

SENT VIA EMAIL

June 22, 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 May 2021 Progress Report

Dear Jerome:

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

General Activities During May

- 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 old South Transfer Station seep area (compactor shed) is fenced off and locked and all safeguards are still in place.
- In 2019 SPU had a contractor remove all identified asbestos containing materials on the buildings scheduled for demolition at SRDS. During the asbestos abatement PCB containing caulking was also removed and disposed of as PCB Bulk Product Waste along with the asbestos paneling it was on. As a precaution SPU tested the surficial soil around the building perimeter to ensure there are no residual PCB waste associated with the building. EPA Region 10 staff approved the sampling plan and sampling occurred in April. Test results were summarized in a report and submitted to EPA and Ecology in May.
- 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 Amazon vehicle parking are active onsite.
- The 2021 cap inspection was completed on April 22, 2021. A report summarizing the findings is underway and will be submitted to Ecology once it has been reviewed by SPU and SPPD.
- The 2021 second quarter compliance monitoring of the Settlement Area groundwater wells and perimeter landfill gas probes were completed the week of May 17, 2021.

Deviations from Samples, Required Tasks, CAP, or Schedule

There are no deviations to report.

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Data Summary

The perimeter gas probes were monitored on May 17, 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 (1.6%), GP-23 (0.1%), and GP-27 (0.6%). 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.

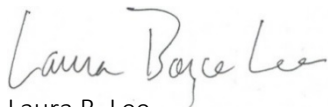
Upcoming Activities

- Ongoing weekly inspections of the SPPD gas system.
- A permit to construct an approximate 17,760 SF vehicle maintenance facility on SPPD property has been submitted to the City of Seattle. The project is in the final design stages.
- Submit a report summarizing the April 22nd cap inspection to SPU and SPPD for review. A final report will be submitted to Ecology after property owner review is complete.
- Data validation of the lab results and vinyl chloride trigger assessment for the 2021 second quarter compliance monitoring event.
- Respond to Ecology and others' comments on the redlined Clean Up Action Plan and the Updated IAWP.

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

Sincerely,

PARAMETRIX



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, Second Quarter 2021



South Park Landfill

GAS PROBE MONITORING FIELD FORM

Sampling Organization: Parametrix 5/17/21

Project Number: 553-1550-067

Date: 5/17/21

Field Personnel: C. Bourgeois A. Thom

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 ^{2.68}	DRY	-0.01	1311	0	9.9	6.7	0
GP-09	.063	6.62 to 10.62	899	1.63	11.12	+0.02	1331	0	6.3	14.0	0
GP-26	.063	4.62 to 9.62	868	1.57 ^{2.57}	11.95	+0.02	1416	0	2.2	18.2	0
GP-23	.167	6.05 to 7.05	4,940	8.98 ^{2.5}	DRY	-0.02	1353	0.1	6.7	13.5	0
GP-07	.063	5.75 to 6.25	519	0.94 ^{6.15}	DRY	+0.02	1437	0	11.9	18.3	0
GP-27	.063	8.57 to 13.57	1,216	2.21	12.14	-0.02	1242	0.6	9.2	4444	6
GP-28	.063	6.59 to 11.59	1,042	1.89	10.53	-0.01	1145	0	3.6	10.6	0
GP-29	.063	4.62 to 9.62	868	1.57	8.54	-0.02	1130	1.6	14.1	4444	17
GP-16	.167	6.60 to 9	5,867	10.67 ^{4.47}	DRY	-0.08	1059	0	0.5	20.8	0
GP-31	.063	4.64 to 9.64	868	1.57	5.06	+0.02	1648	0	7.1	11.4	0
GP-15	.167	6.62 to 8.62	5,558	10.11	2.20	+0.22	1021	0	5.5	7.7	0
GP-32	.063	4.72 to 9.72	868	1.57	2.34	-1.26	0952				
GP-03	.063	6.73 to 8.63	725	1.32 ^{9.1}	DRY	-0.01	0989	0.0	6.9	11.8	0.0
GP-13	.167	4.91 to 5.41	4,014	7.29	2.90	-3.86					
GP-11	.167	6.23 to 6.73	4,632	8.42	4.80	-0.23	8:17	0	1.3	20.5	0
GP-38	.063	3.8 to 8.8	882	1.6	8.59	-0.01	1303	0	13.3	3.5	0
GP-33	.063	8.2 to 13.2	1,165	2.12	13.59	-0.05	1645	0	4.7	8.2	0

- pump faster after 400s
- water came up after 21 min
- water came up after 2 min

Comments: _____

Barometer ("Hg) (Start): 29.89 @ 8:10

Barometer ("Hg) (Finish): 29.85 @ 1447

Temperature: 51° F

Weather: overcast

Equipment Used: Coen 5000+