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Our ref: 11219156-LTR-12

August 24, 2021

Ms. Laura Lyons
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, Minnesota 55155

Operation and Maintenance Report – July 2021
Albert Closed Landfill
Albert Lea, Minnesota

Dear Ms. Lyons:

GHD is pleased to provide this Operation and Maintenance (O&M) Report for site activities conducted in July 2021 at the Albert Lea Closed Landfill in Albert Lea, Minnesota (Site).

1. Flare Station Operational Summary

Routine inspections of the flare system are conducted every other week. Select flare station gas data collected in the reporting period is summarized in Table 1.

Remote monitoring of the system was performed daily (weekdays) throughout the reporting period. Information recorded during remote monitoring includes the operational status, flow rate, oxygen content of the inlet gas, flare temperature, inlet vacuum, louver position, VFD speed, blower inlet vibration, and any alarm or shutdown information. A log of the data recorded during remote monitoring of the Site is presented in Table 2.

2. Unscheduled Flare Station Shutdowns

There were no unscheduled flare shutdowns during the July 2021 reporting period. The flare system was operational for 744 of 744 hours (100-percent) in the reporting period. The quantity of methane collected and combusted at the flare station for the past 12 months is presented on Figure 1.

3. Gas Extraction System Well Field Measurements

Monitoring of the gas extraction wells is completed every other week. Gas extraction well measurements were taken using an Elkins Earthworks Envision instrument. Measurements recorded at each well include gas composition, header pressure, and flow rate. Flow rate adjustments are made at each well based on the gas composition measurements.

Gas extraction well monitoring was conducted during the reporting period on July 16 and 30, 2021. Figures 2A and 2B show a Site plan with gas monitoring data for the individual gas extraction wells and flare station for the July 2021 monitoring events. Gas extraction well and flare station gas data collected during the reporting period are presented in Table 1.

Gas extraction well water levels, which are monitored annually, were measured on July 15, 2021. Water level data, including the depth to water, and water column height are presented in Table 3.

4. Passive Gas Vent Measurements

A passive landfill gas venting system is installed within Cell 1 of the western landfill. The western landfill comprises two fill areas, Cell 1 and Cell 2, where Cell 1 is a general fill area and Cell 2 is a fill area for contaminated soil. Passive gas vent water levels, which are monitored 3 times per year (April, July, and October), were measured on July 15, 2021. Historical water column heights within the gas vents are presented on Figure 3.

5. Gas Probe Measurements

Monthly monitoring of Site gas probes was performed on July 16, 2021. Measurements recorded during gas probe monitoring include static pressure and gas composition (percent each: methane, oxygen, carbon dioxide, and balance). Gas probes were purged for 210 seconds before final measurements were taken.

Methane was non-detect at all Site gas probes in the July 16, 2021 monitoring event. Gas probe data collected in the July 2021 monitoring round is shown on Figure 4 and provided in Table 4.

6. Condensate Management

Condensate levels in the two 3,000-gallon condensate tanks, which are monitored monthly, were measured on July 15, 2021. A graph of condensate tank volumes measured for the previous 12 months is presented in Figure 4. The condensate volumes measured during the June 17, 2021 monitoring event were as follows:

– Tank – 1 (North): 800-gallons
– Tank – 2 (South): 1,749-gallons

GHD checked the interstitial spaces associated with each condensate tank for the presence of liquid. Interstitial spaces were observed to be dry in the July 2021 monitoring event.

7. Leachate Management

The leachate management system is installed within the western landfill. The western landfill comprises two fill areas, Cell 1 and Cell 2, where Cell 1 is a general fill area and Cell 2 is a fill area for contaminated soil. Each cell contains perforated leachate collection piping that drains to a sump in the southern portion of each cell.

Leachate from Cell 1 is automatically pumped to a 12,000-gallon leachate storage tank located near the leachate load-out station. Leachate from Cell 2 is manually pumped from Cell 2 to the leachate load-out station.

In the pumping, Cell 2 leachate can be discharged either directly into a tanker trailer or onto the load-out station overflow pad that drains into the leachate storage tank.

All leachate system pump controls are managed by a central control panel at the leachate load-out station, with local control also available at the Cell 1 and Cell 2 control panels.

Cell 1 Leachate

During the reporting period, the Cell 1 pump was operated in automatic control, pumping leachate to the tank when possible. In the July 2021 reporting period, 11,086 gallons of leachate were pumped from Cell 1 to the leachate storage tank. Quarterly sampling of the Cell 1 leachate was performed on July 30, 2021.

In the reporting period, 480 gallons of groundwater and/or leachate was pumped from the Cell 1 lysimeter into Cell 1. Historical volumes transferred from the Cell 1 lysimeter into Cell 1, for the previous 18 months, are presented on Figure 6.

Cell 2 Leachate

During the reporting period, pumping from Cell 2 to the leachate tank was performed manually. In the July 2021 reporting period, 934 gallons of leachate were pumped from Cell 2 to the leachate storage tank. Quarterly sampling of the Cell 2 leachate was performed on July 30, 2021.

In the reporting period, 375 gallons of groundwater and/or leachate was pumped from the secondary collection system into Cell 2. Historical volumes transferred from the Cell 2 secondary into Cell 2, for the previous 18 months, are presented on Figure 7.

Leachate Load-Out Station and Disposal

The leachate load-out station consists of a concrete load-out pad, leachate storage tank (12,000 gallons), overhead load-out piping for both the leachate storage tank and for Cell 2, and a control panel. The load-out pad contains a catch basin that collects any spills and drains them back to the leachate storage tank. Leachate is loaded into tank trailers via the overhead load-out piping and transported to the City of Albert Lea Wastewater Treatment Facility (WWTF) for disposal.

During the July 2021 reporting period, 12,020 gallons of leachate was transported to the WWTF. A chart of monthly leachate volumes transported to the WWTF for the previous 18 months is presented in Figure 8. A historical chart of monthly leachate volumes transported to the WWTF, including a 3-month rolling average, for the past 4 years is presented in Figure 9.

8. Site Inspections

Site inspections are conducted on a monthly basis and include inspections of the landfill cover, access roads, Site security features, and general Site conditions. The monthly Site inspection was performed on July 15, 2021. The monthly inspection form is provided as Attachment A.

Final Cover

At the time of the inspection, the landfill was in okay condition. Average vegetation height was between 6 and 8 inches. The usual areas of ponding have dried up. Wild parsnip needs control across the site. Drainage ditches and berms are in good operating condition and dry.

Stormwater System

A full quarterly inspection of the stormwater system was not performed this month, but no issues with the system were observed.

Flare/Gas Collection System

Landfill gas extraction wells were noted to be in good condition. The gas collection system is operating normally with no mechanical issues. Nuisance odors were not detected during the landfill Site inspection.

Condensate/Leachate Collection System

Control panels are secured and in good condition. There were no mechanical issues noted. Cell 1 and Cell 2 are operating normally.

