Surface Methane Monitoring Annual Report 2021

SUBMITTED TO:



DTG Recycling Group

41 Rocky Top Road, Yakima, WA, 98908

SUBMITTED BY:



1100 Jadwin Avenue, Ste. 250, Richland, WA, 99352

January 10, 2022

INTRODUCTION

This report summarizes field activities and analytical results associated with the five quarterly surface methane monitoring events conducted December 9, 2020, through December 3, 2021, at the DTG Recycling Group landfill, located at 41 Rocky Top Road, in Yakima, Washington. Methane monitoring activities were conducted by Freestone Environmental Services (Freestone) on the following dates:

- December 9, 2020
- March 15, 2021
- June 11, 2021
- October 8, 2021
- December 3, 2021

Quarterly methane monitoring was conducted using a Landtec GEM[™] 5000 (GEM5000) instrument for the December 9, 2020 monitoring event and a SEM[™] 5000 (SEM5000) instrument for the four 2021 monitoring events. After the first quarterly monitoring event on December 9, 2020, Freestone switched from the GEM5000 to the SEM5000 instrument to achieve increased methane concentration sensitivity.

SUMMARY OF FIELD AND MONITORING ACTIVITIES

Prior to each quarterly surface monitoring event, a field check of the monitoring instrument was performed with a 1,250-ppm methane calibration gas. In addition, one fresh air reading was collected upwind of the landfill to determine the background methane concentration. The location of the background monitoring location is shown on Figure 1. The field check and background monitoring results for each quarterly methane monitoring event can be found in Table 1.

In accordance with the DTG Operations Plan, five (5) pre-determined locations within the perimeter of the landfill property boundary were monitored on December 9, 2020 and March 15, 2021 (Figure 1). Prior to the 2021 second quarter monitoring event, an additional ten (10) monitoring locations were added at the request of the Yakima Health district for a total of fifteen (15) monitoring locations within the perimeter of the landfill property boundary (Figure 1). The 15 locations were monitored during the June 11, 2021, October 8, 2021, and December 3, 2021, quarterly monitoring events. Results of the five monitoring events are presented in Table 1.

Monitoring was conducted by doing a surface sweep over the ground surface with the GEM5000 or SEM5000 instrument. The inlet of the instrument was positioned between 2 and 4 inches above ground surface.

A methane action level of 1,250 ppm has been established for the DTG site. According to the Operations Plan, locations with methane readings of 1,250 ppm will be marked and recorded on

the map. As shown in Table 1, the action level was not exceeded during any of the quarterly monitoring events.



Figure 1. Quarterly Surface Monitoring Locations

Table 1. Methane Monitoring Results

			ne Monitoring Results	
Date	Instrument	Time	Test/Location	Methane (ppm)
	GEM5000	0805	Background	0
		0806	1250 ppm calibration gas	1000
		0848	#1	0
12/09/2020		0812	#2	0
		0819	#3	0
		0825	#4	0
		0836	#5	0
	SEM5000	0813	Background	2.1
		0815	1250 ppm calibration gas	1250.3
		0820	#1	2.0
3/15/2021		0825	#2	2.0
		0829	#3	2.0
		0833	#4	2.1
		0839	#5	2.1
	SEM5000	0809	1250 ppm calibration gas	1255.0
	52 5555	0810	Background	2.4
		0822	#1	2.2
		0834	#2	2.2
		0838	#3	2.2
		0842	#4	2.3
		0845	#5	2.2
		0850	#6	2.2
6/11/2021		0855	#7	2.2
0/11/2021		0904	#8	2.6
		0904	#9	2.6
		0910	#10	2.6
		0913	#11	2.4
	•	0923	#12	2.4
	•		#13	2.2
		0945	#14	
	•	0935		2.2
	CENTE 000	0940	#15	2.2
	SEM5000	0810	Background	2.3
10/8/2021		0815	1250 ppm calibration gas	1030.0
		0825	#1	2.4
		0855	#2	2.2
		0900	#3	2.3
		0905	#4	2.3
		0910	#5	2.4
		0915	#6	2.1
		0920	#7	2.3
		0850	#8	2.3
		0930	#9	2.5
		0935	#10	2.5



December 9, 2021 HWA Project No. 2005-120 Task 2000

DTG Recycling Group 16504 9th Ave SE Suite 201 Mill Creek, WA 98012

Attention: Mr. John Martin

Subject: FIELD SAMPLING AND LABORATORY TESTING REPORT

ROAD AND WORK AREA SURFACE DUST SAMPLING AND TESTING

DTG/Yakima Limited Purpose Landfill

Yakima, Washington

Dear Mr. Martin.

In accordance with your request, HWA GeoSciences Inc. (HWA) performed field sampling and laboratory testing for the above referenced project. Herein we present a summary of our field activities and the results of our laboratory analyses. HWA conducted this sampling and testing program in accordance our scope based on procedures outlined in AP 42, Appendix C.1 and C.2, proposed and approved by DTG on November 18, 2021. The laboratory testing program was performed in general accordance with the guidelines in AP 42, Appendix C.2 and the appropriate ASTM Standards.

