999 Fourier Dr., Ste. 101
Madison, WI 53717

T 608.826.3600
TRCcompanies.com

September 21, 2023

Ms. Cindy Koepke
Hydrogeologist
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Refuse Hideaway Landfill
August 2023 Operation Monitoring and Maintenance Activities

Dear Cindy:

TRC completed the following operation, monitoring, and maintenance activities at the Refuse Hideaway Landfill (the Site) in Middleton, WI in August 2023.

- August 8, 2023 – Gas Probe Monitoring and Bi-weekly Site Inspection
- August 22, 2023 – Monthly Site and Cap Inspections
- August 23, 2023 – Air Compressor Oil Change
- August 30, 2023 – Van Ert Electrical Upgrades

Electrical Upgrades

TRC and Van Ert Electrical Company Inc. (Van Ert) are working to restore electrical service to the Site to allow for system operation. Van Ert was onsite on August 30, 2023, to replace existing transformer and install a surge protector to the system. After replacing the transformer, Van Ert recorded voltage alternating current (VAC) readings for the service coming in from Madison Gas and Electric (MG&E) (input to transformer) and VAC readings for the output from the transformer. Further details are included in Attachment 1.

The motor starter contactor for the air compressor system was also replaced on August 30, and Van Ert is awaiting an overload contactor for the system. Following the installation of the overload contactor, the leachate extraction system will be restarted.

Gas Extraction System

The gas extraction system (GES) was restarted in October 2022 and was operated until December 15, 2022, when an overvoltage fault was observed and the system was shut down until the electrical service to the Site is repaired. The electrical service was restored on August 30, 2023, and the system will be restarted in September 2023.

Perimeter gas probe monitoring was conducted at the site on August 8, 2023.

Field data from system and gas probe monitoring is included in Attachment 2.

Leachate Extraction System

The leachate extraction system remained off during the month of August due to the issues with the electrical service to the Site. The oil in the air compressor was changed on August 23, 2023, in preparation of a system start up following electrical repairs.

The leachate tank level was gauged on August 8 and August 22, 2023, and contained 50.0 inches and 56.75 inches of leachate, respectively.

Cap Inspection

TRC conducted a monthly inspection of the landfill cap and stormwater conveyance features on August 22, 2023. The landfill cap and stormwater conveyance features are operational. TRC will continue to observe the condition of the features as the growing season continues. An inspection form with further details is provided in Attachment 2 and a photographic log is provided in Attachment 3.

If you have any questions, please contact Andrew Stehn at astehn@trccompanies.com or 608-807-8112.

Sincerely,

TRC

Molly Wagler

Molly Wagler, EIT
Project Engineer

Andrew M. Stehn

Andrew Stehn, PE
Project Manager

Attachments:
1. Van Ert Electrical Transformer Startup Measurements
2. August 2023 Monitoring Results
3. Photographic Log

Attachment 1

Van Ert Electrical Transformer Startup Measurements

Stehn, Andrew

From: Stehn, Andrew
Sent: Wednesday, September 6, 2023 2:45 PM
To: Stehn, Andrew
Subject: FW: [External] refuse site transformer readings

Andy contacted Tory on 9/5/2023 to further discuss the below voltage reading for A (H1) TO GROUND 43V. Tory recalled from his previous notes when we initially started the project that he believes the voltage is 43V because the MG&E service is an ungrounded delta.

From: Tory Weidemann <tweidemann@vanert.com>
Sent: Tuesday, September 5, 2023 3:13 PM
To: Stehn, Andrew <astehn@trccompanies.com>
Subject: RE: [External] refuse site transformer readings

Confirm it as in I saw it or did I take pictures?

I believe that this is the same reading that we got the last time with the transforemer that we just took out

Tory Weidemann
Foreman
Van Ert Electric Company, Inc.

