

# ENVIRONMENTAL SAMPLING CORPORATION

*Dedicated to Environmental Monitoring, Science & Technology*

July 27, 2021

Ms. Beth Stroik  
Milwaukee Metropolitan Sewerage District  
Industrial Waste Department  
260 West Seeboth Street  
Milwaukee, WI 53204

**Re: Emerald Park Landfill, LLC  
Wastewater Discharge Permit No. 8.07  
Periodic Compliance Report – Second Quarter 2021**

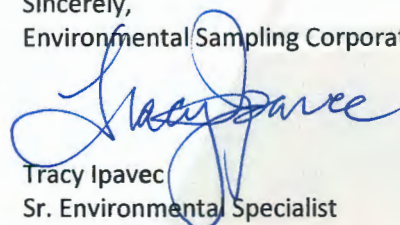
Dear Ms. Stroik:

On behalf of Emerald Park Landfill (EPL), Environmental Sampling Corporation is submitting the Second Quarter 2021 Periodic Compliance Report. This compliance report is being submitted in accordance with Part 3.01 of the current facility discharge permit. During this monitoring period, one spilt sample was collected in conjunction with the MMSD sampling event on April 29, 2021. The annual sample was collected on June 22, 2021, and the annual 4-day BOD/TSS samples were collected on June 22-25, 2021. There were no exceedances of the discharge permit limits. No additional monitoring was required during the reporting period in accordance with Discharge Permit 8.07.

As required by Part 3.01 subpart (2), this periodic compliance report contains the average and maximum flow rates. Also included, as required by Part 3.02, is a summary of the wastewater volumes hauled off-site for disposal during Second Quarter 2021.

This information satisfies the reporting requirements for the Second Quarter 2021 discharge period. If you have any questions or comments regarding this submittal, please contact Dan Otzelberger of Emerald Park Landfill at (414) 788-1281 or the undersigned at (414) 427-5033.

Sincerely,  
Environmental Sampling Corporation



Tracy Ipavec  
Sr. Environmental Specialist

Enclosures

cc: Dan Otzelberger – EPL (electronic copy)  
Tim Curry – GFL Environmental-Midwest (electronic copy)  
Kari Rabideau – GFL Environmental-Midwest (electronic copy)  
EPL File Copy  
Mark Torresani – Tetra Tech (electronic copy)  
Nick Dykstra – Tetra Tech (electronic copy)  
EPL Standing Committee (electronic copy)  
Jo Spear – JSA Environmental (electronic copy)  
Frank Perugini – ESC (electronic copy)



**Emerald Park Landfill, LLC  
Wastewater Discharge Permit No. 8.07  
Periodic Compliance Report – Second Quarter 2021**

**Certification:**

*To the best of my knowledge, my facility does not discharge the pollutants prohibited by sec. 11.202(13), MMSD Rules, at levels above the limits established in sec. 1.02, MMSD Wastewater Discharge Permit 5515.08. My knowledge is based upon historical sampling of my facility's wastewater discharge, and my understanding of the processes, activities, and operations at my facility.*

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

A handwritten signature in black ink, appearing to read 'Daniel Otzelberger', written over a horizontal line.

Signature

7-26-21

Date

Daniel Otzelberger

Print Name

Landfill General Manager II

Title

**Periodic Compliance Report**

**Wastewater Discharge Permit                     No. 8.07**

Facility Name: Emerald Park Landfill  
 Street Address: W124 S10629 S. 124th Street  
 City and Zip Code: Muskego, WI 53150

