March 23, 2022
File No. 25221008.02

Mr. Trevor Bannister
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: Additional Investigation Update
Chlorinated Volatile Organic Compounds in Bedrock Aquifer
Land & Gas Reclamation Landfill (Hechimovich Sanitary Landfill)
Dodge County, Wisconsin
BRRTS #02-14-000906

Dear Mr. Bannister:

On behalf of Glacier Ridge Landfill, LLC (GRL), SCS Engineers (SCS) is submitting this update on the progress of additional investigation of the extent of chlorinated volatile organic compounds (CVOCs) in bedrock at the former Land & Gas Reclamation Landfill (LGRL). The site is also known as the Hechimovich Sanitary Landfill Superfund site. The work described below is consistent with the proposed scope described in SCS's "Additional Investigation and Workplan Update" letter to the Wisconsin Department of Natural Resources (WDNR) dated February 10, 2021.

MONITORING WELL INSTALLATION AND DEVELOPMENT

SCS observed the installation of monitoring wells P-430D and P-426SS in May 2021. The well locations are shown on **Figure 1.** Boring logs and monitoring well construction and development forms are included in **Attachment A**.

SCS mobilized to the site on May 4, 2021, with Dan and Ryan Steffes of Badger Well Drilling (Badger) to convert PW—J to a NR 141 groundwater monitoring well. Badger first removed the pump from the well and then backfilled the bottom of the well with bentonite chips from the bottom of the well at 245 feet to a depth of about 216 feet below ground surface (bgs). The original well construction report and a well abandonment form for PW-J are included in **Attachment A**. Badger then constructed the monitoring well with 10 feet of screen from 215 to 205 feet bgs and 2-inch schedule 80 PVC casing to the surface.

On May 10, 2021, the same crew returned to start drilling bedrock monitoring well P-426SS approximately 10 feet west of existing monitoring well P-426D. Jackie Rennebohm of SCS observed the continuation of drilling on May 11 and Ryan Matzuk (SCS) observed the well construction and grouting on May 12 and 13, 2021. Trevor Bannister of WDNR was on site for a portion of the drilling activities on May 12, 2021. The P-426SS borehole encountered sandstone bedrock at approximately 410 feet bgs. Badger constructed the well with 20 feet of screen from 433 to 413 feet bgs and 2-inch schedule 80 PVC casing to the surface. Badger and Ground Source, Inc., sealed the annular spaces in both of the wells with high solids bentonite grout on May 13, 2021.

Zach Watson of SCS developed both wells on June 3, 2021. SCS first surged each well with a bailer and then pumped each well with a submersible pump. Purge water was discharged to the ground surface. Tetra Tech surveyed the well locations and elevations in June 2021.

GROUNDWATER SAMPLING AND ELEVATION MEASUREMENTS

Environmental Sampling Corporation (ESC) measured water levels in all of the bedrock monitoring wells and collected groundwater samples from only the two new wells on July 20, 2021. ESC collected a complete round of samples from the bedrock monitoring wells in October 2021. Groundwater elevation measurements are summarized in **Table 1**.

Potentiometric surface contour maps of the water elevation data collected from monitoring wells screened in the upper dolomite and sandstone bedrock aquifers in July and October 2021 are shown on **Figures 2** through **5**. The contours for both the dolomite and sandstone aquifers in July and October all show apparent groundwater flow to the east-northeast. The head gradient in the sandstone was steeper in October 2021 (0.004) compared to July 2021 (0.002).

The potentiometric surface maps for the dolomite show that P-430D (former PW-J) is up-gradient of the landfill area. Head elevations in the dolomite at P-430D are approximately 39 feet higher at this well compared to those measured on the east side of LGRL.

ANALYTICAL RESULTS

Groundwater volatile organic compound (VOC) results for samples collected from the bedrock monitoring wells are summarized in **Table 2**. Results of 2021 samples collected from the existing bedrock monitoring wells are consistent with previous data.

In samples from P-426SS, the only VOC detected was cis-1,2-dichloroethane (cis-1,2-DCE), which was present at concentrations less than the NR 140 preventive action limit (PAL). The detected cis-1,2-DCE concentrations in samples from P-426SS (0.77 and 1.7 ug/l) fall between those detected in water supply wells PW-32 (around 0.4 ug/l) and PW-28 (around 3.8 ug/l), and are consistent with groundwater flow toward the northeast in the sandstone aquifer.

In samples from P-430D, the only VOCs detected were cis-1,2-DCE and trans-1,2-Dichloroethene (trans-1,2-DCE). The trans-1,2-DCE concentrations are less than the PAL. The detected cis-1,2-DCE concentrations of 11.8 and 13.0 ug/l exceed the PAL and are about 70 percent higher than those detected in PW-J since May 2019. The relative increase in DCE concentrations in P-430D compared to the former water supply well at this location (PW-J) suggests that the well screen in P-430D is located at the correct depth and likely intersects the transmissive zone in the dolomite where migration of the DCE is occurring. Given the apparent upgradient position of P-430D relative to the LGRL area, it is unlikely that the contamination in this well migrated west within the dolomite aquifer from the landfill area to P-430D. Although the source of DCE in this well is not clear, additional source investigation is not warranted because concentrations remain below the NR 140 ES and the extent is limited based on the lack of DCE detections in the other water supply wells on the west side of Highway V that are sampled under the Glacier Ridge Landfill monitoring program.

FUTURE WORK

The installation and sampling of the two new wells, PW-426SS and P-430D, has addressed the objectives of the additional investigation, and no additional monitoring well installations are proposed at this time. The new wells will be included in the ongoing bedrock well monitoring program.

SCS will submit an annual report for LGRL by April 30, summarizing the complete monitoring results for 2021. The annual report will include additional discussion of the results from the new wells in the context of the overall site investigation.

Please do not hesitate to contact us at (608) 224-2830 if you have any questions or would like to discuss the investigation findings and recommendations.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS Engineers

Eric Oelkers, PG
Senior Project Manager/Hydrogeologist
SCS Engineers

EO/AJR_REO/SCC

cc: Jake Margelofsky, Glacier Ridge Landfill (2 copies)

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Nathan Kempke, City of Mayville
Paul Rosenfeldt, Edgarton, St. Peter, Petak & Rosenfeldt (for Mayville Engineering Corp.)
Frank Perugini, Environmental Sampling Corporation

Encl. Table 1 – Water Level Summary – Bedrock Monitoring Wells
Table 2 – Bedrock Well Sample Results – VOCs

Figure 1 – Monitoring Well and Private Well Locations
Figure 2 – Dolomite Bedrock Groundwater Elevations and Potentiometric Surface Contours - July 2021
Figure 3 – Dolomite Bedrock Groundwater Elevations and Potentiometric Surface Contours - October 2021
Figure 4 – Sandstone Bedrock Groundwater Elevations and Potentiometric Surface Contours – July 2021
Figure 5 – Sandstone Bedrock Groundwater Elevations and Potentiometric Surface Contours – October 2021

Attachment A – Borehole Logs and Well Construction and Development Reports

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Tables

Table 1. Water Level Summary - Bedrock Wells
Land and Gas Reclamation Landfill / File No. 25221008.02

Raw Data	Depth to Water in feet below top of well casing											
	P401D	P402E	P423D	Office Well	PW18	PW27	P424D	P424SS	P426D	P426SS	P429SS	P430D
Measurement Date												
March 12, 2010	76.87	73.58		53.82	108.25	91.44						
April 8, 2011	76.96	73.67	95.30									
October 6-7, 2011	81.26	78.00	100.50									
April 13, 2012	77.60	74.40	96.00									
October 3-5, 2012	81.70	78.43	99.72									
December 17, 2012	82.16	78.95	100.50			96.90	93.40	92.90				
February 20, 2013	82.11	78.88	99.55			96.20	92.75	92.10				
April 1, 2013	81.20	77.70	98.60				91.75	91.20				
September 30, 2013	83.33	80.09	101.30				94.80	94.22				
April 7, 2014	80.00	76.80	97.87				91.04	90.65				
October 6, 2014	80.35	77.15	98.75				91.91	91.55				
April 17, 2015	78.75	75.45	96.88				90.10	89.72				
May 20, 2015	78.93	75.72	97.27				90.42	90.06	104.15			
June 3, 2015	78.85	75.65	97.00				90.14	89.80	103.65			
October 9, 2015	83.10	79.90	100.80				93.80	93.50	107.50			
April 4, 2016	77.92	74.76	95.65				88.90	89.40	102.35			
October 7, 2016	80.35	77.5	98.60				91.6	91.3	105.3			
April 7, 2017	75.80	72.52	94.30				87.33	87.10	101.00			
October 6, 2017	79.56	76.35	98.12				91.10	90.85	103.82			
November 30, 2017											156.90	
December 28, 2017	77.65											
February 1, 2018											155.80	
April 5-6, 2018	78.60	75.50	96.90				89.90	89.62	103.65			
April 25, 2018											157.00	
October 4, 2018							90.38	90.20				
October 30, 2018	79.70	76.30	95.40						102.20			
January 9, 2019											158.20	
April 1, 2019	75.50	73.10	94.55				87.20	87.05	99.55		150.35	
October 28-29, 2019	76.70	73.60	94.95				88.20	88.05	101.75		152.50	
April 17, 24, and 27, 2020	73.25	70.84	91.61				84.70	84.50	98.50		149.15	
October 8-9, 2020	78.82	75.72	97.22				90.33	90.20	104.65		154.80	
April 9 and 29, 2021	76.88	73.75	94.25				87.30	87.20	101.00		153.80	
July 20, 2021	82.36	79.25	100.93				93.95	93.88	107.55	109.00	155.10	67.80
October 4, 2021	83.05	79.85	101.31				94.40	94.10	108.00	109.85	158.40	68.95