Cell: 608.444.5556
Email: tweidemann@vanert.com | Website: vanert.com

From: Stehn, Andrew <astehn@trccompanies.com>
Sent: Tuesday, September 5, 2023 3:05 PM
To: Tory Weidemann <tweidemann@vanert.com>
Subject: RE: [External] refuse site transformer readings

Thanks Tory for sending this over. Can you confirm the reading A(H1) to Ground? Just a heads up we are planning to start the gas system blower up tomorrow but we are waiting to try the compressor until we have the overload contactor installed. Keep me posted on when you receive that part so we can plan to head out and get that part of the system going as well.

Thanks for all the help with this and I will let you know if we have any issues tomorrow.
Andy

From: Tory Weidemann <tweidemann@vanert.com>
Sent: Tuesday, September 5, 2023 2:37 PM
To: Stehn, Andrew <astehn@trccompanies.com>
Subject: [EXTERNAL] refuse site transformer readings

Andrew, here is what we got for readings on the transformer after installation of your recommended transformer

INCOMING POWER FROM MGE

A-B (X1—X2) 244V
B-C (X2-X3) 244V
C-A (X3- X10 243V

A (X1) TO GROUND 120V
B (X2) TO GROUND 213V
C (X3) TO GROUND 120V

OUTGOING TO SHED

A-B (H1-H2) 488V
B-C (H2-H3) 483V
C-A (H3-H1) 485V

A (H1) TO GROUND 43V
B (H2) TO GROUND 454V
C (H3) TO GROUND 446V

Thank you

Van Ert ELECTRIC COMPANY, INC.

Tory Weidemann
Foreman
Van Ert Electric Company, Inc.
Making a Difference through Performance

Cell: 608.444.5556
Email: tweidemann@vanert.com | **Website:** www.vanert.com

Attachment 2

August 2023 Monitoring Results

REFUSE HIDEAWAY LANDFILL
GAS PROBE MONITORING FORM

TECHNICIAN(S): J. Roelke

DATE: 8/8/2023

START TIME: 7:18 AM

END TIME: 12:40 PM

GAS/INSTRUMENT TYPE: **GEM 2000**

SERIAL NO.: 11668

DATE LAST CALIBRATED: 8/8/2023

METHOD: Standard Calibration Gases

PRESS INSTRUMENT : Manometer

WEATHER CONDITIONS: cloudy

TEMPERATURE: 64 °F

BAROMETRIC PRESSURE & TREND: 29.92 in. Hg., rising

GROUND CONDITIONS: dry

GAS PROBE NAME	Time	PRESSURE (in. WC)	METHANE (% LEL)	METHANE (%, by vol.)	CARBON DIOXIDE (%, by vol.)	OXYGEN (%, by vol.)	COMMENTS
GP-1D	7:44	0.0	40	2.0	14.3	1.9	(2) Stable readings at 2 minutes.
GP-1S	7:47	0.0	>100	9.3	19.3	0.0	(2)
GP-2D	7:51	0.14	66	3.3	12.1	5.4	(1)
GP-2S	7:53	0.0	90	4.5	16.6	0.0	(1)
GP-3	7:56	0.0	>100	57.1	38.3	0.0	(1) Stable readings at 2 minutes.
GP-4	8:03	0.0	0.0	0.0	8.5	11.8	(1)
GP-5	8:05	0.0	0.0	0.0	6.5	12.9	(2)
GP-6	8:12	0.0	0.0	0.0	3.9	17.7	(1)
GP-7	8:20	0.0	0.0	0.0	4.1	16.3	(2)
GP-8	8:28	0.0	0.0	0.0	6.7	15.0	(2)
GP-9	8:33	0.0	0.0	0.0	5.2	16.1	(1)
GP-10	8:37	0.0	0.0	0.0	8.9	10.0	(1)
GP-11D	8:44	0.0	>100	5	16	0.0	(2)
GP-11S	8:46	0.0	62	3.1	15.8	0.0	(2)
GP-12D	8:52	0.0	>100	8.9	17.3	3.1	(1) Stable readings at 2 minutes.
GP-12S	8:55	0.0	0.0	0	4.4	16.4	(1)
GP-13D	9:01	0.0	20	1.0	8.3	10.5	(2)
GP-13S	9:03	0.0	0.0	0.0	6.4	13.9	(2)