**Outfall 1.0**

	Pollutant	Results (mg/L)	Sample Type	Starting Date and Time	Ending Date and Time	Sample Collector	Analytical Method	Analyst (Lab)
<b>MMSD Split</b>	Arsenic	0.348	Comp.	4/28/21 8:20	4/29/21 8:25	FP (ESC)	EPA 6010	TXW (Pace-GB)
	Nickel	0.644	Comp.	4/28/21 8:20	4/29/21 8:25	FP (ESC)	EPA 6010	TXW (Pace-GB)
	Zinc	0.735 J	Comp.	4/28/21 8:20	4/29/21 8:25	FP (ESC)	EPA 6010	TXW (Pace-GB)
	TSS	81	Comp.	4/28/21 8:20	4/29/21 8:25	FP (ESC)	EPA 2540D	HNT (Pace-GB)
	BOD	4,170	Comp.	4/28/21 8:20	4/29/21 8:25	FP (ESC)	EPA 5210B	JXM (Pace-GB)
	PCBs	<0.0011	Comp.	4/28/21 8:20	4/29/21 8:25	FP (ESC)	EPA 8082	BLM (Pace-GB)
<b>Annual Sample</b>	BOD	8,400 *	Comp.	6/21/21 9:15	6/22/21 9:00	JT (ESC)	SM 5210B	HNT (Pace-GB)
		5,230 *	Comp.	6/22/21 9:15	6/23/21 9:10	SF (ESC)	SM 5210B	HNT (Pace-GB)
		2,540	Comp.	6/23/21 9:45	6/24/21 9:30	JT (ESC)	SM 5210B	HNT (Pace-GB)
		<2,000	Comp.	6/24/21 9:45	6/25/21 9:45	JT (ESC)	SM 5210B	HNT (Pace-GB)
	TSS	64.5	Comp.	6/21/21 9:15	6/22/21 9:00	JT (ESC)	SM 2540D	EXM (Pace-GB)
		65.9	Comp.	6/22/21 9:15	6/23/21 9:10	SF (ESC)	SM 2540D	EXM (Pace-GB)
		64.8	Comp.	6/23/21 9:45	6/24/21 9:30	JT (ESC)	SM 2540D	EXM (Pace-GB)
		75.2	Comp.	6/24/21 9:45	6/25/21 9:45	JT (ESC)	SM 2540D	EXM (Pace-GB)
	PCBs	<0.0011	Comp.	6/21/21 9:15	6/22/21 9:00	JT (ESC)	EPA 8082	BLM (Pace-GB)
	Arsenic	0.437	Comp.	6/21/21 9:15	6/22/21 9:00	JT (ESC)	EPA 6010	TXW/CKV (Pace-GB)
	Nickel	0.572	Comp.	6/21/21 9:15	6/22/21 9:00	JT (ESC)	EPA 6010	TXW/CKV (Pace-GB)
	Zinc	0.152 J	Comp.	6/21/21 9:15	6/22/21 9:00	JT (ESC)	EPA 6010	TXW/CKV (Pace-GB)

Note:  
 \* - Result value was less than the reporting limit multiplied by the dilution factor. The 06/21/21 and 6/22/21 values were <10,000 mg/L and <6,000 mg/L, respectively.

Laboratory Name Pace Analytical Services, Inc.

DNR Certification Number 405132750

Long-term Average and Maximum Process Wastewater Daily Flow Rates

From 4/1/2021 To 6/30/2021  
Beginning Date Ending Date

Average Daily Flow Rate 35,000 Gallons per day  
 Maximum Daily Flow Rate 71,000 Gallons per day

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**Calculations:**

<b>Outfall 1.0 Flow</b>		
<b>Month-Yr</b>	<b>Gallons</b>	<b>Days of Discharge</b>
Apr-21	1,150,000	30
May-21	1,012,000	30
Jun-21	898,000	28
<b>Total</b>	<b>3,060,000</b>	<b>88</b>

Total flow (04/01/21 - 06/30/21): 3,060,000 gallons  
 Days of discharge: 88 days

Avg. Daily Flow Rate =  $\frac{\text{Total flow (gal)}}{\text{Days of discharge}} = \frac{3,060,000 \text{ gal.}}{88 \text{ days}} = 34,773 \text{ gal/day}$

Estimate at: 35,000 gal/day

Note:  
 Flow data was provided by the City of Muskego Department of Public Works (DPW) and is recorded in thousand gallons. The average daily flow rate is estimated in thousand gallons for this submittal.

**Domestic Wastewater and Process Wastewater (Leachate):**

<b>Outfall 1.0 Flow</b>	
<b>Q2-21</b>	<b>Gallons</b>
Total Wastewater Discharged	3,060,000
Estimated Domestic Wastewater	30,000
Estimated Process Wastewater (Leachate)	3,030,000

Note:  
 The quarterly domestic wastewater discharged during second quarter 2021 was estimated based on the average domestic wastewater discharged during 2016, and the average quarterly domestic wastewater discharged during the first, second, and third quarters of 2007. The quarterly discharge volumes during the three 2007 quarters represent only domestic wastewater; no leachate was discharged to MMSD until fourth quarter 2007. Wastewater volumes are estimated in thousand gallons for this submittal.

