

April 1, 2024

Solid Waste Section
Department of Environmental Protection
South District Office
2295 Victoria Avenue, Suite 364
P.O. Box 2549
Fort Myers, Florida 33902-2549

Re: Bee Ridge Landfill – WACS Facility #51611
Permit Number: 40049-004-SF/14
March 2024 Hydraulic Gradient Monitoring Report

To Whom It May Concern:

Enclosed is the monthly Hydraulic Gradient Monitoring Report submitted in accordance with Section 2.4 of the Water Quality Monitoring Plan dated 11/11/2014, as incorporated into the Long-term Care Permit.

For this reporting period all locations have an inward gradient.

Please contact me if you have any questions at (941) 861-3033 or belopez@scgov.net.

Sincerely,

Ben Lopez
Technical Specialist II, Sarasota County Solid Waste

Enclosure

**Bee Ridge Landfill Hydraulic Gradient Monitoring
March 25, 2024**

	DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT		DTW/DOT
	MW-2S	MW-2S	PZ-2S	PZ-2S	Gradient	MW-5S	MW-5S	PZ-5S	PZ-5S	Gradient	MW-6S	MW-6S	PZ-6S	PZ-6S	Gradient	MW-7S	MW-7S	PZ-7S	PZ-7S	Gradient	MW-8S	MW-8S	PZ-8S	PZ-8S	Gradient
TOC	32.45		36.61			32.16		32.82			34.96		36.96			33.12		34.57			33.11		35.91		
TEL	16.29		12.94			16.78		11.76			14.62		13.08			13.88		10.70			13.09		11.88		
January	9.35	23.10	16.75	19.86	-3.24	7.87	24.29	13.72	19.10	-5.19	13.84	21.12	18.30	18.66	-2.46	13.55	19.57	16.02	18.55	-1.02	11.97	21.14	18.25	17.66	-3.48
February	7.98	24.47	16.54	20.07	-4.40	6.53	25.63	12.94	19.88	-5.75	12.95	22.01	18.23	18.73	-3.28	12.92	20.20	15.90	18.67	-1.53	10.04	23.07	18.24	17.67	-5.40
March	9.38	23.07	16.50	20.11	-2.96	7.49	24.27	7.69	19.45	-4.82	6.37	20.99	5.50	18.58	-2.41	13.62	19.50	15.91	18.66	-0.84	7.55	20.64	18.21	17.70	-2.94
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June																									
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	MW-9S(R)	MW-9S(R)	PZ-9S	PZ-9S	Gradient	MW-10S	MW-10S	PZ-10S	PZ-10S	Gradient	MW-11S	MW-11S	PZ-11S	PZ-11S	Gradient	MW-12S	MW-12S	PZ-12S	PZ-12S	Gradient	MW-13S	MW-13S	PZ-13S	PZ-13S	Gradient
TOC	31.86		33.84			33.85		35.08			37.74		38.44			37.33		37.11			35.90		38.16		
TEL	11.62		9.08			13.59		11.44			13.80		12.34			14.14		12.98			19.37		12.79		
January	14.16	17.70	16.89	16.95	-0.75	15.11	18.74	17.90	17.18	-1.56	18.84	18.90	19.92	18.52	-0.38	18.03	19.30	18.60	18.51	-0.79	7.48	28.42	19.18	18.98	-9.44
February	12.56	19.30	16.81	17.03	-2.27	13.79	20.06	17.85	17.23	-2.83	18.33	19.41	19.92	18.52	-0.89	17.48	19.85	18.55	18.56	-1.29	6.76	29.14	19.04	19.12	-10.02
March	6.13	17.75	17.01	16.83	-0.92	15.12	18.73	17.98	17.10	-1.63	18.77	18.97	19.84	18.60	-0.37	4.72	18.86	4.86	17.84	-1.02	9.09	28.46	19.09	19.07	-9.39
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	MW-14S	MW-14S	PZ-14S	PZ-14S	Gradient	MW-15S	MW-15S	PZ-15S	PZ-15S	Gradient	MW-16S(R)	MW-16S(R)	PZ-16S	PZ-16S	Gradient	MW-17S	MW-17S	PZ-17S	PZ-17S	Gradient					
TOC	32.93		34.85			33.22		37.33			33.60		34.85			33.15		34.55							
TEL	15.36		12.98			16.11		11.41			12.42		11.98			14.45		8.65							
January	13.57	19.36	16.34	18.51	-0.85	13.95	19.27	19.39	17.94	-1.33	15.78	17.82	17.35	17.50	-0.32	16.10	17.05	19.36	15.19	-1.86					
February	12.84	20.09	16.28	18.57	-1.52	12.01	21.21	19.22	18.11	-3.10	14.82	18.78	17.35	17.50	-1.28	15.77	17.38	19.31	15.24	-2.14					
March	3.72	19.08	5.47	18.45	-0.63	3.01	19.12	19.28	18.05	-1.07	6.37	18.79	5.37	17.35	-1.44	2.68	17.13	19.57	14.98	-2.15					
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MW and PZ water elevations shown. For this reporting period wells MW/PZ-2S, MW/PZ-7S, PZ-8S, PZ-9S, MW/PZ-10S, MW/PZ-11S, PZ-13S, PZ-15S, and PZ-17S were sampled manually

March 18, 2018 begin use of Water Depth Transducer Telemetry Data

TOC = Top of Well Casing Elevation; TEL = Water Level Transducer Elevation

DTW = Depth to Water from TOC; DOT = Depth of Water Over Water Level Transducer

Water Elevation = TEL + DOT or TOC - DTW, TEL + DOT used from March 2018 onward.

Negative gradient values indicate the presence of an inward hydraulic gradient.

Outward Gradient