4.4	16
	04/30/14	30.2	<2	<0.1	8.8	8.4
	11/24/14	29.3	<2	3.2	<0.1	18
	05/01/15	29.8	<2	<0.1	6.7	8.7
	11/02/15	29.8	30	1.5	1.1	16
	04/29/16	30.0	<2	<0.1	9.2	8.8
	11/30/16	29.8	4	0.2	5.5	14
	05/24/17	29.7	<2	<0.1	5.0	9
	11/20/17	29.7	20	1.0	1.0	17
	05/01/18	29.8	<2	<0.1	8.0	8.1
	11/21/18	26.9	**66**	**3.3**	<0.1	18
	04/02/19	<2*	<2	<0.1	9.0	8.5
	11/08/19	29.79	**26**	**1.2**	1.3	16
	04/30/20	30.1	<2	<0.1	8.3	8.5
	11/04/20	30.3	**20**	**1.0**	0.5	16
	04/09/21	30.0	<2	<0.1	9.4	7.7
	11/29/21	29.6	**58**	**2.9**	<0.1	17
	04/19/22	29.4	<2	<0.1	11	7.6
	11/18/22	29.8	**30**	**1.5**	12	6.4
	04/03/23	29.9	<2	<0.1	7.6	8.8
	12/01/23	29.9	**30**	**1.5**	0.6	16
GMW-3S						
	02/15/13	29.7	<2	<0.1	18	2.7
	05/01/13	30.4	<2	<0.1	18	2.7
	11/26/13	30.1	<2	<0.1	16	5.5
	04/30/14	30.2	<2	<0.1	18	2.7
	11/24/14	29.3	<2	<0.1	10	9.7
	05/01/15	29.8	<2	<0.1	17	3
	11/02/15	29.9	<2	<0.1	9.3	10
	04/29/16	30.0	<2	<0.1	18	2.9
	11/30/16	29.8	<2	<0.1	12	9.1
	05/24/17	29.7	<2	<0.1	4.7	4.4
	11/20/17	29.7	<2	<0.1	11	8.5
	05/01/18	29.8	<2	<0.1	18	2.6
	11/21/18	26.9	<2	<0.1	14	6.0
	04/02/19	<2*	<2	<0.1	18	2.6
	11/08/19	29.79	<2	<0.1	7.5	11
	04/30/20	30.1	<2	<0.1	17	2.8
	11/04/20	30.3	<2	<0.1	8.7	9.8
	04/09/21	30.0	<2	<0.1	13	3.4
	11/29/21	29.6	<2	<0.1	7.6	9.0
	04/19/22	29.4	<2	<0.1	13	3.8
	11/18/22	29.8	<2	<0.1	7.3	12
	04/03/23	29.9	<2	<0.1	18	2.6
	12/01/23	29.9	<2	<0.1	13	7.1

Rye Municipal Landfill
Table 1- Gas Well and Passive Gas Vent Testing Summary

Passive Gas Vent	Date	in Hg Barometric Pressure	%LEL	% Methane	% Oxygen	% Carbon Dioxide
GMW-4S						
	02/15/13	29.7	<2	<0.1	2	15.0
	05/01/13	30.3	<2	<0.1	1	12.0
	11/26/13	30.1	<2	<0.1	12	8.7
	04/30/14	30.2	<2	<0.1	8	11
	11/24/14	29.3	<2	<0.1	3.3	12
	05/01/15	29.8	<2	<0.1	10	10
	11/02/15	29.9	<2	<0.1	5.4	10
	04/29/16	30.0	<2	<0.1	7.3	10.0
	11/30/16	29.8	<2	<0.1	3.6	12
	05/24/17	29.7	<2	<0.1	6.6	9.1
	11/20/17	29.7	<2	<0.1	8.0	11
	05/01/18	29.8	<2	<0.1	5.2	11
	11/21/18	26.9	<2	<0.1	3.0	13
	04/02/19	<2*	<2	<0.1	13	8.8
	11/08/19	29.79	<2	<0.1	5.9	10
	04/30/20	30.1	<2	<0.1	12	8.0
	11/04/20	30.3	<2	<0.1	13.0	8.2
	04/09/21	30.0	<2	<0.1	8.9	9.0
	11/29/21	29.6	<2	<0.1	11	9.6
	04/19/22	29.4	<2	<0.1	5.1	9.5
	11/18/22	29.8	<2	<0.1	10	8.4
	04/03/23	29.9	<2	<0.1	13	8.0
	12/01/23	29.9	<2	<0.1	11	8.2
GMW-5						
	02/15/13	29.7	<2	<0.1	17	4.1
	05/01/13	30.3	<2	<0.1	20	<0.1
	11/26/13	30.1	<2	<0.1	16	4.2
	04/30/14	30.2	<2	<0.1	20	1.3
	11/24/14	29.3	<2	<0.1	17	3.5
	05/01/15	29.8	<2	<0.1	19	1.5
	11/02/15	29.8	<2	<0.1	18	2.6
	04/29/16	30.0	<2	<0.1	20	1.8
	11/30/16	29.8	<2	<0.1	17	3.3
	05/24/17	29.7	<2	<0.1	18	2.2
	11/20/17	29.7	<2	<0.1	17	4.0
	05/01/18	29.8	<2	<0.1	19	1.9
	11/21/18	26.9	<2	<0.1	19	1.3
	04/02/19	<2*	<2	<0.1	18	2.7
	11/08/19	29.79	<2	<0.1	16	3.8
	04/30/20	30.1	<2	<0.1	19	2.5
	11/04/20	30.3	<2	<0.1	17.0	3.7
	04/09/21	30.0	<2	<0.1	18	2.4
	11/29/21	29.6	<2	<0.1	16	4.4
	04/19/22	29.4	<2	<0.1	19.0	2.3
	11/18/22	29.8	<2	<0.1	17	3.5
	04/03/23	29.9	<2	<0.1	18	2.9
	12/01/23	29.9	<2	<0.1	17	3.2