Table 1. Water Level Summary - Bedrock Wells
Land and Gas Reclamation Landfill / File No. 25221008.02

	Ground Water Elevation in feet above mean sea level (amsl)											
Well Number	**P401D**	**P402E**	**P423D**	**Office Well**	**PW18**	**PW27**	**P424D**	**P424SS**	**P426D**	**P426SS**	**P429SS**	**P430D**
Top of Casing Elevation (feet amsl)	932.30	929.08	948.99	958.14	947.56	946.15	942.60	941.88	955.65	954.65	999.24	956.84
Screen/Open Hole Length (ft)	15.00	20.00	18.00	46.00	60.00	43.00	20.00	20.00	20.00	20.00	15.00	10.00
Total Depth (ft from top of casing)	147.40	177.98	225.01	202.00	247.00	205.00	206.10	411.45	221.80	434.50	460.00	218.50
Top of Screen / Open Hole Elevation (ft)	799.90	771.10	205.01	802.14	760.56	784.15	756.50	550.43	753.85	540.15	554.24	748.34
Measurement Date												
March 12, 2010	855.43	855.50		904.32	839.31	854.71						
April 8, 2011	855.34	855.41	853.69									
October 6-7, 2011	851.04	851.08	848.49									
April 13, 2012	854.70	854.68	852.99									
October 3-5, 2012	850.60	850.65	849.27									
December 17, 2012	850.14	850.13	848.49			849.25	849.20	848.98				
February 20, 2013	850.19	850.20	849.44			849.95	849.85	849.78				
April 1, 2013	851.10	851.38	850.39				850.85	850.68				
September 30, 2013	848.97	848.99	847.69				847.80	847.66				
April 7, 2014	852.30	852.28	851.12				851.56	851.23				
October 6, 2014	851.95	851.93	850.24				850.69	850.33				
April 17, 2015	853.55	853.63	852.11				852.50	852.16				
May 20, 2015	853.37	853.36	851.72				852.18	851.82	851.50			
June 3, 2015	853.45	853.43	851.99				852.46	852.08	852.00			
October 9, 2015	849.20	849.18	848.19				848.80	848.38	848.15			
April 4, 2016	854.38	854.32	853.34				853.70	852.48	853.30			
October 7, 2016	851.95	851.58	850.39				851.00	850.58	850.35			
April 7, 2017	856.50	856.56	854.69				855.27	854.78	854.65			
October 6, 2017	852.74	852.73	850.87				851.50	851.03	851.83			
November 30, 2017											842.34	
December 28, 2017	854.65											
February 1, 2018											843.44	
April 5-6, 2018	853.70	853.58	852.09				852.70	852.26	852.00			
April 25, 2018											842.24	
October 4, 2018							852.22	851.68			Well	
October 30, 2018	852.60	852.78	853.59						853.45		Inaccessible	
January 9, 2019											841.04	
April 1, 2019	856.80	855.98	854.44				855.40	854.83	856.10		848.89	
October 28-29, 2019	855.60	855.48	854.04				854.40	853.83	853.90		846.74	
April 17, 24, and 27, 2020	859.05	858.24	857.38				857.90	857.38	857.15		850.09	
October 8-9, 2020	853.48	853.36	851.77				852.27	851.68	851.00		844.44	
April 9 and 29, 2021	855.42	855.33	854.74				855.30	854.68	854.65		845.44	
July 20, 2021	849.94	849.83	848.06				848.65	848.00	848.10	845.65	844.14	889.04
October 4, 2021	849.25	849.23	847.68				848.20	847.78	847.65	844.80	840.84	887.89
Bottom of Well Elevation (ft)	784.90	751.10	723.98	756.14	700.56	741.15	736.50	530.43	733.85		539.24	738.34

Created by: EO Date: 3/16/2010
Last revision by: EO Date: 11/19/2021
Checked by: RM Date: 2/7/2022
Proj Mgr QA/QC: EO Date: 3/10/2022

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2021
Land and Gas Reclamation Landfill / File No. 25221008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-401D	10/7/2009	Siemens	**6.37**	**452**	**194**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	ND
	4/6/2010	Siemens	**12.3**	**400**	**278**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.10	<0.4	<0.2	o-Xylene **0.22** J
	10/27/2010	Siemens	**10.4**	**345**	**277**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	ND
	11/29/2010	Siemens	**11.6**	**340**	--	<0.70	<0.40	<0.30	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	ND
	4/8/2011	Siemens	**9.4**	**356**	**281**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	cis-1,3-Dichloropropylene **0.25** J
	10/6/2011	Siemens	**9.36**	**332**	**273**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	Carbon Disulfide **28.8**
	4/13/2012	Siemens	**9.44**	**365**	**226**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	ND
	10/4/2012	Pace	**9.4**	**359**	**219**	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	10/4/2013	Pace	**12.6**	**360**	**251**	<0.44	<0.39	<0.28	<0.43	<0.42	<0.37	<0.47	<0.36	<0.18	ND
	4/7/2014	Pace	**10.9**	**362**	**255**	<0.37	<0.50	<0.16	<0.41	<0.26	<0.24	<0.50	<0.33	<0.18	ND
	10/17/2014	Pace	**12.4**	**340**	**280**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/17/2015	Pace	**12.0**	**348**	**251**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/9/2015	Pace	**12.6**	**350**	**289**	<0.37	<0.50	<0.24	<0.41	**11.0**	**0.43** J	<0.50	**0.41** J	<0.18	Acetone **21.2**
	4/7/2016	Pace	**12.5**	**344**	**273**	<0.37	<0.50	<0.24	<0.41	**1.7**	<0.26	<0.50	<0.33	<0.18	Acetone **3.0** J
	12/28/2017	Pace	**16.4**	**340**	**323**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/6/2018	Pace	**17.2**	**348**	**357**	<0.37 L1	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone **3.0** J1
	10/30/2018	Pace	**16.8**	**332**	**322**	<1.3	<2.2	<0.27	<0.24	**0.33** J1	<1.1	<0.33	<0.26	<0.17	Acetone **10.6** J1
	10/30/2018 (DUP)	Pace	**16.9**	**336**	**309**	<1.3	<2.2	<0.27	<0.24	**0.61** J1	<1.1	<0.33	<0.26	<0.17	Acetone **7.3** J1
	4/4/2019	Pace	**16.8**	**333**	**304**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	10/28/2019	Pace	**15.7**	**321**	**320**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **9.2** J1
	4/24/2020	Pace	**17.1**	**341**	**273**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	ND
	10/8/2020	Pace	**17.8**	**342**	**339**	<1.3	<2.2	<0.27	<0.24	**1.8**	<0.46	<0.33	<0.26	<0.17	Acetone **6.9** J1
	4/29/2021	Pace	**16.5**	**351**	**285**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/8/2021	Pace	**18.1**	**349**	**323**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
P-402D (Abandoned)	10/7/2009	Siemens	**60.9**	**381**	**1,050**	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	Toluene **0.43** J

