

March 10, 2021
Parametrix No. 553-1550-067

Mr. Jerome Cruz, Project Manager
Washington State Department of Ecology
Toxics Cleanup Program
3190 160th Avenue SE
Bellevue, Washington 98008-5452

Re: South Park Landfill February 2021 Progress Report

Dear Jerome:

This letter report provides an explanation of actions taken during the month of February.

General Activities During February

- SPU notified Ecology in writing on July 20, 2020, of SPU's intent to delay the landfill cap improvements and any redevelopment of the old South Transfer Station for a minimum of 24 months. The delay is needed to evaluate the project and complete the design of the required landfill cap improvements while maintaining the most flexibility for future use of the site allowed under the consent decree.
- The Action Plan Memorandum, describing the process to update the various documents between SPU and Ecology is final. Ecology is finalizing the schedule and the SPU team is working hard to meet the current delivery dates of all documents.
- The old South Transfer Station seep area (compactor shed) is fenced off and locked and all safeguards are still in place.
- Because of re-occurring break-ins at the old South Transfer Station Household Hazardous Waste Facility, security fence improvements will be installed in early 2021. The improvements will require added fence posts.
- Solid Waste Operations and Household Hazardous Waste Collection continues on the SPU old South Transfer Station property.
- The blowers of the gas system and an overview of the SPPD property were checked weekly. The current tenants First Student and commercial trailer parking are active onsite.
- The 2021 first quarter compliance monitoring of the Settlement Area groundwater wells and perimeter landfill gas probes was completed.

Deviations from Samples, Required Tasks, CAP, or Schedule

There are no deviations to report.

Data Summary

The perimeter gas probes were monitored on February 22, 2021. The results are included on the attached gas probe monitoring field form. All concentrations were less than the 5 percent by volume regulatory action limit. Low levels of

methane were detected in probe GP-29 (2.0%). A trigger assessment was performed per the flowchart in the Landfill Gas Monitoring and Contingency Plan (Appendix A.2 of the Cleanup Action Plan). The landfill gas level at probe GP-29 has been shown to be previously protective and no further action is required.

Upcoming Activities

- Data validation of the lab results and vinyl chloride trigger assessment for the 2021 first quarter compliance monitoring event.
- Ongoing weekly inspections of the SPPD gas system.
- Finalize the 2020 cap inspection report after final review by property owners.
- Finalize the 2020 annual report and submit to Ecology.
- Draft CAP Amendment submitted to Ecology comments are due in March.
- Draft Interim Action Workplan for the SRDS Parcel submitted to Ecology, comments due in March.
- Fence upgrades near the Household Hazardous Waste Facility will be installed in the second Quarter 2021.

If you have any questions regarding this progress report, please do not hesitate to contact me.

Sincerely,



Laura B. Lee
Project Manager

cc: Jeff Neuner, SPU Landfill Closure Business Area Manager
Robert Howie, South Park Property Development LLC
Jeff Fowler, SPU, Solid Waste Line of Business Deputy Director
Susan Fife-Ferris, SPU, Solid Waste Line of Business/Solid Waste Planning Director
Megan J Joplin, SPU, Law Department, Attorney
Hui Yang, SPU, SRDS Redevelopment Project Manager
Lee Momon, SPU, Solid Waste Transfer Station Manager
Suzanne Hildreth, SPU, Solid Waste Transfer Station Manager
Aaron Werner, SPU, Project Management Division

Attachments

1. Perimeter Gas Probe Field Monitoring Results, First Quarter 2021



South Park Landfill

GAS PROBE MONITORING FIELD FORM

Sampling Organization: Parametrix

Project Number: 553-1550-067

Date: 2/22/2021

Field Personnel: J. Pham + C. Bourgeois

Gas Probe	Probe Diameter (ft)	Screened Interval (ft btoc)	Purge Volume (cc)	Purge Duration Purge rate = 550 ml/min (min)	Depth to Water (ft - btoc)	Pressure (in W.C.)	Time	CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)	H ₂ S (ppm)
GP-37	.063	2.8 to 7.8	868	1.57	-	0.0	11:12	0.0	1.5	19.6	0
GP-09	.063	6.62 to 10.62	899	1.63	10.71	0.0	12:12	0.0	6.4	13.4	0
GP-26	.063	4.62 to 9.62	868	1.57	6.88	0.0	12:00	0.0	1.4	20.1	0
GP-23	.167	6.05 to 7.05	4,940	8.98	6.34	0.0	11:48	0.0	0.2	21.4	0
GP-07	.063	5.75 to 6.25	519	0.94	Bottom	0.0	11:30	0.0	1.0	19.5	0
GP-27	.063	8.57 to 13.57	1,216	2.21	11.40	0.0	10:22	0.0	9.2	0.2	3
GP-28	.063	6.59 to 11.59	1,042	1.89	9.10	0.0	10:10	0.0	1.1	19.6	0
GP-29	.063	4.62 to 9.62	868	1.57	7.01	0.0	9:34	2.0	7.3	6.1	0
GP-16	.167	6.60 to 9	5,867	10.67	4.22	0.0	9:55	0.0	0.3	21.3	0
GP-31	.063	4.64 to 9.64	868	1.57	4.18	-	9:06	-	-	-	-
GP-15	.167	6.62 to 8.62	5,558	10.11	4.23	0	9:15	-	-	-	-
GP-32	.063	4.72 to 9.72	868	1.57	1.43	-	8:58	-	-	-	-
GP-03	.063	6.73 to 8.63	725	1.32	8.74	0.0	8:45	0.0	4.8	12.4	0
GP-13	.167	4.91 to 5.41	4,014	7.29	2.42	-	8:39	-	-	-	-
GP-11	.167	6.23 to 6.73	4,632	8.42	4.88	-	8:28	-	-	-	-
GP-38	.063	3.8 to 8.8	882	1.6	6.76	0.0	11:20	0.0	10.6	5.6	0
GP-33	.063	8.2 to 13.2	1,165	2.12	12.38	0.0	12:28	0.0	4.2	6.2	0

Comments: _____

Barometer ("Hg) (Start): 30.15

Barometer ("Hg) (Finish): 30.10

Temperature: _____

Weather: Overcast w/ light rain.

Equipment Used: GEM 500

Notes: Boots in GP-09 Page 1 of 1

from DOBA, Methane, or ALKs