

City of Everett Public Works Department 3200 Cedar Street Everett, WA 98201

Attention: Mark Sadler

Subject: Gas Monitoring Annual Report, 2019 Everett Landfill/Tire Fire Site Everett, Washington

Dear Mark,

This letter presents the annual report for gas monitoring at the Everett Landfill (herein referred to as the Landfill) for calendar year 2019, per the Compliance Monitoring and Contingency Plan.

Gas Probe Monitoring

Three quarterly sampling events conducted on the following dates are discussed in this annual report:

- 1/15/2019
- 4/26/19 and 4/29/19
- 7/1/19 and 7/9/19
- 10/28/19 and 11/13/2019

Figures 1 and 2 show the gas monitoring probe and building locations. Gas monitoring data at selected Landfill gas probes is summarized in Table 1.

A landfill gas extraction trench (also known as a gas interception or collection trench) was constructed along most of the northern portion of the west Landfill boundary and commenced operation in 2004. This trench was designed to prevent offsite migration by intercepting gas originating from the landfill at the site boundary. A northern extension of the perimeter gas interception trench was also constructed (in the same project) along the southern edge of the 36th Street right-of-way in 2004. A second landfill gas extraction was installed along the northern edge of the 36th Street right-of-way, parallel and north of the 2004 trench, in 2006. The 41st Street overcrossing gas extraction system was installed in 2006. An additional perimeter gas interception trench was installed along the

21312 30th Drive SE Suite 110 Bothell, WA 98021-7010 Tel: 425.774.0106 Fax: 425.774.2714 www.hwageo.com

eastern landfill boundary, utilizing the existing leachate collector trench in 2013. A new segment of gas interceptor was completed in 2018 along the southeastern landfill boundary, as an extension of the existing gas collector along the eastern boundary, also utilizing the existing leachate collector trench. A second, separate gas extraction trench is under construction from the southern tip of the landfill some 480 feet northward, east of the combined leachate collector/gas extraction trench. At present, almost the entire landfill is surrounded by multiple gas interception trenches.

Monitoring highlights for the year include:

Landfill interior - Methane exceeding 5% by volume (which equals 100% of the lower explosive limit, or LEL) had been historically detected in most of the Landfill interior gas probes (which were completed in or near waste), as expected. By 2008, all gas probes within the Landfill footprint except LG-14, LG-15, and LG-16 were decommissioned in accordance with Chapter 173-160 WAC in preparation for site development activities. These three remaining probes have generally exhibited high methane concentrations, as expected. The 2019 methane concentrations ranged up to 74%, consistent with historical measurements in the landfill interior. Figure 5 shows methane concentrations over time in the three remaining interior gas probes. Site preloading activities over the last few years may have affected gas concentrations.

<u>South end of landfill</u> - Three gas probes, LG-82, LG-83, and LG-84 were installed at the south end of the Landfill at the request of the Washington State Department of Ecology (Ecology) in June 2015. 2019 results indicated methane concentrations ranging up to 59% at these probes, similar to prior measured concentrations. These three probes are completed in landfill waste and have similar methane concentrations to other landfill interior probes sampled in the past. A new segment of gas interceptor was completed in 2018 along the southeastern landfill boundary, as an extension of the existing gas collector along the eastern boundary, also utilizing the existing leachate collector trench. A second, separate gas extraction trench is under construction from the southern tip of the landfill some 480 feet northward, east of the combined leachate collector/gas extraction trench.

HWA conducted a bar hole survey in July 2019 to investigate the gas concentrations east of these probes. The survey was conducted using a slide hammer to bore an approximately 0.5-inch hole to a depth of 3.5-feet below ground surface (bgs). Rigid polyethylene tubing was lowered halfway down the bore hole and the surface opening sealed prior to testing. If groundwater was encountered above this, readings were taken just above the ground water level. Surficial soils were found to be saturated at shallow depths (1 to 2 feet bgs) at a few of the locations. Figure 4 shows the results of the bar hole survey. Results from the bar hole survey showed methane concentrations near LG-82, LG-83, and LG-84 ranged up to 25%. Around 105 to 115 feet east of these probes,

concentrations ranged from 0.1% to 0.2%, likely due to native peat soils. Three new gas probes, LG-88, LG-89, and LG-90, were installed in October 2019 (see Figure 1). Results from the most recent gas monitoring (October 2019 and February 2020) showed no detections of methane in the newly installed gas probes.

A linear saturated drainage/wetlands (part of Bigelow Creek) runs parallel to the eastern landfill boundary, part of the mapped Everett Riverfront Western Wetland Complex. Results of the 2016 and 2019 bar hole surveys shows elevated methane in shallow soils near the landfill (west of the wetlands), but none east of the wetlands. The wetlands (i.e., band of saturated ground) likely act as a hydraulic barrier to soil gas coming from the landfill. The shallow aquifer in this area is saturated and comprised of silt and peat deposits known an "the aquitard", down to depths of approximately 45 feet, below which is the deeper (fully saturated) aquifer. Any soil gas coming from the landfill therefore can only migrate in the uppermost unsaturated soils. The new gas collector trench will collect any gas being produced around the property line to the creek and wetland.

<u>West end of Landfill</u> - The number of probes with detected methane and the magnitude of methane concentrations along the western end of the Landfill decreased since startup of the Landfill gas extraction system in 2004. Starting in October 2008, two probes along the western boundary, LG-27 and LG-28, started displaying elevated methane concentrations with a maximum concentration of 49% observed in LG-28 in January 2009, and a maximum of 74% observed in LG-27 in August 2012 (Figure 6). Except for minimal detections of methane of 1% in LG-28 in July 2014 and of 0.2% in LG-27 and LG-28 in July 2015, methane has not been detected in either of these probes since January 2013. The elevated methane concentrations at LG-27 likely were due to preloading of adjacent areas within the Landfill for future site development. The remaining probes along the western end of the Landfill have not had any methane detections since 2016.

West end of Landfill, off-site - In 2002, LG-56, LG-57, and LG-58 were installed west of, uphill, and off-site of the Landfill to monitor if methane was migrating from the landfill property onto adjoining properties on the west side of the Landfill. These probes generally have not contained methane since installation, with a few isolated readings of up to 2.8% (Table 1). LG-56 was damaged in late 2015 and is no longer monitored. LG-76, LG-77, and LG-78 were installed in 2008, also west of, uphill, and off-site of the Landfill. LG-76 and LG-78 have not contained appreciable (above 0.2%) methane since installation. LG-77 began showing consistent methane concentrations exceeding the action level of 5% in January 2011. More frequent readings were collected at LG-77 from February through April 2011. Detections of methane ranged from 10 to 13% in 2019, consistent with concentrations measured in previous years. Figure 7 shows the LG-77 methane concentrations over time.

HWA conducted a shallow soil gas ("bar hole") survey of the area surrounding LG-77 in March 2011. No methane was detected in 11 of 12 holes at depths of 2 to 3.5 feet below ground surface (bgs), and very low methane (0.05%) was measured in one hole. Surficial soils were saturated at shallow depths (2 to 4 feet bgs), and all readings were taken above shallow ground water level. LG-77 was screened at a depth of 15 to 35 feet bgs, corresponding to the elevation of the Landfill, and encountered fill with wood below 10 feet, suggesting the methane detected in LG-77 may be coming from fill beneath the property. Results of the study are summarized in HWA's report *Landfill Soil Gas Survey, Buse Property, Everett, Washington* dated March 28, 2011. In October 2019, LG-77 was decommissioned and a replacement probe will be reinstalled at this location.

<u>East end of Landfill, offsite</u> - Surface emissions monitoring per 40 CFR 60.753(d) was conducted along the east landfill boundary and trail in July 2019. The monitoring was performed utilizing a flame ionization detector (FID), traversing the eastern landfill boundary in a serpentine pattern and measuring gas at 30-meter intervals, and based on visual observations, e.g., distressed vegetation, cracks, or seeps in the ground. The probe of the FID was held between 5 to 10 centimeters above the ground surface during the survey. Background concentrations were measured prior to conducting the gas survey upwind of the landfill and found to have detections of around 0.2 ppm, which match the highest concentrations detected during the gas survey. Gas concentrations detected during this survey were likely background detections and were well below the 500 ppm (0.05%) action level. All surface gas monitoring procedures were conducted following the Environmental Protection Agency (EPA) Code of Federal Regulations (CFR) Part 60 Subpart WWW *Standards of Performance for Municipal Solid Waste Landfills*. The survey locations and results of the initial survey are displayed on Figure 3.

Moving forward, HWA will continue to implement surface emissions testing along the eastern perimeter and trail as part of the quarterly gas monitoring events.

<u>North end of Landfill</u> - Methane exceeding 5% by volume was historically detected in one or more of the probes installed at the Landfill northern perimeter (LG-44, LG-45, LG-46, and LG-47). LG-44, LG-45, and LG-46, located on former Port of Everett Property (former Diversified recycling facility), are the furthest from the Landfill and the gas extraction system. Before being covered during property development, these probes displayed relatively constant ranges of methane concentrations before and after construction of the two northern gas extraction trenches in 2004 and 2005. Methane concentrations measured north of the two gas extraction trenches are likely from off-site sources, as Landfill gas from the landfill would likely have dissipated in the years following installation of both extraction trenches. Soils north of 36th street contain abundant debris, wood waste, and natural wood, which all may generate methane. The recycling facility was closed in April 2014 and all buildings have since been demolished.

Many of the landfill gas probes at the north end of the landfill are on private property that is being redeveloped, including building demolition and major site grading. As a result, the following probes are buried or damaged and can not be monitored: LG-12, LG-44, LG-45, LG-46, LG-47, LG-61, LG-67, and LG-68. LG-62 was covered for several years but was just uncovered by construction excavation in the area, was found to be functional, was fitted with a new monument in March 2020, and will be monitored in the future. Currently, only five northern perimeter probes, LG-41, LG-55, LG-59, LG-62, and LG-70, remain accessible for sampling. During 2019, gas probes LG-70 and LG-49 detected methane concentrations, all below 0.4% (Table 1, Figure 8). Four proposed replacement probes are planned in the 36th Street right-of-way, to replace some of the damaged probes.

Gas probe LG-70, located at the northeast corner of the landfill, has historically not contained any appreciable methane since 2005, when the north segment of the gas extraction system was installed, although elevated methane (6.5%) was detected in April and July of 2016. Subsequent monitoring of this probe yielded little to no methane (maximum 0.5%) detected after 2016 to the present. The brief episode of slightly elevated methane at LG-70 was thought to be due to excavation and construction of a large pump station adjacent to this probe around that time, which the monitoring results support since its completion in 2017.

<u>Utilities</u> - Gas probes installed in utility trenches (sewer, sewer force main, water, and natural gas) include:

- <u>I-5 / West End</u> In October 2008, gas probes LG-79, LG-80, and LG-81 were installed in utility trenches to replace gas probes damaged or decommissioned during BNSF railroad track construction (LG-63, LG-64, LG-65, and LG-66). Except for a reading of 0.1 % in November 2010 and April 2013, methane has not been detected in these probes since their installation in October 2008 (Table 1). All three of these replacement probes were damaged and not useable as of October 2013. This area was used for log storage for Buse Timber, and the gas probes (LG-79, LG-80, and LG-81) were damaged by logs and heavy equipment operations after closure of 36th Street. None of the damaged probes (original or replacement probes) had methane above the action level from June 2004 to July 2013, when the last active probe was damaged. Three additional replacement probes (LG-85, LG-86, and LG-87) were installed in June 2015 at the north end of the Landfill in utility trenches within 36th Street (away from Buse activity) to replace damaged probes LG-79, LG-80, and LG-81. LG-85, LG-86, and LG-87 did not have any detections of methane over 0.1% during 2019 monitoring.
 - <u>Eclipse Mill Road / East end</u> -Three gas probes installed in utility trenches in Eclipse Mill Road (LG-71, LG-72, and LG-73) were repaired in October 2008 by

routing the sampling ports laterally to a central location at the side of Eclipse Mill Road, where they would not be subject to truck and heavy equipment damage. The newly constructed Riverfront Boulevard has replaced Eclipse Mill road, and is located west of the former Eclipse Mill road, such that the combined sampling ports are now east of Riverfront Boulevard. Methane has not been detected in these probes above 0.4% since their repair in October 2008 (Table 1). The probes were covered by fill for two rounds in 2012. The probes were located in January 2013, after which the labeling was removed or obscured by contractors, such that the specific utility (e.g., sewer or water line) each probe monitors is no longer known. None of the three probes have had detected methane over 0.1% during 2019, consistent with past readings.

Buried/damaged gas probes in 2019:

• LG-59, located just off the shoulder of 36th street on the northwestern end of the landfill was buried under soil some time prior to October 2019. LG-59 was later located in early 2020 and is intact.

Other than as described above, none of the remaining probes that are sampled quarterly for this project were identified as having been damaged or buried during construction activities at and around the Landfill during the 2019 sampling year. Figure 1 shows all active, decommissioned, and damaged probes.

Buildings

Gas monitoring is performed utilizing a flame ionization detector at selected buildings located north and west of the Landfill. Table 2 summarizes the results. The Snohomish County Transfer Station formerly on the landfill was closed in January 2004, after which no further monitoring was conducted. The Everett Animal Shelter, formerly on the landfill, was vacated in April 2009 and demolished in June 2009. GTS Drywall Supply Co., north of the landfill, was not monitored after November 2002, when the building was vacated. The GTS building was then demolished in 2007. The Diversified Recycling facility north of the landfill was closed in April 2014 and the south building subsequently demolished. The north building was demolished in early 2016.

Existing off-site structures monitored in 2019 included:

- Everett Gospel Mission, 3711 Smith Avenue
- Cascade Wholesale, 2410 38th Street
- H & R Mechanical Systems Inc., 2407 38th Street
- Ron May Towing, 2406 39th Street
- Sno Valley Process Solutions, 2420 38th Street

The highest methane concentration detected in any of the off-site structures monitored during the last year was 0.2 parts per million (ppm, 0.00002%) at the Cascade Wholesale property. This concentration is well below the 100 ppm (0.01%) action level and considerably less than the lower explosive limit of 50,000 ppm (5%), and most likely unrelated to the landfill, or within the sensitivity range of the instrument.



We appreciate the opportunity to provide our services. Please feel free to call me if you have any questions or need more information.

Sincerely, HWA GEOSCIENCES INC.