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2021
Land and Gas Reclamation Landfill / File No. 25221008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
P-402E	1/22/2010	Siemens	**47.3**	**439**	**516**	**2.6** CSH	**0.53** J	**2.9**	**0.5** J	**120**	**4.18**	<0.30	**2.71**	**23.6**	ND	
	2/24/2010	Siemens	**72.4**	484	--	<3.50	<2.00	<2.00	<2.00	**176**	**7.38**	<1.50	**2.66**	**26.6**	ND	
	2/24/2010	TA	--	--	--	**3.9**	<0.30	**1.9**	**0.61**	**200**	**8**	<0.50	**1.9**	**35**	ND	
	4/7/2010	Siemens	**68.5**	**414**	**486**	**7.25** J	<4.0	<4.0	<4.0	**395**	**12.4** J	<3.0	**4.84** J	**48.8**	ND	
	10/27/2010	Siemens	**78.4**	**403**	**505**	<7.0	<4.0	<4.0	<4.0	**459**	**14.8** J	<3.0	**11.1** J	**39.4**	Methylene Chloride	**8.47** J
	11/29/2010	Siemens	**83.6**	**410**	--	<7.0	<4.0	<4.0	<4.0	**346**	**10.9** J	<3.0	**9.16** J	**40.6**	ND	
	4/8/2011	Siemens	**87.7**	**404**	**483**	**7.64**	<0.40	**1.41**	**1.65**	**499**	**18.8**	<0.30	**15.7**	**53.5**	Tetrahydrofuran	**4.95** J
	10/7/2011	Siemens	**73**	**392**	**502**	**5.87**	<0.40	**1.47**	**1.23** J	**344**	**11.8**	<0.30	**13.6**	**41.9**	Carbon Disulfide	**3.30** J
															Tetrahydrofuran	**2.77 J**
	4/13/2012	Siemens	**75.9**	**412**	**496**	<7	<4	<4	<4	**412**	**11.6** J	<3	**11.5 J**	**41.4**	ND	
	10/4/2012	Pace	**68.8**	**344**	**466**	**5.0**	<0.24	**1.3**	**1.2**	**360**	**13.0**	<0.45	**12.5**	**39.3**	Tetrahydrofuran	**2.7** J
	4/5/2013	Pace	**60.2**	**397**	**566**	**5.8**	<0.96	<3.0	<2.3	**330**	**11.2**	<1.8	**10.2**	**35.5**	ND	
	10/4/2013	Pace	**61.6**	**397**	**456**	**4.5**	<0.78	**1.3** J	<0.85	**301**	**20.5**	<0.94	**8.3**	**25.3**	ND	
	4/7/2014	Pace	**61.5**	**399**	**470**	**8.0**	<2.0	**1.2** J	<1.6	**326**	**12.0**	<2.0	**8.3**	**42.6**	ND	
	10/15/2014	Pace	**61.7**	**373**	**453**	**5.0**	<2.5	<1.2	<2.1	**283**	**17.9**	<2.5	**6.5**	**28.3**	ND	
	4/17/2015	Pace	**62.8**	**383**	**450**	**4.8**	<1.2	**0.82** J	<1.0	**298**	**8.5**	<5.1	**5.5**	**27.6**	ND	
	10/9/2015	Pace	**64.5**	**389**	**465**	**5.2**	<1.2	<0.60	<1.0	**287**	**8.4**	<1.2	**4.8**	**25.2**	Acetone	**19.6** J
	4/7/2016	Pace	**63.5**	**364**	**450**	**7.9**	<1.2	**1.1** J	<1.0	**315**	**20.3**	<1.2	**4.4**	**28.8**	ND	
	10/7/2016	Pace	**56.8**	**376**	**475**	**7.4**	<2.0	<0.97	<1.6	**309**	**9.4**	<2.0	**3.8** J	**26.9**	ND	
	4/7/2017	Pace	**65.3**	**392**	**442**	**7.1**	<1.2	**1.1** J	<1.0	**324**	**14.3**	<1.2	**3.3**	**29.7**	ND	
	10/6/2017	Pace	**58.4**	**379**	**452**	**5.2**	<1.2	0.78 J	1.5 J	**290**	**11.5**	<1.2	**3.5**	**27.2**	ND	
	4/6/2018	Pace	**54.9**	**388** M0	**478**	<0.94 L1	<1.2	**1.2** J1	<1.0	**337**	<0.64	<1.2	**2.4** J1	**25.7**	ND	
	4/6/2018 (DUP)	Pace	**55.3**	**366**	**482**	**3.1** L1	<0.50	**1.2**	**1.1**	**324**	**4.5**	<0.50	**2.5**	**27.2**	Acetone	**7.2** J1
															Tetrahydrofuran	3.2 J1
	10/30/2018	Pace	**53.5**	**377**	**436**	**4.7** J1	<5.5	**0.81** J1	<0.61	**268**	**8.9** J1	<0.82	**2.1** J1	**27.9**	ND	
	4/4/2019	Pace	**53.3**	**362**	**445**	**4.6** J1	<5.5	**0.94** J1	<0.61	**231**	**7.2** J1	**1.5** J1	**1.7** J1	**25.5**	ND	

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2021
Land and Gas Reclamation Landfill / File No. 25221008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
P-402E	10/28/2019	Pace	**50.3**	**368**	**466**	**4.4** J1	<5.5	**0.73** J1	**0.74** J1	**237**	**6.7** J1	<0.82	**1.3** J1	**29**	Acetone	11 J1
(cont.)	4/23/2020	Pace	**48.7**	**365**	**436**	**4.7** J1	<5.5	**1.2** J1	**1.0** J1	**214**	**8.1**	<0.82	**0.79** J1	**34**	ND	
	10/8/2020	Pace	**50.1**	**378**	**484**	**4.0** J1	<5.5	<0.68	<0.61	**225**	**5.7**	<0.82	**0.86** J1	**29.1**	ND	
	4/29/2021	Pace	**44.7**	**375**	**416**	**4.0** J1	<4.1	**0.85** J1	<1.5	**235**	**6.6**	<1.0	<0.80	**33.1**	ND	
	10/8/2021	Pace	**41.1**	**374**	**462**	<3.4	<4.1	**0.82** J1	<1.5	**235**	**6.2**	<1.0	**0.85** J1	**24.6**	ND	
P-423D	12/16/2010	Siemens	**34.6**	**394**	--	**2.13** J	<0.40	**0.60** J	<0.40	**62.1**	**2.6**	<0.30	**0.9** J	**2.53**	ND	
	4/8/2011	Siemens	**29.7**	**360**	**427**	**1.38** J	<0.40	**0.59** J	<0.40	**52**	**2.04**	<0.30	**0.73** J	**1.2**	ND	
	10/7/2011	Siemens	**32.1**	**373**	**441**	**1.57** J	<0.40	**0.44** J	<0.40	**44.9**	**1.64** J	<0.30	**0.74** J	**2.19**	Carbon Disulfide	**1.99** J
	4/13/2012	Siemens	**28.2**	**348**	**432**	**1.36** J	<0.40	**0.59** J	<0.40	**61.9**	**2.75**	<0.30	**0.92** J	**0.91** J	ND	
	10/5/2012	Pace	**8.8**	**364**	**227**	**1.1**	<0.24	<0.75	<0.57	**51.8**	**2.5**	<0.45	**0.68** J	**1.5**	ND	
	4/5/2013	Pace	**25.6**	**364**	**487**	**1.5**	<0.24	<0.75	<0.57	**59.4**	**2.6**	<0.45	**0.72** J	**2.1**	ND	
	10/3/2013	Pace	**30.6**	**356**	**413**	**1.1**	<0.39	<0.28	<0.43	**59.3**	**2.4**	<0.47	**0.74** J	**1.1**	ND	
	4/7/2014	Pace	**29.9**	**366**	**420**	**1.5**	<0.50	**0.41** J	<0.41	**53.6**	**2.6**	<0.50	**0.75** J	**1.0** J	ND	
	10/16/2014	Pace	**32.4**	**347**	**410**	**0.95** J	<0.50	**0.37** J	<0.41	**51.2**	**2.5**	<0.50	**0.66** J	**0.91** J	ND	
	4/17/2015	Pace	**33.8**	**357**	**408**	**0.97** J	<0.50	**0.35** J	<0.41	**47.7**	**2.2**	<0.50	**0.66** J	**1.1**	ND	
	10/9/2015	Pace	**40.3**	**370**	**430**	**1.3**	<0.50	**0.32** J	<0.41	**45.5**	**2.0**	<0.50	**0.60** J	**1.1**	ND	
	4/8/2016	Pace	**37.5**	**355**	**432**	**0.62** J	<0.50	<0.24	<0.41	**29.7**	**1.2**	<0.50	**0.47** J	<0.18	ND	
	10/7/2016	Pace	**43.4**	**372**	**447**	**1.9**	<0.50	**0.38** J	<0.41	**43.9**	**2.0**	<0.50	**0.57** J	**1.1**	ND	
	4/7/2017	Pace	**43.0**	**364**	**430**	**1.7**	<0.50	**0.44** J	<0.41	**47.9**	**2.6**	<0.50	**0.73** J	**1.1**	ND	
	10/6/2017	Pace	**34.8**	**354**	**432**	**2.1**	<0.50	0.38 J	<0.41	**58.6**	**3.1**	<0.50	**0.59** J	**2.5**	ND	
	4/6/2018	Pace	**41.0**	**365**	**472**	<0.37 L1	<0.50	**0.65** J1	<0.41	**92.4**	<0.26	<0.50	**0.74** J1	**3.3**	ND	
	10/30/2018	Pace	**39.2**	**371**	**437**	**2.8** J1	<2.2	**0.56** J1	<0.24	**82.5**	**3.6** J1	<0.33	**0.70** J1	**2.9**	Acetone	**3.6** J1
	4/4/2019	Pace	**36.3**	**358**	**428**	**2.8** J1	<2.2	**0.66** J1	<0.24	**80.4**	**4.1**	<0.33	**0.59** J1	**2.5**	Acetone	**7.7** J1