FIELD SAMPLING: Field samples were obtained at the Yakima Limited Purpose Landfill on November 30, 2021, by a geologist from HWA GeoSciences, Inc. Samples were obtained at five locations comprised of; three roadway locations (RS), and two work area surface (WAS) locations as shown on Figure A-1 in Appendix A. Each laboratory test sample consisted of a composite of 2 to 4 field samples obtained at each proposed test location. A field report describing activities during sampling at each location is presented in Appendix A along with photographs of selected site conditions during sampling. HWA conducted the field sampling under the observation of a representative of Yakima County Clean Air Agency.

SAMPLE INFORMATION: fifteen field samples were obtained to represent conditions at five locations consisting of either road surface or work area dust materials. Field samples were combined into five laboratory test samples representing surface dust material from each road surface(RS) and work area(WAS) and then split to test mass using a riffle-splitter in general accordance with ASTM D2013.

Based on manual-visual methods, the soils descriptions for the test samples are as follows:

RS-1	Brown, well-graded SAND with silt and gravel (SW-SM)
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- RS-2 Brown, well-graded SAND with gravel (SW)
- RS-3 Light yellowish brown, well-graded SAND with silt and gravel (SW-SM)
- WAS-1 Light yellowish brown, well-graded SAND with gravel (SW)
- WAS-2 Brown, well-graded SAND with gravel (SW)

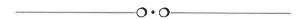
Testing Methodology

MOISTURE CONTENT OF SOIL: The moisture content of the sample was determined in general accordance with ASTM D 2216. The indicated moisture content of the material is percentage by dry weight of soil. The results are shown on the Sieve Analysis of Aggregate Plots, Figures 1 through 5 and Table 1 below.

SIEVE ANALYSIS OF AGGREGATE: The particle size distribution of each sample was determined by dry sieving, in general accordance with ASTM C-136 as modified in Appendix C.2 which requires sieve shaking for 10-minute intervals until the difference between two successive pan weights is less than 3%. All the samples evaluated were shaken for 4 intervals of 10 minutes (40 minutes total) which is the maximum allowed per Appendix C.2, Section C.2.3, procedural step 7. The results are reported on the attached Figures 2 to 6 and Table 1 below.

Table 1 Summary of Laboratory Testing

Sample Designation	Unified Soil Classification	Moisture Content % by dry weight	Percent Passing the US. No. 200 Sieve
RS-1	SW-SM	4.4	5.3
RS-2	sw	3.2	4.5
RS-3	SW-SM	3.8	6.8
WAS-1	SW	5.7	2.4
WAS-2	SW	10.4	3.6



CLOSURE: Experience has shown that test values on soil and other natural materials vary with each representative sample. As such, HWA has no knowledge as to the extent and quantity of material the tested samples may represent. HWA obtained samples in general accordance with the procedures outlined in AP 42 Appendix C.1, in an attempt to obtain samples representative of specific areas. However, HWA makes no warranty as to how representative either the samples evaluated, or the test results obtained are to field conditions outside of the specified sample areas.

No copy should be made of this report except in its entirety.

We appreciate the opportunity to provide laboratory testing services on this project. Should you have any questions or comments, or if we may be of further service, please call.

HWA GEOSCIENCES INC.

Steven E. Greene, L.G., L.E.G. Principal Engineering Geologist

Rick Mueller, G.I.T. Geologist

Mistaulles

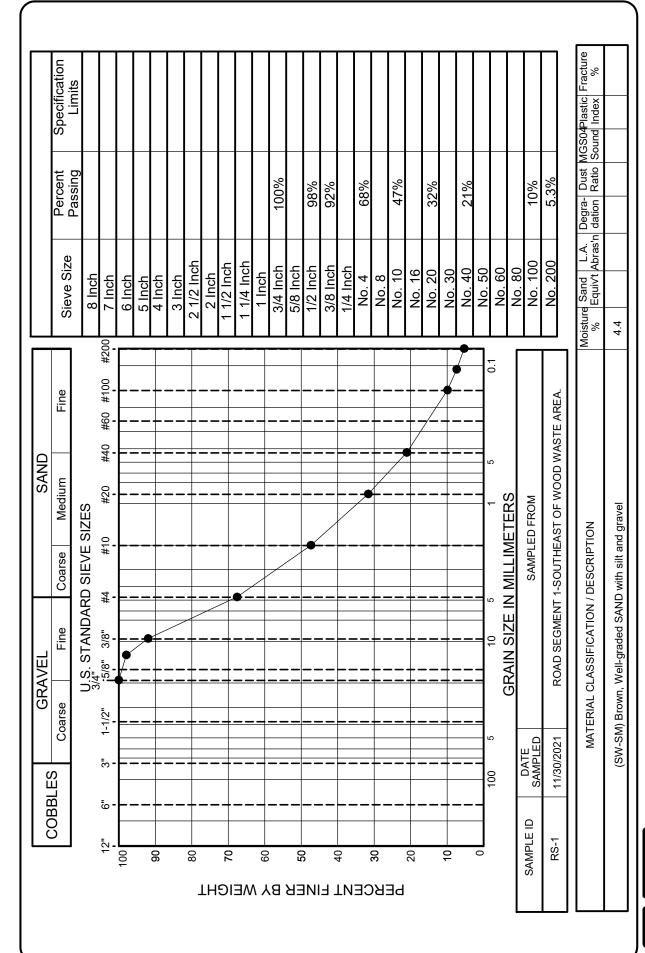
Attachments:

Figures 1 through 5

Sieve Analysis of Aggregate

Appendix A

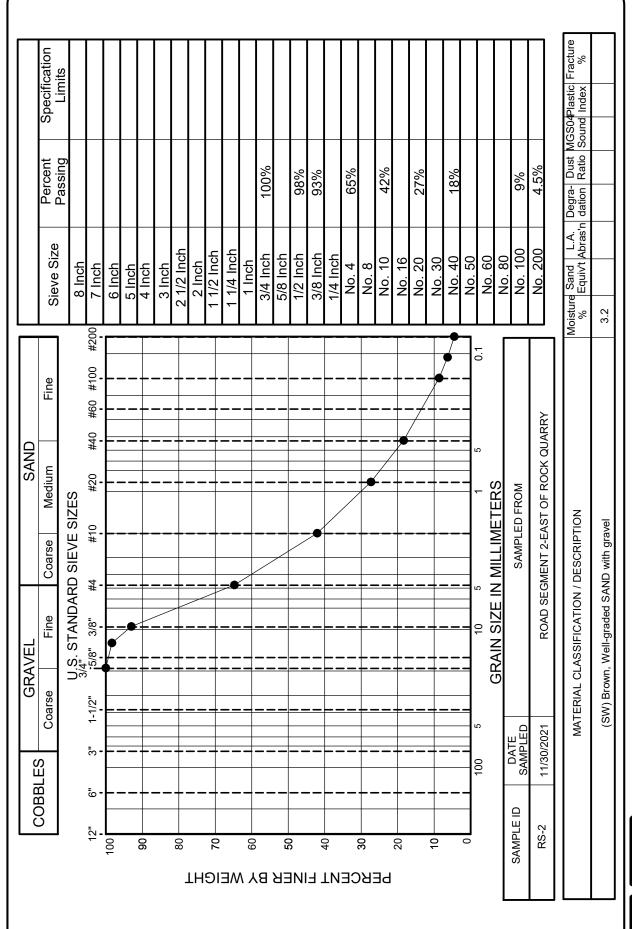
Field Sampling Report





METHOD ASTM C136 SIEVE ANALYSIS OF AGGREGATE



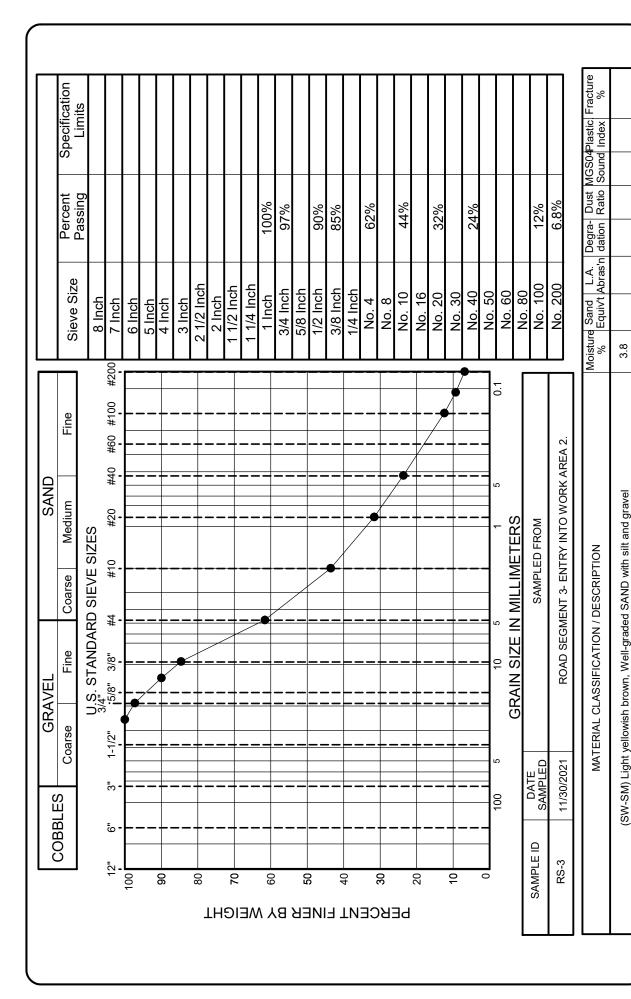




METHOD ASTM C136 SIEVE ANALYSIS OF AGGREGATE

YAKIMA, WASHINGTON

PROJECT NO.: 2005-120 T2000 FIGURE:

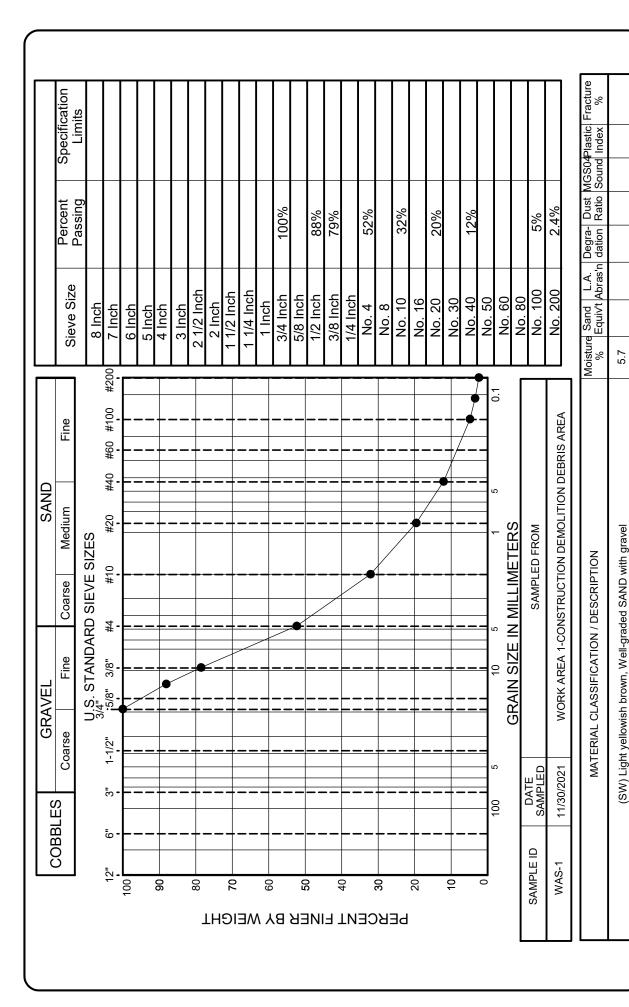




SIEVE ANALYSIS OF AGGREGATE METHOD ASTM C136



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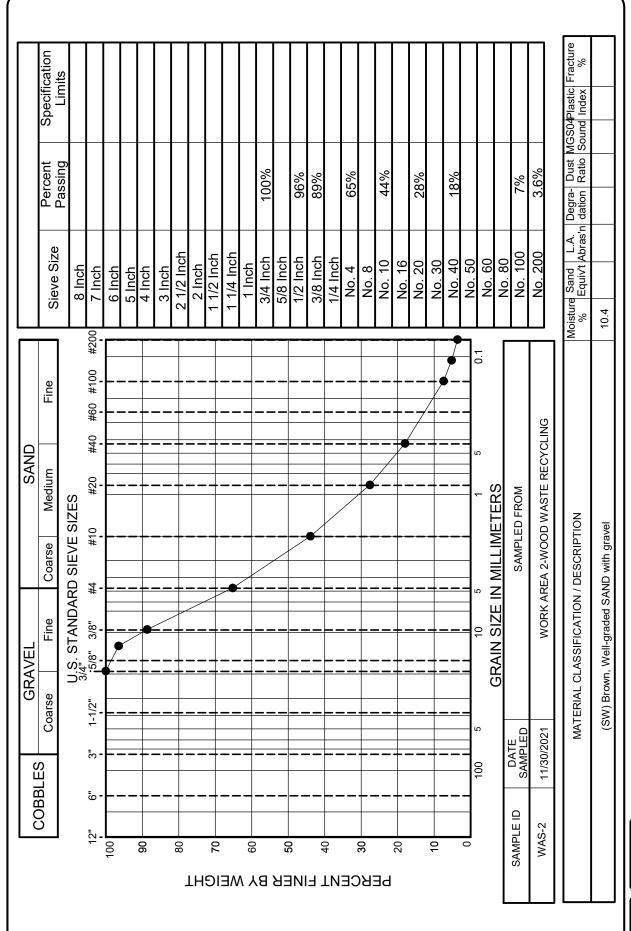




METHOD ASTM C136 SIEVE ANALYSIS OF AGGREGATE



4





METHOD ASTM C136 SIEVE ANALYSIS OF AGGREGATE

YAKIMA, WASHINGTON

APPENDIX A

Field Sampling Report

DTG Anderson Road and Working Area Dust Collection

Conducted: 11-30-2021 by Rick Mueller/HWA GeoSciences, Inc.

Upon my arrival to DTG Anderson Rock and Demolition pit, just northwest of Yakima, WA, I met with Brooks Taylor of DTG and Wade Porter of Yakima Regional Clean Air Agency. Brooks Taylor familiarized me with the operations within the pit and directed me to sampling locations proposed by HWA. Wade Porter was on site to observe HWA's sample collection methodology and assure that samples were taken in representative areas.

Work Area 1 (WAS 1.1 through 1.3)

The first location that samples were acquired was an area that DTG uses to bury miscellaneous construction demolition waste such as plastics and insulation. For the working area samples (WAS), a 15'x15' square was marked out and split into four equal quadrants of 7.5'x7.5'. From each quadrant, a 1-foot-wide area was swept from one end of the quadrant to the other. Material was collected using a broom and an enclosed dustpan. The material was transported from the dustpan and into a Ziploc storage bag. Three locations were chosen within the first working area. Samples collected were WAS 1.1, WAS 1.2 and WAS 1.3. These samples will be combined in HWA's lab prior to testing. Material collected appeared to consist of imported crushed gravel and possibly some native soils. While sampling, trucks coming in from outside of the site were dumping construction waste and a haul truck, excavator and dozer from within the site were tracking around the areas sampled.