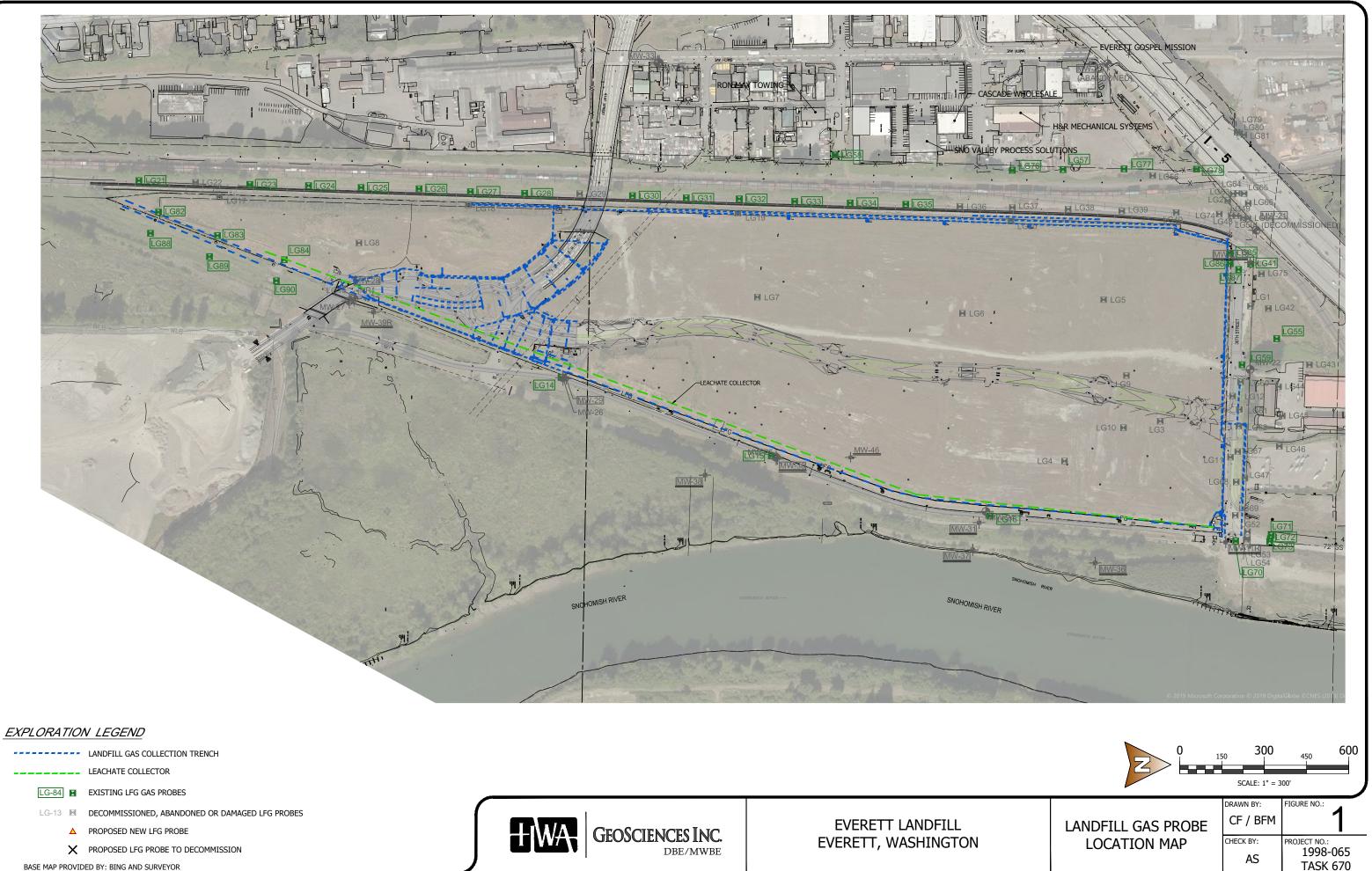
Charles

Austin York, LG Environmental Geologist

Arnie Sugar, LG, LHG Principal Hydrogeologist

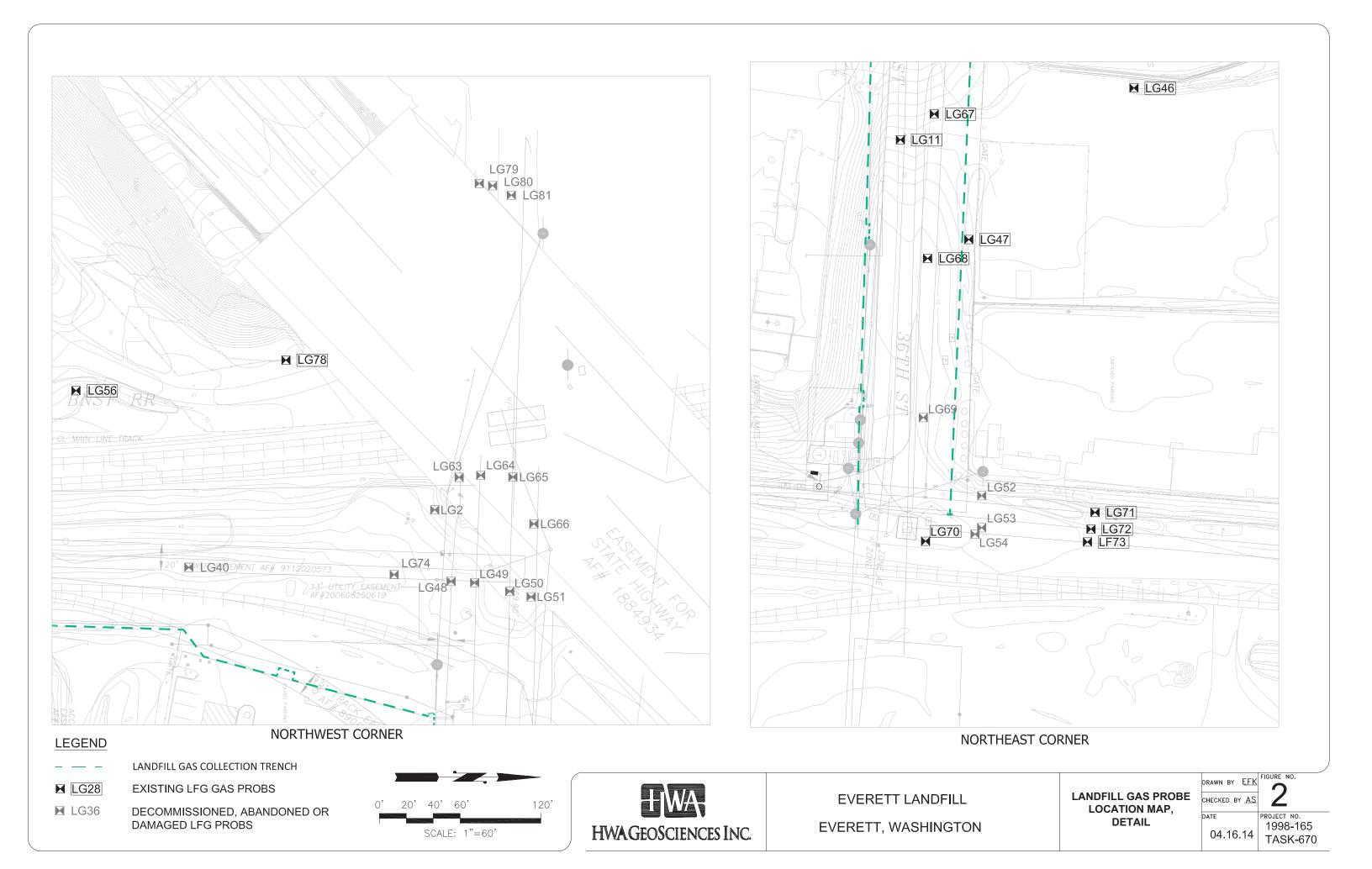
Attachments:

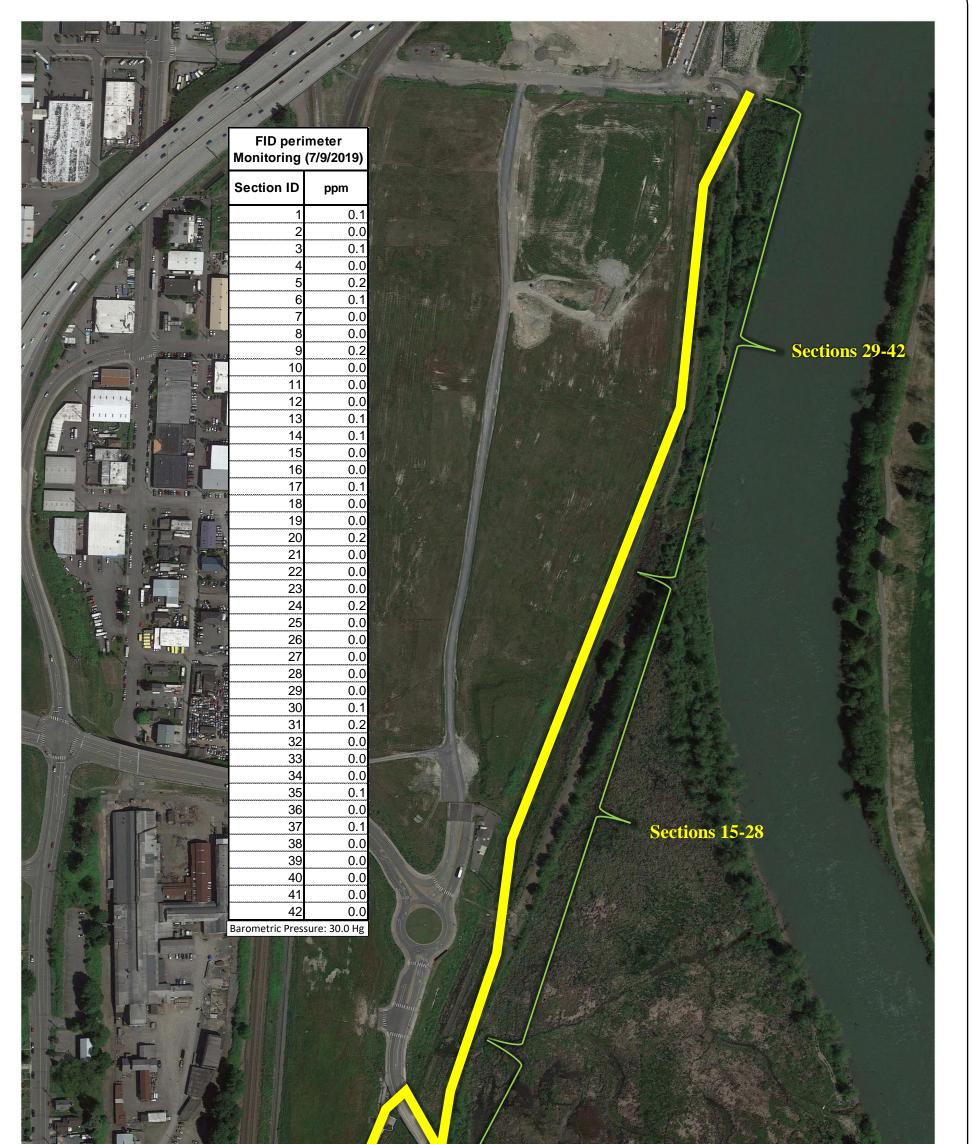
- Figure 1 Landfill Gas Probe Location Map
- Figure 2 Landfill Gas Probe Location Map, Detail
- Figure 3 Landfill Perimeter Surface Gas Monitoring
- Figure 4 July 2019 Bar Hole Survey
- Figure 5 Methane Concentration in Landfill Interior Probes
- Figure 6 Methane Concentration in West Boundary Probes
- Figure 7 Methane Concentration in LG-77
- Figure 8 Methane Concentration in North Boundary Probes
- Table 1Everett Landfill Gas Probe Monitoring
- Table 2Everett Landfill Gas Monitoring at Structures



BASE MAP PROVIDED BY: BING AND SURVEYOR

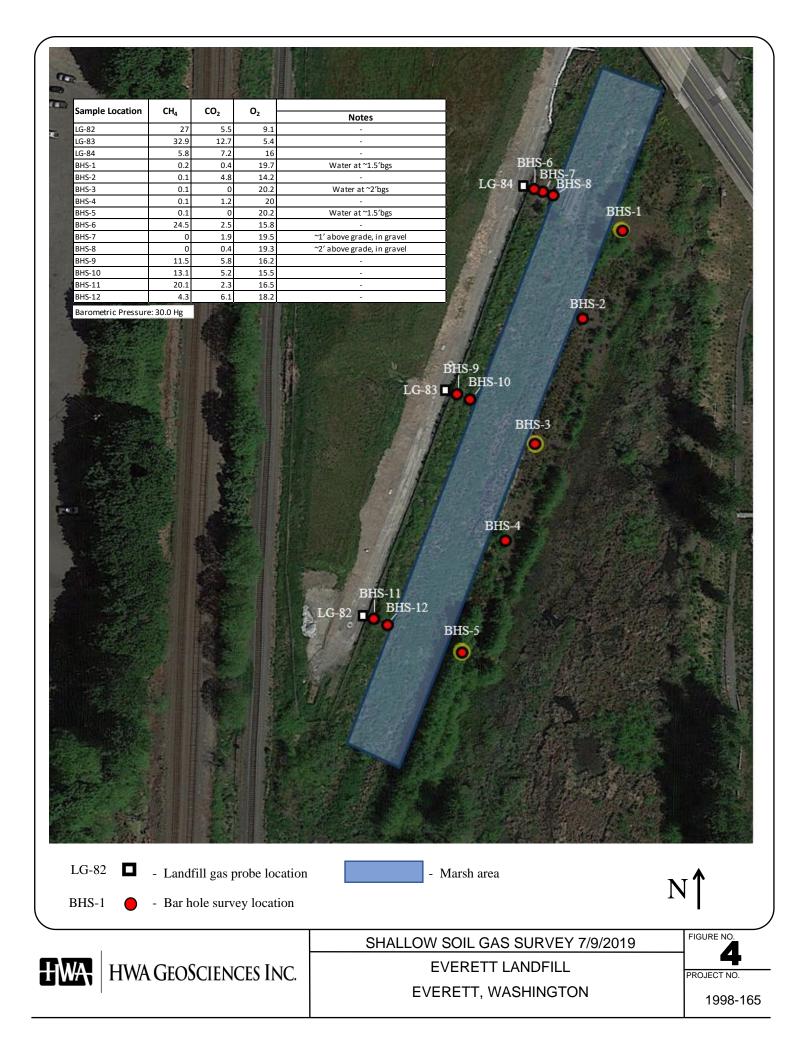


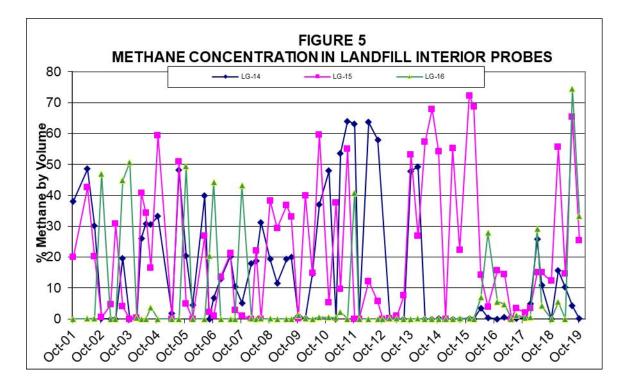


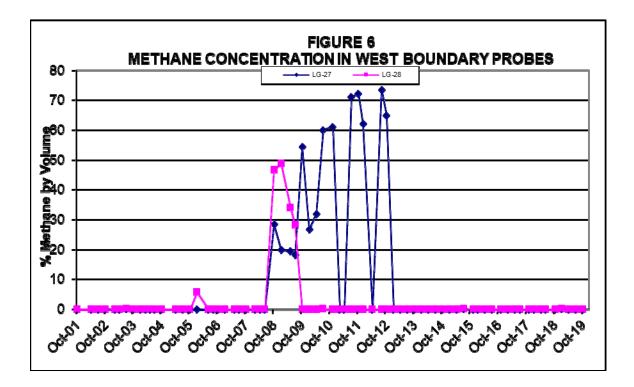


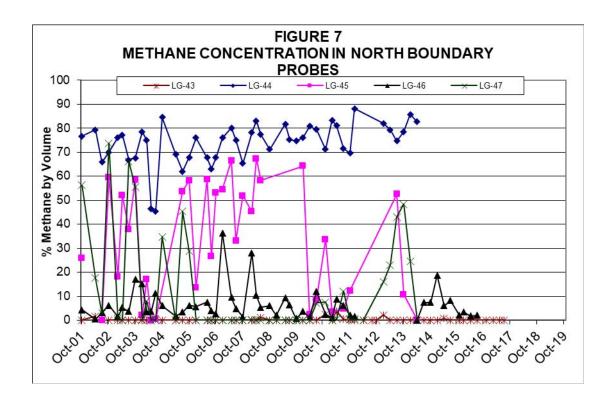


	PERIMETER SURFACE GAS MONITORING 7/9/2019	FIGURE NO.
HWA GEOSCIENCES INC.	EVERETT LANDFILL	PROJECT NO.
I	EVERETT, WASHINGTON	1998-165









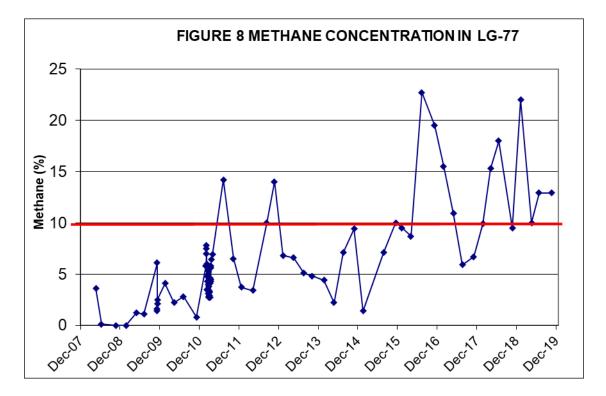
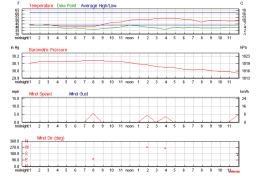


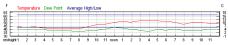
 Table 1A

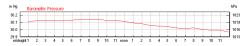
 Everett Landfill - Recent Gas Probe Monitoring