GAS PROBE NAME	Time	PRESSURE (in. WC)	METHANE (% LEL)	METHANE (%, by vol.)	CARBON DIOXIDE (%, by vol.)	OXYGEN (%, by vol.)	COMMENTS
GP-16D	9:24	0.0	0.0	0.0	1.3	19.0	(2)
GP-16S	9:26	0.0	0.0	0.0	3.3	17.7	(2)
GP-17D	9:18	0.0	0.0	0.0	4.1	16.1	(1)
GP-17M	9:20	0.0	0.0	0.0	3.5	17.3	(1)
GP-17S	9:22	0.0	0.0	0.0	3.7	17.6	(1)
GP-18D	9:30	-0.05	0.0	0.0	3.9	15.4	(2)
GP-18M	9:32	0.0	0.0	0.0	3.5	16.6	(2)
GP-18S	9:34	0.0	0.0	0.0	5.9	14.6	(2)
GP-19$^{85-100}$	10:17	-0.02	0.0	0.0	0.0	20.8	(1)
GP-19$^{50-70}$	10:19	-0.03	0.0	0.0	0.8	20.1	(1)
GP-19$^{25-40}$	10:21	0.0	0.0	0.0	0.3	20.6	(1)
GP19$^{2-15}$	10:23	0.0	0.0	0.0	0.0	20.8	(1)
GP-20$^{85-100}$	10:08	-0.03	0.0	0.0	0.0	20.8	(2)
GP-20$^{50-70}$	10:10	0.0	0.0	0.0	0.0	20.8	(2)
GP-20$^{25-40}$	10:12	0.0	0.0	0.0	0.2	20.7	(2)
GP-20$^{2-15}$	10:14	0.0	0.0	0.0	0.5	20.5	(2)
GP-21$^{85-100}$	10:00	-0.08	0.0	0.0	0.3	20.4	(2)
GP-21$^{50-70}$	10:02	0.0	0.0	0.0	0.0	20.8	(2)
GP-21$^{25-40}$	10:04	0.0	0.0	0.0	0.0	20.8	(2)
GP-21$^{2-15}$	10:06	0.0	0.0	0.0	0.6	20.5	(2)
GP-22$^{85-100}$	10:28	-0.06	0.0	0.0	0.0	20.8	(2)
GP-22$^{50-70}$	10:30	-0.07	0.0	0.0	0.6	20.4	(2)
GP-22$^{25-40}$	10:32	0.0	0.0	0.0	0.7	20.2	(2)
GP-22$^{2-15}$	10:34	0.0	0.0	0.0	2.6	18.8	(2)

GAS PROBE NAME	Time	PRESSURE (in. WC)	METHANE (% LEL)	METHANE (%, by vol.)	CARBON DIOXIDE (%, by vol.)	OXYGEN (%, by vol.)	COMMENTS
GP-23$^{85\text{-}100}$	10:39	0.0	0.0	0.0	0.4	20.5	(2)
GP-23$^{50\text{-}70}$	10:41	0.0	0.0	0.0	0.0	20.8	(2)
GP-23$^{25\text{-}40}$	10:43	0.0	0.0	0.0	0.0	20.8	(2)
GP-23$^{2\text{-}15}$	10:45	0.0	0.0	0.0	0.8	20.3	(2)
GP-24$^{85\text{-}100}$	10:50	-0.04	0.0	0.0	0.0	20.8	(2)
GP-24$^{50\text{-}70}$	10:52	-0.04	0.0	0.0	2.2	18.8	(2)
GP-24$^{25\text{-}40}$	10:54	0.0	0.0	0.0	0.8	20.1	(2)
GP-24$^{2\text{-}15}$	10:56	0.0	0.0	0.0	1.8	19.5	(2)
GPW-1D	12:30	0.0	0.0	0.0	2.0	18.5	(1)
GPW-1M	12:32	0.0	0.0	0.0	0.0	20.8	(1)
GPW-1S	12:34	0.0	0.0	0.0	1.4	19.5	(1)
G-1D	7:37	0.0	78	3.9	17.4	0.0	(1)
G-1S	7:39	0.0	>100	16.8	22.3	0.0	(1)
G-2D	9:08	0.0	0.0	0.0	1.8	18.7	(1)
G-2S	9:10	0.0	>100	7.3	18.1	0.0	(1) Stable readings at 2 minutes.
G-5	8:25	0.0	0.0	0.0	7.4	14.2	(1)
G-6	7:30	0.0	0.0	0.0	0.8	20.1	(1)
G-8	9:54	0.0	0.0	0.0	0.9	19.9	(1)
G-9	9:42	0.0	0.0	0.0	0.0	20.8	(1)
G-10	11:05	-0.38	0.0	0.0	0.1	20.7	(1)
Speedway Office	7:42	0.0	0.0	0.0	0.0	20.8	Open to ATM