Perimeter System

The flare station fence was observed to be in good condition. The gas probes and monitoring wells were free of damage and secure.

Security

The flare station fence was noted to be locked and secure in the reporting period. No trespassing signs are posted and visible.

Road

The access roads were in good condition with some vegetation growing in the middle of roads.

9. Miscellaneous

A summary of additional operation and maintenance activities conducted and miscellaneous observations made at the Site are as follows:

– Performed manual transfer of leachate from Cell 2 to the load out tank.
– Performed manual transfer of liquid from Cell 1 lysimeter into Cell 1
– Performed manual transfer of liquid from Cell 2 secondary into Cell 2
– Collected discharge permit required quarterly samples from Cells 1 and 2 and submitted to Pace Analytical for laboratory analysis
– Performed quarterly/annual measurement of liquid levels within site gas vents and gas extraction wells
– Performed monthly inspection, testing, and maintenance activities.
– Performed monthly Site inspection.

10. Future Tasks

Upcoming Site tasks anticipated to be completed by GHD in the work order period consist of the following:

– Routine monitoring and maintenance – August 2021

Should you have any questions or comments, please call me at (651) 524-6839.

Regards,

Johan Hedblom
Engineer

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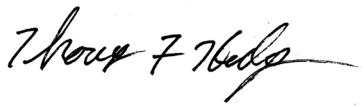
johan.hedblom@ghd.com



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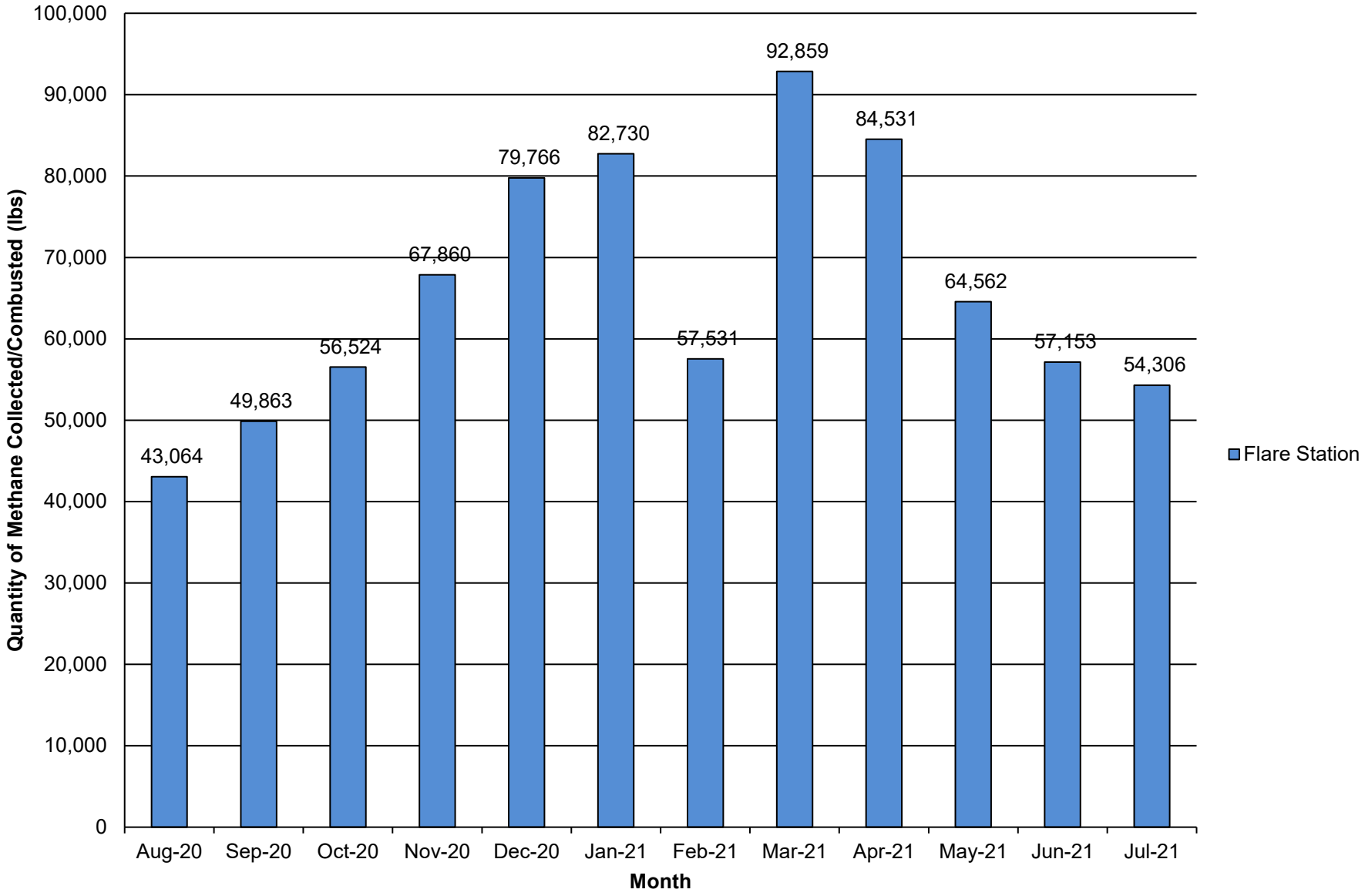
Encl.

Figures

Figure 1
Quantity of Methane Collected and Combusted - Flare Station
Albert Lea Closed Landfill - Albert Lea, Minnesota



0 100 200 ft

N

LEGEND

- GAS EXTRACTION WELL (ON)
- GAS EXTRACTION WELL (OFF)
- GAS VENT LOCATION
- * Well is operating at maximum flow rate (control valves are fully open)
- ** Well was not monitored due to extreme cold weather. Well is off
- NR No Reading

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ALBERT LEA CLOSED LANDFILL
ALBERT LEA, MINNESOTA
OPERATION AND MAINTENANCE REPORT

GAS EXTRACTION WELL DATA
JULY 16, 2021

11219156-21

Aug 11, 2021

FIGURE 2A

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0 100 200 ft

N

LEGEND

- GAS EXTRACTION WELL (ON)
- GAS EXTRACTION WELL (OFF)
- GAS VENT LOCATION
- * Well is operating at maximum flow rate (control valves are fully open)
- NR No Reading