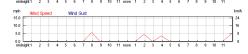
				C		anunn	- Recem	Gas Pr	obe Moni	toring						
	Screen	CH4	Date CO2	10/9-10/2013 O2	Pressure	Water	CH4	Date CO2	1/28-29/2014 O2	Pressure	Water	CH4	Date CO2	4/29/14 O2	Pressure	Water
	Interval	%	%	%	H20	Depth (ft)		%	%	H20	Depth (ft)	%	%	%	H20	Depth (ft)
Landfill Interior																
LG-2a	4.0-9.0			Damaged					Damaged					Damaged		
LG-2b LG-2c	12.0-17.0 20.0-25.0			Damaged Damaged					Damaged Damaged					Damaged Damaged		
LG-3a	7.0-12.0		Deco	ommissioned 2/2	21/08			Deco	ommissioned 2/	21/08			Deco	mmissioned		
LG-3b	15.0-20.0			ommissioned 2/2					ommissioned 2/					mmissioned		
LG-5	3.5-6.5			ommissioned 2/1					mmissioned 2/					mmissioned		
LG-6 LG-8	5.0-10.0 5.0-8.0			ommissioned 2/2 ommissioned 2/2					ommissioned 2/ ommissioned 2/					mmissioned mmissioned		
LG-9a	4.0-9.0			ommissioned 2/2					ommissioned 2/					mmissioned		
LG-9b	12.0-17.0			ommissioned 2/2					mmissioned 2/					mmissioned		
LG-9c LG-10a	20.0-25.0 4.0-9.0			ommissioned 2/2 ommissioned 2/2					ommissioned 2/ ommissioned 2/					mmissioned mmissioned		
LG-10b	11.0-16.0			ommissioned 2/2					ommissioned 2/					mmissioned		
LG-10c	18.0-23.0			ommissioned 2/2					ommissioned 2/					mmissioned		
LG-13 LG-14	4.0-10.0	47.0		ommissioned 2/2	- 1/08	1	40.2		ommissioned 2/	21/08		0.0		mmissioned	2/21/08	
LG-14 LG-15	4.0-8.0	47.8 53.2	18.8 21.1	0.1	-		49.3 26.8	14.5 6.8	2.0 0.0	-		57.2	3.6 9.6	16.0 0.1	-	
LG-16	4.0-10.0	0.0	0	21.0	-		0.1	0.2	21.2	-		0.0	0.0	19.7	-	
LG-17 LG-18	4.0-9.0			ommissioned 2/2					mmissioned 2/					mmissioned		
LG-18 LG-19	4.0-9.0 5.0-12.5			ommissioned 2/2 ommissioned 11/					ommissioned 2/ ommissioned 1					mmissioned mmissioned		
LG-20	4.0-9.0			ommissioned 11					mmissioned 1					mmissioned		
LG-82																
LG-83 LG-84																
West Boundary																
LG-21	3.0-5.0			water in probe			0.0	0.1	21.5	-		0.0	0.0	20.4	-	
LG-22	3.0-5.0			Damaged					Damaged	'				Damaged		
LG-23 LG-24	3.0-5.0 3.0-8.0	0	0	20.8 water in probe	0.05		0.0	0.0	21.6 21.5	-		0.0	0.0	20.4 20.4	-	<u> </u>
LG-24 LG-25	3.0-8.0			water in probe			0.0	0.0	21.5	-		0.0	0.0	20.4	-	<u> </u>
LG-26	3.0-8.0	0	0.2	20.6	0.05		0.0	0.1	21.3	-		0.0	0.0	20.4	-	
LG-27 LG-28	3.0-8.0 3.0-8.0	0	2	20.8 17.3	0.05 0.05		0.0	0.1	21.4 19.0	-		0.0	0.0 2.5	20.4 16.0	-	<u> </u>
LG-28 LG-29	3.0-8.0	0	1.1	Damaged	0.05		0.0	1.9	Damaged	-		0.0	2.5	Damaged		<u> </u>
LG-30	5.0-10.0	0	4	16.9	0.16		0.0	3.3	18.0	-		0.0	2.6	16.7	-	
LG-31	7.0-12.0	0	0.1	21	0.16		0.0	4.6	16.6	-		0.0	0.1	20.4	-	
LG-32	3.0-8.0	0	6.1	14.5	0.16		0.0	13.7	2.2 21.3	-		0.0	5.8 0.1	15.1 20.3	-	
LG-33 LG-34	7.0-12.0 3.0-8.0	0	0.5	20.5 19.5	0.16		0.0	0.2	10.7	-		0.0	0.1	20.3	-	
LG-35	4.0-9.0	0	4.8	5.8	0.16		0.0	8.0	6.6	-		0.0	4.1	7.7	-	
LG-36	9.0-14.0			ommissioned 08					ommissioned 08					mmissioned		
LG-37 LG-38	7.0-12.0			ommissioned 08, ommissioned 08,					ommissioned 08 ommissioned 08					mmissioned mmissioned		
LG-39	7.0-12.0			ommissioned 08					ommissioned 08					mmissioned		
LG-40	7.0-12.0		Deco	ommissioned 08/	/1/07			Deco	mmissioned 08	3/1/07			Deco	mmissioned	08/1/07	
Upgradient West						1		40.4								
LG-56 LG-57	10.0-25.0 10.0-35.0	0.0	0.2 3.8	20.8 18.6	-		0.0	10.4 7.6	5.5 6.2	-		0.0	9.9 1.1	3.8 17.8	-	
LG-58	8.0-28.0	0.0	6.3	8.5	-		0.0	6.4	8.5	-		0.0	2.9	14.6	-	
LG-76	20.0-35.0	0.0	1.7	17.9	-		0.0	4.6	14.0	-		0.0	0.1	20.2	-	
LG-77 LG-78	15.0-35.0 10.0-25.0	4.8 0.0	12.6 2.6	19.2 17.2	-		4.4 0.0	27.2 6.2	0.6	-		2.2	21.9 0.3	1.9 20.0	-	
Northern Landfill		0.0	2.0	17.2			0.0	0.2	12.2			0.0	0.3	20.0	-	
LG-1	3.5-6		Deco	ommissioned 7/1	1/10			Deco	mmissioned 7/	11/10			Deco	mmissioned	7/11/10	
LG-11	3.5-5.5			Monument filled		1			Monument fille	1				Monument fi		
LG-12 LG-41	3.5-5.5 5.0-10.0	0.0 12.6	0.0	20.9 0.4	-		0.0	0.0	21.9 21.7	-		0.0	0.2	20.7 20.7	-	
LG-42	8.0-13.0	12.0		ommissioned 7/1	1/10		1.0		ommissioned 7/	11/10		0.0		mmissioned	7/11/10	1
LG-43	3.0-8.0	0.0	0.3	20.5	-		0.0	0.3	21.2	-		0.1	0.1	20.4	-	
LG-44 LG-45	3.0-8.0 3.0-8.0	78.6 10.7	19.1 10.8	0.2 0.3	-	-	85.8	12.3	0.0 flooded area ar	d incoccol		82.7 0.0	<u>11.4</u> 0.0	0.2	-	<u> </u>
LG-45 LG-46	3.0-8.0	10.7		0.3 sediments, could	- I not locate				flooded area ar sediments, cou		с	0.0	0.0	20.5	-	+
LG-47	5.0-10.0	48.4	14.8	0.0	-		24.6	8.0	0.0	-		0.0			ould not locat	e
LG-55	6.0-16.0	0.0	13.3	6.4	-		0.0	16.7	1.6	-		0.0	0.3	20.7	-	
LG-59	5.0-15.0	0.0	11.8	7.7	-		0.0	10.6	8.0	-		0.0	3.8	15.8		L
LG-60 LG-61	5.0-15.0 5.0-15.0	0.0	M 1.1	onument damag 19.3	ed -		0.0	0.6	onument damag 20.8	ged		0.0	0.2	nument dan 20.7	naged	
LG-62	5.0-15.0	0.0	0.2	20.6	-	1	0.0	0.0	20.0	-		0.0	0.2	20.7	-	<u> </u>
LG-67	5.0-12.0	0.0	0.3	20.2	-		0.0	0.1	21.7	-		0.0	0.0	20.4	-	
LG-68	2.0-5.0	0.0	0.1	20.5	-		0.0	1.0	4.6	-		0.0	0.0	20.4	-	
LG-69	2.0-5.0			Buried under fill		1		1	Buried under fi	 				Buried under	r fill	
LG-70 Utility Trenches	3.0-7.0	0.0	0.4	20.2	-	1	0.0	3.7	16.0	-		0.0	0.0	20.1	-	<u> </u>
I-5 (west end)							1					<u> </u>				
LG-48	3.0-6.0			Buried under fill					Buried under fi					Buried unde		
LG-49 LG-50	2.5 to 6 4.0-12.0			ommissioned 6/2 Iment tilted / dam					ommissioned 6/ ment tilted / da					mmissioned		
LG-51	3.0-5.0			Buried under fill	lageu		1		Buried under fi	1		L		Buried under		
LG-63	3.0-4.0		Deco	ommissioned 6/2				Deco	ommissioned 6/	20/08			Deco	mmissioned	6/20/08	
LG-64	4.0-7.0			ommissioned 6/2					ommissioned 6/					mmissioned		
LG-65 LG-66	5.0-15.0 5.0-8.0			ommissioned 6/2 ied under bridge					ommissioned 6/ ed under bridge					mmissioned		
LG-66 LG-74	5.0-8.0			Buried under bridge	וסו		1		Buried under bridge			[Buried under		
LG-75	3.0-5.0		[Decommissioned				[Decommissione	d			D	ecommissic	oned	
LG-79	2.0-4.0			onument damag					onument dama					nument dan	0	
LG-80 LG-81	2.0-4.0 6.75-11.75	}		onument damag					onument damag					nument dan nument dan	<u> </u>	
LG-85					-		<u> </u>								<u> </u>	
LG-86																
LG-87		<u> </u>					I									

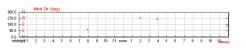
LG-87														
Landfill Exterior (north west end)													
LG-88	3-10													
LG-89	3-10													
LG-90	3-10													
Eclipse (east end)														
LG-52	3.0-8.0			Damaged 1/04				Damaged 1/04			[Damaged 1/04	4	
LG-53	2.5-4.0		l	Buried under fill				Buried under fill	I		В	luried under f	ill	
LG-54	3.0-6.0			Buried under fill				Buried under fill	I		В	luried under f	ill	
LG-71	4.0-6.0	0.0	2.3	16.4	-	0.0	0.5	20.7	-	0.0	0.5	19.1	-	
LG-72	2.5-4.0	0.0	1.2	19.6	-	0.0	0.5	21.4	-	0.0	0.4	19.5	-	
LG-73	4.0-6.0	0.0	0.3	20.5	-	0.0	0.0	21.9	-	0.0	0.1	20.1	-	

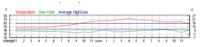


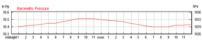


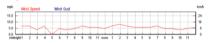












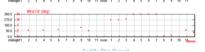
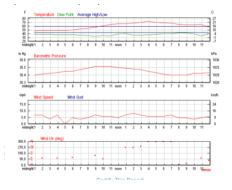


 Table 1A

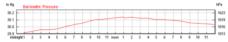
 Everett Landfill - Recent Gas Probe Monitoring

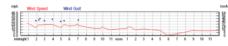
				E	Everett l	_andfill -	Recent	t Gas Pr	obe Mo	onitoring	I					
			Date		24/2014		0 114	Date		-31/2014		0 114	Date		21/15	
	Screen Interval	CH4 %	CO2 %	<u>02</u> %	Pressure H20	Water Depth (ft)	CH4 %	CO2 %	<u>02</u> %	Pressure H20	Water Depth (ft)	CH4 %	CO2	O2 %	Pressure H20	Water Depth (ft)
Landfill Interior	interval	70	70	70		Dopin (ity	70	70	70		Doptin (ity	70	70	70		Doptii (it)
LG-2a	4.0-9.0		11	Damaged		-			Damageo	ł			1	Damageo		-
LG-2b	12.0-17.0			Damaged					Damageo	ł				Damageo		
LG-2c	20.0-25.0			Damaged					Damageo					Damageo		
LG-3a LG-3b	7.0-12.0			nmissioned nmissioned					nmissionec nmissionec					mmissioned		
LG-50	3.5-6.5			missioned					missionec					mmissioned mmissioned		
LG-6	5.0-10.0			missioned					missionec					mmissioned		
LG-8	5.0-8.0			missioned					missioned					mmissioned		
LG-9a	4.0-9.0			missioned					missionec					mmissioned		
LG-9b LG-9c	12.0-17.0 20.0-25.0			nmissioned nmissioned					nmissionec nmissionec					mmissioned mmissioned		
LG-10a	4.0-9.0			missioned					missionec					mmissioned		
LG-10b	11.0-16.0			nmissioned					missionec				Deco	mmissioned	2/21/08	
LG-10c	18.0-23.0			missioned					missionec					mmissioned		
LG-13 LG-14	4.0-10.0 4.0-8.0	0.0	0.0	nmissioned 20.9			0.1	0.1	missionec 20.9			0.0	0.2	mmissioned 21.7	2/21/08	Т
LG-14	4.0-0.0	67.9	32.7	0.2	-		54.2	21.2	8.1	-		0.0	0.2	12.6	-	+
LG-16	4.0-10.0	0.0	0.0	20.9	-		0.0	0.9	17.2	-		0.0	0.1	21.5	-	
LG-17	4.0-9.0			missioned					missionec					mmissioned		
LG-18	4.0-9.0			nmissioned nmissioned					missionec					mmissioned mmissioned		
LG-19 LG-20	5.0-12.5 4.0-9.0			missioned					nmissionec nmissionec					mmissioned		
LG-82	1.0 0.0		Booon	initioononiou	11/1/00			Booon		11/1/00			2000		11/1/00	
LG-83																
LG-84 West Boundary																
West Boundary LG-21	3.0-5.0	0.0	0.0	20.9			0.0	0.0	20.4			0.0	0.2	21.4		
LG-21 LG-22	3.0-5.0	0.0	0.0	Damaged		1	0.0	0.0	Damageo		-	0.0	0.2	Damageo	-	4
LG-23	3.0-5.0	0.0	0.0	18.6	-		0.0	0.1	20.4	-		0.0	0.1	21.2	-	
LG-24	3.0-8.0	0.0	0.0	20.9	-		0.0	0.0	20.4	-		0.0	0.1	21.2	-	-
LG-25	3.0-8.0	0.0	0.0	20.9	-		0.0	0.2	20.4	-		0.0	0.1	20.9	-	
LG-26 LG-27	3.0-8.0 3.0-8.0	0.0	0.0	20.9 21.1	-		0.0	0.1	20.4	-		0.0	0.1	21.3 21.4	-	+
LG-27 LG-28	3.0-8.0	1.0	0.0	18.7	-		0.0	3.6	15.8	-		0.0	0.2	21.4	-	+
LG-29	3.0-8.0	-		Damaged					Damageo	k			-	Damageo		
LG-30	5.0-10.0	0.0	0.0	12.1	-		0.0	2.1	17.1	-		0.0	2.0	20.0	-	
LG-31	7.0-12.0	0.0	0.0	13.2	-		0.0	0.3	20.1	-		0.0	0.3	21.6	-	
LG-32 LG-33	3.0-8.0 7.0-12.0	0.0	0.0	14.3	-		0.0	5.0 0.1	15.8 20.4	-		0.0	<u> </u>	21.1 22.1	-	
LG-34	3.0-8.0	0.0	0.0	15.6	-		0.0	0.0	20.4	-		0.0	0.2	22.1	-	-
LG-35	4.0-9.0	0.0	0.0	10.7	-		0.0	3.8	12.7	-		0.0	1.8	18.0	-	
LG-36	9.0-14.0			nmissioned					missionec					mmissioned		
LG-37 LG-38	7.0-12.0			nmissioned nmissioned					missionec missionec					mmissioned mmissioned		
LG-38 LG-39	7.0-12.0			missioned					missioned					mmissioned		
LG-40	7.0-12.0			missioned					missioned					mmissioned		
Upgradient West	Boundary				-											
LG-56	10.0-25.0	0.0	0.0	3.2	-		0.0	3.3	2.6	-		0.0	6.4	12.4	-	_
LG-57 LG-58	10.0-35.0 8.0-28.0	0.2	6.9 0.0	7.8 8.2	-		2.8 0.0	7.9 4.9	8.2 12.1	-		0.3	0.8	20.6 17.2	-	
LG-76	20.0-35.0	0.0	0.0	14.3	-		0.0	0.7	12.1	-		0.0	0.6	21.3	-	-
LG-77	15.0-35.0	7.1	18.0	6.5	-		9.4	29.2	1.5	-		1.4	3.4	19.8	-	+
LG-78	10.0-25.0	0.0	0.0	15.4	-		0.0	0.1	21.3	-		0.0	1.7	18.3	-	-
Northern Landfill	-															
LG-1	3.5-6			nmissioned					missioned					mmissioned		
LG-11 LG-12	3.5-5.5 3.5-5.5			onument fil e port filled					onument fi e port filled					Monument fi ble port filled		
LG-41	5.0-10.0	0.0	0.0	4.4	-		0.0	11.2	0.6	-		0.0	0.2	21.3	-	1
LG-42	8.0-13.0			nmissioned	7/11/10				missionec	17/11/10				mmissioned	7/11/10	
LG-43	3.0-8.0	0.0	0	20.1			0.0	0.2	20.1	<u> </u>		0.0	0.2	21.4		
LG-44 LG-45	3.0-8.0 3.0-8.0				demo debris demo debris				, ,	demo debris demo debris				, ,	lemo debris lemo debris	
LG-45 LG-46	10.0-15.0	7.4	13.7	0.0	-		7.4	13.7	y building 0.0	-		18.7	6.5	16.7	-	
LG-47	5.0-10.0		Under soil/se		ould not locat	e				ould not locat	e				ould not locat	.e
LG-55	6.0-16.0			I not locate		<u> </u>			not locate			0.0	2.3	19.8	<u> </u>	
LG-59	5.0-15.0	0.0	0.0	14.9	-		0.0	5.4	16.0	-		0.0	1.6	20.8	-	
LG-60	5.0-15.0	0.0		ument dam		1	0.0		ument dar			0.0		nument dan		
LG-61 LG-62	5.0-15.0 5.0-15.0	0.0	0.0	19.3 19.2	-		0.0	1.7	18.6 19.0	-	<u> </u>	0.0	0.2	21.5 21.4	-	+
LG-62 LG-67	5.0-15.0	0.0	0.0	19.2 20.9	-		0.0	0.3	19.0 20.8	-		0.0	0.3	21.4	-	+
LG-68	2.0-5.0	0.0	0.0	20.9	-	1	0.0	0.0	20.8	-		9.7	3.9	10.5	-	+
LG-69	2.0-5.0			uried under	r fill	1			uried unde	r fill	· · · · ·			Buried under	r fill	4
LG-70	3.0-7.0	0.0	0.0	7.8	-				alve dama			0.0	1.4	19.5	-	
Utility Trenches																
I-5 (west end) LG-48	3.0-6.0		P	uried under	r fill		<u> </u>	P	uried unde	r fill				Buried unde	r fill	
LG-48 LG-49	2.5 to 6			uried under nmissioned					uriea unae imissionec					mmissioned		
LG-50	4.0-12.0		Monum	ent tilted / a	damaged			Monum	ent tilted /	damaged			Monur	ment tilted / o	damaged	
LG-51	3.0-5.0			uried under					uried unde					Buried unde		
LG-63	3.0-4.0			missioned					missionec					mmissioned		
LG-64 LG-65	4.0-7.0 5.0-15.0			nmissioned nmissioned					nmissionec nmissionec					mmissioned mmissioned		
LG-65 LG-66	5.0-15.0			d under bric					under bri					ed under brid		
LG-74	5.0-7.0		В	uried under	r fill				uried unde	0 1				Buried under		
LG-75	3.0-5.0			commissio				De	commissio	oned			D	ecommissic	ned	
LG-79	2.0-4.0			ument dan	<u> </u>				ument dar					nument dan		
LG-80 LG-81	2.0-4.0 6.75-11.75			ument dam					ument dar ument dar	<u> </u>				nument dan		
LG-85			101011				ł	WOI					1010	uul		
LG-86																
LG-87		I	-						-				-			