Work Area 2 (WAS 2.1 through 2.4)

The second location was a working area where wood debris is stored. Three more 15'x15' squares were marked out and split into quadrants, with a 1-foot-wide swath swept from each quadrant. Wade Porter with YRCAA requested an additional sample be taken from an area that appeared to differ from the rest within the working area, possibly underlain with imported gravel while the majority of the working area surface was covered in wood debris and possibly native soils. Samples were collected using the same methods as WAS 1, and labelled WAS 2.1, WAS 2.2, WAS 2.3 and WAS 2.4. The samples will be combined in HWA's lab prior to testing. There was limited traffic through the working area during HWA's time on site, though it appeared trucks hauling wood debris travelled through the area to dump and haul trucks from within the DTG site travelled through the area.

Road Sample 1 (RS 1.1 through RS 1.3)

The third location sampled was a unpaved compacted soil and gravel road used to transport material between different locations on site. For roadway samples (RS) two grade stakes were measured 1-foot apart on each side of the road with a string around each stake, crossing the road to mark out a 1-foot-wide section across the entire width of the road. Samples were collected using the same methods as WAS 1 and WAS 2. Three of these areas were sampled, resulting in samples RS 1.1, RS 1.2 and RS 1.3. These samples will be combined in HWA's lab prior to testing. Haul trucks made frequent trips through the area, hauling soil and gravel to the first working area.

DTG Anderson Road and Working Area Dust Collection

Conducted: 11-30-2021 by Rick Mueller/HWA GeoSciences, Inc.

Road Sample 2 (RS 2.1 through 2.3)

The fourth location sampled was a compacted soil and gravel road used to transport material between different locations on site. For roadway samples (RS) two grade stakes were measured 1-foot apart on each side of the road with a string around each stake, crossing the road to mark out a 1-foot-wide section across the entire width of the road. Samples were collected using the same methods as described above. Three of these areas were sampled, resulting in field samples RS 2.1, RS 2.2 and RS 2.3. These samples will be combined in HWA's lab prior to testing. Haul trucks made frequent trips through the area, transporting soil and gravel to the first working area.

Road Sample 3 (RS 3.1 and 3.2)

The fifth and final location sampled was a compacted soil and gravel road used to transport material between different locations on site. For roadway samples (RS) two grade stakes were measured 1-foot apart on each side of the road with a string around each stake, crossing the road to mark out a 1-foot-wide section across the entire width of the road. Samples were collected using the same methods as described above. Two of these areas were sampled (RS 3.1 and RS 3.2) rather than 3, as suggested by Wade Porter, due to safety concerns in order to minimize time spent within the roadway, which supported heavy traffic. These samples will be combined in HWA's lab prior to testing. Trucks bringing construction waste in from outside of site were travelling through the area as well as haul trucks transporting dirt and gravel from within the site.

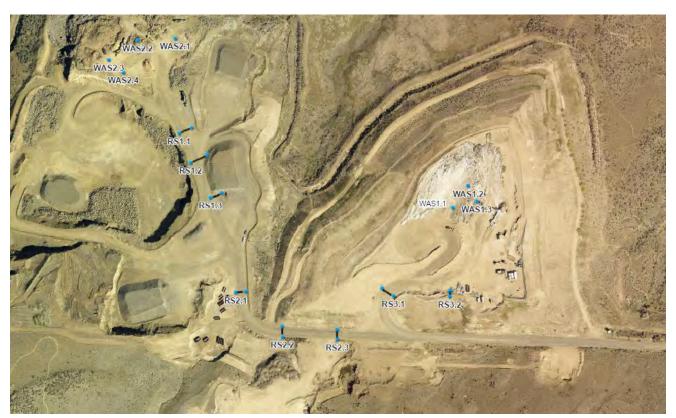


Figure A-1. Sample Location Aerial Map, sample locations recorded via GPS.

DTG Anderson Road and Working Area Dust Collection

Conducted: 11-30-2021 by Rick Mueller/HWA GeoSciences, Inc.



Figure A-2. Location of WAS1.1 after sampling. Each quadrant is 7.5'x7.5'. A one-foot-wide swath was swept across each quadrant. Facing Southeast.



Figure A-3. WAS1.3, facing west.



Figure A-4. WAS2.1. Note woody debris on ground within sample area. Facing northwest.



Figure A-5. WAS2.2. Facing west.



Figure A-6. WAS2.3



Figure A-7. RS1.1 marked out, prior to sample collection. Facing East.



Figure A-8. RS1.1 Marked out, after sample collection. Facing East.



Figure A-9. Location of RS1.2 prior to collection. Facing west.