Rye Municipal Landfill
Table 1- Gas Well and Passive Gas Vent Testing Summary

Passive Gas Vent	Date	in Hg Barometric Pressure	%LEL	% Methane	% Oxygen	% Carbon Dioxide
GMW-6						
	02/15/13	Not Able to be Sampled - Tubing Frozen				
	05/01/13	30.3	<2	<0.1	18	2.2
	11/26/13	30.1	<2	<0.1	16	4.0
	04/30/14	30.2	<2	<0.1	19	2.6
	11/24/14	29.4	<2	<0.1	16	3.5
	05/01/15	29.9	<2	<0.1	19	2.3
	11/02/15	29.9	<2	<0.1	17	3.0
	04/29/16	30.0	<2	<0.1	20	2.1
	11/30/16	29.8	<2	<0.1	16	3.3
	05/24/17	29.7	<2	<0.1	17	3.0
	11/20/17	29.7	<2	<0.1	15	3.8
	05/01/18	29.8	<2	<0.1	29	2.2
	11/21/18	26.9	<2	<0.1	13	4.1
	04/02/19	<2*	<2	<0.1	19	2.8
	11/08/19	29.79	<2	<0.1	15	3.5
	04/30/20	30.1	<2	<0.1	19	2.7
	11/04/20	30.3	<2	<0.1	16.0	3.1
	04/09/21	30.0	<2	<0.1	20	2.1
	11/29/21	29.6	<2	<0.1	16	3.5
	04/19/22	Unable to be sampled. Pulled water.				
	11/18/22	29.8	<2	<0.1	17	2.6
	04/03/23	29.9	<2	<0.1	20	1.4
	12/01/23	29.9	<2	<0.1	17	2.9
GV-9						
	02/15/13	29.7	<2	<0.1	13	8.3
	05/01/13	30.3	<2	<0.1	15	3.9
	11/26/13	30.1	<2	<0.1	20	<0.1
	04/30/14	30.2	<2	<0.1	21	<0.1
	11/24/14	29.3	<2	<0.1	21	<0.1
	05/01/15	29.8	<2	<0.1	21	0.2
	11/02/15	29.8	<2	<0.1	21	0.1
	04/29/16	30	<2	<0.1	20	<0.1
	11/30/16	29.8	<2	<0.1	21	0.2
	05/24/17	29.7	<2	<0.1	19	0.7
	11/20/17	29.7	<2	<0.1	14	11
	05/01/18	29.8	<2	<0.1	18	3.3
	11/21/18	26.9	<2	<0.1	11	12
	04/02/19	<2*	<2	<0.1	15	5.9
	11/08/19	29.79	<2	<0.1	19	3.6
	04/30/20	30.1	<2	<0.1	19	3.5
	11/04/20	30.3	<2	<0.1	17.0	5.4
	04/09/21	30.0	<2	<0.1	21	<0.1
	11/29/21	29.6	<2	<0.1	20	2.4
	04/19/22	29.4	<2	<0.1	14	7.1
	11/18/22	29.8	<2	<0.1	21	7.2
	04/03/23	29.9	<2	<0.1	14	6.1
	12/01/23	29.9	<2	<0.1	21	0.1

Rye Municipal Landfill
Table 1- Gas Well and Passive Gas Vent Testing Summary

Passive Gas Vent	Date	in Hg Barometric Pressure	%LEL	% Methane	% Oxygen	% Carbon Dioxide
GV-10						
	02/15/13	29.7	<2	<0.1	14	2.9
	05/01/13	30.3	<2	<0.1	12	2.9
	11/26/13	30.1	<2	<0.1	20	<0.1
	04/30/14	30.2	<2	<0.1	20	0.3
	11/24/14	29.3	<2	<0.1	21	<0.1
	05/01/15	29.8	<2	<0.1	21	<0.1
	11/02/15	29.8	<2	<0.1	21	<0.1
	04/29/16	30	<2	<0.1	22	<0.1
	11/30/16	29.8	<2	<0.1	21	<0.1
	05/24/17	29.7	<2	<0.1	20	<0.1
	11/20/17	29.7	<2	<0.1	21	<0.1
	05/01/18	29.8	<2	<0.1	21	<0.1
	11/21/18	26.9	<2	<0.1	21	<0.1
	04/02/19	<2*	<2	<0.1	21	0.1
	11/08/19	29.79	<2	<0.1	21	<0.1
	04/30/20	30.1	<2	<0.1	21	<0.1
	11/04/20	30.3	<2	<0.1	21.0	<0.1
	04/09/21	30.0	<2	<0.1	21	<0.1
	11/29/21	29.6	<2	<0.1	22	<0.1
	04/19/22	29.4	<2	<0.1	21.0	<0.1
	11/18/22	29.8	<2	<0.1	21	0.1
	04/03/23	29.4	<2	<0.1	21	<0.1
	12/01/23	29.9	<2	<0.1	21	<0.1

* reported by lab as <2, but was assumed to be 30.2