GHD

ALBERT LEA CLOSED LANDFILL
ALBERT LEA, MINNESOTA
OPERATION AND MAINTENANCE REPORT

GAS EXTRACTION WELL DATA
JULY 30, 2021

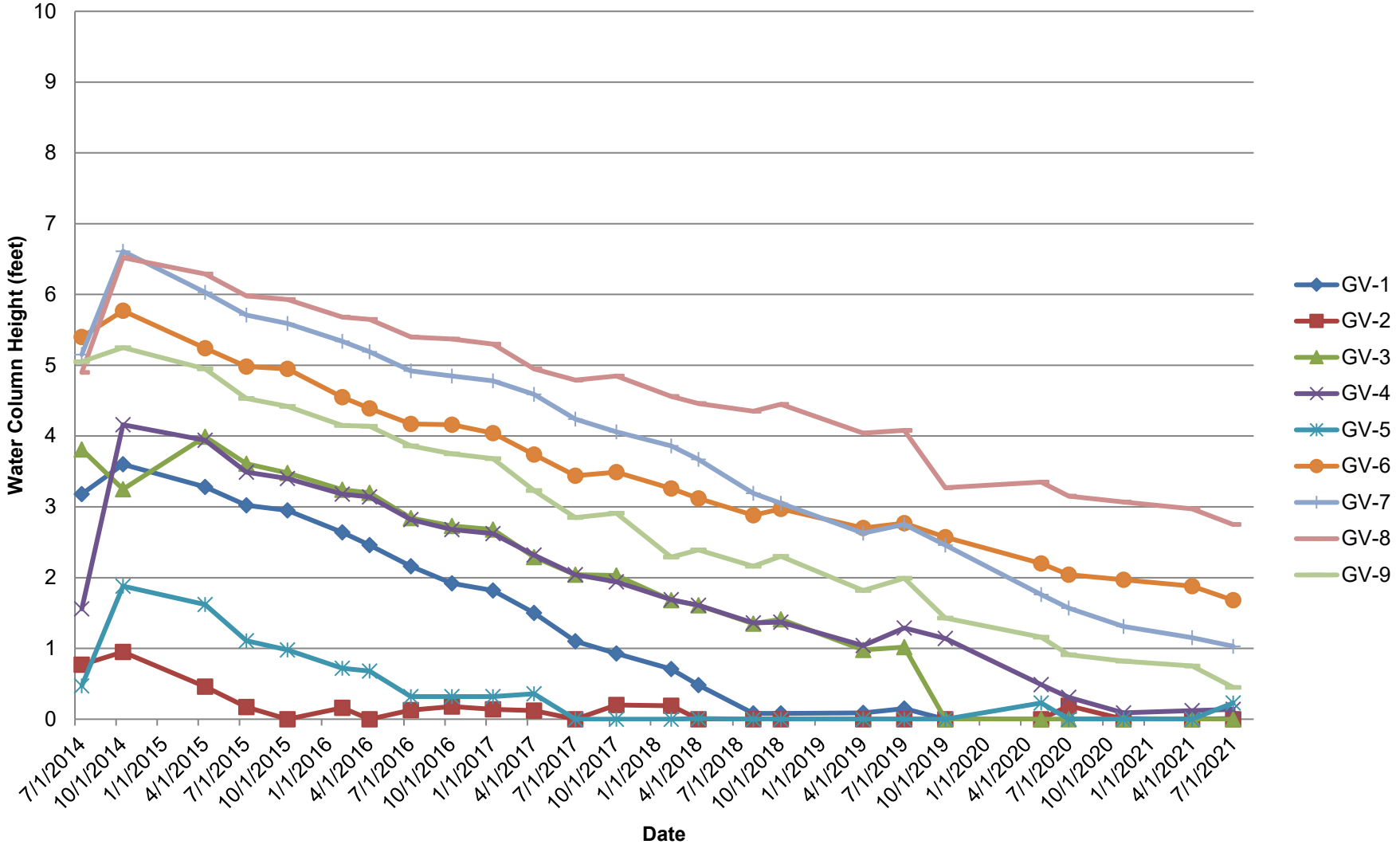
11219156-21

Aug 11, 2021

FIGURE 2B

GIS File: I:\GIS\Projects\8-chars\11------\1110----\111031--\11103105\11219156-CORR\11219156-21(012)\11219156-21(012)GIS-SP002.mxd

Figure 3
Gas Vent Water Column Heights
Albert Lea Closed Landfill - Albert Lea, Minnesota



0 100 200 ft

N

LEGEND

- GAS PROBE LOCATION
- GAS EXTRACTION WELL
- GAS VENT LOCATION

GHD

ALBERT LEA CLOSED LANDFILL
ALBERT LEA, MINNESOTA
OPERATION AND MAINTENANCE REPORT

GAS PROBE DATA
JULY 16, 2021

11219156-21

Aug 11, 2021

FIGURE 4

GIS File: I:\GIS\Projects\8-chars\11------\1110----\111031--\11103105\11219156-CORR\11219156-21(012)\11219156-21(012)GIS-SP003.mxd

Figure 5
Condensate Tank Volumes - 3,000 Gallon Tank Capacity
Albert Lea Closed Landfill - Albert Lea, Minnesota