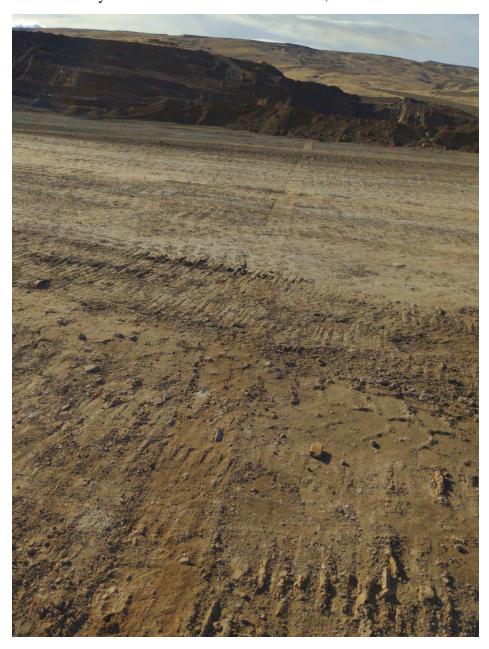


Figure A-10. Location of RS1.3 after collection. Facing west.

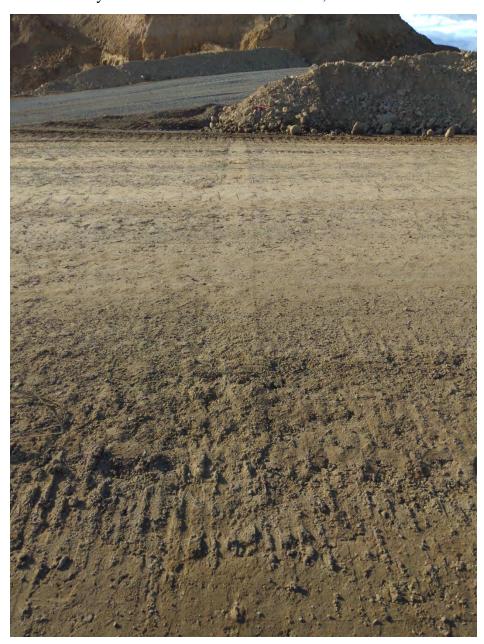


Figure A-11. Location of RS2.1 after collection. Facing west.



Figure A-12. Location of RS2.2 after collection. Facing north



Figure A-13. Location of RS2.3 after collection. Facing Northeast.



Figure A-14. Photo showing collection of a road sample courtesy of Wade Porter.



Figure A-15. Photo showing sample storage procedure, courtesy of Wade Porter.

		0940	#11	2.2
		0945	#12	2.3
		0950	#13	2.3
		0953	#14	2.3
		0958	#15	2.3
	SEM5000	0810	Background	2.3
		0815	1250 ppm calibration gas	1030.0
		0825	#1	2.4
		0855	#2	2.2
		0900	#3	2.3
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		0930	#9	2.5
		0935	#10	2.5
		0940	#11	2.2
		0945	#12	2.3
		0950	#13	2.3
		0953	#14	2.3
		0958	#15	2.3

REPORTING

Following each monitoring event, Freestone prepared and submitted a quarterly report to DTG. For the five quarterly events included in this annual report, quarterly reports were submitted on December 21, 2020, March 18, 2021, June 15, 2021, October 12, 2021, and December 7, 2021.

CONCLUSION

Landfill gas monitoring and quarterly report preparation and submittal was performed for five monitoring events during the period of December 9, 2020 through December 3, 2021. Methane concentrations measured at each of the predetermined monitoring locations were below the DTG Operations Plan methane action level of 1250 ppm for all monitoring events. As such, no action or follow-up monitoring was necessary.

From: lan Sutton <ISutton@parametrix.com>
Sent: Thursday, December 23, 2021 3:54 PM

To: Hasan Tahat

Subject: Automatic reply: DTG Recycle - Yakima field sampling and lab test report

I will have limited access to phone and email through Friday, December 24, but will be checking messages as available. If immediate assistance in needed, please contact Dwight Miller at dmiller@parametrix.com, or 206.394.3644.

Regards,

lan

From: John Martin <john@dtgrecycle.com> Tuesday, December 14, 2021 1:08 PM Sent:

Hasan Tahat To:

Cc: Wade Porter; Ian Sutton; Alan Butler

Subject: DTG Recycle - Yakima field sampling and lab test report **Attachments:** 2021.12.09 - Field Sampling and Lab Testing Report.pdf

Hasan,

Please find attached the field sampling and lab test report for the silt sampling at the DTG Recycle – Yakima facility. Please let me know if you have any questions, and we can set up a call with Parametrix.

Thanks,

John



John Martin

Associate General Counsel

Desk 425.523.8385 | Cell 425.408.2186 john@dtgrecycle.com P.O. Box 14203 Mill Creek, WA 98082

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From: Hasan Tahat

Sent: Tuesday, March 1, 2022 3:56 PM

To: Wade Porter

Subject: FW: DTG Recycle - Yakima soil gas and ambient air sampling report - February 2022

Attachments: Sampling Summary_Jan2022.pdf

Take a look at his and let's discuss. Thanks.