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Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
P-423D (cont.)	10/29/2019	Pace	**28.6**	**336**	**434**	**1.8** J1	<2.2	**0.53** J1	<0.24	**71.8**	**3.3** J1	<0.33	**0.71** J1	**2.1**	2-Butanone (MEK)	**11.1** J1
															Acetone	**5.4** J1
	4/27/2020	Pace	**44.3**	**344**	**453**	**2.2** J1	<2.2	**0.60** J1	<0.24	**73.1**	**3.4**	<0.33	**0.66** J1	**2.5**	ND	
	10/8/2020	Pace	**41.2**	**358**	**488**	**1.4** J1	<2.2	**0.50** J1	<0.24	**76.4**	**3.4**	<0.33	**0.86** J1	**1.2**	Acetone	**4.5** J1
	4/29/2021	Pace	**47.3**	**355**	**463**	<1.4	<1.6	**0.39** J1	<0.58	**57.3**	**2.7**	<0.41	**0.89** J1	**1.7**	ND	
	10/28/2021	Pace	**45.8**	**365**	**486**	**1.5** J1	<1.6	**0.39** J1	<0.58	**55.7**	**2.6**	<0.41	**0.90** J1	**1.7**	ND	
P-424D	12/17/2012	Pace	**33.8**	**357**	**409**	**2.5**	<0.48	<1.5	<1.1	**91.2**	**3.5**	<0.90	**1.7** J	**7.0**	ND	
	2/20/2013	Pace	**32.6**	**382**	**432**	**2.6**	<0.24	**0.92** J	<0.57	**105**	**3.2**	<0.45	**2.5**	**5.8**	ND	
	10/3/2013	Pace	**38.5**	**379**	**444**	**2.6**	<0.39	**1.1**	<0.43	**124**	**3.5**	<0.47	**3.2**	**10.1**	ND	
	4/7/2014	Pace	**34.8**	**369**	**427**	**3.1**	<0.50	**0.98** J	**0.42** J	**114**	**4**	<0.50	**3**	**7.6**	Acetone	**3.1** J
	10/16/2014	Pace	**40.7**	**358**	**424**	**3.3**	<1.0	**0.92** J	<0.82	**122**	**4.9**	<1.0	**2.4**	**7.7**	ND	
	4/17/2015	Pace	**37.7**	**363**	**409**	**1.8**	<0.50	**0.54** J	<0.41	**79.6**	**2.5**	<0.50	**2.3**	**2.6**	ND	
	10/9/2015	Pace	**48.6**	**384**	**449**	**3.5**	<0.50	**0.88** J	<0.41	**120**	**3.8**	<0.50	**2.2**	**11.4**	ND	
	4/8/2016	Pace	**40.7**	**369**	**432**	**2.9**	<0.50	**0.82** J	<0.41	**111**	**3.4**	<0.50	**2.3**	**5.3**	ND	
	10/7/2016	Pace	**45.1**	**370**	**485**	**4.1**	<1.2	**0.94** J	<1.0	**125**	**4.3**	<1.2	**2.3** J	**9.9**	ND	
	4/7/2017	Pace	**43.2**	**374**	**422**	**3.6**	<0.50	**0.84** J	<0.41	**119**	**4.0**	<0.50	**2.1**	**7.6**	ND	
	10/6/2017	Pace	**43.2**	**369**	**452**	**3.1**	<0.50	**1**	**0.51** J	**151**	**4.7**	<0.50	**2**	**9.4**	ND	
	4/6/2018	Pace	**41.1**	**371**	**466**	**0.41** J1,L1	<0.50	<0.24	**0.54** J1	**156**	<0.26	<0.50	**2.0**	**9.7**	Tetrahydrofuran	**2.6** J1
	10/5/2018	Pace	**36.1**	**366**	**457**	**3.3** J1	<2.2	**0.66** J1	**0.41** J1	**104**	**3.4** J1	<0.33	**2.0**	**10.5**	ND	
	4/4/2019	Pace	**38.1**	**356**	**436**	**2.9** J1	<2.2	**0.82** J1	**0.41** J1	**115**	**3.6** J1	<0.33	**1.9**	**8.4**	Acetone	**3.5** J1
	10/28/2019	Pace	**36**	**357**	**452**	**2.4** J1	<2.2	**0.82** J1	**0.33** J1	**114**	**3.6** J1	<0.33	**1.9**	**8.3**	Acetone	**5.8** J1
	4/24/2020	Pace	**40.2**	**361**	**429**	**1.8** J1	<2.2	**0.75** J1	**0.29** J1	**79.7**	**3.5**	<0.33	**1.8**	**3.5**	Acetone	**5.5** J1
	10/8/2020	Pace	**35.2**	**367**	**474**	**2.2** J1	<2.2	**0.76** J1	<0.24	**105**	**3.3**	<0.33	**1.7**	**7.4**	Acetone	**3.2** J1
	4/9/2021	Pace	**36.1**	**359**	**427**	**1.8** J1	<1.6	**0.52** J1	<0.58	**83.7**	**2.8**	<0.41	**1.5**	**4.7**	ND	
	10/28/2021	Pace	**35.6**	**375**	**455**	**2.0** J1	<1.6	**0.76** J1	<0.58	**113**	**3.3**	<0.41	**1.6**	**8.2**		

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Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-424SS	12/17/2012	Pace	<2.0	**303**	**287**	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	2/20/2013	Pace	**2.1** J	**309**	**298**	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	10/3/2013	Pace	**2.8** J	**320**	**298**	<0.44	<0.39	<0.28	<0.43	<0.42	<0.37	<0.47	<0.36	<0.18	ND
	4/7/2014	Pace	**2.5** J	**311**	**290**	<0.37	<0.50	<0.16	<0.41	<0.26	<0.24	<0.50	<0.33	<0.18	ND
	10/16/2014	Pace	**2.8** J	**303**	**283**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/17/2015	Pace	**2.8** J	**314**	**276**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone **3.7** J
	10/9/2015	Pace	**2.4** J	**323**	**295**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/8/2016	Pace	**2.7** J	**309**	**293**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/7/2016	Pace	**1.0** JB	**307**	**294**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/7/2017	Pace	**0.92** J	**314**	**288**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/7/2017 DUP	Pace	**0.91** J	**317**	**284**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/6/2017	Pace	**0.80** J	**310**	**306**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/6/2018	Pace	**0.72** J1	**318**	**329**	<0.37 L1	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone **3.0** J1
	10/5/2018	Pace	**0.96** J1	**307** M0	**326**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	4/4/2019	Pace	**0.76** J1	**301**	**312**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **5.9** J1
	10/28/2019	Pace	**1.0** J1	**291**	**318**	<1.3	<2.2 R1	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **5.5** J1
	4/24/2020	Pace	**1.3** J1	**302**	**302**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.26	<0.26	<0.17	Acetone **2.8** J1
	10/8/2020	Pace	**1.3** J1	**307**	**347**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	Acetone **3.7** J1
	4/9/2021	Pace	**0.88** J1	**309**	**308**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/28/2021	Pace	**1.1** J1	**335**	**333**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND

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P-426D	6/3/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	8/12/2015	Pace	**21.5**	**337**	**405**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/9/2015	Pace	**59.6**	**369**	**499**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone **18.6** J
	4/8/2016	Pace	**27.7**	**331**	**408**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/7/2016	Pace	**55**	**362**	**532**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/7/2017	Pace	**37.0**	**349**	**413**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/27/2017	Pace	**44.4**	**334**	**480**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/6/2018	Pace	**43.9**	**349**	**499**	<0.37 L1	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/30/2018	Pace	**59.2**	**356**	**492**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	4/5/2019	Pace	**36.2**	**319**	**437**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	10/29/2019	Pace	**60.6**	**350**	**536**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **6.5** J1
	4/24/2020	Pace	**23.8**	**323**	**402**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	Acetone **3.4** J1
	10/8/2020	Pace	**48.0**	**352**	**528**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	Acetone **3.8** J1
	4/29/2021	Pace	**30.0**	**339**	**416**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/28/2021	Pace	**18.7**	**342**	**428**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
P-426SS	7/20/2021	Pace	**21.4**	**352**	**475**	<1.4	<1.6	<0.30	<0.58	**0.77** J1	<0.53	<0.41	<0.32	<0.17	ND
	10/28/2021	Pace	**24.8**	**359**	**481**	<1.4	<1.6	<0.30	<0.58	**1.7**	<0.53	<0.41	<0.32	<0.17	ND
P-429SS	11/30/2017	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	2/1/2018	Pace	**1.3** J	**318**	**322**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/25/2018	Pace	**1.1** J1	**313**	**314**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	1/9/2019	Pace	**2.5**	**296**	**320**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **4.3** J
	4/26/2019	Pace	**1.2** J	**317**	**328**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **40.8**
	10/29/2019	Pace	**1.5** J1,B	**306** M0	**336**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **11.9** J1
	4/27/2020	Pace	**1.4** J1	**310**	**319**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	Acetone **2.9** J1
	10/9/2020	Pace	**1.9** J1	**317**	**340**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	ND
	4/29/2021	Pace	**1.1** J1	**318**	**324**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/28/2021	Pace	**1.7J**1	**329**	**355**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2021
Land and Gas Reclamation Landfill / File No. 25221008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-430D	7/20/2021	Pace	**21.2**	**357**	**409**	<1.4	<1.6	<0.30	<0.58	**11.8**	**0.81** J1	<0.41	<0.32	<0.17	ND
	10/28/2021	Pace	**21.2**	**360**	**388**	<1.4	<1.6	<0.30	<0.58	**13.0**	**0.81** J1	<0.41	<0.32	<0.17	ND
Trip Blank	1/22/2010	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	2/24/2010	TA	--	--	--	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	ND
	2/24/2010	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	11/29/2010	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	12/16/2010	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	10/6/2011	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	10/7/2011	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	4/13/2012	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	10/4/2012	Pace	--	--	--	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	10/5/2012	Pace	--	--	--	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	Methylene Chloride **1.0** Acetone **6.8 J**
	12/17/2012	Pace	--	--	--	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	10/3/2013	Pace	--	--	--	<0.44	<0.39	<0.28	<0.43	<0.42	<0.37	<0.47	<0.36	<0.18	ND
	4/7/2014	Pace	--	--	--	<0.37	<0.50	<0.16	<0.41	<0.26	<0.24	<0.50	<0.33	<0.18	Methylene Chloride **0.25** J
	10/15/2014	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/17/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone **8.5** J
	6/3/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	8/12/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Methylene Chloride **0.28** J
	10/9/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/7/2016	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/8/2016	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/5/2017	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2021
Land and Gas Reclamation Landfill / File No. 25221008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
Trip Blank (cont.)	4/6/2018	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	4/25/2018	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	10/5/2018	Pace	--	--	--	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND	
	10/30/2018	Pace	--	--	--	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND	
	4/4/2019	Pace	--	--	--	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND	
	4/26/2019	Pace	--	--	--	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND	
	4/29/2021	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	Methylene Chloride	**0.37** J1
	7/20/2021	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	10/8/2021	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
NR 140 Groundwater Enforcement Standard			250	NS	NS	400	30	850	7	70	100	5	5	0.2	1,4 Dichlorobenzene	75
															Acetone	9,000
															Carbon Disulfide	1,000
															Chloroform	6
															Methylene Chloride	5
															Tetrahydrofuran	50
															Toluene	800
															Xylenes	2,000
NR 140 Preventive Action Limit			125	NS	NS	80	3	85	0.7	7	20	0.5	0.5	0.02	1,4 Dichlorobenzene	15
															Acetone	1,800
															Carbon Disulfide	200
															Chloroform	0.6
															Methylene Chloride	0.5
															Tetrahydrofuran	10
															Toluene	160
															Xylenes	400