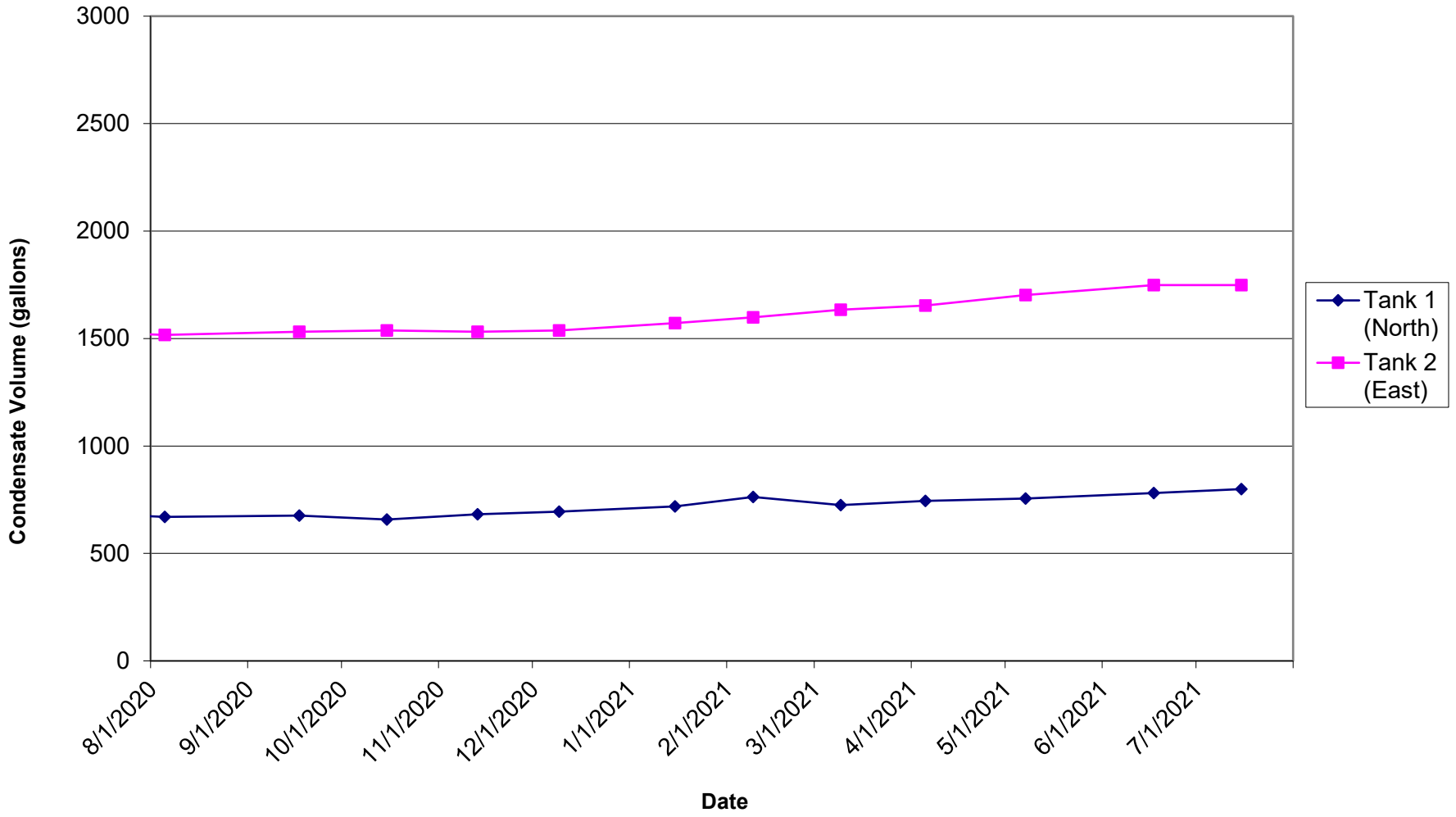


Figure 6
Monthly Volume Pumped from Cell 1 Lysimeter to Cell 1
Albert Lea Closed Landfill - Albert Lea, Minnesota

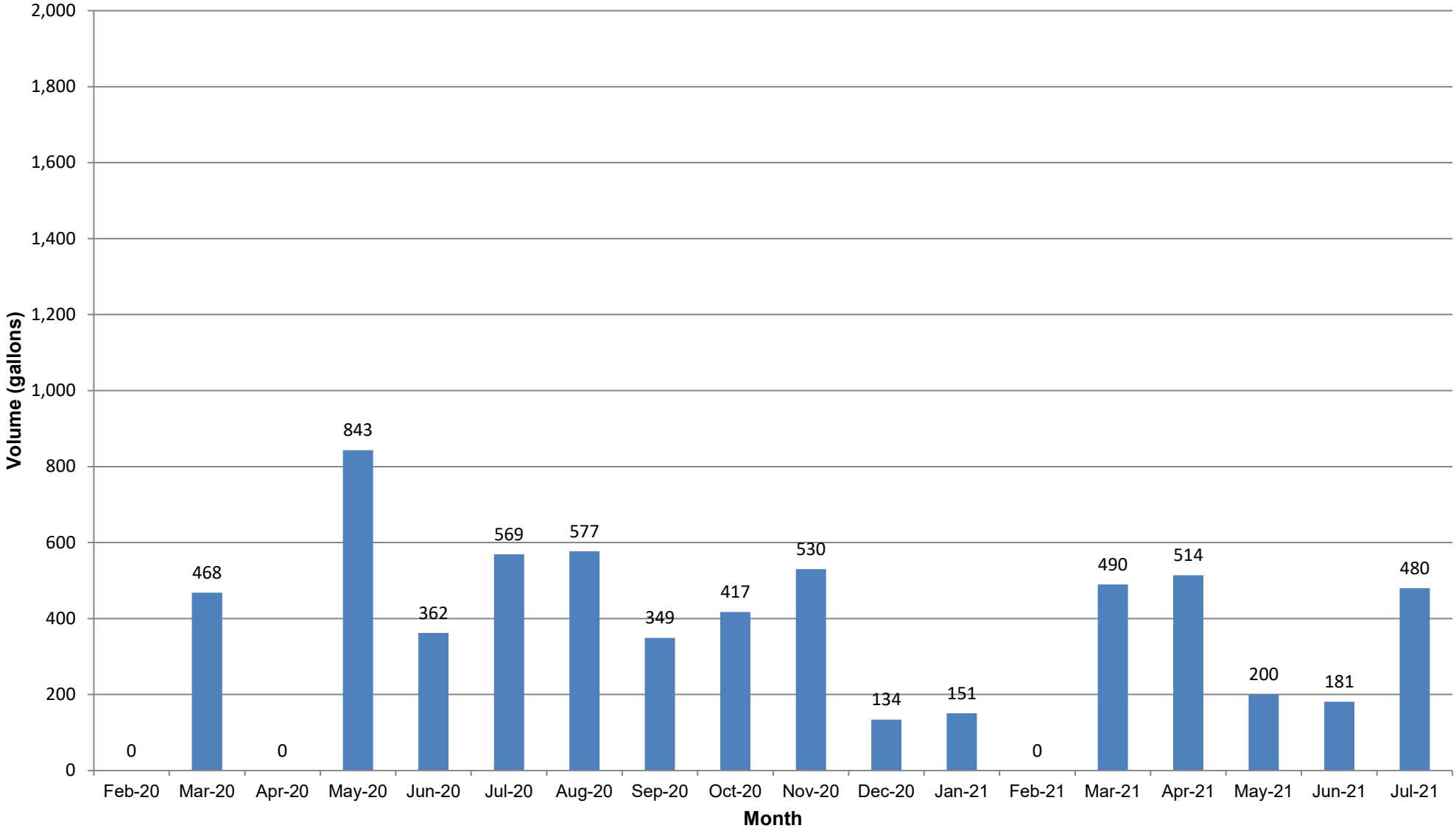


Figure 7
Monthly Volume Pumped from Cell 2 Secondary to Cell 2
Albert Lea Closed Landfill - Albert Lea, Minnesota