From: Rivard, James (ECY) [mailto:JRIV461@ECY.WA.GOV]

Sent: Tuesday, March 1, 2022 3:28 PM

To: Hasan Tahat

Cc: Park, Sage (ECY); Davies, Laurie (ECY); Ted Silvestri (YHD); Shawn Magee

Subject: FW: DTG Recycle - Yakima soil gas and ambient air sampling report - February 2022

Hello Hasan,

We received the attached today.

Our engineering and technical staff will be reviewing. But, we'd appreciate any review / advisement by YRCAA as the regional clean air agency as well. A couple of things jump out right away and raise questions. 1) Temperature readings of 149 F just below the surface and 2) VOCs.

Perhaps your staff, our staff, and YHD can speak via a telephone conference call here in a week or so after we have had time to read through the information.

Thanks, James

From: John Martin < john@dtgrecycle.com> Sent: Tuesday, March 1, 2022 10:52 AM

To: Rivard, James (ECY) <JRIV461@ECY.WA.GOV>; Shawn Magee <shawn.magee@co.yakima.wa.us>

Subject: DTG Recycle - Yakima soil gas and ambient air sampling report - February 2022

THIS EMAIL ORIGINATED FROM OUTSIDE THE WASHINGTON STATE EMAIL SYSTEM - Take caution not to open attachments or links unless you know the sender AND were expecting the attachment or the link

James and Shawn,

Attached is the February 2022 Soil Gas and Ambient Air Sampling Report prepared by Freestone Environmental Services from the December 8, 2021, and January 21, 2022, sampling events at the LPL. As noted in the report, any concentration of contaminants identified at the odor location dissipates quickly. Concentrations in the ambient air are low, and points of compliance at the property boundary are particularly low.

As we have previously mentioned, we would like to begin applying final cover to further reduce odors. We are prepared to begin this and plan to start immediately.

On another note, Arnie at HWA and Scott Cave, who has been acting as the neighbors' representative, are collaborating closely, and so far we have mutually identified and agreed on up to twenty wells to measure. Measurements are tentatively scheduled for 3/11 - 3/16.

Thank you,

John



John Martin

Associate General Counsel

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Cc: Ted Silvestri (YHD) <ted.silvestri@co.yakima.wa.us>; Brandon Comfort (YHD)

Sprindon.comfort@co.yakima.wa.us>; Grieves, Kimberly <ksar461@ECY.WA.GOV>; LeMond, Luke (ECY) <llem461@ECY.WA.GOV>; Rounds, Megan (ECY)

MROU461@ECY.WA.GOV>; Ian Sutton <isutton@parametrix.com>; Arnie Sugar <asugar@hwageo.com>; Dwight Miller

DMiller@parametrix.com>; Dan Guimont <dguimont@dtgrecycle.com>; Tom Vaughn@dtgrecycle.com>

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From: Hasan Tahat

Sent: Tuesday, December 14, 2021 3:28 PM

To: 'John Martin'

Cc: Wade Porter; Ian Sutton; Alan Butler

Subject: RE: DTG Recycle - Yakima field sampling and lab test report

Thank you John! After reviewing the report, if we have any question we will let you know. Best regards,

Hasan

Hasan M. Tahat, Ph.D. **Interim Executive Director**

Compliance, Engineering and Planning Division Supervisor

Yakima Regional Clean Air Agency

186 Iron Horse Ct. Suite 101. Yakima, WA. 98901

Tel: (509) 834-2050 ext. 105

Fax: (509) 834-2060 E-mail: hasan@yrcaa.org

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From: John Martin [mailto:john@dtgrecycle.com] Sent: Tuesday, December 14, 2021 1:08 PM

To: Hasan Tahat

Cc: Wade Porter: Ian Sutton: Alan Butler

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Thanks,

John



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From: Rivard, James (ECY) < JRIV461@ECY.WA.GOV>

Sent: Wednesday, March 9, 2022 9:51 AM

To: Hasan Tahat; Ted Silvestri (YHD); Shawn Magee; Brandon Comfort; Grieves, Kimberly;

LeMond, Luke (ECY); Rounds, Megan (ECY); Wade Porter

Subject: RE: DTG Recycle - Yakima soil gas and ambient air sampling report - February 2022

Ok I got someone to set up a doodle poll for me. Let's see if we can get together to discuss emissions @ DTG.

If you can fill out the Doodle Poll that will help us schedule a meeting. Thanks.

https://doodle.com/meeting/participate/id/Le3vyjOd

From: Rivard, James (ECY)

Sent: Monday, March 7, 2022 4:40 PM

To: 'Hasan Tahat' <hasan@yrcaa.org>; Ted Silvestri (YHD) <ted.silvestri@co.yakima.wa.us>; Shawn Magee

<shawn.magee@co.yakima.wa.us>; Brandon Comfort <brandon.comfort@co.yakima.wa.us>; Grieves, Kimberly

<ksar461@ECY.WA.GOV>; LeMond, Luke (ECY) < llem461@ECY.WA.GOV>; Rounds, Megan (ECY)

<MROU461@ECY.WA.GOV>

Cc: Wade Porter < wade@yrcaa.org>

Subject: RE: DTG Recycle - Yakima soil gas and ambient air sampling report - February 2022

Thanks Hasan,

Kimberly/Megan/Luke can you forward YRCAA any previous methane readings by the neighbor group and DTG, having YRCAA look at those might be helpful as well.

At the moment I'm having problems with the Doodle Poll website, if someone else can set up a poll and send out a link that would be good. If not I'll try again tomorrow.

Thanks,

From: Hasan Tahat < hasan@yrcaa.org > Sent: Tuesday, March 1, 2022 4:01 PM

To: Rivard, James (ECY) < <u>JRIV461@ECY.WA.GOV</u>>

Cc: Wade Porter <wade@yrcaa.org>

Subject: RE: DTG Recycle - Yakima soil gas and ambient air sampling report - February 2022

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Hi James,

Yes sure. We really need to talk. Just looking at the report without reading, I can say interesting! Let me read it please and let us talk. Thank you for sharing.

Best regards,

Hasan

Hasan M. Tahat, Ph.D.

Interim Executive Director

Compliance, Engineering and Planning Division Supervisor

Yakima Regional Clean Air Agency

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From: Rivard, James (ECY) [mailto:JRIV461@ECY.WA.GOV]

Sent: Tuesday, March 1, 2022 3:28 PM

To: Hasan Tahat

Cc: Park, Sage (ECY); Davies, Laurie (ECY); Ted Silvestri (YHD); Shawn Magee

Subject: FW: DTG Recycle - Yakima soil gas and ambient air sampling report - February 2022

Hello Hasan,

We received the attached today.

Our engineering and technical staff will be reviewing. But, we\$B!G(Jd appreciate any review / advisement by YRCAA as the regional clean air agency as well. A couple of things jump out right away and raise questions. 1) Temperature readings of 149 F just below the surface and 2) VOCs.

Perhaps your staff, our staff, and YHD can speak via a telephone conference call here in a week or so after we have had time to read through the information.

Thanks, James

From: John Martin < john@dtgrecycle.com > Sent: Tuesday, March 1, 2022 10:52 AM

To: Rivard, James (ECY) <JRIV461@ECY.WA.GOV>; Shawn Magee <shawn.magee@co.yakima.wa.us>

Cc: Ted Silvestri (YHD) < ted.silvestri@co.yakima.wa.us; Brandon Comfort (YHD) < ted.silvestri@co.yakima.wa.us; Brandon Comfort (YHD) < ted.silvestri@co.yakima.wa.us; Grieves, Kimberly < ksar461@ECY.WA.GOV; LeMond, Luke (ECY) < llem461@ECY.WA.GOV; Rounds, Megan (ECY) < MROU461@ECY.WA.GOV; Jan Sutton < isutton@parametrix.com; Arnie Sugar < asugar@hwageo.com; Dwight Miller < MROU461@ECY.WA.GOV; Dan Guimont < dguimont@dtgrecycle.com; Tom Vaughn < TVaughn@dtgrecycle.com)

Subject: DTG Recycle - Yakima soil gas and ambient air sampling report - February 2022

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James and Shawn,

Attached is the February 2022 Soil Gas and Ambient Air Sampling Report prepared by Freestone Environmental Services from the December 8, 2021, and January 21, 2022, sampling events at the LPL. As noted in the report, any concentration of contaminants identified at the odor location dissipates quickly. Concentrations in the ambient air are low, and points of compliance at the property boundary are particularly low.

As we have previously mentioned, we would like to begin applying final cover to further reduce odors. We are prepared to begin this and plan to start immediately.

On another note, Arnie at HWA and Scott Cave, who has been acting as the neighbors\$B!G(J) representative, are collaborating closely, and so far we have mutually identified and agreed on up to twenty wells to measure. Measurements are tentatively scheduled for 3/11 - 3/16.

Thank you,

John



John Martin

Associate General Counsel

Desk 425.523.8385 | **Cell** 425.408.2186 john@dtgrecycle.com P.O. Box 14203 Mill Creek, WA 98082

www.dtgrecycle.com www.bigbluebag.com





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From:	Scott Cave <sccomm@sosmail.us></sccomm@sosmail.us>				
Sent:	Monday, January 18, 2021 10:24 PM Rivard, James (ECY); Grieves, Kimberly; 'Ted Silvestri'; brandon.comfort@co.yakima.wa.us; Shanley, Patricia (ECY); Harris, William (ECY); Miller, Coleman (ECY); Matthews, David C. (ECY)				
То:					
Subject:	RE: Landfill Emissions Detection Discussion				
Attachments:	Pergam DTG Yakima LPL Perimeter Methane Field Inspection Report Aug 2020.pdf; Pergam LMC Gas Inspection Report for CCC Nov 2020.pdf				
	ED FROM OUTSIDE THE WASHINGTON STATE EMAIL SYSTEM - Take caution not nks unless you know the sender AND were expecting the attachment or the link				
James and all					
For the ZOOM meeting, a of DTG's LPL.	attached for your review are the two methane surveys conducted in 2020 by Pergam				
Scott					
Original Appointment From: Rivard, James (ECY) Sent: Tuesday, January 12,					
William (ECY); Miller, Colen	Silvestri;				