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2021
Land and Gas Reclamation Landfill / File No. 25221008.02

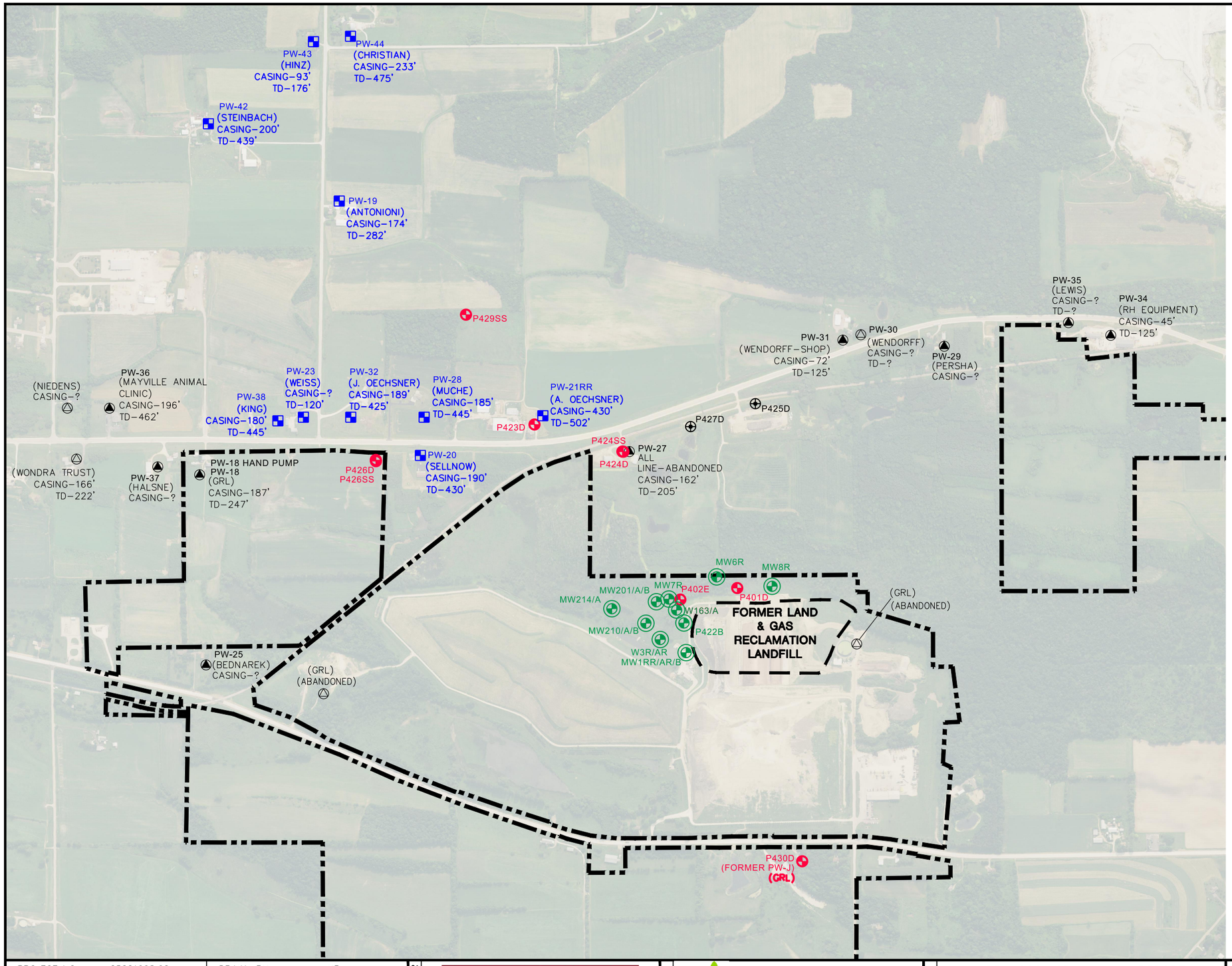
Abbreviations:
ND = Not detected
NS = No standard established
mg/L = Milligrams per Liter
µg/L = Micrograms per Liter
Siemens = Siemens Water Technologies
TA = TestAmerica, Watertown, WI
Pace = Pace Analytical Services, Inc., Green Bay, WI
-- = Not Analyzed

Bold indicates detected compound.
Bold and underline indicates result above drinking water standard.

Lab Notes/Qualifiers:
B = Analyte was detected in the associated method blank.
CSH = Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
J = Estimated value below laboratory limit of quantitation.
J1 = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).
L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory contorl limits.
R1 = Relative Percent Difference value was outside control limits.

Created by:	MOB	Date:	9/5/2012
Last revision by:	AJR	Date:	1/18/2022
Checked by:	RM	Date:	1/20/2022
Proj Mgr QA/QC:	SCC	Date:	1/25/2022

Figures



N

1,000 0 1,000

SCALE: 1" = 1,000'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST (LGRL MONITORING/INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)

NOTES:

1. AERIAL PHOTOGRAPH FROM THE NATIONAL AGRICULTURE IMAGERY PROGRAM AND PUBLISHED BY THE USDA FSA AERIAL PHOTOGRAPHY FIELD OFFICE. DATE OF IMAGE IS OCTOBER 30, 2015.
2. PROPERTY BOUNDARIES ARE APPROXIMATE. PROPERTY INFORMATION OBTAINED FROM DODGE COUNTY LAND INFORMATION OFFICE ON FEBRUARY 6, 2020.
3. PRIVATE WELL LOCATIONS AND DEPTHS ARE APPROXIMATE BASED ON PLAT MAPS AND WELL LOGS.
4. WELL PW-27 AND BOREHOLES P425D AND P427D WERE ABANDONED IN APRIL 2016.
5. PW-J WAS HISTORICALLY MONITORED FOR GRL. OTHER GRL PRIVATE WELL SAMPLE LOCATIONS NOT SHOWN.

PROJECT NO.	25221008.02	DRAWN BY:	KP
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	02/07/2022	APPROVED BY:	EO 3/23/2022

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: APRIL 2021 SEMIANNUAL REPORT
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

MONITORING WELL AND PRIVATE WELL LOCATIONS

FIGURE 1

I:\25221008.02\Drawings\Well and Cross Section Locations.dwg, 2/7/2022 8:28:44 AM

N

800 0 800

SCALE: 1" = 800'

PW-19
(ANTONIONI)
CASING-174'
TD-282'

P429SS

PW-36
(MAYVILLE ANIMAL CLINIC)
CASING-196'
TD-462'

PW-38
(KING)
CASING-180'
TD-445'

PW-23
(WEISS)
CASING-?
TD-120'

PW-32
(J. OECHSNER)
CASING-189'
TD-425'

PW-28
(MUCHE)
CASING-185'
TD-445'

PW-21RR
(A. OECHSNER)
CASING-430'
TD-502'

P423D
(848.06)

PW-31
(WENDORFF-SHOP)
CASING-72'
TD-125'

PW-30
(WENDORFF)
CASING-?
TD-?

PW-29
(PERSHA)
CASING-?

PW-3
(LEWI
CASIN
TD-?

848.5

849.0

P425D

P427D

P424SS

PW-27
ALL LINE-ABANDONED
CASING-162'
TD-205'

P424D
(848.65)

849.5

PW-37
(HALSNE)
CASING-?

PW-18 HAND PUMP
PW-18
(GRL)
CASING-187'
TD-247'

(848.10)
P426D
P426SS

PW-20
(SELLNOW)
CASING-190'
TD-430'

850

855

P402E
(849.83)

P401D
(849.94)

(GRL)
(ABANDONED)

FORMER LAND & GAS RECLAMATION LANDFILL

860

865

870

875

880

885

PW-25
(BEDNAREK)
CASING-?