NOTES:

(1); Locked probe casing.
(2): Probe is above casing and cannot be locked.
(3): No cap for probe casing and cannot be locked.

Key:

Shallow or 2'-15'
Medium or 25'-40'
Deep or 50'-70'
85'-100'

Entered by: J. Roelke 8/1/2023
Checked by: M. Wagler 8/15/2023

Bi-weekly - System Inspection Log
Landfill Gas Extraction and Leachate Pump System
WDNR - Refuse Hideaway Landfill
Middleton, Wisconsin

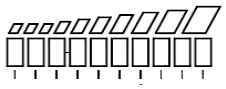
TRC Operator Name:	John Roelke		
Date:	8/8/2023	Arrival Time: 11:15 AM	Departure Time: 11:30 AM

Site Conditions		Equipment	
Weather Conditions:	cloudy	Gas/Instrument Type:	Not Applicable
Ground Condition:	dry	Serial Number:	
Barometric Pressure:	29.93 in Hg	Date Last Calibrated:	
Barometric Pressure Trend:	steady	Method:	
Temperature:	78 F	Pressure Instrument:	

Landfill Gas Extraction System[1] **Landfill Gas System Off Line**

System	*Location*	*Tag #*	*Equipment Description*	*Set Point*	*Typical Range*	*Field Reading*
Blower Motor	Remote	GHS-BLR-301	Amperage	-	3 - 4 amps	NM
			Speed	-	1800 - 1900 rpm	NM
			Frequency	-	30 - 35 Hz	NM
	HMI		Amperage	-	3 -4 amps	NM
	HMI		Speed	-		NM
	HMI		Hours	-	-	NM
Blower Operating (yes/no). Note excessive noise or issues observed.						
Blower Inlet	HMI	PT-301	Blower Inlet Vacuum	7 in. w.c.	7 in. w.c.	NM
	HMI	TE-301	Blower Inlet Temperature	-	50 - 90 °F	NM
	Local	GHS-PI-301	Blower Inlet Vacuum	7 in. w.c.	7 in. w.c.	NM
	Local	GHS-TI-301	Blower Inlet Temperature	-	50 - 90 °F	NM
	Local	Sample Port	Gas Composition - % Methane	-		NM
			Gas Composition - % CO2	-		NM
			Gas Composition - % Oxygen	-		NM
			Gas Composition - % Balance	-		NM
Demister	Local	GHS-PDI-301	Demister Differential Pressure	-	1-2 in w.c	NM
	Local		Slight Glass: Liquid Present	-	-	NM
	HMI	LS-701	Level Indication	-	-	NM
Blower Outlet	HMI	PT-302	Blower Outlet Flow Pressure	-	-	NM
	HMI	TE-302	Blower Outlet Temperature	-	50 - 90 °F	NM
	HMI	PDT-301	Blower Outlet Flow Differential Pressure	-	1-2 in w.c	NM
	HMI	-	Blower Outlet Flow Rate	-	180 - 190 scfm	NM
	Local	GHS-PI-302	Blower Outlet Flow Pressure	-	-	NM
	Local	GHS-TI-302	Blower Outlet Temperature	-	50 - 90 °F	NM
	Local	Sample Port	Gas Composition - % Methane	-		NM
			Gas Composition - % CO2	-		NM
			Gas Composition - % Oxygen	-		NM
			Gas Composition - % Balance	-		NM
Branch Headers	Local	North	North Branch Vacuum	-	6 - 7 in w.c.	NM
	Local	North	Valve Position	6 turns open /6	6 turns open	NM
	Local	North Sample Port	Gas Composition - % Methane	-		NM
			Gas Composition - % CO2	-		NM
			Gas Composition - % Oxygen	-		NM
			Gas Composition - % Balance	-		NM
	Local	Central	Central Branch Vacuum	-	6 - 7 in w.c.	NM
	Local	Central	Valve Position	-	6 turns open	NM
	Local	Central Sample Port	Gas Composition - % Methane	-		NM
			Gas Composition - % CO2	-		NM
			Gas Composition - % Oxygen	-		NM
			Gas Composition - % Balance	-		NM
	Local	South	South Branch Vacuum	-	6 - 7 in w.c.	NM
	Local	South	Valve Position	-	6 turns open	NM
	Local	South Sample Port	Gas Composition - % Methane	-		NM
			Gas Composition - % CO2	-		NM
			Gas Composition - % Oxygen	-		NM
			Gas Composition - % Balance	-		NM