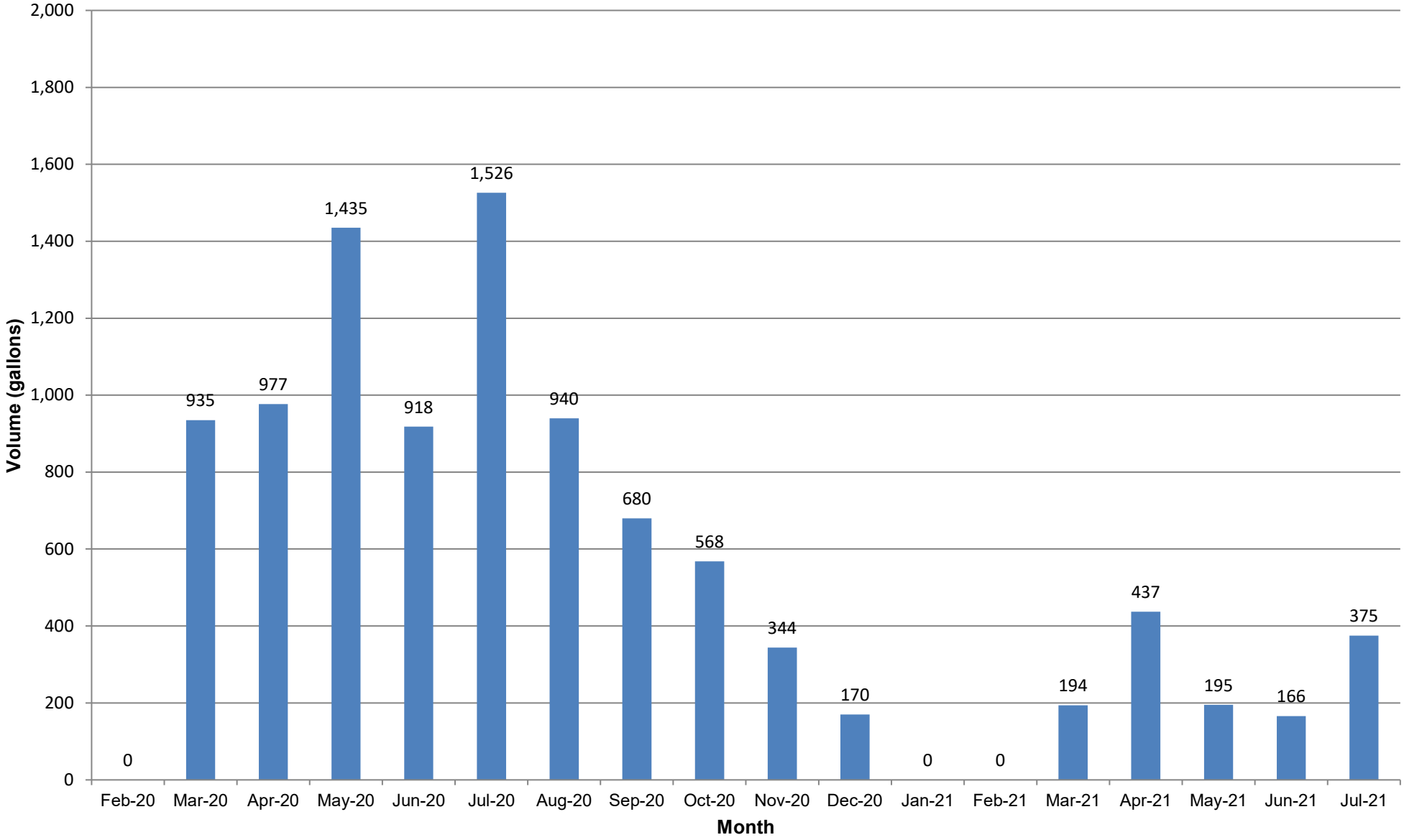


Figure 8
Monthly Leachate Discharge Volumes to City of Albert Lea
Albert Lea Closed Landfill - Albert Lea, Minnesota

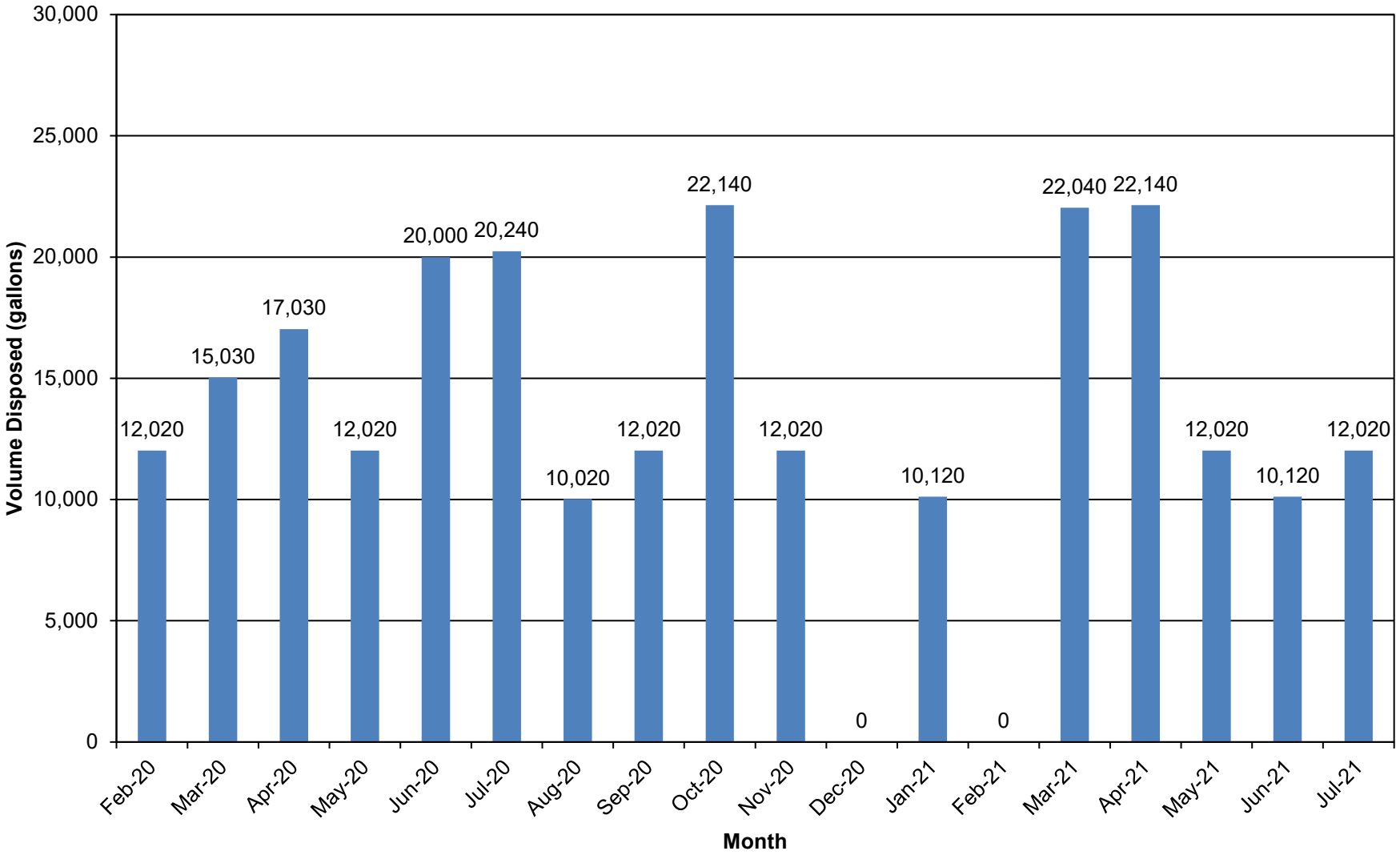
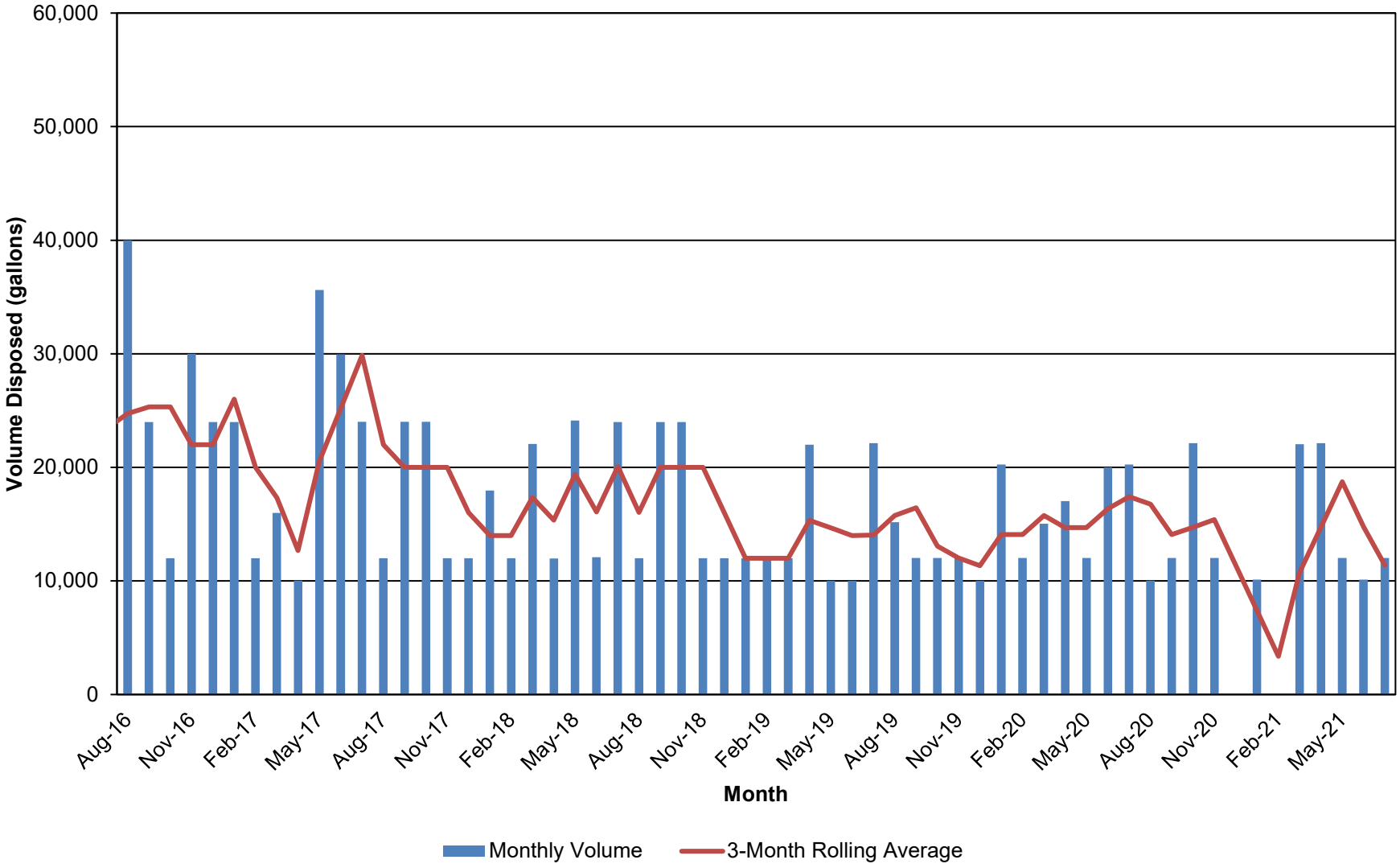