(GRL)
(ABANDONED)

P430D
(FORMER PW-J)
(GRL) (889.04)

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (849.25) — DOLOMITE GROUNDWATER ELEVATION
- DOLOMITE GROUNDWATER ELEVATION CONTOUR (0.5' INTERVAL)
- DOLOMITE GROUNDWATER ELEVATION CONTOUR (5' INTERVAL)

NOTES:

1. AERIAL PHOTOGRAPH FROM THE NATIONAL AGRICULTURE IMAGERY PROGRAM AND PUBLISHED BY THE USDA FSA AERIAL PHOTOGRAPHY FIELD OFFICE. DATE OF IMAGE IS OCTOBER 30, 2015.
2. PROPERTY BOUNDARIES ARE APPROXIMATE. PROPERTY INFORMATION OBTAINED FROM DODGE COUNTY LAND INFORMATION OFFICE ON FEBRUARY 6, 2020.
3. PRIVATE WELL LOCATIONS AND DEPTHS ARE APPROXIMATE BASED ON PLAT MAPS AND WELL LOGS.
4. WELL PW-27 AND BOREHOLES P425D AND P427D WERE ABANDONED IN APRIL 2016.
5. PW-J WAS HISTORICALLY MONITORED FOR GRL. OTHER GRL PRIVATE WELL SAMPLE LOCATIONS NOT SHOWN.
6. GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN ON JULY 20, 2021.

PROJECT NO.	25221008.02	DRAWN BY:	KP
DRAWN:	12/08/2021	CHECKED BY:	EO
REVISED:	02/14/2022	APPROVED BY:	EO 03/07/2022

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: GROUNDWATER STATUS UPDATE
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

DOLOMITE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – JULY 2021

FIGURE 2

I:\25221008.02\Drawings\BEDROCK WTBL (Dolomite).dwg, 3/7/2022 8:21:10 AM

N

800 0 800

SCALE: 1" = 800'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (849.94) — DOLOMITE GROUNDWATER ELEVATION
- DOLOMITE GROUNDWATER ELEVATION CONTOUR (0.5' INTERVAL)
- DOLOMITE GROUNDWATER ELEVATION CONTOUR (5' INTERVAL)

NOTES:

1. AERIAL PHOTOGRAPH FROM THE NATIONAL AGRICULTURE IMAGERY PROGRAM AND PUBLISHED BY THE USDA FSA AERIAL PHOTOGRAPHY FIELD OFFICE. DATE OF IMAGE IS OCTOBER 30, 2015.
2. PROPERTY BOUNDARIES ARE APPROXIMATE. PROPERTY INFORMATION OBTAINED FROM DODGE COUNTY LAND INFORMATION OFFICE ON FEBRUARY 6, 2020.
3. PRIVATE WELL LOCATIONS AND DEPTHS ARE APPROXIMATE BASED ON PLAT MAPS AND WELL LOGS.
4. WELL PW-27 AND BOREHOLES P425D AND P427D WERE ABANDONED IN APRIL 2016.
5. PW-J WAS HISTORICALLY MONITORED FOR GRL. OTHER GRL PRIVATE WELL SAMPLE LOCATIONS NOT SHOWN.
6. GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN ON OCTOBER 4, 2021.

PW-19 (ANTONIONI) CASING-174' TD-282'
P429SS
PW-36 (MAYVILLE ANIMAL CLINIC) CASING-196' TD-462'
PW-38 (KING) CASING-180' TD-445'
PW-23 (WEISS) CASING-? TD-120'
PW-32 (J. OECHSNER) CASING-189' TD-425'
PW-28 (MUCHE) CASING-185' TD-445'
PW-21RR (A. OECHSNER) CASING-430' TD-502'
P423D (847.68)
PW-31 (WENDORFF-SHOP) CASING-72' TD-125'
PW-30 (WENDORFF) CASING-? TD-?
PW-29 (PERSHA) CASING-?
PW-3? (LEWI? CASIN TD-?
P425D
P427D
848.0
848.5
849.0
P424SS
P424D (848.20)
PW-27 ALL LINE-ABANDONED CASING-162' TD-205'
PW-37 (HALSNE) CASING-?
PW-18 HAND PUMP
PW-18 (GRL) CASING-187' TD-247'
(849.65) P426D P426SS
PW-20 (SELLNOW) CASING-190' TD-430'
P402E (849.23)
P401D (849.25)
850
855
860
865
870
875
880
885
FORMER LAND & GAS RECLAMATION LANDFILL
(GRL) (ABANDONED)
PW-25 (BEDNAREK) CASING-?
(GRL) (ABANDONED)
P430D (FORMER PW-J) (GRL) (887.89)

PROJECT NO.	25221008.02	DRAWN BY:	KP
DRAWN:	12/08/2021	CHECKED BY:	EO
REVISED:	03/07/2022	APPROVED BY:	EO 3/23/2022

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: GROUNDWATER STATUS UPDATE
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

DOLOMITE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – OCTOBER 2021

FIGURE 3

I:\25221008.02\Drawings\BEDROCK WTBL (Dolomite).dwg, 3/7/2022 8:20:07 AM

PW-19
(ANTONIONI)
CASING-174'
TD-282'

P429SS
(844.14)

845
846
847

PW-36
(MAYVILLE ANIMAL CLINIC)
CASING-196'
TD-462'

PW-38
(KING)
CASING-180'
TD-445'

PW-23
(WEISS)
CASING-?
TD-120'

PW-32
(J. OECHSNER)
CASING-189'
TD-425'

PW-35
(MUCHE)
CASING-185'
TD-445'

PW-21RR
(A. OECHSNER)
CASING-430'
TD-502'

P423D

(848.00)
P424SS
P424D

PW-27
ALL LINE-ABANDONED
CASING-162'
TD-205'

P427D

P425D

PW-31
(WENDORFF-SHOP)
CASING-72'
TD-125'

PW-30
(WENDORFF)
CASING-?
TD-?

PW-29
(PERSHA)
CASING-?

PW-3
(LEWI
CASIN
TD-?

PW-37
(HALSNE)
CASING-?

PW-18 HAND PUMP
PW-18
(GRL)
CASING-187'
TD-247'

P426D
P426SS
(845.65)

PW-20
(SELLNOW)
CASING-190'
TD-430'

P402E

P401D

(GRL)
(ABANDONED)

FORMER LAND & GAS RECLAMATION LANDFILL

PW-25
(BEDNAREK)
CASING-?

(GRL)
(ABANDONED)

PW-J/P430D
(GFL)

N

800 0 800

SCALE: 1" = 800'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (849.25) — SANDSTONE GROUNDWATER ELEVATION
- SANDSTONE GROUNDWATER ELEVATION CONTOUR (1' INTERVAL)

NOTES:

1. AERIAL PHOTOGRAPH FROM THE NATIONAL AGRICULTURE IMAGERY PROGRAM AND PUBLISHED BY THE USDA FSA AERIAL PHOTOGRAPHY FIELD OFFICE. DATE OF IMAGE IS OCTOBER 30, 2015.
2. PROPERTY BOUNDARIES ARE APPROXIMATE. PROPERTY INFORMATION OBTAINED FROM DODGE COUNTY LAND INFORMATION OFFICE ON FEBRUARY 6, 2020.
3. PRIVATE WELL LOCATIONS AND DEPTHS ARE APPROXIMATE BASED ON PLAT MAPS AND WELL LOGS.
4. WELL PW-27 AND BOREHOLES P425D AND P427D WERE ABANDONED IN APRIL 2016.
5. PW-J WAS HISTORICALLY MONITORED FOR GRL. OTHER GRL PRIVATE WELL SAMPLE LOCATIONS NOT SHOWN.
6. GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN ON JULY 20, 2021.