Air Compressor System[1,3,4] Air Compressor System Off Line								
Operational Settings	Pressure Set Points					Condensate Set Points		
	Tank Low (psi)	Tank High (psi)	Well Field (psi)	On (min.)	Off (min.)	Open (sec.)	Closed (min.)	Test Operation

Air Dryer System[2]		Electrical Status		HMI Heater/Air Conditioner	
System Operational:	NO Comment 1	3-Phase Power Indicator:	__3__ of 3	Operational	YES Comment 2
Condensate Drain Operational:	YES	GFI 1 Status:	(**Green** / Red)	Temperature	90 F
Alarm Indictor:	OFF	GFI 2 Status:	(**Green** / Red)	Filter Cleaned	NO
Condenser Cleaned[2]:	NO	**Leachate Tank/Loadout**			
Dew Point Indicator:		Liquid Level (inches):	50	Visual Check:	
	Indicate which bars are green(G) or red (R) and note (F) if flashing.	***Contact WDNR if level is above***	**71**	· Evidence of Tank Overflow:	NO
		Leak Detection Test Completed:	NO	· Inspect concrete pad and storm sewer for damage or backup - None observed	
		Overfill Float Functional[5]:	NO Comment 3		
		Exhaust Stack			
		Drain Stack Sump (vol. removed)	0	Stack Condition[4]: GOOD	

1. Check all air lines and gas extraction lines for leaks during each site visit. Drain inline air filters and replace as needed.

2. Air Dryer - Clean the condenser monthly using an air jet (max. 2 bar / 30 psig) inside out. Make sure not to damage the aluminum lamellae of the cooling package.

3. On a quarterly basis change the oil and check/clean the air filters and intercoolers for the air compressor.

4. Inspect mounting brackets and bolts for the air compressor and effluent stack for tightness.

5. Test overfill float operation on a monthly basis.

Comments/Notes:

NM - Not Measured

1. Air Dryer System currently off as air compressor system is not running due to electrical service issue.
2. Air conditioner observed to turn on and operational during Site visit.
3. The light bulb for the high level indicator for the leachate tank was not functional.

Data Entered By: J. Roelke 08/08/2023

Checked By: M. Wagler 8/17/2023

Monthly System Inspection Log
Landfill Gas Extraction and Leachate Pump System
WDNR - Refuse Hideaway Landfill
Middleton, Wisconsin

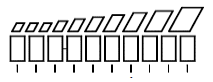
TRC Operator Name: Molly Wagler
Date: 8/ 22 /2023 **Arrival Time: 7:24 AM** **Departure Time: 8:30 AM**

Site Conditions	Initial[1]	Final[2]	Equipment	
Weather Conditions:	Sunny	NM	Gas/Instrument Type:	GEMS 2000
Ground Condition:	Dry	NM	Serial Number:	11668
Barometric Pressure (in. Hg):	30.2	NM	Date Last Calibrated:	NM
Barometric Pressure Trend:	Decreasing	NM	Method:	Standard field calibration
Temperature (°F):	65	NM	Pressure Instrument:	Dwyer Series 475 Manometer

Landfill Gas Extraction System[3] **Landfill Gas Extraction System Off Line**

System	*Location*	*Tag #*	*Equipment Description*	*Set Point*	*Typical Range*	*Initial Field Reading [1]*	*Final Field Reading [2]*
Blower Motor	Remote	GHS-BLR-301	Amperage	-	3 - 4 amps	NM	--
			Speed	-	1800 - 1900 rpm	NM	--
			Frequency	-	30 - 35 Hz	NM	--
	HMI		Amperage	-	3 -4 amps	NM	--
	HMI		Speed	-		NM	--
	HMI		Hours	-	-	NM	--
Blower Operating (YES). Note excessive noise or issues observed.							
Blower Inlet	HMI	PT-301	Blower Inlet Vacuum	7 in. w.c.	7 in. w.c.	NM	NM
	HMI	TE-301	Blower Inlet Temperature	-	50 - 90 °F	NM	NM
	Local	GHS-PI-301	Blower Inlet Vacuum	7 in. w.c.	7 in. w.c.	NM	NM
	Local	GHS-TI-301	Blower Inlet Temperature	-	50 - 90 °F	NM	NM
	Local	Sample Port	Gas Composition - % Methane	-		NM	NM
			Gas Composition - % CO2	-		NM	NM
			Gas Composition - % Oxygen	-		NM	NM
			Gas Composition - % Balance	-		NM	NM
Demister	Local	GHS-PDI-301	Demister Differential Pressure	-	1-2 in w.c	NM	--
	Local		Slight Glass: Liquid Present	-	-		--
	HMI	LS-701	Level Indication	-	-		--
Blower Outlet	HMI	PT-302	Blower Outlet Flow Pressure	-	-	NM	NM
	HMI	TE-302	Blower Outlet Temperature	-	50 - 90 °F	NM	NM
	HMI	PDT-301	Blower Outlet Flow Differential Pressure	-	1-2 in w.c	NM	NM
	HMI	-	Blower Outlet Flow Rate	-	180 - 190 scfm	NM	NM
	Local	GHS-PI-302	Blower Outlet Flow Pressure	-	-	NM	NM
	Local	GHS-TI-302	Blower Outlet Temperature	-	50 - 90 °F	NM	NM
	Local	Sample Port	Gas Composition - % Methane	-		NM	NM
			Gas Composition - % CO2	-		NM	NM
			Gas Composition - % Oxygen	-		NM	NM
			Gas Composition - % Balance	-		NM	NM
Branch Headers	Local	North	North Branch Vacuum	-	6 - 7 in w.c.	NM	NM
	Local	North	Valve Position	6 turns open /6	6 turns open	NM	NM
	Local	North Sample Port	Gas Composition - % Methane	-		NM	NM
			Gas Composition - % CO2	-		NM	NM
			Gas Composition - % Oxygen	-		NM	NM
			Gas Composition - % Balance	-		NM	NM
	Local	Central	Central Branch Vacuum	-	6 - 7 in w.c.	NM	NM
	Local	Central	Valve Position	-	6 turns open	NM	NM
	Local	Central Sample Port	Gas Composition - % Methane	-		NM	NM
			Gas Composition - % CO2	-		NM	NM
			Gas Composition - % Oxygen	-		NM	NM
			Gas Composition - % Balance	-		NM	NM
	Local	South	South Branch Vacuum	-	6 - 7 in w.c.	NM	NM
	Local	South	Valve Position	-	6 turns open	NM	NM
	Local	South Sample Port	Gas Composition - % Methane	-		NM	NM
			Gas Composition - % CO2	-		NM	NM
			Gas Composition - % Oxygen	-		NM	NM
			Gas Composition - % Balance	-		NM	NM

Air Compressor System[3,5,6]								
Operational Settings	Pressure Set Points					Condensate Set Points		
	Tank Low (psi)	Tank High (psi)	Well Field (psi)	On (min.)	Off (min.)	Open (sec.)	Closed (min.)	Test Operation
	NOT OPERATING							(yes/no)

Air Dryer System[4]		Electrical Status		HMI Heater/Air Conditioner	
System Operational:	NA	3-Phase Power Indicator:	3 of 3	Operational	Yes
Condensate Drain Operational:	NA	GFI 1 Status:	GREEN	Temperature	72
Alarm Indictor:	NA	GFI 2 Status:	GREEN	Filter Cleaned	No
Condenser Cleaned[2]:	No	**Leachate Tank/Loadout**			
Dew Point Indicator:		Liquid Level (inches):	56.75	Visual Check: Good	
	Indicate which bars are green(G) or red (R) and note (F) if flashing.	***Contact WDNR if level is above***	71 inches	· Evidence of Tank Overflow:	No
		Leak Detection Test Completed:	NO	· Inspect concrete pad and storm sewer for damage or backup	
		Overfill Float Functional[7]	NO Comment 3		
		Exhaust Stack			
		Drain Stack Sump (vol. removed)		Stack Condition[6]:	

1. Initial site conditions represents readings collected upon arrival to the site and initial field readings are collected prior to the landfill balancing.

2. Final site conditions represents readings collected upon departure from the site and final field readings are collected following the landfill balancing.

3. Check all air lines and gas extraction lines for leaks during each site visit. Drain inline air filters and replace as needed.

4. Air Dryer - Clean the condenser monthly using an air jet (max. 2 bar / 30 psig) inside out. Make sure not to damage the aluminum lamellae of the cooling package.

5. On a quarterly basis change the oil and check/clean the air filters and intercoolers for the air compressor.

6. Inspect mounting brackets and bolts for the air compressor and effluent stack for tightness.

7. Test overfill float operation on a monthly basis.

Comments/Notes:

NM - Not Measured

1. Air Dryer System currently off as air compressor system is not running due to electrical service issue.
2. Air conditioner observed to turn on and operational during Site visit.
3. The light bulb for the high level indicator for the leachate tank was not functional.
4. Cap Inspection Conducted
5. Vegetation is growing from storm sewer at tank overflow area

Data Entered By: M. Wagler 8/22/2023

Checked By: T. Perkins 9/18/2023

Cap Inspection
Note: Photograph all issues encountered during inspection
Note: Keep vehicle traffic to gravel roadways, avoid driving on the landfill surface
Is the landfill surface covered in snow (Y/N)? No
Inspect the landfill surface when not covered in snow. Describe the condition and any issues observed for each category below:
Cap integrity: - Cap integrity is acceptable -Fencing around GW-1 and GW-2 is damaged but still provides well protection from mowing operations (see photo #6). - Snow fencing was installed to protect the airlines for the Gas Extraction Wells during mowing events at GW-2, GW-4, GW-7, GW-8, GW-9, GW-10, GW-11, GW-12, GW-13 (see photo #6).
Condition of drainage ways: West Drainage Ditch - During the May inspection, areas of vegetation die off were observed at the drainage path to the north. This area was previously identified as having less positive slope than its surrounding and was regraded during 2020-2021 grading work at the site. The final post construction survey showed positive slope. Currently, the area showed improvement but will still be monitored moving forward. East Drainage Ditch - Drainage ways are acceptable with minimal to no changes from previous conditions aside from those described below.
Extent of vegetation cover: Vegetation cover is acceptable over the majority of the site. Various areas were reseeded and ground cover was applied in the fall of 2022 and remains in place (see photo #3 and #4).
Significant erosion: No evidence of significant erosion was observed at the site.
Repeated erosion: No evidence of significant erosion was observed at the site.
Vegetation die-off: Areas at the west drainage ditch and east drainage ditch previously showed signs of vegetation die-off and were reseeded in the fall of 2022. Ground cover in these areas remains and TRC will continue to monitor regrowth in 2023. (see photo #1 and # 5).
Maintain surface water conveyances and the sedimentation basin by completing the following:
Inspect drainage ditches for erosion, blockages, and vegetation, describe and note any issues: Evidence of erosion at the eastern drainage ditch above the sediment basin was observed. Vegetation is in place, but ruts are starting to from (See photo #2). TRC will continue to monitor the area.
Inspect sedimentation basin banks and outfalls for erosion, describe and note any issues: No erosion or other issues at sedimentation basin banks or outfalls.
Measure the distance between the invert of the sedimentation basin outlet and the top of the sediments accumulated in the basin **(June Only!)**: NM

Attachment 3

Photographic Log

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Natural Resources (WDNR)	Refuse Hideaway Landfill Middleton, WI	TRC # 457573

Photo No.	Date
1	8/22/2023

Description

Eastern Drainage Ditch:
Significant vegetation is present throughout the drainage ditch. Bare spots are present to the north, above the drainage way and will likely require reseeding.

Photo No.	Date
2	8/22//2023

Description

Eastern Drainage Ditch:
Evidence of erosion starting to occur was observed at the north portion of the eastern drainage ditch leading to the sediment basin. Vegetation is still intact but ruts are starting to form.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Natural Resources (WDNR)	Refuse Hideaway Landfill Middleton, WI	TRC # 457573

Photo No.	Date
3	8/22/2023

Description

Eastern Landfill Extents

Reseeding and ground cover was previously applied in the Fall of 2022. Some bare spots remain and will likely require reseeding.

Photo No.	Date
4	8/22/2023

Description

Eastern Landfill Extents

Reseeding and ground cover was previously applied in the Fall of 2022. Some bare spots remain and will likely require reseeding.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Natural Resources (WDNR)	Refuse Hideaway Landfill Middleton, WI	TRC # 457573

Photo No.	Date
5	8/22/2023

Description

Southern/Eastern Landfill Extents

Reseeding and ground cover was previously applied in the Fall of 2022. Some bare spots remain and will likely require reseeding.

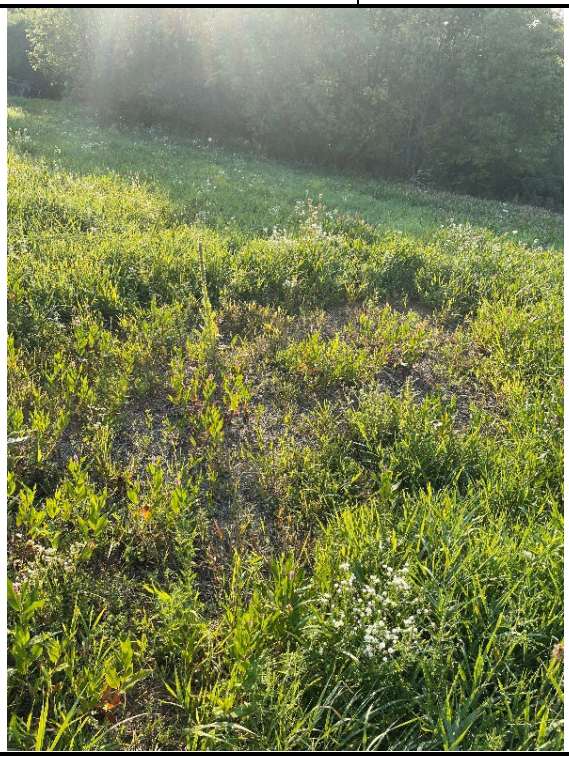


Photo No.	Date
6	8/22/2023

Description

Southern Landfill Extents: GW-2 protective fencing is falling apart. Fencing still provides protection during mowing operations. GW-1 protective fencing is in the same condition as GW-2.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Natural Resources (WDNR)	Refuse Hideaway Landfill Middleton, WI	TRC # 457573

Photo No.	Date
7	8/22/2023

Description

Northern Landfill Extents:
Cap remains in good condition with full vegetation cover.