Figure 9
Monthly Leachate Discharge Volumes to City of Albert Lea
Albert Lea Closed Landfill - Albert Lea, Minnesota



Tables

Table 1

Flare Station and Gas Extraction Well Monitoring Data
July 2021
Albert Lea Closed Landfill - Albert Lea, Minnesota

ID	Date	Header Pressure (in. Water)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	Flow Rate (scfm)	Gas Temp (deg F)	Status (on/off)	System Hours
Flare	7/15/2021	-15.7	34.8	0.3	32.5	80	64	On	43342
Flare	7/16/2021	-15.7	35.1	0.3	32.6	75	86	On	43366
Flare	7/30/2021	-15.4	35.7	0.3	29.3	73	67	On	43702
GW-1	7/16/2021	-16.0	10.6	1.0	23.7	0	76	Off	N/A
GW-1	7/30/2021	-15.2	11.2	2.8	21.7	0	67	Off	N/A
GW-2	7/16/2021	-16.1	31.1	0.0	32.0	2	68	On	N/A
GW-2	7/30/2021	-15.2	30.5	0.1	29.6	0	64	On	N/A
GW-3	7/16/2021	-15.6	29.0	0.0	32.2	0	76	On	N/A
GW-3	7/30/2021	-14.9	29.8	0.0	28.9	0	67	On	N/A
GW-4	7/16/2021	-13.6	1.4	15.7	4.1	0	80	Off	N/A
GW-4	7/30/2021	-13.8	8.1	9.1	11.8	0	63	Off	N/A
GW-5	7/16/2021	-15.6	6.9	4.9	16.1	0	72	Off	N/A
GW-5	7/30/2021	-14.7	5.6	7.5	14.0	0	67	Off	N/A
GW-6	7/16/2021	-16.7	4.8	8.0	12.2	0	69	Off	N/A
GW-6	7/30/2021	-2.0	3.8	11.0	10.6	0	63	Off	N/A
GW-7	7/16/2021	-15.6	12.5	0.0	26.8	0	64	Off	N/A
GW-7	7/30/2021	-14.8	13.3	0.0	24.7	0	64	Off	N/A
GW-8	7/16/2021	-14.3	35.5	6.6	25.3	0	68	Off	N/A
GW-8	7/30/2021	-13.1	47.7	0.3	31.1	0	57	Off	N/A
GW-9	7/16/2021	-15.0	36.6	0.0	33.3	2	74	On	N/A
GW-9	7/30/2021	-14.5	37.1	0.0	30.2	4	62	On	N/A
GW-10	7/16/2021	-16.0	11.1	0.3	25.6	0	62	Off	N/A
GW-10	7/30/2021	-14.1	4.4	1.6	21.3	0	NR	Off	N/A
GW-11	7/16/2021	-16.3	4.0	0.4	23.5	0	72	Off	N/A
GW-11	7/30/2021	-10.1	4.9	0.6	21.6	0	62	Off	N/A

Table 1

Flare Station and Gas Extraction Well Monitoring Data
July 2021
Albert Lea Closed Landfill - Albert Lea, Minnesota