PROJECT NO.	25221008.02	DRAWN BY:	KP
DRAWN:	12/08/2021	CHECKED BY:	EO
REVISED:	12/08/2021	APPROVED BY:	EO 3/23/2022

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

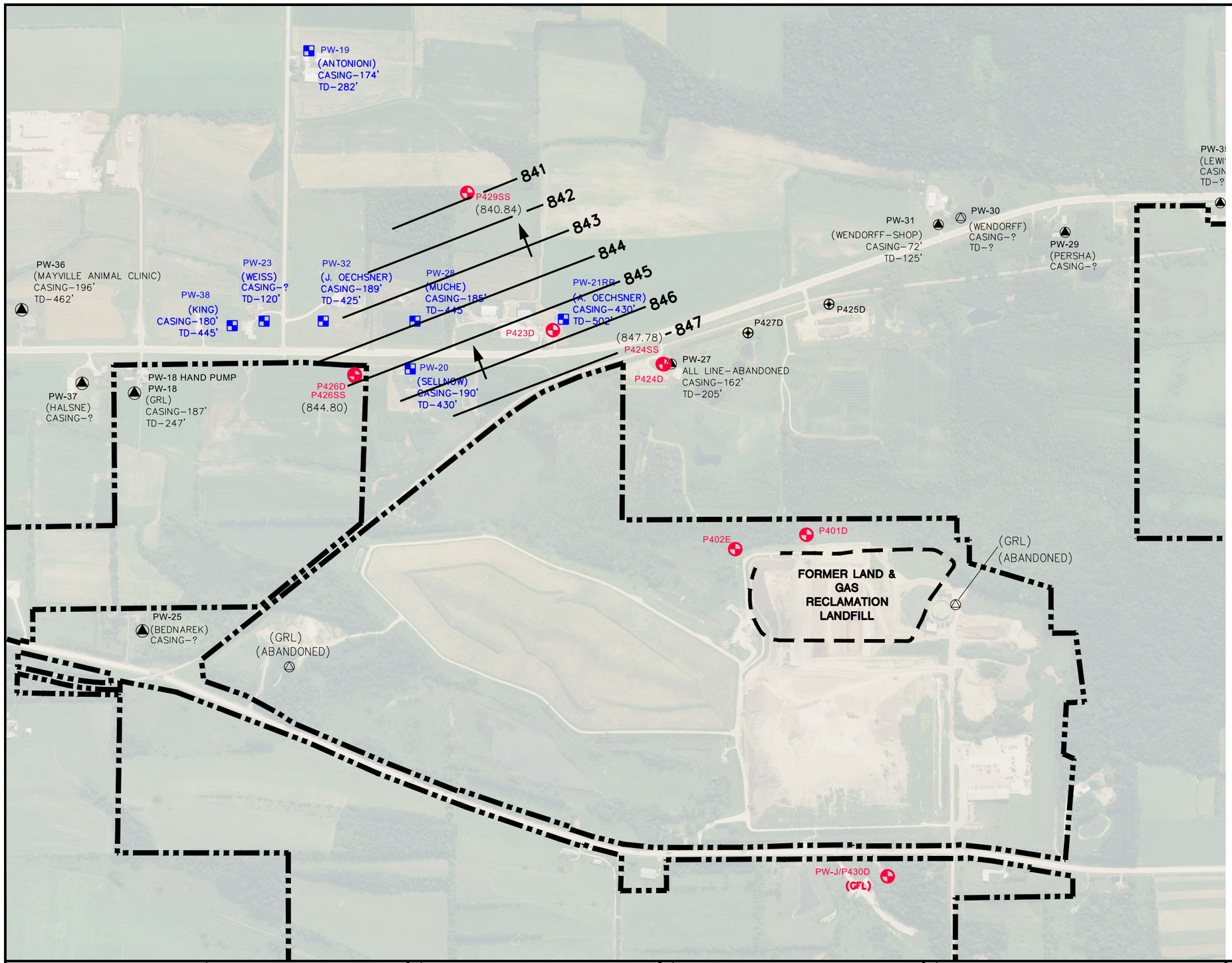
CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: GROUNDWATER STATUS UPDATE
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

SANDSTONE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – JULY 2021

FIGURE 4

I:\25221008.02\Drawings\BEDROCK WTBL (Sandstone).dwg, 12/8/2021 2:54:27 PM



N

800 0 800

SCALE: 1" = 800'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (849.94) — SANDSTONE GROUNDWATER ELEVATION
- SANDSTONE GROUNDWATER ELEVATION CONTOUR (1' INTERVAL)

NOTES:

1. AERIAL PHOTOGRAPH FROM THE NATIONAL AGRICULTURE IMAGERY PROGRAM AND PUBLISHED BY THE USDA FSA AERIAL PHOTOGRAPHY FIELD OFFICE. DATE OF IMAGE IS OCTOBER 30, 2015.
2. PROPERTY BOUNDARIES ARE APPROXIMATE. PROPERTY INFORMATION OBTAINED FROM DODGE COUNTY LAND INFORMATION OFFICE ON FEBRUARY 6, 2020.
3. PRIVATE WELL LOCATIONS AND DEPTHS ARE APPROXIMATE BASED ON PLAT MAPS AND WELL LOGS.
4. WELL PW-27 AND BOREHOLES P425D AND P427D WERE ABANDONED IN APRIL 2016.
5. PW-J WAS HISTORICALLY MONITORED FOR GRL. OTHER GRL PRIVATE WELL SAMPLE LOCATIONS NOT SHOWN.
6. GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN ON OCTOBER 4, 2021.

PROJECT NO.	25221008.02	DRAWN BY:	KP
DRAWN:	12/08/2021	CHECKED BY:	EO
REVISED:	12/08/2021	APPROVED BY:	EO 3/23/2022

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: GROUNDWATER STATUS UPDATE
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

SANDSTONE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – OCTOBER 2021

FIGURE 5

I:\25221008.02\Drawings\BEDROCK WTBL (Sandstone).dwg, 12/8/2021 3:08:17 PM

Attachment A

Boring Logs and Well Construction and Development Forms

MAR 0 1973

FEB - 8 1973

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

COUNTY: Dodge

CHECK ONE: ☑ Town ☐ Village ☐ City

NAME: Williamstown

2. LOCATION – ¼ Section: SE SE | Section: 34 | Township: 12N | Range: 16E

OR – Grid or street no. | Street name:

AND – If available subdivision name, lot & block no.

3. OWNER AT TIME OF DRILLING: Eugene Fischer

ADDRESS: R 2

POST OFFICE: Mayville 53050

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
18	None		40			18	44	

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
	18	60	None	None	None	None		None	None

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.): Controlled dump

5. Well is intended to supply water for: Farm

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	35	8	35	150
6"	150	250			

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
8"	Plain end	Surface	150
280	Wall		
18	Gr. ft.		

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Hard Pan	Surface	20
Limestone bolders	20	35
Soft Blue Clay	35	90
Mixed layers soft	90	145
& Hard pan		
Limerock	145	250

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Backfill	Surface	7
Cement Grout	7	150

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☐ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on: Feb. 21 19 73

11. MISCELLANEOUS DATA

Yield test: 27 Hrs. at 15 GPM

Depth from surface to normal water level: 70 ft.

Depth to water level when pumping: 75 ft.

Well is terminated: 10 inches ☑ above ☐ below final grade

Well disinfected upon completion: ☑ Yes ☐ No

Well sealed watertight upon completion: ☑ Yes ☐ No

Water sample sent to: Madison laboratory on: Feb. 28 1973

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: [signature] & Registered Well Driller

COMPLETE MAIL ADDRESS: R 1 Box 31 Mayville Wis 53050

Please do not write in space below

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS
5430				

REV. 3–71

J

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☒ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Dodge		

Latitude / Longitude (see instructions)	Format Code	Method Code
43.459368 N	☒ DD	☐ GPS008
-88.562194 W	☐ DDM	☒ SCR002
		☐ OTH001

¼ / ¼ SE	¼ SE	Section	Township	Range
or Gov't Lot #		34	12 N	16 ☒ E ☐ W

Well Street Address: N7351 County Road V

Well City, Village or Town	Well ZIP Code
Village of Kekoskee	53050

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Converted to Monitoring Well P-430D	WC183

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☒ Water Well
☐ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 2/21/1973

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Cable tool

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
250	6

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
6	150

Was well annular space grouted? ☒ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
150	60

2. Facility / Owner Information

Facility Name: Land and Gas Reclamation Landfill

Facility ID (FID or PWS): 114052290

License/Permit/Monitoring #: 01118

Original Well Owner: Eugene Fischer

Present Well Owner: Glacier Ridge Landfill, LLC

Mailing Address of Present Owner: N7296 County Road V

City of Present Owner	State	ZIP Code
Horicon	WI	53032

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☒ Yes	☐ No	☐ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☐ Yes	☒ No	☐ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials: High Solids Bentonite Grout
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☒ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
High solids bentonite grout	Surface	189.5	10 sacks	9.5 lb/gallon
Monitoring well filter pack and seal	189.5	217	5.5 bags sand + 2 bags chips	NA
Bentonite Chips	217	250	7 sacks	NA

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
Dan Steffes/Badger Well Drilling	6109	5/13/21

Street or Route	Telephone Number
N7900 Locust Lane	(715) 75304520

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Mt. Calvary	WI	53057	EO for Dan Steffes	7/1/21

DNR Use Only

Date Received	Noted By

Comments:

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name Land & Gas Reclamation LF	**Local Grid Location of Well** 800.79 ft. ☒N. ☐S. 2849.43 ft. ☒E. ☐W.	**Well Name** P-430D
Facility License, Permit or Monitoring No. 01118	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☒ Lat. 42° 27' 33.11574" Long. 88° 33' 43.50333" or	**Wis. Unique Well No.** WC183 / **DNR Well ID No.** ____
Facility ID 11405229O	St. Plane ____ ft. N, ____ ft. E. S/C/N	**Date Well Installed** 05/04/2021 (m m d d y y y y)
Type of Well Well Code 12 / PZ	**Section Location of Waste/Source** ____ 1/4 of ____ 1/4 of Sec. ____, T. ____ N, R. ____ ☐E ☐W	**Well Installed By: Name (first, last) and Firm** Dan Steffes / Badger Well Drilling
Distance from Waste/ Source ____ ft. / **Enf. Stds. Apply** ☒	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☒ Not Known	**Gov. Lot Number** ____

A. Protective pipe, top elevation 956.47 ft. MSL

B. Well casing, top elevation 956.84 ft. MSL

C. Land surface elevation 953.71 ft. MSL

D. Surface seal, bottom ____ ft. MSL or 150 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Other ☒ — Cable Tool

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☐ 99

16. Drilling additives used? ☐ Yes ☐ No

Describe ____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top ____ ft. MSL or 189.5 ft.