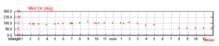
LG-87														
Landfill Exterior (north west end													
LG-88	3-10													
LG-89	3-10													
LG-90	3-10													
Eclipse (east end)														
LG-52	3.0-8.0		C	Damaged 1/0	4			Damaged 1/0)4		[Damaged 1/0	4	
LG-53	2.5-4.0		B	Buried under f	fill		E	Buried under	fill		B	Buried under f	ill	
LG-54	3.0-6.0		В	Buried under f	fill		E	Buried under	fill		B	Buried under f	ill	
LG-71	4.0-6.0	0.0	0.0	19.5	-	0.0	0.9	19.7	-	0.0	0.2	21.5	-	
LG-72	2.5-4.0	0.0	0.0	19.7	-	0.0	1.0	20.2	-	0.0	0.2	21.4	-	
LG-73	4.0-6.0	0.0	0.0	20.7	-	0.0	0.4	20.8	-	0.0	0.2	21.2	-	

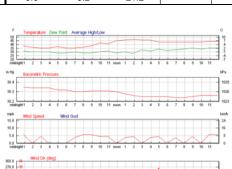


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윎는	E					7						-	-	-	-	-	=	-	=	=	-	-	-	1
33 E	E																							Е,
midnigt	đ1	2	3	4	5	6	7	8	9	10	11	noon	1	2	3	4	5	6	7	8	9	10	11	









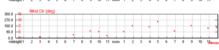
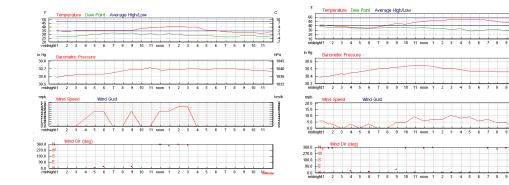
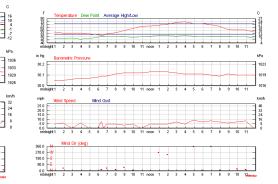


Table 1A **Everett Landfill - Recent Gas Probe Monitoring**

IWA Project No. 3					Everett L	andfill -	Recent			nitoring			T	T	1	1
	Screen	CH4	Date CO2	4/14/15 O2	Pressure	Water	CH4	Date CO2	7/29/15 O2	Pressure	Water	CH4	Date CO2	11/20/15 O2	Pressure	
Landfill Interior	Interval	%	%	%	H20	Depth (ft)	%	%	%	H20	Depth (ft)	%	%	%	H20	Depth (ft)
LG-2a	4.0-9.0		1	Damaged		1			Damaged				1	Damaged	1	
LG-2b	12.0-17.0			Damaged					Damaged					Damaged		
LG-2c	20.0-25.0			Damaged					Damaged					Damaged	2/04/00	
LG-3a LG-3b	7.0-12.0			nmissioned nmissioned					nmissioned 2 nmissioned 2					nmissioned 2 nmissioned 2		
LG-5	3.5-6.5			nmissioned					nmissioned					nmissioned		
LG-6	5.0-10.0			nmissioned					nmissioned 2					nmissioned 2		
LG-8	5.0-8.0			nmissioned					nmissioned 2 nmissioned 2					nmissioned		
LG-9a LG-9b	4.0-9.0			nmissioned					nmissioned 2					nmissioned 2 nmissioned 2		
LG-9c	20.0-25.0		Decon	nmissioned	2/21/08			Deco	nmissioned 2	2/21/08			Decor	nmissioned 2	2/21/08	
LG-10a LG-10b	4.0-9.0			nmissioned					nmissioned 2 nmissioned 2					nmissioned 2 nmissioned 2		
LG-100	18.0-23.0			nmissioned					nmissioned 2					nmissioned 2		
LG-13	4.0-10.0		Decon	nmissioned	2/21/08			Deco	nmissioned 2	2/21/08				nmissioned		
LG-14	4.0-8.0	0.0	0.2	21.7	-		0.0	0	20.7	-		0.2	0.2	20.2	-	
LG-15 LG-16	4.0-10.0 4.0-10.0	55.2 0.0	9.4 0.0	7.3	-		22.4 0.1	13.7 0.0	12.5 20.1	-		72.3 0.2	21 0.2	0.5 21.4		
LG-17	4.0-9.0	0.0		nmissioned	2/21/08	1			nmissioned	2/21/08		0.2	-	nmissioned	2/21/08	
LG-18	4.0-9.0			nmissioned					nmissioned					nmissioned		
LG-19	5.0-12.5			nmissioned					nmissioned					nmissioned		
LG-20 LG-82	4.0-9.0		Decon	nmissioned	11/1/03			Deco	nmissioned	11/1/03			Decor	nmissioned	11/1/03	
LG-83	·······															
LG-84																
West Boundary	2050	0.0	0.1	01.7		1	0.0	0.0	10.0	1		0.0	0.0	22.2		
LG-21 LG-22	3.0-5.0	0.0	0.1	21.7 Damaged	-	1	0.2	0.0	19.9 Damaged	-	1	0.0	0.0	22.2 Damaged	-	1
LG-22 LG-23	3.0-5.0	0.0	0.1	21.7	-		0.2	0.0	20	-		0.0	0.0	22.1	-	
LG-24	3.0-8.0	0.0	0.1	21.7	-		0.2	0.0	19.9	-		0.0	0.0	22	-	
LG-25 LG-26	3.0-8.0	0.0	0.1	21.7 21.8	-		0.2	0.0	19.7 20.1	-		0.0	1.0 0.3	21.4 21.9	-	
LG-26 LG-27	3.0-8.0	0.0	0.1	21.8	-		0.2	0.0	19.7	-		0.0	0.3	21.9	-	
LG-28	3.0-8.0	0.0	0.3	21.6	-		0.2	1.2	18.8	-		0.0	1.2	19.2	-	
LG-29	3.0-8.0			Damaged					Damaged	1				Damaged	1	1
LG-30 LG-31	5.0-10.0 7.0-12.0	0.0	0.4	21.4 21.9	-		0.2	2.1	18.2 17.1	-		0.0	0.5	21.7 21.1	-	
LG-32	3.0-8.0	0.0	0.1	21.9	-		0.2	9.5	11.2	-		0.0	1.5	21.1	-	
LG-33	7.0-12.0	0.0	0.1	21.9	-		0.2	0.1	19.7	-		0.0	0.2	21.8	-	
LG-34 LG-35	3.0-8.0 4.0-9.0	0.0	0.4	21.8 19.8	-		0.1	<u>3.4</u> 9.0	15.9 13	-		0.0	0.3	21.7 21.5	-	
LG-36	9.0-14.0	0.0		nmissioned			0.2		nmissioned			0.0		nmissioned)8/1/07	
LG-37	7.0-12.0			nmissioned				Deco	nmissioned	08/1/07			Decor	nmissioned	08/1/07	
LG-38	7.0-12.0			nmissioned					nmissioned					nmissioned		
LG-39 LG-40	7.0-12.0 7.0-12.0			nmissioned nmissioned					nmissioned (nmissioned (nmissioned (nmissioned (
Upgradient West E			20001		00/1/01			2000					20001		0, 1, 01	
LG-56	10.0-25.0	0.0	0.1	21.3	-		0.1	13.6	3.6	-				nument dam	, č	
LG-57 LG-58	10.0-35.0 8.0-28.0	0.0	0.1	21.3 21.4	-		2.1 0.2	<u>11.1</u> 1.5	3.4 18	-		0.0	0.9	21.4	-	
LG-76	20.0-35.0	0.0	0.1	21.4	-		0.2	3.6	14.2	-		0.0	0.7	22.4	-	
LG-77	15.0-35.0			d Broken	Stopcock		7.1	11.4	12.7	-		10.0	30.8	7.2	-	
LG-78	10.0-25.0	0.0	0.1	21.4	-		0.2	9.3	8.2	-		0.0	0.2	21.8	-	
Northern Landfill E LG-1	3.5-6		Docon	nmissioned	7/11/10			Doco	nmissioned	7/11/10			Docor	nmissioned [·]	7/11/10	
LG-11	3.5-5.5			Ionument fil					Ionument fill					Innissioned Ionument fill		
LG-12	3.5-5.5		Sampl	e port filled				Samp	e port filled				Samp	le port filled v		
LG-41 LG-42	5.0-10.0 8.0-13.0	0.0	6.3	9.8 nmissioned	-		0.2	13.2	5 nmissioned	-		0.0	4.3	16.9 nmissioned	-	
LG-43	3.0-8.0	0.7	0.7	20.5	-		0.1	0.7	19.7	-		0.0	0.6	21.2	-	
LG-44	3.0-8.0		Covered b	y building d	emo debris				y building d		1			by building d		
LG-45	3.0-8.0			y building d	emo debris	1			by building d	emo debris				by building d	emo debris	
LG-46	10.0-15.0	6.0	0.1	19.6	-		8.2	3.8	17.9	-		2.0	2.0	20.3	-	
LG-47 LG-55	5.0-10.0 6.0-16.0	0.0	Under soil/se 6.7	aiments, co 13.7		e 	0.1	5.8 0.8	eaiments, co 13.3	uld not locate	9	0.0	Under soll/s	ediments, co 3.2	uid not locat	e
LG-59	5.0-15.0	0.0	3.8	15.8	-				uried under	fill				Buried under	fill	
LG-60	5.0-15.0		Mor	nument dam		. <u></u>		Мо	nument dam	aged			Moi	nument dam		
LG-61	5.0-15.0	0.0	0.2	21.7	-		0.1	0	20.2	-		0.0	3.9	13	-	
LG-62 LG-67	5.0-15.0	0.0	0.2	21.7 21.6	-				uried under			0.0	0.3	20.2 21.3	-	
LG-67 LG-68	2.0-5.0	0.0	0.1	21.6	-				Suried under			0.0		ZI.3 Buried under	fill	1
LG-69	2.0-5.0			Suried under		•			uried under					Buried under		
LG-70	3.0-7.0	0.0	0.0	21.7	-		0.1	0.8	19.3	-			E	Buried under	fill	
Utility Trenches																
I-5 (west end) LG-48	3.0-6.0		R	uried under	fill			F	uried under	fill			F	Buried under	fill	
LG-49	2.5 to 6		Decon	nmissioned	6/20/08			Deco	nmissioned (6/20/08			Decor	nmissioned	6/20/08	
LG-50	4.0-12.0			ent tilted / c					nent tilted / d					nent tilted / d		
LG-51 LG-63	3.0-5.0			uried under					uried under					Buried under nmissioned		
LG-64	4.0-7.0			nmissioned					nmissioned (nmissioned		
LG-65	5.0-15.0			nmissioned					nmissioned					nmissioned		
LG-66 LG-74	5.0-8.0			d under brid uried under					d under bride uried under					d under bridg Buried under		
LG-74 LG-75	3.0-5.0			ecommissio					ecommissior					ecommissior		
LG-79	2.0-4.0		Mor	nument dam	aged			Мо	nument dama	aged			Moi	nument dam	aged	
LG-80 LG-81	2.0-4.0 6.75-11.75			nument dam nument dam	<u> </u>				nument dam					nument dam		
LG-81 LG-85	0.70-11.70		IVIVI	In the second	ayou			UIVI	iament udifi	2900			IVIOI	ioment udiff	agou	
LG-86																
LG-87																
Landfill Exterior (n LG-88	orth west end) 3-10															
LG-89	3-10															
LG-90	3-10															
Eclipse (east end)	2000		-	Domocrael 4"	04				Damaged 1/0	14				Damaged 1/0	14	
LG-52 LG-53	3.0-8.0 2.5-4.0			Damaged 1/ Suried under					Damaged 1/0 Suried under					Damaged 1/0 Buried under		
LG-54	3.0-6.0			uried under					uried under					Buried under		
			0.5	04 5	-		0.1	9.0	6.7	-			Line			
LG-71	4.0-6.0	0.0	0.5	21.5	-									er stagnant		
	4.0-6.0 2.5-4.0 4.0-6.0	0.0 0.0 0.0	0.5	21.5 21.5 21.5	-		0.1	0.8	19.3 20.6	-			Und	er stagnant er stagnant er stagnant	water	





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Table 1A Everett Landfill - Recent Gas Probe Monitoring

INA Project No. 8				E	Everett L	.andfill -	Recent	Gas Pr	obe Mo	nitoring	l					
	Screen Interval	CH4 %	Date CO2 %	1/14/16 O2 %	Pressure H20	Water Depth (ft)	CH4 %	Date CO2 %	4/7/16 O2 %	Pressure H20	Water Depth (ft)	CH4 %	Date CO2 %	7/15/16 O2 %	Pressure H20	Water Depth (ft)
Landfill Interior	interval	70	70	70	1120	Deptil (it)	70	70	70	1120	Depth (it)	78	70	78	1120	Deptil (it)
_G-2a	4.0-9.0			Damaged					Damaged					Damaged		
LG-2b LG-2c	12.0-17.0 20.0-25.0			Damaged					Damaged					Damaged Damaged		
LG-20 LG-3a	7.0-12.0		Decor	Damaged nmissioned				Decor	Damaged nmissioned 2	2/21/08			Deco	mmissioned :	2/21/08	
LG-3b	15.0-20.0			nmissioned					nmissioned 2					mmissioned		
LG-5	3.5-6.5		Decor	nmissioned	2/18/03			Decor	nmissioned 2	2/18/03			Deco	mmissioned	2/18/03	~
LG-6	5.0-10.0			nmissioned					nmissioned 2					mmissioned		
LG-8	5.0-8.0			nmissioned					nmissioned 2					mmissioned		
LG-9a LG-9b	4.0-9.0			nmissioned nmissioned					nmissioned 2 nmissioned 2					mmissioned : mmissioned :		
LG-9c	20.0-25.0	-		nmissioned					nmissioned 2					mmissioned		
LG-10a	4.0-9.0			nmissioned					nmissioned 2					mmissioned		
LG-10b LG-10c	11.0-16.0 18.0-23.0			nmissioned nmissioned					nmissioned 2 nmissioned 2					mmissioned : mmissioned :		
LG-100 LG-13	4.0-10.0			nmissioned					nmissioned 2					mmissioned		
LG-14	4.0-8.0	0.0	0.1	21.2	-		3.5	2.3	16.7	-		0.4	10.4	8.7	-	
LG-15	4.0-10.0	68.7	10.1	6.0	-		14.2	2.7	14.3	-		3.9	2.4	19.2	-	
LG-16	4.0-10.0	0.0	0.1	21.0	-		6.9	0.7	17.5 nmissioned 2	-		27.8	8.5	0.5	-	
LG-17 LG-18	4.0-9.0			nmissioned nmissioned					nmissioned 2					mmissioned : mmissioned :		
LG-19	5.0-12.5			nmissioned					nmissioned 2					mmissioned		
LG-20	4.0-9.0			nmissioned					nmissioned '					mmissioned		
LG-82							67.2	7.3	2.8	-		77.6	11.8	1	-	1
LG-83 LG-84							71.2 72.9	15.5 22.9	1.6	-		77.8 65.7	16.7 29.9	0.6	-	+
West Boundary		l					72.9	22.9	1.8	-	J	05.7	29.9	0.2	-	L
LG-21	3.0-5.0	0.0	0.1	21.3	-		0.0	0.2	19.8	-		0.0	0.2	21.2	-	
LG-22	3.0-5.0			Damaged	-				Damaged					Damaged		
LG-23	3.0-5.0	0.0	0.2	21.2	-		0.0	0.2	20.3	-		0.0	0.2	21.2	-	
LG-24	3.0-8.0	0.0	0.2	21.2	-		0.0	0.2	20.2	-		0.0	0.2	21.2	-	
LG-25 LG-26	3.0-8.0 3.0-8.0	0.0	0.3	18.5 21.4	-		0.0	0.4	18.4 20.2	-		0.0	0.4	18.5 21	-	+
LG-26 LG-27	3.0-8.0	0.0	0.3	21.4	-		0.0	0.2	20.2	-		0.0	0.3	20.2	-	+
LG-28	3.0-8.0	0.0	1.3	19.7	-		0.0	2.5	17.6	-		0.0	3.6	18.5	-	<u>t</u>
LG-29	3.0-8.0			Damaged					Damaged					Damaged		
LG-30	5.0-10.0	0.0	2.7	18.7	-		0.0	2.8	16.7	-		0.0	3.4	18.7	-	
LG-31 LG-32	7.0-12.0 3.0-8.0	0.0	2.3 6.8	18.8 11.8	-		0.0	0.3	20.1	-		0.0	1.5 9.9	19 11	-	
LG-32 LG-33	7.0-12.0	0.0	0.0	21.3	-		0.0	0.3	20.3	-		0.0	0.2	21.3	-	-
LG-34	3.0-8.0	0.0	2.7	18.5	-		0.0	2.7	16.3	-		0.0	2.9	18.5	-	
LG-35	4.0-9.0	0.0	1.1	15.7	-		0.0	6.6	6.2	-		0.0	11.2	10.9	-	
LG-36	9.0-14.0			nmissioned					nmissioned (mmissioned		-
LG-37 LG-38	7.0-12.0			nmissioned					nmissioned (nmissioned (mmissioned mmissioned		
LG-39	7.0-12.0			nmissioned					nmissioned (mmissioned		
LG-40	7.0-12.0		Decor	nmissioned	08/1/07				nmissioned (mmissioned		
Upgradient West																
LG-56	10.0-25.0			nument dam					nument dama	,°				nument dam	,°	
LG-57 LG-58	10.0-35.0 8.0-28.0	0.0	1.6 0.2	20.4 21.2	-		0.0	0.7	19.8 21	-		0.0	2.1 5.9	17 10.2	-	
LG-76	20.0-35.0	0.0	0.2	21.2	-		0.0	0.5	21.0	-		0.0	0.7	19.9	-	
LG-77	15.0-35.0	9.5	25.0	8.9	-		8.7	24.0	7.0	-		22.7	27.1	4.0	-	
LG-78	10.0-25.0	0.0	0.2	21.3	-		0.0	0.2	21.0	-		0.0	1	20.0	-	
Northern Landfill																
LG-1 LG-11	3.5-6 3.5-5.5			nmissioned Ionument fil					nmissioned 7 Ionument fill					mmissioned Monument fill		
LG-12	3.5-5.5			e port filled					le port filled v					le port filled		
LG-41	5.0-10.0	0.0	7.3	10.8	-		0.0	1.3	20.7	-		0.0	2.0	20	-	
LG-42	8.0-13.0			nmissioned	7/11/10				nmissioned 7	1				mmissioned	7/11/10	
LG-43 LG-44	3.0-8.0 3.0-8.0	0.0	0.6	21	lemo debris		0.0	0.4	20.8 by building de	-		0.0	0.8	19.7 by building d	- omo dobric	
LG-44 LG-45	3.0-8.0				lemo debris				by building de					by building a by building d		
LG-45 LG-46	10.0-15.0	3.4	6.3	18.5	-		1.8	2.0	19.0	-		2.0	2.0	19.0	-	
LG-47	5.0-10.0				ould not locat	e				uld not locate	e		-		uld not locate	e
LG-55	6.0-16.0	0.0	8.7	10.3	-		0.0	8.3	11.9	-		0.0	8.5	10.0	-	
LG-59	5.0-15.0			uried under			0.0	7.6	11.7	-		0.0	8	11.6	-	
LG-60	5.0-15.0			nument dam			0.0		nument dama			0.0		nument dam		T
LG-61 LG-62	5.0-15.0	0.0	0.2	21.2 21.0	-		0.0	0.3	21.0 21.0	-		0.0	0.3	21.0	-	+
LG-62 LG-67	5.0-15.0 5.0-12.0	0.0	0.3	21.0	-		0.0	0.3	21.0	-		0.0	0.2	21.0	-	<u> </u>
LG-68	2.0-5.0	0.0		LI.Z Suried under		1	0.0		ZI.Z Buried under		1	0.0	-	ZI Buried under		L
LG-69	2.0-5.0			uried under					Buried under					Buried under		
LG-70	3.0-7.0			uried under			6.5	15.9	1.6	-		6.5	15.9	1.6	-	
Utility Trenches																
I-5 (west end) LG-48	3.0-6.0			uried under	fill				Buried under	fill			r	Buried under	fill	
LG-48 LG-49	2.5 to 6			nmissioned					nmissioned (mmissioned		
LG-50	4.0-12.0			ent tilted / c					nent tilted / d					nent tilted / d		·
LG-51	3.0-5.0		E	uried under	fill			E	Buried under	fill			E	Buried under	fill	
LG-63	3.0-4.0			nmissioned					nmissioned (mmissioned		
LG-64 LG-65	4.0-7.0 5.0-15.0			nmissioned					nmissioned (mmissioned		
LG-65 LG-66	5.0-15.0	-		nmissioned d under brid			}		nmissioned (d under bridg					mmissioned ed under brid		
LG-74	5.0-7.0			uried under					Buried under					Buried under		
LG-75	3.0-5.0		De	ecommissio	ned			D	ecommissior	ned			D	ecommissior	ned	
LG-79	2.0-4.0			nument dam					nument dama					nument dam		
LG-80 LG-81	2.0-4.0 6.75-11.75			nument dam nument dam					nument dama					nument dam nument dam		
LG-81 LG-85	5.75-11.75	0.0	8.0	5.8	- iageo		0.0	6.3	10.6	ageo -		0.0	12.3	6.4	ageo -	
LG-86		0.0	6.9	8.9	-		0.0	6.5	10.6	-		0.0	14.8	3.6	-	
l G-87		0.0	23	18.9			0.0	22	17.8	· ·		0.0	52	14.6	· ·	T

LG-87		0.0	2.3	18.9	-	0.0	2.2	17.8		0.0	5.2	14.6	-	
Landfill Exterior (north west end)													
LG-88	3-10													
LG-89	3-10													
LG-90	3-10													
Eclipse (east end)														
LG-52	3.0-8.0			Damaged 1/	04			Damaged 1/0)4		[Damaged 1/0)4	
LG-53	2.5-4.0			Buried under	fill			Buried under	fill		E	Buried under	fill	
LG-54	3.0-6.0			Buried under	fill			Buried under	fill		E	Buried under	fill	
LG-71	4.0-6.0		Un	der stagnant	water	0.0	0.7	2.8	-	0.0	1.6	19.0	-	
LG-72	2.5-4.0		Un	der stagnant	water	0.0	0.5	1.6	-	0.0	1.8	18.0	-	
LG-73	4.0-6.0		Un	der stagnant	water	0.0	0.3	1.8	-	0.0	0.3	20.9	-	

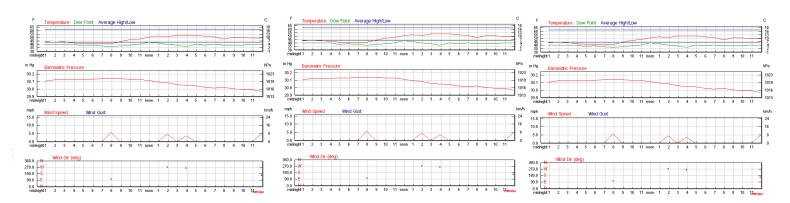
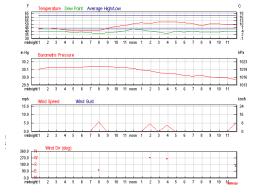
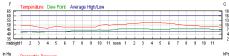


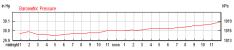
Table 1A Everett Landfill - Recent Gas Probe Monitoring

IWA Project No. 9	98165-670			E	Everett L	.andfill -	Recent	Gas Pro	obe Mo	nitoring	J					
	Screen Interval	CH4 %	Date CO2 %	11/11/16 O2 %	Pressure H20	Water Depth (ft)	CH4 %	Date CO2 %	2/3/17 O2 %	Pressure H20	Water Depth (ft)	CH4 %	Date CO2 %	5/5/17 O2 %	Pressure H20	Water Depth (ft)
andfill Interior							,.									
LG-2a	4.0-9.0			Damaged					Damaged					Damaged		
LG-2b	12.0-17.0	-		Damaged					Damaged					Damaged		
LG-2c LG-3a	20.0-25.0 7.0-12.0		Docor	Damaged nmissioned				Docor	Damaged nmissioned	2/21/08			Doco	Damaged mmissioned	2/21/08	
LG-3b	15.0-20.0	-		nmissioned					nmissioned					mmissioned		
LG-5	3.5-6.5			mmissioned					nmissioned					mmissioned		
LG-6	5.0-10.0			nmissioned					nmissioned					mmissioned		
LG-8	5.0-8.0	-		mmissioned					nmissioned					mmissioned		
LG-9a LG-9b	4.0-9.0 12.0-17.0			nmissioned nmissioned					nmissioned nmissioned					mmissioned mmissioned		
LG-9c	20.0-25.0			nmissioned					nmissioned					mmissioned		
LG-10a	4.0-9.0			mmissioned					nmissioned					mmissioned		
LG-10b LG-10c	11.0-16.0 18.0-23.0	-		nmissioned nmissioned					nmissioned					mmissioned mmissioned		
LG-100 LG-13	4.0-10.0			nmissioned					nmissioned					mmissioned		
LG-14	4.0-8.0	0.0	0.2	20.2	-		0.5	2.2	18.0	-		0.2	0.2	20.6	-	Τ
LG-15	4.0-10.0	15.7	2.5	13.2	-		14.5	2	15.6	-		0.0	0.2	20.7	-	
LG-16 LG-17	4.0-10.0 4.0-9.0	5.6	0.8	0.5 nmissioned	-		4.8	1.2	1.5 nmissioned	-		0.0	0.1	20.8 mmissioned	-	
LG-17 LG-18	4.0-9.0			nmissioned					nmissioned					mmissioned		
LG-19	5.0-12.5	-		nmissioned					nmissioned					mmissioned		
LG-20	4.0-9.0			mmissioned					nmissioned				Deco	mmissioned	11/1/03	
LG-82		54.9	8.5	8.6	-		60.3	7.7	3.4	-		23.4	1.2	14.6	-	
LG-83 LG-84		30.7 46.7	3.8 11.2	<u>16.1</u> 10.2	-		45.6 50.0	6.2 20.1	1.0 0.8	-		17.4 18.9	2.7 1.5	15.8 16	-	+
UG-84 West Boundary		40./	11.2	10.2		Ĺ	30.0	20.1	0.0	-		10.9	1 1.0	10		L
LG-21	3.0-5.0	0.0	0.0	21.3	-		0.0	0.0	21.2	-		0.0	0.0	20.9		1
LG-22	3.0-5.0		1	Damaged	·	•			Damaged	•				Damaged	<u> </u>	
LG-23	3.0-5.0	0.0	0.0	21.4	-		0.0	0.1	21.3	-		0.0	0.0	20.9	-	
LG-24 LG-25	3.0-8.0 3.0-8.0	0.0	0.0	21.3 21.2	-		0.0	0.1	21.3 21.2	-	-	0.0	0.0	20.9 21.4	-	
LG-25 LG-26	3.0-8.0	0.0	0.3	21.2	-		0.0	0.2	21.2	-		0.0	0.0	21.4	-	+
LG-27	3.0-8.0	0.0	0.0	21.4	-		0.0	0.1	21.3	-		0.0	0.0	20.9	-	
LG-28	3.0-8.0	0.0	3.3	15.8	-		0.0	0.8	19.0	-		0.0	0.1	20.9	-	
LG-29	3.0-8.0			Damaged	1				Damaged					Damaged		
LG-30 LG-31	5.0-10.0 7.0-12.0	0.0	2.5 0.1	17.0 21.3	-		0.0	1.2 0.1	19.5 21.2	-	-	0.0	0.2	20.8	-	
LG-32	3.0-8.0	0.0	20.1	1.8	-		0.0	10.1	11.7	-		0.0	0.0	21.0	-	-
LG-33	7.0-12.0	0.0	0.2	21	-		0.0	0.1	21.2	-		0.0	0.0	21.0	-	
LG-34	3.0-8.0	0.0	2.4	18.7	-		0.0	2.0	18.7	-		0.0	0.2	20.9	-	
LG-35	4.0-9.0	0.0	9.4	2.9	-		0.0	8.0	11	-		0.0	0.3	20.8	-	
LG-36 LG-37	9.0-14.0 7.0-12.0			nmissioned					nmissioned					mmissioned mmissioned		
LG-38	7.0-12.0	-		nmissioned					nmissioned					mmissioned		
LG-39	7.0-12.0	1		nmissioned	00/1/07				nmissioned	/ . /			-	mmissioned	00/1/07	
LG-40	7.0-12.0		Decor	mmissioned	08/1/07			Decor	nmissioned	08/1/07			Deco	mmissioned	08/1/07	
Upgradient West	1	-													<u> </u>	
LG-56 LG-57	10.0-25.0 10.0-35.0	0.0	0.5	nument dam 20.1	laged	1	0.0	0.5	ument dam 20.1	aged		0.0	0.2	nument dam 20.8	aged	<u> </u>
LG-58	8.0-28.0	0.0	1.3	18.6	-		0.0	1.3	18.6	-		0.0	0.2	20.0		
LG-76	20.0-35.0	0.0	0.7	20.0	-		0.0	0.2	21.0	-		0.0	0.2	20.8		
LG-77	15.0-35.0	19.5	26.3	5.1	-		15.5	20.1	4.6	-		10.9	15.6	19.8		
LG-78	10.0-25.0	0.0	0.2	21.2	-		0.0	0.2	21.2	•		0.0	0.0	20.9		
Northern Landfill LG-1	3.5-6	-	Decor	nmissioned	7/11/10			Decor	nmissioned	7/11/10			Deco	mmissioned	7/11/10	
LG-11	3.5-5.5	-		Aonument fil					Ionument fil					Monument fill		
LG-12	3.5-5.5			le port filled					e port filled					ole port filled		
LG-41	5.0-10.0	0.0	3.5	14.1	-		0.0	1.1	20.3	-		0.0	0.0	20.9	-	
LG-42 LG-43	8.0-13.0 3.0-8.0	0.0	Decor 0.1	nmissioned 20.3	7/11/10		0.0	Decor 0.2	nmissioned 21.2	7/11/10	1	0.0	Deco 0.0	mmissioned 20.9	7/11/10	
LG-43 LG-44	3.0-8.0	0.0		20.3 by building d	lemo debris		0.0			emo debris		0.0		20.9 by building d	emo debris	
LG-45	3.0-8.0			by building d			1			emo debris				by building d		
LG-46	10.0-15.0	Covere	ed by Diversif			property		d by Diversifi	ed preload/f	ill, on private	,		d by Diversi	fied preload/f	ill, on private	,
LG-47	5.0-10.0				ould not locat	e		Under soil/se		1	te				ould not locat	e
LG-55	6.0-16.0	0.0	10.1	9.5	-		0.0	7.7	15.0	-		0.0	0.9	19.2		
LG-59 LG-60	5.0-15.0 5.0-15.0	0.0	0.1 Mor	20.3 nument dam			0.0	0.2 Mor	21.3 iument dam		1	0.0	0.0	21.0 nument dam		
LG-60 LG-61	5.0-15.0		Appears dam			ed	Δ	ivior oppears dama			ved	А			ageo ment destroy	ed
LG-62	5.0-15.0	a '		nument dam		-	,		ument dam					nument dam		
LG-67	5.0-12.0			nument dam	•				ument dam	0		L		nument dam	•	
LG-68	2.0-5.0		E	Buried under	fill			В	uried under	fill				Buried under	fill	
LG-69	2.0-5.0		1	Buried under	fill				uried under	fill				Buried under	fill	
LG-70	3.0-7.0	0.0	3.0	15.9	-		0.5	3.5	18	-		0.0	3.1	15.5	<u> </u>	
Utility Trenches I-5 (west end)												-				
LG-48	3.0-6.0		E	Buried under	fill			В	uried under	fill				Buried under	fill	
LG-49	2.5 to 6	-		nmissioned					nmissioned					mmissioned		
LG-50 LG-51	4.0-12.0 3.0-5.0			nent tilted / c					ent tilted / c			l		ment tilted / d		
LG-51 LG-63	3.0-5.0			Buried under mmissioned					uried under nmissioned					Buried under mmissioned		
LG-64	4.0-7.0			mmissioned					nmissioned					mmissioned		
LG-65	5.0-15.0		Decor	mmissioned	6/20/08			Decor	nmissioned	6/20/08				mmissioned		
LG-66	5.0-8.0			d under brid					d under brid					ed under brid		
LG-74	5.0-7.0			Buried under					uried under					Buried under		
LG-75 LG-79	3.0-5.0 2.0-4.0	-		ecommissio nument dam					commissio					ecommission		
LG-79 LG-80	2.0-4.0	1		nument dam			1		ument dam					nument dam		
LG-81	6.75-11.75		Moi	nument dam			l	Mor	ument dam				Mc	nument dam		<u> </u>
LG-85		0.0	0.0	20.7	-		0.0	0.2	21.2	-		0.0	0.0	20.9	-	
LG-86 LG-87		by pile of gi	ravel under I-8	o, may still b	e runctional o	once gravel is	by pile of gra	avel under I-5	, may still b	e functional	once gravel is once gravel is	0.0	0.8	20.3 20.7	-	+
LG-0/				s, may sun D		noo yiavei is	by prie or gra		, may sull D	o ranouoridi	Shoe yravel 15	0.0	0.2	20.7	+	+

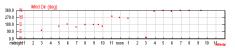
LG-87		by pile of gra	vel under I-	5, may still be	e functional o	once gravel is	by pile of gr	avel under I-	5, may still b	e functional c	nce gravel is	0.0	0.2	20.7	-	
Landfill Exterior (north west end)															
LG-88	3-10															
LG-89	3-10															
LG-90	3-10															
Eclipse (east end))															
LG-52	3.0-8.0		I	Damaged 1/0)4				Damaged 1/0)4			C	Damaged 1/0	4	
LG-53	2.5-4.0		E	Buried under	fill			E	Buried under	fill			В	uried under f	ill	
LG-54	3.0-6.0		E	Buried under	fill			E	Buried under	fill			В	uried under f	ill	
LG-71	4.0-6.0	0.0	1.2	19.8	-		0.0	0.8	20.2	-		0.0	0.5	19.9	-	
LG-72	2.5-4.0	0.0	0.9	20.0	-		0.0	0.5	21.0	-		0.0	0.3	20.4	-	
LG-73	4.0-6.0	0.0	0.6	21.3	-		0.0	0.2	21.2	-		0.0	0.2	20.7	-	

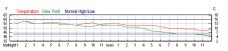


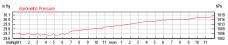


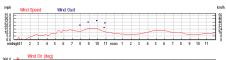












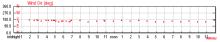


 Table 1A

 Everett Landfill - Recent Gas Probe Monitoring

					Everett	Landfill	- Rece	nt Gas	Probe M	onitorin	g					
	Screen Interval	CH4 %	Date CO2 %	7/27/17 O2 %	Pressure H20	Water Depth (ft)	CH4 %	Date CO2 %	11/6/17 02 %	Pressure H20	Water Depth (ft)	CH4 %	Date CO2 %	1/31/18 O2 %	Pressure H20	Water Depth (ft)
Landfill Interior										-	r (**				-	
LG-2a	4.0-9.0			Damaged					Damaged					Damage		
LG-2b	12.0-17.0			Damaged					Damaged					Damage		
LG-2c	20.0-25.0		Daaa	Damaged	2/24/00			Dee	Damaged				Deer	Damage		
LG-3a LG-3b	7.0-12.0			mmissioned mmissioned					ommissioned ommissioned					mmissioneo		
LG-5	3.5-6.5	· · · · · · · · · · · · · · · · · · ·		mmissioned					ommissioned					mmissioned		
LG-6	5.0-10.0			mmissioned					ommissioned					mmissioned		
LG-8	5.0-8.0			mmissioned					ommissioned					ommissioned		
LG-9a LG-9b	4.0-9.0			mmissioned mmissioned					ommissioned ommissioned					mmissione		
LG-90 LG-9c	20.0-25.0			mmissioned					ommissioned					mmissioneo		
LG-10a	4.0-9.0			mmissioned			-		ommissioned					mmissioned		
LG-10b	11.0-16.0			mmissioned					ommissioned					ommissioned		
LG-10c	18.0-23.0			mmissioned					ommissioned					mmissione		
LG-13 LG-14	4.0-10.0	0.2	0.2	mmissioned 20.9	-		0.3	0.1	ommissioned 21.5	-		4.9	8.9	mmissioneo	-	
LG-14 LG-15	4.0-10.0	3.5	0.2	20.3	-		2.0	0.7	20.6	-		3.4	4.5	15.6	-	[
LG-16	4.0-10.0	1.2	0.1	20.6	-		0.4	0.1	21.8	-		0.5	1.2	20.1	-	<u> </u>
LG-17	4.0-9.0			mmissioned					ommissioned					mmissioned		
LG-18	4.0-9.0			mmissioned					ommissioned					mmissioned		
LG-19 LG-20	5.0-12.5 4.0-9.0			mmissioned mmissioned					ommissioned ommissioned					mmissioneo		
LG-20 LG-82	4.0-9.0	44.1	13.6	5.1	-		64	13.6	3.5	-		55.6	9.6	1.8	-	
LG-83		42.9	17.2	6.9	-		75	16.9	0.5	-		77.5	13.6	0.5	-	
LG-84		48.8	26.4	5.9	-		62.3	12	0.9	-		72.9	20.6	1.8	-	
West Boundary	0.050			00.0				0.0	00.0	1				00.0		
LG-21	3.0-5.0	0.0	0.0	20.9			0.0	0.0	20.6			0.0	0.1	20.9		<u> </u>
LG-22 LG-23	3.0-5.0 3.0-5.0	0.0	0.0	Damaged 20.9	-		0.0	0.0	Damaged 20.4	-		0.0	0.1	Damage 20.9	d	
LG-23 LG-24	3.0-5.0	0.0	0.0	20.9	-		0.0	0.0	20.4	-		0.0	0.1	20.9	-	i
LG-25	3.0-8.0	0.0	0.0	20.8	-		0.0	0.0	20.3	-		0.0	0.1	20.8	-	
LG-26	3.0-8.0	0.0	0.0	20.8	-		0.0	0.0	20.3	-		0.0	0.1	20.8	-	
LG-27 LG-28	3.0-8.0 3.0-8.0	0.0	0.0	20.8	-		0.0	0.0	20.5	-		0.0	0.1	20.9 20.9	-	
LG-28 LG-29	3.0-8.0	0.0	0.0	Damaged	-		0.0	0.0	Damaged			0.0	0.1	Damage		<u> </u>
LG-30	5.0-10.0	0.0	0	20.9	-		0.0	0	20.3	-		0.0	1.0	19.7	-	[
LG-31	7.0-12.0	0.0	0.0	21.0	-		0.0	0.0	20.5	-		0.0	0.1	20.9	-	
LG-32	3.0-8.0	0.0	0.0	21.0	-		0.0	0.0	20.5	-		0.0	5.6	16.4	-	
LG-33	7.0-12.0	0.0	0.0	21.0	-		0.0	0.0	20.6	-		0.0	0.1	20.9	-	l
LG-34 LG-35	3.0-8.0 4.0-9.0	0.0	0.1	20.9	-		0.0	0.1	20.6	-		0.0	0.5	19.7 10.9	-	l
LG-36	9.0-14.0	0.0		mmissioned			0.0		ommissioned			0.0		mmissione	1 08/1/07	
LG-37	7.0-12.0			mmissioned					ommissioned					mmissioned		
LG-38	7.0-12.0			mmissioned					ommissioned					ommissioned		
LG-39	7.0-12.0			mmissioned					ommissioned					ommissioned		
LG-40 Upgradient West	7.0-12.0		Deco	mmissioned	08/1/07			Dec	ommissioned	08/1/07			Deco	ommissioned	1 08/1/07	
LG-56	10.0-25.0		Мо	nument dam	aged			M	lonument dan	naged			Mo	onument dar	maged	
LG-57	10.0-35.0	0.0	0.2	20.8			0.0	2.1	20.1	-		0.0	2.5	19.2	-	[
LG-58	8.0-28.0	0.0	0.0	20.9	-		0.0	0.3	20.4	-		0.0	5.0	13.1	-	ļ
LG-76	20.0-35.0	0.0 5.9	0.2 9.9	20.8 19.5	-		0.0 6.7	4.6	14.3	-		0.0 9.9	4.5 5.7	13.4 5.3	-	
LG-77 LG-78	15.0-35.0 10.0-25.0	0.0	0.0	20.9	-		0.0	23.0 0.0	8.9 20.9	-		0.0	3.2	20.2	-	l
Northern Landfill		0.0	0.0	20.5			0.0	0.0	20.5			0.0	0.2	20.2		1
LG-1	3.5-6		Deco	mmissioned	7/11/10			Dec	ommissioned	7/11/10			Deco	mmissioned	d 7/11/10	
LG-11	3.5-5.5			Monument fill					Monument fi					Monument f		
LG-12	3.5-5.5			ole port filled	with dirt	1			ple port filled	with dirt				ple port filled	d with dirt	
LG-41 LG-42	5.0-10.0 8.0-13.0	0.0	0.0	21 mmissioned	- 7/11/10		0.0	7.6	8 ommissioned	-		0.0	0.4	21.6 mmissioned	-	L
LG-42 LG-43	3.0-8.0	0.0	0.0	21	-		Cove		sified preload/		property	Cover			/fill, on private	property
LG-44	3.0-8.0		Covered	by building d	emo debris				d by building o		,				demo debris	
LG-45	3.0-8.0			by building d					d by building o					, ,	demo debris	
LG-46	10.0-15.0				ill, on private		Cove		ified preload/			Cover	,		/fill, on private	
LG-47 LG-55	5.0-10.0 6.0-16.0			,	ould not locat	e T	0.0	Under soil/ 10.8	/sediments, c	ould not locat	e	0.0		,	could not loca	ie
LG-55 LG-59	5.0-16.0	0.0	0.0	20.8	-		0.0	10.8	8.7	-		0.0	7.2	13.9 20.9	-	
LG-59 LG-60	5.0-15.0	0.0		nument dam	aged	1	0.0	-	20.0 Ionument dam	naged		0.0		20.9 onument dar		
LG-61	5.0-15.0	A			ment destroy	ed			maged, monu		ed				ument destroy	/ed
LG-62	5.0-15.0	_		nument dam					lonument dan					onument dar		
LG-67	5.0-12.0		Mo	nument dam	aged			M	lonument dam	naged			Mo	onument dar	maged	
LG-68	2.0-5.0		E	Buried under	fill				Buried under	fill				Buried unde	er fill	
LG-69	2.0-5.0			Buried under		T			Buried under			-	1	Buried unde	er fill	1
LG-70	3.0-7.0	0.0	3.1	15.5	-		0.0	0.7	20.3	-		0.0	0.6	20.9	-	
Utility Trenches I-5 (west end)																
LG-48	3.0-6.0		E	Buried under	fill				Buried under	· fill				Buried unde	er fill	
LG-49	2.5 to 6		Deco	mmissioned	6/20/08				ommissioned					mmissioned		
LG-50	4.0-12.0			nent tilted / d				Monu	ument tilted / o					ment tilted /		
LG-51 LG-63	3.0-5.0 3.0-4.0			Buried under mmissioned				Doo	Buried under ommissioned					Buried unde		
LG-63 LG-64	4.0-7.0			mmissioned					ommissioned					mmissioned		
LG-65	5.0-15.0			mmissioned					ommissioned					mmissioned		
LG-66	5.0-8.0		Burie	ed under brid	ge pier				ied under brid	lge pier			Buri	ed under bri	dge pier	
LG-74	5.0-7.0			Buried under					Buried under					Buried unde		
LG-75 LG-79	3.0-5.0 2.0-4.0			ecommission					Decommissio					Decommissi		
LG-79 LG-80	2.0-4.0	1		nument dam					lonument dan lonument dan					onument dar onument dar		
LG-81	6.75-11.75			nument dam				Μ	lonument dam	naged			Mo	onument dar		
LG-85		0.0	0.0	20.9				Μ	lonument dam			0.0	5.5	11.8		1
LG-86		0.0	0.0	20.9	-		0.0	0.1	20.8	-		0.0	5.5	12.9	-	

LG-80		0.0	0.0	20.9	-	0.0	0.1	20.8	-		0.0	5.5	12.9	-	
LG-87		0.0	0.0	21	-	0.0	0.1	20.8	-		0.0	3.7	16.3	-	
Landfill Exterior (north west end)														
LG-88	3-10														
LG-89	3-10														
LG-90	3-10														
Eclipse (east end))														
LG-52	3.0-8.0			Damaged 1/0	4		•	Damaged 1/	04				Damaged 1/	/04	
LG-53	2.5-4.0		E	Buried under f	ill	Buried under fill							Buried under	r fill	
LG-54	3.0-6.0		E	Buried under f	ill	Buried under fill					Buried under fill				
LG-71	4.0-6.0	0.0	0.5	21.9	-	0.0	0.7	20.3	-		0.0	0.0	21.9	-	
LG-72	2.5-4.0	0.0	0.3	21.4	-	0.0	0.4	20.4	-		0.0	0.0	22.0	-	
LG-73	4.0-6.0	0.0	0.2	20.2	-	0.0	0.4	20.4	-		0.0	0.0	22.0	-	

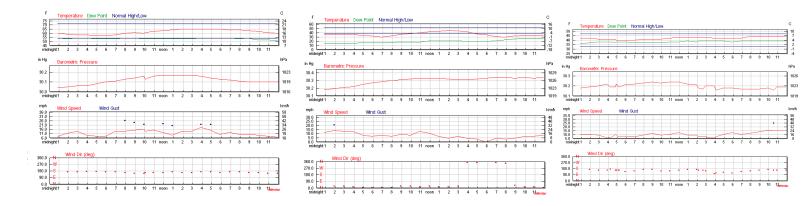
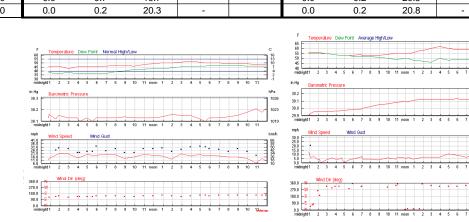


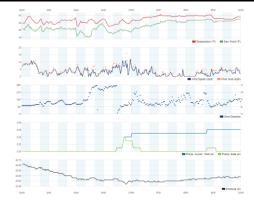
 Table 1A

 Everett Landfill - Recent Gas Probe Monitoring

		Landfill	II - Recent Gas Probe Monitoring														
			Date	4/13/18				Date	6/25/18				Date	10/31/18			
	Screen Interval	CH4 %	CO2 %	02 %	Pressure H20	Water Depth (ft)	CH4 %	CO2 %	02 %	Pressure H20	Water Depth (ft)	CH4 %	CO2 %	02 %	Pressure H20	Water Depth (ft)	
Landfill Interior	interval	70	70	70	H2U	Depth (it)	-70	70	70	H2U	Depth (It)	70	70	70	ΠZU	Depth (it)	
LG-2a	4.0-9.0			Damaged					Damaged					Damaged		<u>I</u>	
LG-2b	12.0-17.0			Damaged					Damaged			Damaged					
LG-2c	20.0-25.0			Damaged					Damaged			Damaged					
LG-3a	7.0-12.0	-		mmissioned			Decommissioned 2/21/08					Decommissioned 2/21/08					
LG-3b	15.0-20.0			mmissioned					nmissioned					ommissioned 2			
LG-5 LG-6	3.5-6.5 5.0-10.0			mmissioned mmissioned					nmissioned :					ommissioned 2 ommissioned 2			
LG-8	5.0-8.0			nmissioned			Decommissioned 2/21/08 Decommissioned 2/21/08						ommissioned 2				
LG-9a	4.0-9.0			nmissioned			Decommissioned 2/21/08 Decommissioned 2/21/08							ommissioned 2			
LG-9b	12.0-17.0			mmissioned			Decommissioned 2/21/08							ommissioned 2			
LG-9c	20.0-25.0			nmissioned					nmissioned					ommissioned 2			
LG-10a LG-10b	4.0-9.0 11.0-16.0			nmissioned nmissioned					nmissioned : nmissioned :					ommissioned 2 ommissioned 2			
LG-10c	18.0-23.0			nmissioned					nmissioned					ommissioned 2			
LG-13	4.0-10.0		Decor	nmissioned	2/21/08		Decommissioned 2/21/08						Deco	ommissioned 2	2/21/08		
LG-14	4.0-8.0	25.8	9.6	3.8	-		10.9	6	5.5	-		0.0	0.1	21.0	-		
LG-15 LG-16	4.0-10.0 4.0-10.0	15.0 29.1	1.4 13.5	10.8 9.2	-		15.0 4.2	4	11.2 19.0	-		12.3 0.0	5.5 0.1	10.0 21.0	-		
LG-10 LG-17	4.0-9.0	23.1		nmissioned			7.2		nmissioned			0.0		ommissioned 2	2/21/08	L	
LG-18	4.0-9.0			nmissioned					nmissioned					ommissioned 2			
LG-19	5.0-12.5			mmissioned					nmissioned				Deco	ommissioned [·]	11/1/03		
LG-20	4.0-9.0	50.0		nmissioned		1	10		nmissioned			47.0		ommissioned	11/1/03	т	
LG-82 LG-83		50.6 61.7	10.7 15.1	1.7 3.4	-		43 68.6	<u>6.1</u> 21.4	4.8	-		17.9 75.9	13.2 21.4	13.7 0.0	-	+	
LG-84		50.7	21.6	4.7	-		50.2	21.4	3.6	-		11.5	21.4	15.5	-	+	
West Boundary				•	·					·	·		•		• <u> </u>	·	
LG-21	3.0-5.0	0.0	0.1	20.9			0.0	0.2	21.0			0.0	0.1	21.0	-		
LG-22	3.0-5.0			Damaged					Damaged					Damaged			
LG-23 LG-24	3.0-5.0	0.0	0.1	20.9	-		0.0	0.2	21.0	-		0.0	0.2	21.0 21.0	-		
LG-24 LG-25	3.0-8.0 3.0-8.0	0.0	0.1	20.9	-		0.0	0.2	21.0 21.0	-		0.0	0.2	18.5	-	+	
LG-25 LG-26	3.0-8.0	0.0	0.1	20.9	-		0.0	0.2	21.0	-		0.0	0.3	21.0	-	1	
LG-27	3.0-8.0	0.0	0.1	20.9	-		0.0	0.2	21.0	-		0.0	0.3	21.0	-		
LG-28	3.0-8.0	0.0	0.1	20.9	-		0.0	0.2	21.0	-		0.0	1.3	19.7	-		
LG-29	3.0-8.0			Damaged					Damaged		1			Damaged			
LG-30 LG-31	5.0-10.0 7.0-12.0	0.0	0.5	20.4 20.9	-		0.0	2.1	18.2 17.1	-		0.0	2.7	18.0 18.2	-	<u> </u>	
LG-32	3.0-8.0	0.0	3.2	17.8	-		0.0	3.2	17.8	-		0.0	6.8	9.9	-		
LG-33	7.0-12.0	0.0	0.1	20.9	-		0.0	0.1	20.9	-		0.0	0.3	21.0	-		
LG-34	3.0-8.0	0.0	0.1	20.9	-		0.0	5.2	14.4	-		0.0	2.7	18.5	-	<u> </u>	
LG-35 LG-36	4.0-9.0 9.0-14.0	0.0	0.1	20.9 nmissioned	09/1/07		0.0	6.6	12.5 nmissioned			0.0	1.1	15.2 ommissioned (-		
LG-37	7.0-12.0			nmissioned					nmissioned					ommissioned (
LG-38	7.0-12.0			mmissioned				Decor	nmissioned	08/1/07			Deco	ommissioned (08/1/07		
LG-39	7.0-12.0								nmissioned					ommissioned (
LG-40 Upgradient West	7.0-12.0		Decor	mmissioned	08/1/07			Decor	nmissioned	08/1/07			Deco	ommissioned (08/1/07		
LG-56	10.0-25.0		Mo	nument dam	hane			Mor	nument dam	anad			M	onument dama	hanc		
LG-57	10.0-35.0	0.0	0.1	20.9	-		0.0	0.2	21	-		0.0	1.1	20.5	-		
LG-58	8.0-28.0	0.0	0.7	20	-		0.0	0.5	19.9	-		0.0	0.2	21	-		
LG-76	20.0-35.0	0.0	5.5	16.1	-		0.0	6.8	15.5	-		0.0	0.3	21.0	-	<u> </u>	
LG-77 LG-78	15.0-35.0 10.0-25.0	15.3 0.0	6.3 0.0	4.1 20.9	-		18.0 0.0	3.2	5.0 20.9	-		9.5	20.0	10.1 21.0	-		
Northern Landfill		0.0	0.0	20.9	-		0.0	0.3	20.9	-		0.0	0.3	21.0	-	<u> </u>	
LG-1	3.5-6		Decor	nmissioned	7/11/10			Decor	nmissioned	7/11/10			Deco	ommissioned	7/11/10		
LG-11	3.5-5.5			lonument fill					lonument fill					Monument fill			
LG-12	3.5-5.5			le port filled	with dirt	1			e port filled	with dirt	1			ple port filled v	with dirt		
LG-41 LG-42	5.0-10.0 8.0-13.0	0.0	0.5	20.6 nmissioned	- 7/11/10		0.0	0.8	20.2 nmissioned	- 7/11/10		0.0	5.5 Decc	13.2 ommissioned 7	-		
LG-42 LG-43	3.0-8.0	Covere	d by Diversif			property	Covered			ill, on private	property	Covere		ified preload/fi		property	
LG-44	3.0-8.0			by building d		1 1 2			by building d		1 -1 - 7			by building de			
LG-45	3.0-8.0	-		by building d					by building d					l by building de			
LG-46	10.0-15.0	Covere	ed by Diversif					,		ill, on private	,	Covere		ified preload/fi	· · ·	,	
LG-47 LG-55	5.0-10.0 6.0-16.0	0.0		,	uld not locat	e I	0.0		,	uld not locate	e	0.0	Under soil/ 8.7	sediments, co	uld not locate) T	
LG-55 LG-59	6.0-16.0 5.0-15.0	1.6	7.0	11.8 1.9	-		0.0	8.5 13.2	10.0 1.5	-		0.0	8.7 15.5	10.5 10.9	-	+	
LG-59 LG-60	5.0-15.0	1.0		nument dam	aded	I	1.0		nument dam	aqed	L	0.0		onument dama	aged	1	
LG-61	5.0-15.0	/	Appears dam			ed	A			ment destroye	ed			naged, monur)d	
LG-62	5.0-15.0			nument dam	,				nument dam	,				onument dama	,		
LG-67	5.0-12.0		Mo	nument dam	aged			Mor	nument dam	aged			Mo	onument dama	aged		
LG-68	2.0-5.0			Buried under					uried under					Buried under			
LG-69	2.0-5.0		1	Buried under		1			uried under		1		1	Buried under		Т	
LG-70 Utility Trenches	3.0-7.0	0.0	7.9	12.5	-		0.0	8.0	13	-	L	0.0	6.7	14.4	-	<u> </u>	
I-5 (west end)							ł										
LG-48	3.0-6.0			Buried under					uried under					Buried under			
LG-49	2.5 to 6			nmissioned					nmissioned					ommissioned (
LG-50 LG-51	4.0-12.0 3.0-5.0			nent tilted / d Buried under					ent tilted / d					ment tilted / d Buried under			
LG-63	3.0-4.0			nmissioned					nmissioned					ommissioned (
LG-64	4.0-7.0			nmissioned					nmissioned					ommissioned (
LG-65	5.0-15.0			mmissioned					nmissioned					ommissioned			
LG-66 LG-74	5.0-8.0						Buried under bridge pier Buried under fill					Buried under bridge pier Buried under fill					
LG-74 LG-75	5.0-7.0 Buried under fill 3.0-5.0 Decommissioned						Buried under fill Decommissioned					Buried under fill Decommissioned					
LG-79	2.0-4.0 Monument damaged						Monument damaged					Monument damaged					
LG-80	2.0-4.0			nument dam			Monument damaged					Monument damaged					
LG-81 LG-85	6.75-11.75	0.0		nument dam 9.2	aged	1	Monument damaged					Monument damaged					
LG-85 LG-86		0.0	<u>5.3</u> 5.0	9.2	-		0.0	10.3 8.9	6.2 10.5	-		0.0	8.2	<u>6</u> 8	-	+	
LG-00 I G-87	+	0.0	6.1	10.0			0.0	9.0		1	1	0.0	4	16.2	1	+	

LG-87		0.0	6.1	10.1	-		0.0	9.0	12.1	-		0.0	4	16.2	-	
Landfill Exterior (ne	orth west end)															
LG-88	3-10															
LG-89	3-10															
LG-90	3-10															
Eclipse (east end)																
LG-52	3.0-8.0		Damaged 1/04					[Damaged 1/0	4				Damaged 1/04	4	
LG-53	2.5-4.0		I	Buried under	fill		Buried under fill						E	Buried under f	ill	
LG-54	3.0-6.0			Buried under	fill		Buried under fill					Buried under fill				
LG-71	4.0-6.0	0.0	0.8	19.8	-		0.0	0.5	19.0	-		0.0	1.2	18.5	-	
LG-72	2.5-4.0	0.0	0.7	19.7	-		0.0	0.2	20.5	-		0.0	0.3	21.0	-	
LG-73	4.0-6.0	0.0	0.2	20.3	-		0.0	0.2	20.8	-		0.0	0.3	21.0	-	





18

km/h

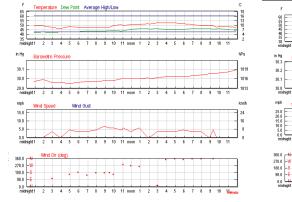
48

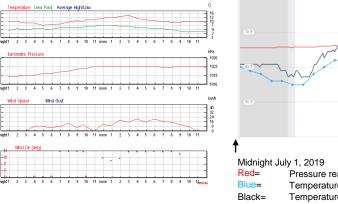
 Table 1A

 Everett Landfill - Recent Gas Probe Monitoring

							II - Recent Gas Probe Monitoring											
	Screen	CH4	Date CO2	1/15/19 O2	Pressure	Water	CH4	Date CO2	4/26/19 O2	Pressure	Water	CH4	Date CO2	7/1/19 O2	Pressure	Water		
	Interval	%	%	%	H20	Depth (ft		%	%	H20	Depth (ft)	%	%	%	H20	Depth (ft)		
Landfill Interior	4000			Demand					Demonstra					Demonst				
LG-2a LG-2b	4.0-9.0			Damaged Damaged					Damaged Damaged					Damaged Damaged				
LG-2c	20.0-25.0			Damaged					Damaged			Damaged						
LG-3a	7.0-12.0			nmissioned 2					nmissioned 2/			Decommissioned 2/21/08						
LG-3b	15.0-20.0			nmissioned 2			Decommissioned 2/21/08					Decommissioned 2/21/08 Decommissioned 2/18/03						
LG-5 LG-6	3.5-6.5 5.0-10.0			nmissioned 2 nmissioned 2			Decommissioned 2/18/03 Decommissioned 2/21/08							mmissioned 2 mmissioned 2				
LG-8	5.0-8.0			nmissioned 2			Decommissioned 2/21/08 Decommissioned 2/21/08							mmissioned 2				
LG-9a	4.0-9.0			nmissioned 2					missioned 2					mmissioned 2				
LG-9b LG-9c	12.0-17.0 20.0-25.0			nmissioned 2 nmissioned 2			Decommissioned 2/21/08 Decommissioned 2/21/08							mmissioned 2 mmissioned 2				
LG-10a	4.0-9.0		Decon	nmissioned 2	/21/08			Decon	nmissioned 2/	/21/08			Deco	mmissioned 2	2/21/08			
LG-10b	11.0-16.0 18.0-23.0			nmissioned 2					missioned 2					mmissioned 2				
LG-10c LG-13	4.0-10.0			nmissioned 2 nmissioned 2			Decommissioned 2/21/08 Decommissioned 2/21/08							mmissioned 2 mmissioned 2				
LG-14	4.0-8.0	15.6	3.2	15.3	-		10.2	5.5	4.5	-		4.2	6.9	11.6	-0.466			
LG-15	4.0-10.0	55.6	18.9	0.5	-		14.6	2.5	10.0	-		65.3	23.5	0.3	-0.151			
LG-16 LG-17	4.0-10.0 4.0-9.0	5.5	0.9	19.9 nmissioned 2			0.0	0.3 Decon	20.5 missioned 2/	/21/08		74.4	19.6 Deco	0.4 mmissioned 2	-2.652			
LG-18	4.0-9.0			nmissioned 2					missioned 2/					mmissioned 2				
LG-19	5.0-12.5			nmissioned 1					nmissioned 1					mmissioned '				
LG-20 LG-82	4.0-9.0	57 0	Decor 7.5	nmissioned 1	1/1/03	1	35.6		nmissioned 1	1/1/03		27		mmissioned 2	-1.595	1		
LG-82 LG-83		57.2 63.2	14.5	4.3	-		58.9	9 12.7	2.0 0.8			32.9	5.5 12.7	9.1 5.4	-14.545			
LG-84		70.8	20.9	0.5	-		33.2	7.7	1.8	-		5.8	7.2	16.0	-0.140			
West Boundary						1												
LG-21 LG-22	3.0-5.0	0.0	0.0	21.2 Domogod	-		0.0	0.1	20.8	-	1	0.0	0.1	20.1	-0.160			
LG-22 LG-23	3.0-5.0 3.0-5.0	0.0	0.0	Damaged 21.2	-		0.0	0.1	Damaged 20.8	-		0.0	0.2	Damaged 20.1	-0.078			
LG-24	3.0-8.0	0.0	0.0	21.2	-		0.0	0.1	20.8	-		0.0	0.2	20.2	-0.172			
LG-25	3.0-8.0	0.0	0.4	19.9	-		0.0	0.2	20.8	-		0.0	0.2	20.1	-0.464			
LG-26 LG-27	3.0-8.0 3.0-8.0	0.0	0.1	21 21	-		0.0	0.1	20.8 20.8	-		0.0	0.2	20.1 20.1	-0.146			
LG-28	3.0-8.0	0.0	0.2	20.9	-		0.0	0.1	20.0	-		0.0	3.5	19.6	-0.064			
LG-29	3.0-8.0			Damaged	1	1			Damaged					Damaged		1		
LG-30	5.0-10.0	0.0	2	18.0	-		0.0	1.2	19.8	-		0.0	0.9	19.8	-0.153			
LG-31 LG-32	7.0-12.0 3.0-8.0	0.0	0.6 7.5	19.6 13.8	-		0.0	0.1 9.8	20.8 12	-		0.0	0.1 3.2	20.8 15.5	-0.978			
LG-32 LG-33	7.0-12.0	0.0	0.2	20.7	-		0.0	0.1	20.8	-		0.0	0.2	20.1	-0.124			
LG-34	3.0-8.0	0.0	1.7	17.4	-		0.0	1.0	19.6	-		0.0	0.5	19.8	-0.067			
LG-35	4.0-9.0	0.0	5.0	15.1	-		0.0	6.0	14.3	-		0.0	7.8	16.7	-0.099			
LG-36 LG-37	9.0-14.0 7.0-12.0			nmissioned 0 nmissioned 0					nmissioned 0 nmissioned 0					mmissioned (mmissioned (
LG-38	7.0-12.0			nmissioned 0					nmissioned 0					mmissioned (
LG-39	7.0-12.0 Decommissioned 08/1/07							nmissioned 0					mmissioned (
LG-40 Upgradient West I	7.0-12.0		Decor	nmissioned 0	8/1/07			Decon	nmissioned 0	8/1/07			Deco	mmissioned (08/1/07			
LG-56	10.0-25.0		Mor	nument dama	ned			Mor	ument dama	ned			Mo	nument dama	aned			
LG-57	10.0-35.0	0.0	0.7	20	-		0.0	0.9	20.2	-		0.0	0.5	19.9	-0.046			
LG-58	8.0-28.0	0.0	0	21.2	-		0.0	0.1	20.8	-		0.0	0.1	20.1	-0.676			
LG-76 LG-77	20.0-35.0 15.0-35.0	0.0 11.0	0 22.0	21.2 4.5	-		0.0 10.0	0.7 5.9	20.1 7.0	-		0.0 12.9	1.1 12.4	19.9 10.2	-0.346			
LG-77 LG-78	10.0-25.0	0.0	0.5	20.3			0.0	0.1	20.8	-		0.0	6.7	9.9	-0.336			
Northern Landfill								•					•					
LG-1	3.5-6			nmissioned 7					nmissioned 7/					mmissioned 7				
LG-11 LG-12	3.5-5.5 3.5-5.5			Anument fille					onument fille					Nonument filled v				
LG-12 LG-41	5.0-10.0	0.0	3.5	le port filled w 12.5			0.0	1.0	e port filled w 19.8			0.2	8.3	8.4	-0.028			
LG-42	8.0-13.0		Decor	nmissioned 7				Decon	nmissioned 7/				Deco	mmissioned 7	7/11/10			
LG-43	3.0-8.0	Cover	ed by Diversifi			property	Covered		ed preload/fill		property	Covere		ied preload/fi		property		
LG-44 LG-45	3.0-8.0 3.0-8.0			by building de by building de					y building de					by building de by building de				
LG-45 LG-46	10.0-15.0	Cover	ed by Diversifi	, ,		propertv	Covered		ed preload/fill		property	Covere		ied preload/fi		propertv		
LG-47	5.0-10.0		Under soil/se	ediments, cou	<u> </u>	. ,		Under soil/se	diments, cou				Under soil/s	ediments, co	uld not locate			
LG-55	6.0-16.0	0.0	8.3	10.9	-		0.0	7.5	14.7	-		0.0	3.3	18.8	-0.088			
LG-59	5.0-15.0	0.0	2.5	18.9			0.0	0.2	20.6			0.0	0.2	20.1	-0.112			
LG-60 LG-61	5.0-15.0 5.0-15.0	ĺ	Mor Appears dama	nument dama aged, monum		d	Δ		ument dama		d	1		nument dama aged, monur		ed		
LG-62	5.0-15.0			nument dama		-			ument dama		-	, , , , , , , , , , , , , , , , , , ,		nument dama		•		
LG-67	5.0-12.0			nument dama	•				ument dama	•				nument dama	•			
LG-68	2.0-5.0			Buried under f					uried under fi					Buried under				
LG-69	2.0-5.0	~ ~		Buried under f	ill		- · ·		uried under fi				1	Buried under	1			
LG-70 Utility Trenches	3.0-7.0	0.2	20.1	1.1	-	<u> </u>	0.1	4.5	18.2	-		0.4	6.4	11.2	-0.185	1		
I-5 (west end)																		
LG-48	3.0-6.0			Buried under f					uried under fi					Buried under				
LG-49 LG-50	2.5 to 6 4.0-12.0			nmissioned 6 nent tilted / da					nmissioned 6/ ent tilted / da					mmissioned 6 nent tilted / da				
LG-50 LG-51	3.0-5.0			Buried under f			1		uried under fi			<u> </u>		Buried under				
LG-63	3.0-4.0		Decon	nmissioned 6	/20/08			Decon	nmissioned 6/	/20/08			Deco	mmissioned 6	6/20/08			
LG-64	4.0-7.0			nmissioned 6					nmissioned 6/					mmissioned 6				
LG-65 LG-66	5.0-15.0 5.0-8.0			nmissioned 6					nmissioned 6/					mmissioned 6				
LG-66 LG-74	5.0-8.0			d under bridg Buried under f					d under bridge uried under fi					ed under bridg Buried under				
LG-75	3.0-5.0		De	ecommission	ed			De	commissione	əd			D	ecommissior	ied			
LG-79	2.0-4.0			nument dama	<u> </u>				ument dama					nument dama	<u> </u>			
LG-80 LG-81	2.0-4.0 6.75-11.75			nument dama nument dama					ument dama					nument dama				
LG-85		0.0	6.3	10.4	-		0.0	6.9	10.6			0.0	5.9	12.8	-0.545	<u> </u>		
LG-86		0.0	7.5	11.6	-		0.0	5.5	12.7	-		0.1	0.5	19	-0.389			
LG-87		0.0	2.6	16.8	-	1	0.0	3.3	16.5		1	0.0	4.3	13.5	-0.609			

LG-87		0.0	2.6	16.8	-		0.0	3.3	16.5	-		0.0	4.3	13.5	-0.609	
Landfill Exterior (ne	orth west end)															
LG-88	3-10															
LG-89	3-10															
LG-90	3-10															
Eclipse (east end)																
LG-52	3.0-8.0		Damaged 1/04				Damaged 1/04						[Damaged 1/04	1	
LG-53	2.5-4.0		В	uried under fill				E	Buried under fi	I			B	uried under fi	11	
LG-54	3.0-6.0		В	uried under fill			Buried under fill					Buried under fill				
LG-71	4.0-6.0	0.0	0.0	21.2	-		0.0	0.2	19.8	-		0.1	6.4	11.2	-0.185	
LG-72	2.5-4.0	0.0	0.2	20.9	-		0.0	0.5	20.0	-		0.0	1.3	18.2	-0.563	
LG-73	4.0-6.0	0.0	0.3	20.8	-		0.0	0.3	20.3	-		0.0	1.6	18.4	-0.416	





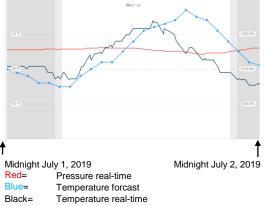


Table 1A Everett Landfill - Recent Gas Probe Monitoring

Everet	: Landfill -	Recent	Gas Pr		nitoring	
			Date	10/28/19	_	
	Screen Interval	CH4 %	CO2 %	02 %	Pressure H20	Water Depth (ft)
Landfill Interior	Interval	70	70	70	1120	Deptil (it)
LG-2a	4.0-9.0			Damaged		1
LG-2b	12.0-17.0			Damaged		
LG-2c	20.0-25.0			Damaged		
LG-3a	7.0-12.0		Decor	nmissioned :	2/21/08	
LG-3b	15.0-20.0		Decor	mmissioned	2/21/08	
LG-5	3.5-6.5		Decor	mmissioned	2/18/03	
LG-6	5.0-10.0			mmissioned		
LG-8	5.0-8.0			nmissioned		
LG-9a LG-9b	4.0-9.0 12.0-17.0			nmissioned : nmissioned :		
LG-9c	20.0-25.0			nmissioned		
LG-10a	4.0-9.0			nmissioned		
LG-10b	11.0-16.0			nmissioned		
LG-10c	18.0-23.0			nmissioned		
LG-13	4.0-10.0			nmissioned :		1
LG-14 LG-15	4.0-8.0	0.1 25.5	8.6 23.5	16.5	-0.099	
LG-15 LG-16	4.0-10.0 4.0-10.0	33.3	23.5	0.5	-0.062	
LG-17	4.0-9.0	00.0		nmissioned		
LG-18	4.0-9.0			nmissioned		
LG-19	5.0-12.5			mmissioned		
LG-20	4.0-9.0		Decor	mmissioned	11/1/03	
LG-82		23.5	9.8	2.8	-0.978	
LG-83		43.5	10	16.8	-1.563	
LG-84 West Boundary		56	9.3	18.0	-2.04	
LG-21	3.0-5.0	0.0	0.2	20.9	-0.087	
LG-21 LG-22	3.0-5.0	0.0	0.2	Damaged	0.007	1
LG-22 LG-23	3.0-5.0	0.0	0.2	20.9	-0.132	
LG-24	3.0-8.0	0.0	0.2	20.9	-0.149	
LG-25	3.0-8.0	0.0	0.3	18.7	-0.162	
LG-26	3.0-8.0	0.0	0.2	20.9	-1.431	
LG-27	3.0-8.0	0.0	0.2	20.8	-0.056	
LG-28	3.0-8.0	0.0	1.1	20.0	-0.978	
LG-29	3.0-8.0	0.0	0.5	Damaged	0.007	1
LG-30 LG-31	5.0-10.0 7.0-12.0	0.0	0.5	20.0	-0.097 -0.252	
LG-31	3.0-8.0	0.0	4.5	16.5	-0.252	
LG-33	7.0-12.0	0.0	0.2	20.9	-0.454	
LG-34	3.0-8.0	0.0	0.5	19.8	-0.301	
LG-35	4.0-9.0	0.0	5.6	17.8	-0.45	
LG-36	9.0-14.0			mmissioned		
LG-37	7.0-12.0			nmissioned		
LG-38 LG-39	7.0-12.0			nmissioned		
LG-39 LG-40	7.0-12.0			nmissioned		
Upgradient West I			Deco	minissioneu	00/1/07	
LG-56	10.0-25.0		Мо	nument dam	aded	
LG-57	10.0-35.0	0.0	0.7	19.7	-1.548	
LG-58	8.0-28.0	0.0	0.2	21	-2.228	
LG-76	20.0-35.0	0.0	1.1	19.9	-0.346	
LG-77	15.0-35.0	12.9	12.4	10.2	-0.336	
LG-78	10.0-25.0	0.0	6.7	9.9	-0.784	
Northern Landfill			Deer		7/44/40	
LG-1	3.5-6			nmissioned Ionument fill		
LG-11 LG-12	3.5-5.5 3.5-5.5			le port filled		
LG-41	5.0-10.0	0.0	0.4	20.4	-0.037	
LG-42	8.0-13.0		Decor	mmissioned	7/11/10	·
LG-43	3.0-8.0	Covered			ill, on private	property
LG-44	3.0-8.0			by building d		
LG-45	3.0-8.0			by building d		
LG-46	10.0-15.0		,		ill, on private	,
LG-47 LG-55	5.0-10.0 6.0-16.0	0.0	Under soil/s 2.2	ediments, co 19.9	uld not locate	;
LG-55 LG-59	5.0-16.0				uld not locate	د ا
LG-59 LG-60	5.0-15.0			nument dam		,
LG-61	5.0-15.0	A			nent destroye	ed
LG-62	5.0-15.0	1		nument dam		
LG-67	5.0-12.0	1		nument dam	•	
LG-68	2.0-5.0			Buried under	•	
LG-69	2.0-5.0			Buried under		
LG-70	3.0-7.0	0.2	2.3	15.6	-1.962	
Utility Trenches						
I-5 (west end)					C 11	
LG-48	3.0-6.0			Buried under		
LG-49 LG-50	2.5 to 6 4.0-12.0			nmissioned nent tilted / d		
LG-50 LG-51	3.0-5.0			Buried under		
LG-63	3.0-4.0			nmissioned		
LG-64	4.0-7.0			nmissioned		
LG-65	5.0-15.0		Decor	nmissioned	6/20/08	
LG-66	5.0-8.0			d under brid		
LG-74	5.0-7.0			Buried under		
LG-75	3.0-5.0			ecommissior		
LG-79 LG-80	2.0-4.0 2.0-4.0		Mo	nument dam	aged	
LG-80 LG-81	2.0-4.0 6.75-11.75			nument dam		
LG-85	0011.70	0.1	4.3	16.8	ageu -0.756	1
LG-86		0.1	0.2	20.4	-1.352	
LG-87		0.0	6.7	11.7	-0.087	1
andfill Exterior (orth wort and			-		

LG-07		0.0	0.7	11.7	-0.007					
Landfill Exterior (north west end)			-						
LG-88	3-10	0.0	1.4	18.9	-2.384					
LG-89	3-10	0.0	0.0	20.9	-0.969					
LG-90	3-10	0.0	0.0	20.9	-1.434					
Eclipse (east end)	1									
LG-52	3.0-8.0	Damaged 1/04								
LG-53	2.5-4.0	Buried under fill								
LG-54	3.0-6.0		E	Buried under f	fill					
LG-71	4.0-6.0	0.1	5.0	15.5	-0.039					
LG-72	2.5-4.0	0.0	0.5	20.1	-0.045					
LG-73	4.0-6.0	0.0	0.5	20.3	-0.032					

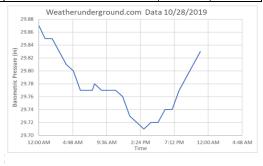


Table 2 Everett Landfill - Gas Monitoring at Structures

ON-SITE STRUCTURES

ON-SITE STRUCTURES	2/7/2017	5/11/2017	8/18/2017	11/7/2017	1/31/2018	4/12/2018	6/27/2018	11/9/2018	7/9/2019	11/13/2019
Structure/Address	Methane	Methane	Methane							
sample location	ppm	ppm	ppm							
Everett Animal Shelter										
2732 36th Street										
lawn sprinkler vault (N side of bldg.)										
roof drains										
Women's public restroom (floor drain)**										
Men's public restroom (floor drain)**	animal shelter	animal shelter	animal shelter				animal shelter	animal shelter		animal shelter
employee restroom (floor drains)	closed	closed	closed							
floor crack in storage room adj. to cat room										
breathing zone in storage room adj. to cat room										
telephone storage room										
Snohomish County Transfer Station										
lunch room										
restrooms										
changing bldg	transfer	transfer	transfer							
valve control vault	station closed	station closed	station closed							
Scale vault (south side)										
Scale Vault (north side)										
OFF-SITE STRUCTURES										
GTS Drywall Supply Co.										
2931 36th Street										
roof drains (W, N, E sides of bldg)										
roof drain (SW corner of bldg)**										
toilets	bldg demo'd	bldg demo'd	bldg demo'd							
floor cracks	Ŭ	° .	°	°	Ŭ,	°	°	Ŭ,	°.	°.
foundation cracks										
boiler pipe penetrations										
Everett Gospel Mission										
3711 Smith Avenue										
lawn sprinkler vault (N side of bldg)	0	0	0	0	0	0	0	0	0	0
floor cracks	0	0	0	0	0	0	0	0	0	0
foundation cracks	0	0	0	0	0	0	0	0	0	0
boiler pipe penetrations	0	0.4	0.1	0	0.1	0	1	0.1	0	0
food storage room	0	0.4	0.1	0	0.1	0	0.1	0.1	0	0
Cascade Wholesale	-			-	-	-		-	-	-
2410 38th Street										
lawn sprinkler vault (E side of bldg)	0	0	0	0	0	0	0	0	0	0
roof drains	0	0	0	0	0	0	0	0	0	0
sewer	1.8	0.1	0.4	0.1	0	0	0.4	0	0	0
restrooms	0.2	0	0.4	0	0	0	0.2	0.1	0	0
floor cracks inside bldg	0.2	0	0	0	0	0	0.2	0.1	0	0
H & R Mechanical Systems Inc.	Ū	0	0	0	Ū	0	0	Ū	0	0
2407 38th Street										
roof drains	0	0	0	0	0	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0	0	0	0	0
floor cracks	0	0	0	0	0	0	0	0	0	0
Sno Valley Process Solutions	0	0	0	0	0	0	0	0	0	0
2420 38th Street										
roof drains	0	0	0	0	0	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0	0	0	0	0
floor cracks	0	0	0	0	0	0	0	0	0	0
Ron May Towing	, v	v	v	v		v	v	, , , , , , , , , , , , , , , , , , ,	v	v
2406 39th Street										
bathrooms	0.3	0	0	0.1	0	0	0.2	0	0	0
exterior drains	0.3	0	0	0.1	0	0	0.2	0	0	0
	U	U	U	U	U	U	U	U	U	U
Diversified Recycling/Car Wash Chemical Co.										
2931 36th Street										
boiler room	4									
bathrooms	4									
closet										
beam/floor cracks										
drainage pipe	bldg demo'd	bldg demo'd	bldg demo'd							
roof drains outside building										
warehouse breathing space										
south sensor north sensor										