ID	Date	Header Pressure (in. Water)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	Flow Rate (scfm)	Gas Temp (deg F)	Status (on/off)	System Hours
GW-12	7/16/2021	-15.8	1.2	17.4	2.9	0	73	Off	N/A
GW-12	7/30/2021	-14.1	2.0	16.1	4.9	0	68	Off	N/A
GW-13	7/16/2021	-15.0	52.3	0.1	33.4	0	76	Off	N/A
GW-13	7/30/2021	-14.1	49.7	0.0	29.9	0	56	Off	N/A
GW-14	7/16/2021	-15.6	47.0	0.0	36.0	9	65	On	N/A
GW-14	7/30/2021	-14.8	44.9	0.0	31.6	9	63	On	N/A
GW-15	7/16/2021	-15.5	37.6	0.0	33.9	16	58	On	N/A
GW-15	7/30/2021	-14.8	38.3	0.0	30.3	14	60	On	N/A
GW-16	7/16/2021	-16.0	25.1	0.0	30.3	1	78	On	N/A
GW-16	7/30/2021	-14.1	29.5	0.0	28.6	2	63	Off	N/A
GW-17	7/16/2021	-15.5	27.4	0.0	29.5	8	62	On	N/A
GW-17	7/30/2021	-15.2	32.1	0.1	28.6	8	68	On	N/A
GW-18	7/16/2021	-16.0	36.3	0.4	33.8	0	68	Off	N/A
GW-18	7/30/2021	-15.2	36.0	0.6	29.5	0	57	Off	N/A
GW-19	7/16/2021	-16.0	37.3	0.0	35.6	3	67	On	N/A
GW-19	7/30/2021	-14.8	37.4	0.1	32.0	5	57	On	N/A
GW-20	7/16/2021	-15.3	38.8	0.0	35.6	0	77	On	N/A
GW-20	7/30/2021	-14.8	41.3	0.0	31.6	2	58	On	N/A
GW-21	7/16/2021	-16.0	29.4	0.0	32.0	0	72	Off	N/A
GW-21	7/30/2021	-15.2	42.8	0.0	30.6	0	69	Off	N/A

Table 1

Flare Station and Gas Extraction Well Monitoring Data
July 2021
Albert Lea Closed Landfill - Albert Lea, Minnesota

ID	Date	Header Pressure (in. Water)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	Flow Rate (scfm)	Gas Temp (deg F)	Status (on/off)	System Hours
GW-22	7/16/2021	-15.0	33.5	0.1	34.9	2	68	On	N/A
GW-22	7/30/2021	-15.8	33.6	0.0	32.1	0	58	Off	N/A
GW-23	7/16/2021	-15.6	41.3	0.0	36.4	0	73	On	N/A
GW-23	7/30/2021	-14.8	42.5	0.0	32.4	3	58	On	N/A
GW-24	7/16/2021	15.6	50.1	0.0	39.9	2	77	On	N/A
GW-24	7/30/2021	-14.8	51.3	0.0	34.8	4	63	On	N/A
GW-25	7/16/2021	-15.3	30.2	0.0	30.5	0	71	Off	N/A
GW-25	7/30/2021	-15.8	33.2	0.0	29.2	0	67	Off	N/A
GW-26	7/16/2021	-15.6	28.6	0.0	33.7	0	68	Off	N/A
GW-26	7/30/2021	-14.1	31.7	0.0	28.8	0	58	Off	N/A
GW-27	7/16/2021	-15.6	31.3	0.0	35.0	3	68	On	N/A
GW-27	7/30/2021	-14.8	32.6	0.0	31.2	4	57	On	N/A
GW-28	7/16/2021	-15.9	17.4	1.7	26.8	0	77	Off	N/A
GW-28	7/30/2021	-14.5	18.8	2.0	24.9	0	73	Off	N/A
GW-29	7/16/2021	-15.3	27.7	0.0	29.3	0	70	Off	N/A
GW-29	7/30/2021	-14.8	30.0	0.0	29.0	0	64	Off	N/A
GW-30	7/16/2021	-16.0	31.3	0.0	32.9	0	68	Off	N/A
GW-30	7/30/2021	-13.8	31.4	0.0	28.7	0	72	Off	N/A
GW-31	7/16/2021	-15.6	34.5	0.0	32.3	0	68	Off	N/A
GW-31	7/30/2021	-15.2	36.0	0.2	29.1	0	73	Off	N/A

Notes:

N/A - Not Applicable
NR - No Reading

Table 2

Remote Monitoring Log of Flare Station
July 2021
Albert Lea Closed Landfill - Albert Lea, Minnesota

Date	Time	Operational Status	Flow Rate (cfm)	Oxygen (%)	Flare Temp (deg F)	Inlet Vacuum (in. H_2O)	Louver Position (% Closed)	VFD Motor Speed (%)	Blower Inlet Vibration ("/sec)	Blower Hours (Hours)	Alarms/ Shutdowns
07/01/21	6:24	Yes	82	0.0	1,411	16.6	69	43	0.23	43,002	None
07/02/21	6:24	Yes	80	0.1	1,397	16.9	64	44	0.21	43,026	None
07/06/21	8:14	Yes	81	0.4	1,401	17.2	65	44	0.13	43,124	High GAC Temp Alarm
07/07/21	7:19	Yes	80	0.0	1,406	16.5	71	43	0.21	43,147	None
07/08/21	6:37	Yes	80	0.0	1,376	15.2	74	41	0.11	43,171	None
07/09/21	6:36	Yes	80	0.0	1,415	15.8	74	42	0.15	43,195	None
07/12/21	6:49	Yes	81	0.0	1,401	15.8	76	42	0.13	43,267	None
07/13/21	6:12	Yes	80	0.0	1,391	15.7	75	42	0.14	43,290	None
07/14/21	7:01	Yes	81	0.3	1,419	15.7	74	42	0.17	43,315	None
07/15/21	6:06	Yes	80	0.0	1,388	15.7	74	42	0.14	43,338	None
07/16/21	6:58	Yes	80	0.0	1,395	15.8	75	42	0.15	43,361	None
07/19/21	6:22	Yes	76	0.0	1,401	16.3	73	42	0.16	43,432	None
07/20/21	6:37	Yes	76	0.0	1,403	15.9	74	42	0.16	43,456	None
07/21/21	6:16	Yes	76	0.0	1,420	16.0	71	42	0.19	43,480	None
07/22/21	7:43	Yes	75	0.0	1,410	15.9	71	42	0.17	43,505	None
07/23/21	9:10	Yes	74	0.1	1,394	15.1	76	41	0.15	43,531	None
07/26/21	6:41	Yes	74	0.0	1,403	16.2	75	43	0.17	43,600	None
07/27/21	6:43	Yes	75	0.0	1,396	15.4	75	42	0.14	43,624	None
07/28/21	8:30	Yes	74	0.0	1,418	17.0	69	43	0.24	43,650	None
07/29/21	8:21	Yes	75	0.0	1,394	16.6	74	43	0.22	43,674	None
07/30/21	8:16	Yes	76	0.0	1,393	16.2	73	42	0.15	43,698	None