F. Fine sand, top ____ ft. MSL or 198 ft.

G. Filter pack, top ____ ft. MSL or 200 ft.

H. Screen joint, top ____ ft. MSL or 205 ft.

I. Well bottom ____ ft. MSL or 215 ft.

J. Filter pack, bottom ____ ft. MSL or 217 ft.

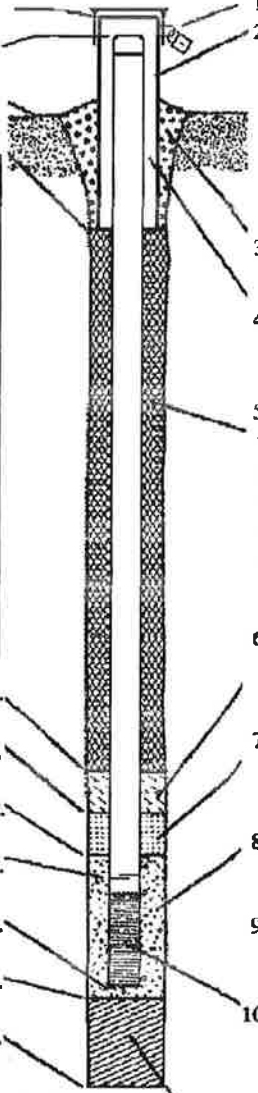
K. Borehole, bottom ____ ft. MSL or 245 ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 1.9 in.

monitoring well converted from a water supply well originally installed in 1973



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 6.0 in.
b. Length: 150 ft.
c. Material: Steel ☒ 04 / Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____

3. Surface seal: ~~Bentonite~~ ☐ 30 / Concrete ☒ 01 / Other ☐ ____

4. Material between well casing and protective pipe:
Bentonite ☒ 30 / Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. 9.5 Lbs/gal mud weight . . . . . Bentonite slurry ☒ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 36 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☒ 02 / Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15
b. Volume added 0.25 ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 3 ft³

9. Well casing: Flush threaded PVC schedule 40 ☐ 23 / Flush threaded PVC schedule 80 ☒ 24 / Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ____
b. Manufacturer Environmental Mfg. Inc.
c. Slot size: 0.010 in.
d. Slotted length: 19 ft.

11. Backfill material (below filter pack): None ☐ 14 / Other ☒ Bentonite Chips

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ____ Firm SCS Engineers

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Land & Gas Reclamation Landfill	Dodge	P-4300

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
01118	14	WC183	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ __

3. Time spent developing well 80 min.

4. Depth of well (from top of well casisng) 218.5 ft.

5. Inside diameter of well 1.94 in.

6. Volume of water in filter pack and well casing 110. gal.

7. Volume of water removed from well 112.5 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 65.17 ft.	NM. ft.
Date	b. 06/03/2021 (m m d d y y y y)	06/03/2021 (m m d d y y y y)
Time	c. 11:50 ☒ a.m. ☐ p.m.	01:10 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0. inches	0. inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☒ 20 Turbid ☐ 25
	(Describe) Slightly turbid black	(Describe) clear

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Zach Last Name: Watson
Firm: SCS Engineers

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Jake Last Name: Margelofsky
Facility/Firm: Glacier Ridge Landfill, LLC
Street: N 7296 County Road V
City/State/Zip: Horicon, WI 53032

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Eric Oelkers
Print Name: ~~SCS~~ Eric Oelkers
Firm: SCS Engineers

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION
Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☒ Other ☐ _____

Page 1 of 1

Facility/Project Name: Land and Gas Reclamation Landfill	License/Permit/Monitoring Number: 01118	Boring Number: P-426SS
Boring Drilled By: Name of crew chief (first, last) and Firm — First Name: Dan Last Name: Steffes — Firm: Badger Well Drilling	Date Drilling Started: 05/10/2021	Date Drilling Completed: 05/11/2021 — Drilling Method: Rotary (air)
WI Unique Well No.: WC182 — DNR Well ID No.: — Well Name: P-426SS	Final Static Water Level: _____ Feet MSL	Surface Elevation: 954.3 Feet MSL — Borehole Diameter: 6 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ — State Plane _____ N, _____ E — NW 1/4 of NE 1/4 of Section 35, T 12 N, R 16E	Lat ° ' " — Long ° ' "	Local Grid Location: ☒ N 5010.93 Feet ☐ S — ☒ E 6863.16 Feet ☐ W
Facility ID	County: Dodge — County Code: 14	Civil Town/City/ or Village: Town of Williamstown

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
				0 to 63' Silty sand, light brownish gray, fine to medium with subrounded gravel 63 to 410' to Dolomite rock (Sinnipee Group)gray/brown 410-435' Sandstone rock										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Eric Tolkan — Firm: SCS Engineers

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SCS # 25221008.02

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name Land & Gas Reclamation Landfill	**Local Grid Location of Well** ☒ N. ☐ S. 5010.93 ft. ☒ E. ☐ W. 6863.15 ft.	**Well Name** P-426SS
Facility License, Permit or Monitoring No. 1118	**Local Grid Origin** ☐ (estimated: ☐) or **Well Location** ☒ Lat. 43° 28' 13.5570" Long. 88° 32' 48.18282" or	**Wis. Unique Well No.** WC182 — **DNR Well ID No.**
Facility ID 114052290	**St. Plane** ft. N, ft. E. S/C/N	**Date Well Installed** 05 / 13 / 2021 (m m d d y y y y)
Type of Well Well Code 12 / PZ	**Section Location of Waste/Source** NW 1/4 of NE 1/4 of Sec. 35, T. 12 N, R. 16 ☒ E ☐ W	**Well Installed By: Name (first, last) and Firm** Dan Steffes Badger Well Drilling
Distance from Waste/ Source 3,500 ft. — **Enf. Stds. Apply** ☒	**Location of Well Relative to Waste/Source** u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known — **Gov. Lot Number**	

A. Protective pipe, top elevation 954.29 ft. MSL

B. Well casing, top elevation 954.65 ft. MSL

C. Land surface elevation 952.41 ft. MSL

D. Surface seal, bottom ft. MSL or 3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☒

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☒ 50 — Hollow Stem Auger ☐ 41 — Other ☐

15. Drilling fluid used: Water ☒ 02 — Air ☒ 01 — Drilling Mud ☐ 03 — None ☐ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe

17. Source of water (attach analysis, if required):
Badger Well Shop

E. Bentonite seal, top ft. MSL or 402 ft.

F. Fine sand, top ft. MSL or 408 ft.

G. Filter pack, top ft. MSL or 410 ft.

H. Screen joint, top ft. MSL or 413 ft.

I. Well bottom ft. MSL or 433 ft.

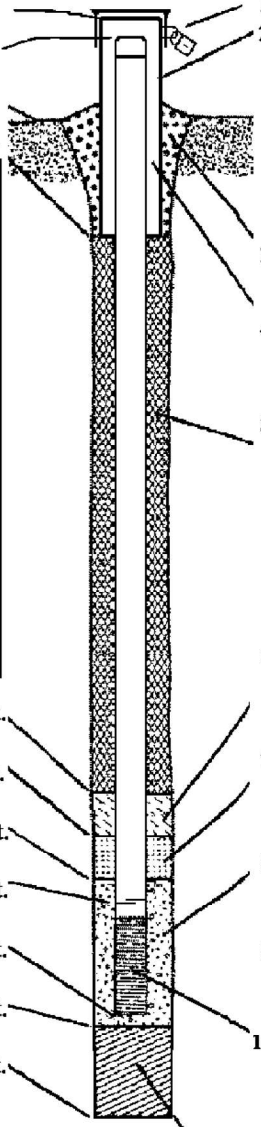
J. Filter pack, bottom ft. MSL or 433 ft.

K. Borehole, bottom ft. MSL or 435 ft.

L. Borehole, diameter 6 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 4.0 in.
b. Length: 5.0 ft.
c. Material: Steel ☒ 04 — Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:

3. Surface seal: Bentonite ☐ 30 — Concrete ☐ 01 — Other ☒
Filter Sand

4. Material between well casing and protective pipe: Bentonite ☐ 30 — Other ☒
Filter Sand

5. Annular space seal: a. Granular/Chipped Bentonite ☐ 33
b. Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. 9.5 Lbs/gal mud weight . . . . . Bentonite slurry ☒ 31
d. % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 18 bags Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 — Tremie pumped ☒ 02 — Gravity ☐ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint Sand & Gravel #10 ☐
b. Volume added 0.5 ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint Sand & Gravel #40 ☐
b. Volume added 3.5 ft³

9. Well casing: Flush threaded PVC schedule 40 ☐ 23 — Flush threaded PVC schedule 80 ☒ 24 — Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 — Continuous slot ☐ 01 — Other ☐
b. Manufacturer Johnson Screens
c. Slot size: 0.010 in.
d. Slotted length: 20.0 ft.

11. Backfill material (below filter pack): None ☒ 14 — Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Land & Gas Reclamation Landfill	Dodge	P-42655

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
01118	14	WC182	___

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ ___

3. Time spent developing well ___110___ min.

4. Depth of well (from top of well casisng) 434.5 ft.

5. Inside diameter of well ___1.94___ in.

6. Volume of water in filter pack and well casing 170.__ gal.

7. Volume of water removed from well 170.__ gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 103.40 ft.	NM. ft.
Date	b. 06/03/2021 (m m d d y y y y)	06/03/2021 (m m d d y y y y)
Time	c. 09:00 ☒ a.m. ☐ p.m.	10:50 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0. inches	0. inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Zach Last Name: Watson
Firm: SCS Engineers

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Jake Last Name: Margelofsky
Facility/Firm: Glacier Ridge Landfill, LLC
Street: N7296 County Road V
City/State/Zip: Horicon, WI 53032

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Eric Oelkers
Print Name: Eric Oelkers
Firm: SCS Engineers

NOTE: See instructions for more information including a list of county codes and well type codes.