Table 3

Gas Extraction Well Water Level Data
July 2021
Albert Lea Closed Landfill - Albert Lea, Minnesota

ID	Date	Well Depth (btoc) (feet)	Water Depth (btoc) (feet)	Water Column Height (feet)
GW-01	7/15/2021	17.58	16.64	0.94
GW-02	7/15/2021	23.90	21.14	2.76
GW-03	7/15/2021	26.58	25.72	0.86
GW-04	7/15/2021	27.51	23.08	4.43
GW-05	7/15/2021	30.27	28.38	1.89
GW-06	7/15/2021	30.65	Dry	0.00
GW-07	7/15/2021	32.27	Dry	0.00
GW-08	7/15/2021	34.03	Dry	0.00
GW-09	7/15/2021	41.89	41.83	0.06
GW-10	7/15/2021	49.38	Dry	0.00
GW-11	7/15/2021	45.10	45.07	0.03
GW-12	7/15/2021	16.46	14.37	2.09
GW-13	7/15/2021	33.80	Dry	0.00
GW-14	7/15/2021	27.97	Dry	0.00
GW-15	7/15/2021	38.25	Dry	0.00
GW-16	7/15/2021	33.17	Dry	0.00
GW-17	7/15/2021	20.67	19.62	1.05
GW-18	7/15/2021	36.67	24.18	12.49
GW-19	7/15/2021	40.32	Dry	0.00
GW-20	7/15/2021	40.70	39.98	0.72
GW-21	7/15/2021	25.87	24.96	0.91
GW-22	7/15/2021	37.08	36.78	0.30
GW-23	7/15/2021	41.13	Dry	0.00
GW-24	7/15/2021	32.74	28.33	4.41
GW-25	7/15/2021	25.58	24.68	0.90
GW-26	7/15/2021	36.02	35.80	0.22
GW-27	7/15/2021	40.05	39.91	0.14
GW-28	7/15/2021	22.87	22.55	0.32
GW-29	7/15/2021	34.08	Dry	0.00
GW-30	7/15/2021	24.70	24.14	0.56
GW-31	7/15/2021	34.98	34.82	0.16

Table 4

Gas Probe Monitoring Data
July 2021
Albert Lea Closed Landfill - Albert Lea, Minnesota

ID	Date	Static Pressure (in. H_2O)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	Comments
GP-1	7/16/2021	0.0	0.0	13.9	3.9	--
GP-2	7/16/2021	0.0	0.0	15.2	3.1	--
GP-3	7/16/2021	0.0	0.0	6.2	11.9	--
GP-4	7/16/2021	0.0	0.0	21.3	0.1	--

Attachment A

Site Inspection

MONTHLY LANDFILL SITE INSPECTION

PROJECT NO:	11103105
PROJECT NAME:	Albert Lea Closed Landfill
INSPECTOR:	B. Lardy
DATE:	7-15-21
TIME:	~ 1500

WEATHER:		COMMENTS
Description:	m sun	
Temperature (°F):	85	
Wind:	calm	

FINAL COVER:		PICTURE #	COMMENTS
Is vegetative growth in good shape:	☑YES ☐NO		
Is mowing required (describe height of cover):	☐YES ☑NO		6-8"
Are there any erosion issues (location):	☐YES ☑NO		
Are there any settlement issues (location):	☐YES ☑NO		Nothing new
Are downslope & berms in good condition:	☑YES ☐NO		
Are drainage ditches in good condition:	☑YES ☐NO		
Are there any ponding issues (location):	☐YES ☑NO		usual area dried up
Are there any leachate seeps (location):	☐YES ☑NO		
Are there areas of exposed refuse (location):	☐YES ☑NO		
Is weed control needed (species/location):	☑YES ☐NO		Wild parsnip scattered across site
Is animal control needed (species/location):	☐YES ☑NO		

STORMWATER SYSTEM:		PICTURE #	COMMENTS
Are outlets in good condition:	☑YES ☐NO		Fall inspection of stormwater not conducted
Are there any erosion issues:	☐YES ☑NO		Nothing new. NE corner of cover

FLARE/GAS COLLECTION SYSTEM:		PICTURE #	COMMENTS
Is control panel secure:	☑YES ☐NO		
Are there any mechanical problems:	☐YES ☑NO		
Is remote service operational:	☑YES ☐NO		cycled power to wireless modem
Is fire extinguisher in good condition:	☑YES ☐NO		In the "Green" Expired service
Are passive gas vents in good condition:	☑YES ☐NO		monitored, liquid levels taken
Are gas wells free of damage:	☑YES ☐NO		
~~Is the O_2 zero level set to 0.1%~~:	☐YES ☐NO		calibrated
Are there any nuisance odors:	☐YES ☑NO		

CONDENSATE/LEACHATE COLLECTION SYSTEM:		PICTURE #	COMMENTS
Are control panels secure:	☑YES ☐NO		
Are sump pumps working:	☑YES ☐NO		
Are there any alarms:	☐YES ☑NO		
Are there any mechanical problems:	☐YES ☑NO		

PROJECT NO:	11103105	INSPECTOR:	B. Lardy
NAME:	Albert Lea Closed Landfill	DATE:	~~7-16-21~~ 7-15-21

PERIMETER SYSTEM:		PICTURE #	COMMENTS
Are probes capped and secure:	☑YES ☐NO		monitored 7-16-21
Are monitoring wells capped and secure:	☑YES ☐NO		
Are gas probes free of damage:	☑YES ☐NO		
Are monitoring wells free of damage:	☑YES ☐NO		
Are there any nuisance odors:	☐YES ☑NO		

SECURITY:		PICTURE #	COMMENTS
Are all gates locked when entering/leaving:	☑YES ☐NO		
Is the flare fence in good condition:	☑YES ☐NO		
Are no trespassing signs posted:	☑YES ☐NO		
Is there evidence of trespassers:	☐YES ☑NO		
Is there evidence of illegal dumping:	☐YES ☑NO		
Is there evidence of deed encroachment:	☐YES ☑NO		

ROAD:		PICTURE #	COMMENTS
Is the road drivable:	☑YES ☐NO		
Are there any erosion issues (location):	☐YES ☑NO		
Are there any vegetation issues (location):	☐YES ☐NO		middle of road filling in

OTHER TASKS/FORMS COMPLETED:	
Semiannual Gas Probe / Extraction Well Inspection:	☐YES ☑NO
Stormwater System Inspection (April, July, October):	☐YES ☑NO
Map marked up with notes:	☐YES ☑NO
Photos taken during inspection:	☐YES ☑NO

OTHER COMMENTS: