



December 18, 2020

Sunny Becker, Site Manager  
Washington State Department of Ecology  
Northwest Regional Office  
3190 160<sup>th</sup> Ave SE  
Bellevue, WA 98008-5452

**RE: Everett Landfill – 2020 Landfill Gas Annual Report**

Dear Sunny:

HWA Geosciences, Inc. has completed the Landfill Gas Monitoring annual report for the Everett Landfill site.

The attached letter report presents data and results from the quarterly Landfill Gas Monitoring events and highlights several significant observations about various areas on and around the landfill site.

If you have any comments or questions on the attached, please don't hesitate to contact me. Alternatively, you can contact Megan King at Floyd & Snider, Inc.

Sincerely,


A handwritten signature in blue ink, appearing to read 'Randy Loveless'.

Randy Loveless, P.E.  
Landfill Site Manager

Enclosure

### Public Works

 3200 Cedar Street  
Everett, WA 98201

 425.257.8800  
425.257.8882 fax

 everettpw@everettwa.gov  
everettwa.gov/pw



December 11, 2020  
HWA Project No. 98165-670

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

Attention: Mark Sadler

**Subject: Gas Monitoring Annual Report, 2020  
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 2020, per the Compliance Monitoring and Contingency Plan.

### **Gas Probe Monitoring**

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

- 2/10/2020 and 2/17/2020
- 4/17/2020 and 4/23/2020
- 7/7/2020 and 7/9/2020
- 10/30/2020 and 11/2/2020

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 trench was installed along the northern edge of the 36th Street right-of-way, parallel and north of the 2004 trench, in 2006. The 41<sup>st</sup> Street overcrossing gas extraction system was installed in 2006. An additional perimeter gas interception trench was installed along

the 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 was constructed in 2019 and 2020 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 perimeter is surrounded by active gas interception trenches (see Figure1).

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 2020 methane concentrations ranged up to 75%, consistent with historical measurements in the landfill interior.

South end of landfill - Three gas probes, LG-82, LG-83, and LG-84 were installed at the southeast perimeter of the Landfill at the request of the Washington State Department of Ecology (Ecology) in June 2015. 2020 results indicated methane concentrations ranging up to 67.3% 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 was constructed in 2019 and 2020 from the southern tip of the landfill some 480 feet northward, east of the combined leachate collector/gas extraction trench.

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 2016 and 2019 bar hole surveys show 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 migrating from the landfill. The shallow aquifer in this area is saturated and comprised of silt and peat deposits known as “the aquitard”, down to depths of approximately 45 feet, below which is the deeper (fully saturated) aquifer. Any soil gas migrating from the landfill therefore can only be present in the uppermost unsaturated soils. The gas collection trench installed in 2019-2020 collects gas along the southeast perimeter of the landfill.

Three new gas probes (LG-88, LG-89, and LG-90) were installed in October 2019 (see Figure 1) west of the wetlands to monitor the potential for gas migration east of the landfill boundary. Results from the 2020 gas monitoring showed minimal to no detections of methane, with a single detection of methane of 0.5% in probe LG-89 in March 2020. Results indicate that the active gas collection system is working and that the wetlands likely function as a passive gas barrier. These three new gas probes have been installed to replace Probes LG 82, 83, and 84, which were installed within the gas collection trench, and are not representative of gas migration from the Landfill. These older probes should only be monitored as needed for operation of the active gas collection and are recommended to be excluded from site perimeter monitoring and future annual reports, with LG-88, LG-89 and LG-90 providing perimeter compliance monitoring for this segment of the landfill boundary.

West end of Landfill - The number of probes with detected methane and the magnitude of methane concentrations along the western end of the Landfill has 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. 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 were suspected to be associated with preloading of adjacent areas within the Landfill occurring during this time for future site development. The preload soils were removed from the landfill soon after 2014 and the 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 near the BNSF ROW and was damaged in late 2015 and is no longer monitored, as BNSF will not provide access.

LG-76, LG-77, and LG-78 were installed on private property 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.

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, GeoEngineers performed a remedial excavation in the areas near and around LG-77 and the gas probe was decommissioned to accommodate the remedial action. The cleanup was performed to address minor isolated detections of polynuclear aromatic hydrocarbons in the fill soils. A replacement gas probe, LG-95, was installed on March 5, 2020 and screened from 25 feet to 35 feet bgs. This screened elevation is below the fill material containing abundant woody debris but still screened with the elevation of waste in the Landfill. Results from 2020 gas monitoring show that minor (0.6%) to no detections of methane occurred in LG-95; however, high levels of carbon dioxide (ranging from 20.9 to 21.8%) were detected. These levels are likely a product of anaerobic degradation of organic debris within the soils of the overlying fill material. The fill encountered at LG-77, some of which was removed during the 2019 cleanup, is above the elevation of landfill waste, and physically separated from the landfill by a gas extraction trench, highly permeable railroad ballast under three sets of railroad tracks, and a 10 foot layer of silt encountered in both LG-77 and LG-95. The absence of methane in LG-95 compared to LG-77 further confirms that the methane previously detected in LG-77 was locally derived, from fill soils, and not connected to the landfill.

Landfill gas compliance issues for this area are further described in a letter dated May 1, 2020 titled *Gas Monitoring Probes, Northwest West Area of Landfill / LG-77 Area, Everett Landfill/Tire Fire Site, Everett, Washington*.

East end of Landfill, offsite - The leachate/gas collection trench runs along the entire eastern boundary of the landfill, but some landfill waste remains east of the trench, due to access issues at the time of construction. Although landfill gas probes LG-14, LG-15, and LG-16 at the east edge of the landfill have historically contained methane exceeding 5% by volume, the presence of methane in these probes is not unexpected, and the landfill Compliance Monitoring and Contingency Plan (CMCP) discusses that due to completion in fill, “the existing perimeter sampling locations along the eastern side of the landfill, LG-13 through LG-16, will continue to be used, but only for informational data, and not for site compliance.”

Fill and debris extend just outside (east of) the leachate/gas collector trench likely only a few feet, as a drainage ditch associated with the former railroad tracks was located just east of the landfill east boundary. In an attempt to determine the extent of methane gas outside the leachate/gas collection trench, assumed to be associated with debris present east of the trench, HWA conducted a bar hole survey in April 2020 to investigate soil gas concentrations east of the landfill. Results indicated no detected methane east of LG-13, LG-14, or LG-15. At LG-16, the westernmost bar hole (closest to LG-16) had 5.4% methane, but 20 feet away from the leachate/gas collector trench the bar holes east of that had no detected methane. Besides limited gas generating materials outside the leachate/gas collector trench, the surrounding marsh type soils, surface water features, and high groundwater, all act as a hydraulic barrier to any soil gas from the landfill.

The area east of the landfill is undeveloped, zoned to preclude development, and comprised primarily of wetlands and conservancy land. There are no receptors in this area, and no structures east of the leachate/gas collector trench. The only potential human receptors are people walking the public trail. Surface emission monitoring described below monitors and confirms there are no elevated concentrations of methane gas along the trail that would pose a risk to trail users.

Surface emissions monitoring per 40 CFR 60.753(d) was conducted along the east landfill boundary and trail as part of 2020 gas monitoring activities performed at the landfill. 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 0.3 ppm, while the highest concentration detected during the survey was 0.6 ppm. Gas concentrations detected during this survey 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. The City will continue surface emissions testing along the eastern perimeter and trail as part of the quarterly gas monitoring events.

Landfill gas compliance issues for the east side of the landfill are further described in a letter dated May 11, 2020 titled *Gas Monitoring Probes, East Side of Landfill, Everett Landfill/Tire Fire Site, Everett, Washington.*

North end of Landfill - Methane exceeding 5% by volume was historically detected in one or more of the probes installed north of the Landfill (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, likely due to their completion and screening in peat layers and organics containing fill associated with historical activities on the property. Methane concentrations in probes along 36th street decreased to near zero after the northern gas extraction system was completed in 2005. Methane concentrations measured further 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 36<sup>th</sup> street contain abundant debris, wood waste, and natural wood, which can generate methane. The recycling facility was closed in April 2014 and all buildings have since been demolished.

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. Pump station construction was completed in 2017.

Many of the landfill gas probes at the north end of the landfill are on private property that is being redeveloped, with activities including building demolition and major site grading. As a result, the following probes have been 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 uncovered in 2020 by construction excavation in the area. The probe was found to be functional and was fitted with a new monument in March 2020, after which it continued to be monitored. Four replacement probes (LG-91, LG-92, LG-93, and LG-94) were installed in the 36<sup>th</sup> Street right of way on March 4 and 5, 2020. Replacement probes were screened at similar depths (4 to 10 feet bgs) of previously damaged or buried gas probes and consistent with waste levels to the south in the landfill. Locations are shown on Figure 1. During 2020 gas monitoring, no detections of methane occurred in existing and new gas probes (Table 1).

Landfill gas compliance for this area was further described in a letter dated June 2, 2020 titled *Gas Monitoring Probes and Compliance, North End of Landfill, Everett Landfill/Tire Fire Site, Everett, Washington*.

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

- I-5 / West End - 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 in October 2013 and are not usable. 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 36<sup>th</sup> 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 36<sup>th</sup> 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 during 2020 monitoring.
- Eclipse Mill Road / East end - 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. None of the three probes have had detected methane during 2020, consistent with past readings.

Buried/damaged gas probes in 2020:

LG-59, located just off the shoulder of 36<sup>th</sup> street on the northwestern end of the landfill was covered by ecology blocks during the July 2020 monitoring event. LG-59 was later uncovered, intact, and monitored in the October 2020 event.

Areas surrounding LG-55 were overgrown and the probe could not be located during the July 2020 monitoring event. The area was eventually cleared and LG-55 was monitored during the October 2020 event.

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 2020 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 2020 included:

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

Each location typically includes interior and exterior monitoring points, where gas, if present, might accumulate or be concentrated. Building interior locations were not monitored during the last three quarterly events due to the COVID-19 pandemic. All building exterior locations were monitored during 2020. No detections of methane occurred in any of the exterior monitoring points in the off-site structures monitored during 2020.



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.

A handwritten signature in black ink, appearing to read "Austin York".

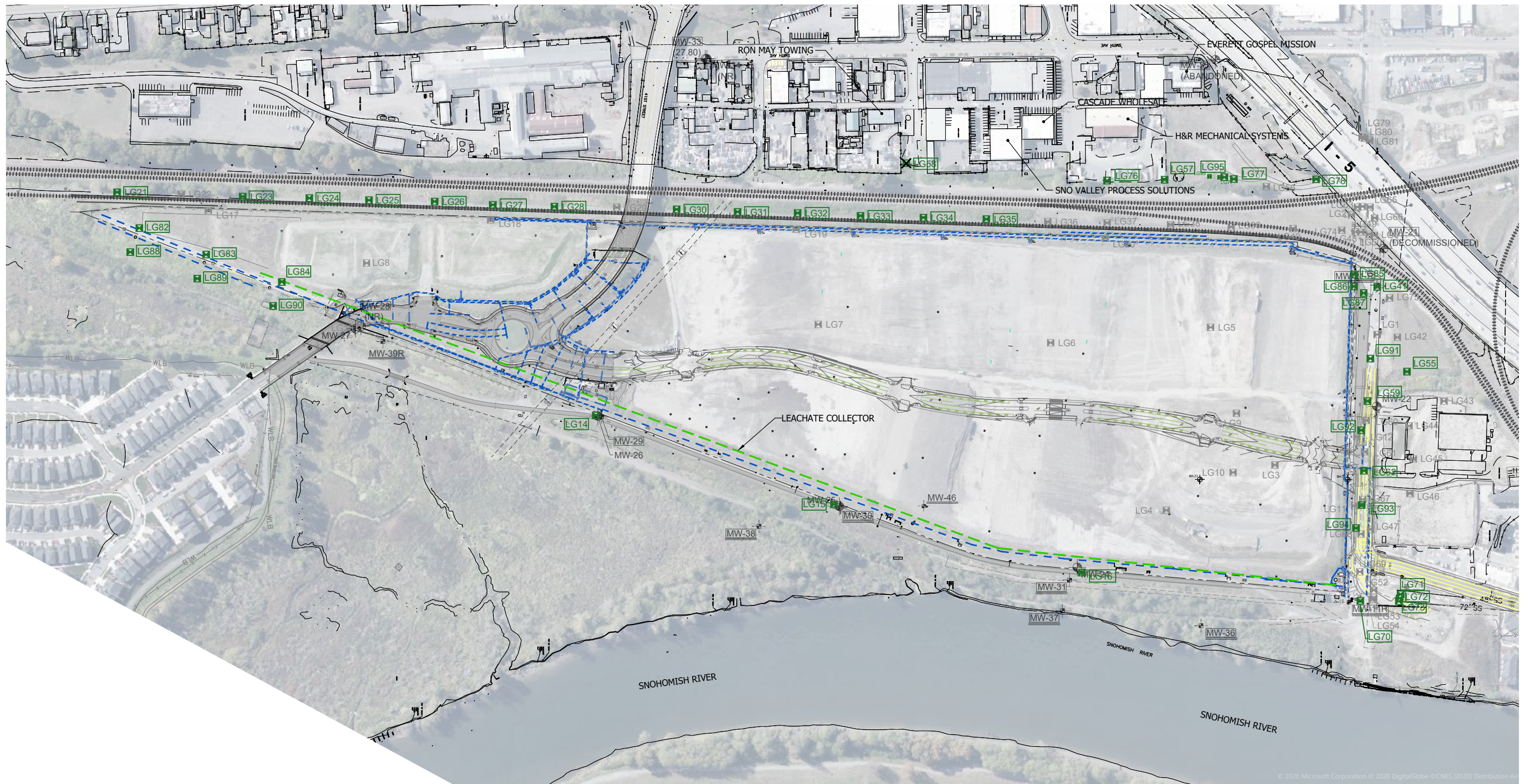
Austin York, LG  
Environmental Geologist

A handwritten signature in purple ink, appearing to read "Arnie Sugar".

Arnie Sugar, LG, LHG  
Principal Hydrogeologist

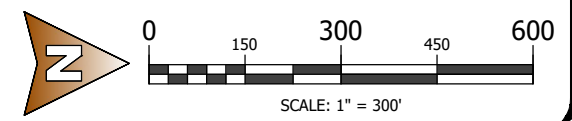
### Attachments:

- Figure 1 Landfill Gas Probe Location Map
- Figure 2 Landfill Gas Probe Location Map, Detail
- Figure 3 Landfill Perimeter Surface Gas Monitoring
- Table 1 Everett Landfill – Gas Probe Monitoring
- Table 2 Everett Landfill – Gas Monitoring at Structures



**EXPLORATION LEGEND**

- - - - - LANDFILL GAS COLLECTION TRENCH
- - - - - LEACHATE COLLECTOR
- EXISTING LFG GAS PROBES
- DECOMMISSIONED, ABANDONED OR DAMAGED LFG PROBES
- ✗ PROPOSED LFG PROBE TO DECOMMISSION



BASE MAP PROVIDED BY: BING AND SURVEYOR

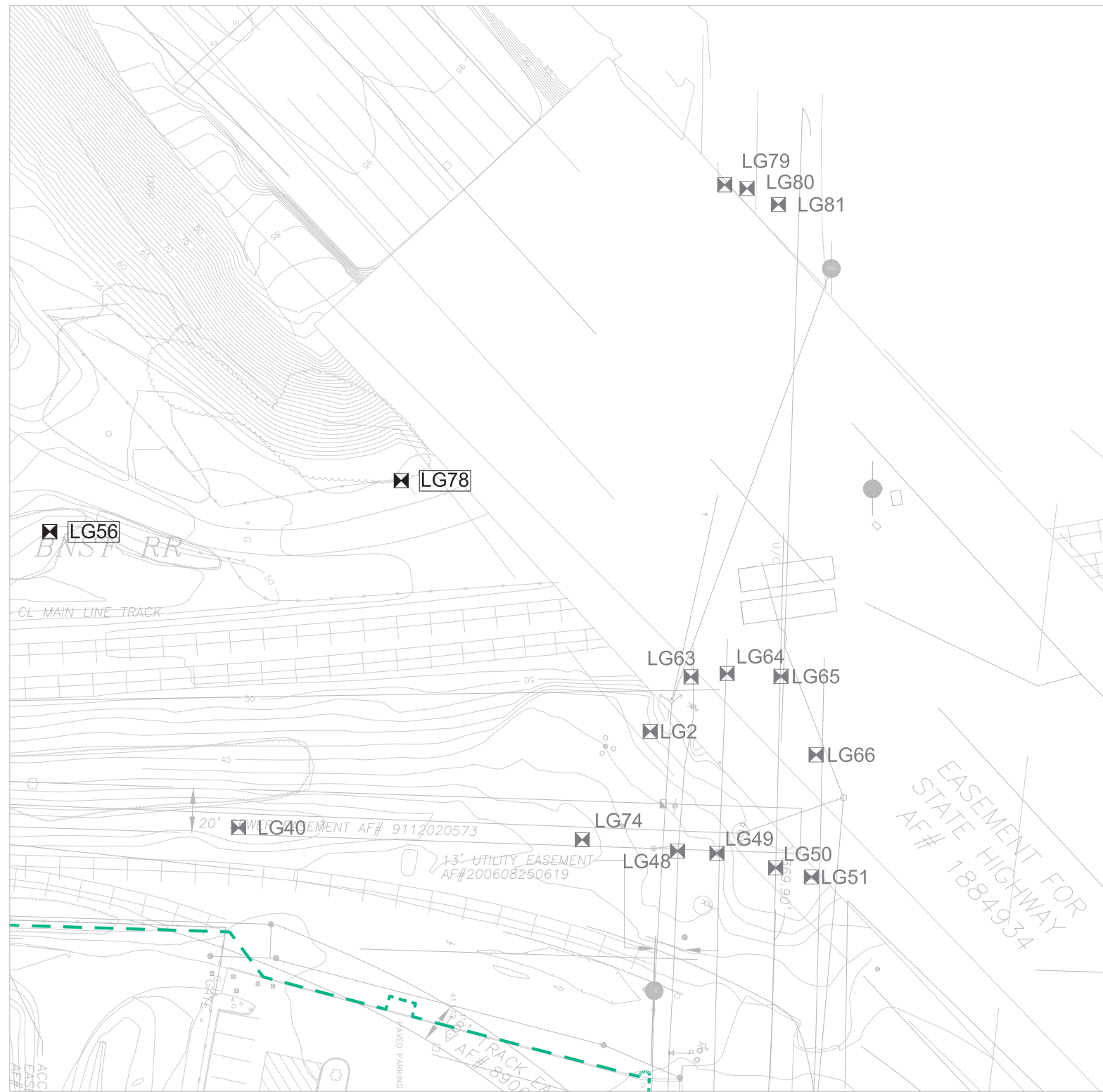
S:\2015 PROJECTS\2015-061-21 EVERETT RIVERFRONT SETTLEMENT CALCULATIONS\CAD 2015-061\EVERETT LANDFILL (1998-165-275)\2015-061 EVERETT RIVERFRONT - HAZMAT 04.20.20.DWG <1> Plotted: 12/11/2020 3:21 PM



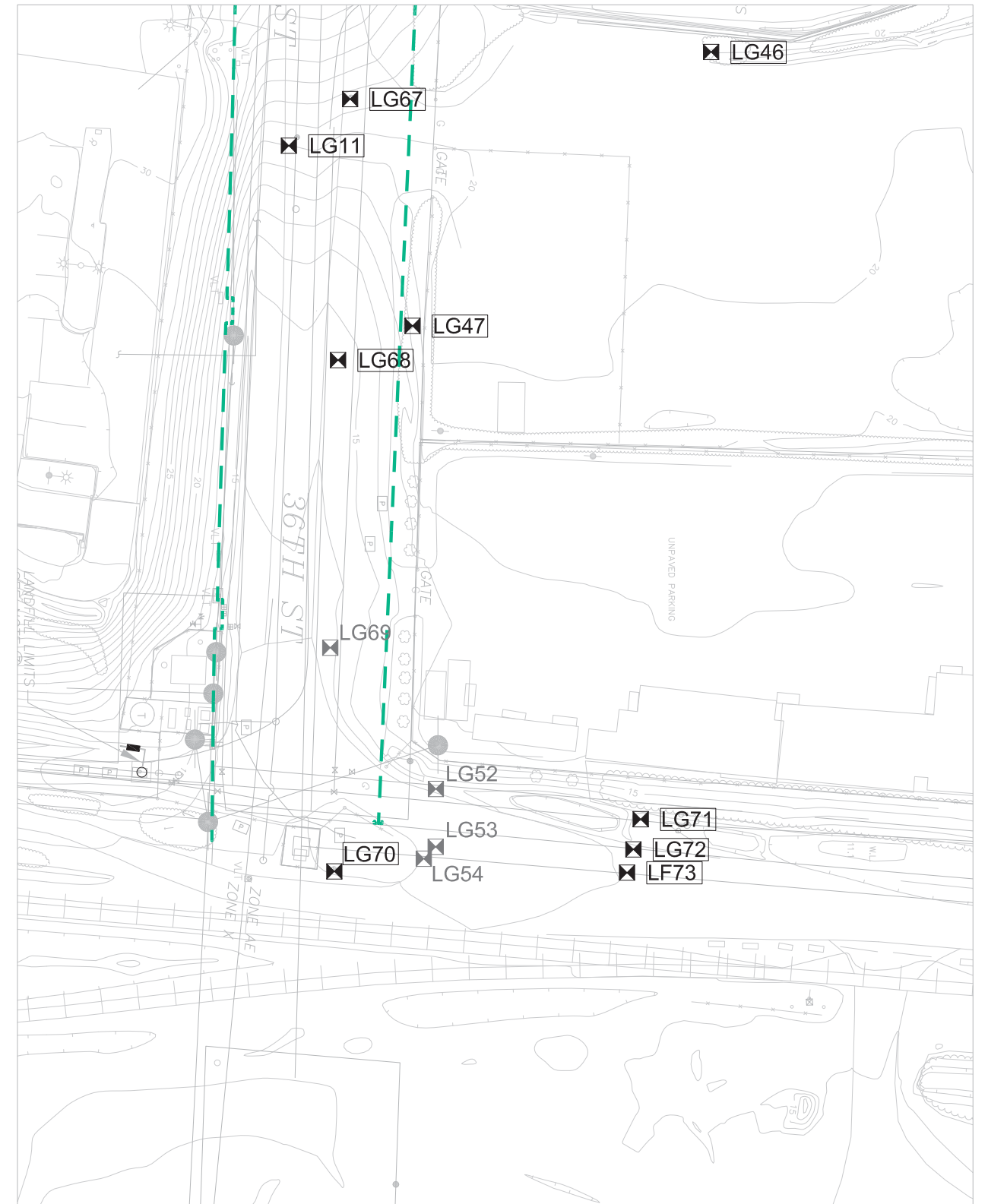
EVERETT LANDFILL  
EVERETT, WASHINGTON

LANDFILL GAS PROBE  
LOCATION MAP

DRAWN BY: CF / BFM	FIGURE NO.: <b>1</b>
CHECK BY: AS	PROJECT NO.: 2015-061-21 TASK 600



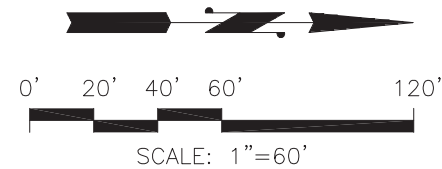
NORTHWEST CORNER



NORTHEAST CORNER

**LEGEND**

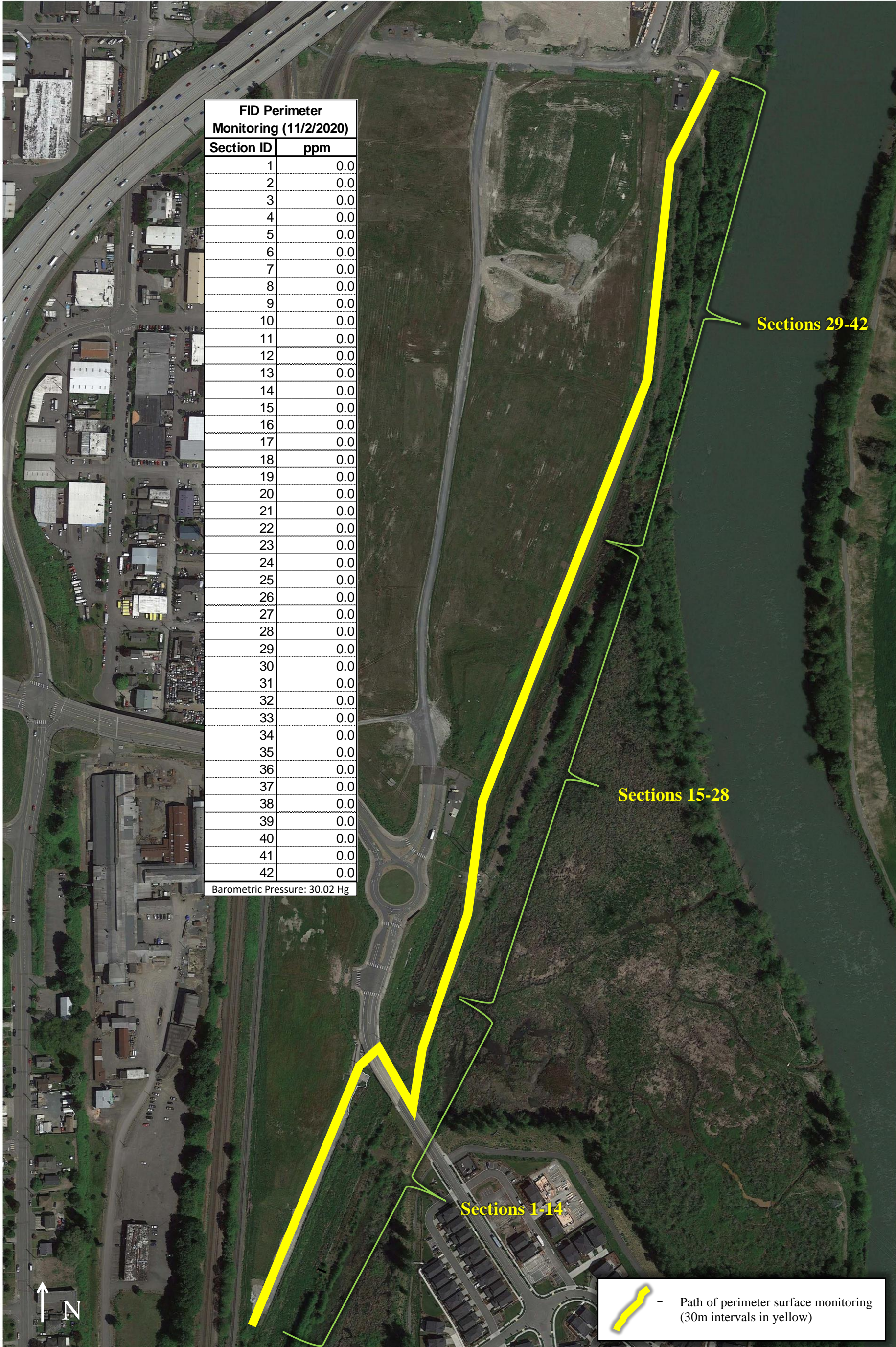
- - - LANDFILL GAS COLLECTION TRENCH
- ☒ LG28 EXISTING LFG GAS PROBES
- ☒ LG36 DECOMMISSIONED, ABANDONED OR DAMAGED LFG PROBES



EVERETT LANDFILL  
EVERETT, WASHINGTON

LANDFILL GAS PROBE  
LOCATION MAP,  
DETAIL

DRAWN BY	EFK	FIGURE NO.	2
CHECKED BY	AS	PROJECT NO.	
DATE	04.16.14	1998-165	TASK-670



PERIMETER SURFACE GAS MONITORING 11/2/2020

EVERETT LANDFILL  
EVERETT, WASHINGTON

FIGURE NO.

**3**

PROJECT NO.

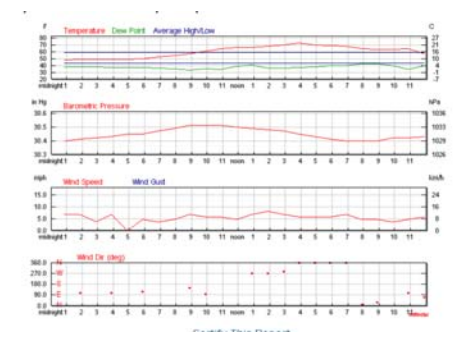
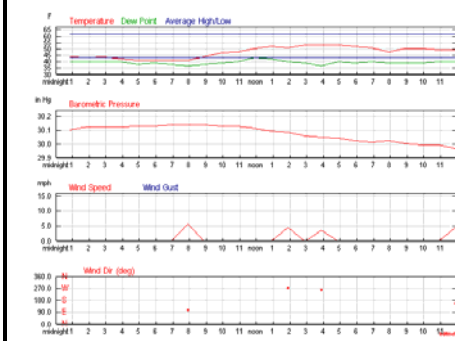
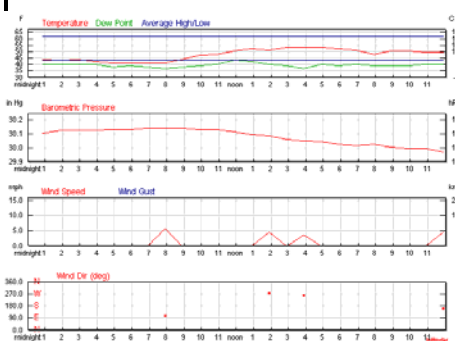
1998-165



HWA GEOSCIENCES INC.

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

	Screen Interval	Date 10/9-10/2013				Date 1/28-29/2014				Date 4/29/14						
		CH4 %	CO2 %	O2 %	Pressure H2O	Water Depth (ft)	CH4 %	CO2 %	O2 %	Pressure H2O	Water Depth (ft)	CH4 %	CO2 %	O2 %	Pressure H2O	Water Depth (ft)
<b>Landfill Interior</b>																
LG-2a	4.0-9.0	Damaged				Damaged				Damaged						
LG-2b	12.0-17.0	Damaged				Damaged				Damaged						
LG-2c	20.0-25.0	Damaged				Damaged				Damaged						
LG-3a	7.0-12.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-3b	15.0-20.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-5	3.5-6.5	Decommissioned 2/18/03				Decommissioned 2/18/03				Decommissioned 2/18/03						
LG-6	5.0-10.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-8	5.0-8.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-9a	4.0-9.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-9b	12.0-17.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-9c	20.0-25.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-10a	4.0-9.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-10b	11.0-16.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-10c	18.0-23.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-13	4.0-10.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-14	4.0-8.0	47.8	18.8	0.1	-	49.3	14.5	2.0	-	0.0	3.6	16.0	-			
LG-15	4.0-10.0	53.2	21.1	0.1	-	26.8	6.8	0.0	-	57.2	9.6	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	4.0-9.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-18	4.0-9.0	Decommissioned 2/21/08				Decommissioned 2/21/08				Decommissioned 2/21/08						
LG-19	5.0-12.5	Decommissioned 11/1/03				Decommissioned 11/1/03				Decommissioned 11/1/03						
LG-20	4.0-9.0	Decommissioned 11/1/03				Decommissioned 11/1/03				Decommissioned 11/1/03						
LG-82	5.0-10.0	Not yet installed				Not yet installed				Not yet installed						
LG-83	5.0-10.0	Not yet installed				Not yet installed				Not yet installed						
LG-84	5.0-10.0	Not yet installed				Not yet installed				Not yet installed						
<b>West Boundary</b>																
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	3.0-5.0	0	0	20.8	0.05	0.0	0.0	21.6	-	0.0	0.0	20.4	-			
LG-24	3.0-8.0	water in probe				0.0	0.0	21.5	-	0.0	0.0	20.4	-			
LG-25	3.0-8.0	water in probe				0.0	0.7	21.0	-	0.0	0.2	20.4	-			
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	3.0-8.0	0	2	20.8	0.05	0.0	0.1	21.4	-	0.0	0.0	20.4	-			
LG-28	3.0-8.0	0	1.1	17.3	0.05	0.0	1.9	19.0	-	0.0	2.5	16.0	-			
LG-29	3.0-8.0	Damaged				Damaged				Damaged						
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	-	0.0	5.8	15.1	-			
LG-33	7.0-12.0	0	0.5	20.5	0.16	0.0	0.2	21.3	-	0.0	0.1	20.3	-			
LG-34	3.0-8.0	0	1.5	19.5	0.16	0.0	7.4	10.7	-	0.0	0.0	20.4	-			
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	Decommissioned 08/1/07				Decommissioned 08/1/07				Decommissioned 08/1/07						
LG-37	7.0-12.0	Decommissioned 08/1/07				Decommissioned 08/1/07				Decommissioned 08/1/07						
LG-38	7.0-12.0	Decommissioned 08/1/07				Decommissioned 08/1/07				Decommissioned 08/1/07						
LG-39	7.0-12.0	Decommissioned 08/1/07				Decommissioned 08/1/07				Decommissioned 08/1/07						
LG-40	7.0-12.0	Decommissioned 08/1/07				Decommissioned 08/1/07				Decommissioned 08/1/07						
<b>Upgradient West Boundary</b>																
LG-56	10.0-25.0	0.0	0.2	20.8	-	0.0	10.4	5.5	-	0.0	9.9	3.8	-			
LG-57	10.0-35.0	0.0	3.8	18.6	-	2.1	7.6	6.2	-	0.0	1.1	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	15.0-35.0	4.8	12.6	19.2	-	4.4	27.2	0.6	-	2.2	21.9	1.9	-			
LG-78	10.0-25.0	0.0	2.6	17.2	-	0.0	6.2	12.2	-	0.0	0.3	20.0	-			
LG-95																
<b>Northern Landfill Boundary</b>																
LG-1	3.5-6	Decommissioned 7/11/10				Decommissioned 7/11/10				Decommissioned 7/11/10						
LG-11	3.5-5.5	Monument filled				Monument filled				Monument filled						
LG-12	3.5-5.5	0.0	0.0	20.9	-	0.0	0.0	21.9	-	0.0	0.2	20.7	-			
LG-41	5.0-10.0	12.6	0.5	0.4	-	1.0	0.0	21.7	-	0.0	0.2	20.7	-			
LG-42	8.0-13.0	Decommissioned 7/11/10				Decommissioned 7/11/10				Decommissioned 7/11/10						
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	3.0-8.0	78.6	19.1	0.2	-	85.8	12.3	0.0	-	82.7	11.4	0.2	-			
LG-45	3.0-8.0	10.7	10.8	0.3	-	Gas probe in flooded area and inaccessible				0.0	0.0	20.5	-			
LG-46	10.0-15.0	under soil/sediments, could not locate				Under soil/sediments, could not locate				0.0	0.0	20.3	-			
LG-47	5.0-10.0	48.4	14.8	0.0	-	24.6	8.0	0.0	-	Under soil/sediments, could not locate						
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	-			
LG-60	5.0-15.0	Monument damaged				Monument damaged				Monument damaged						
LG-61	5.0-15.0	0.0	1.1	19.3	-	0.0	0.6	20.8	-	0.0	0.2	20.7	-			
LG-62	5.0-15.0	0.2	0.2	20.6	-	0.0	0.9	20.0	-	0.0	0.2	20.7	-			
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				Buried under fill				Buried under fill						
LG-70	3.0-7.0	0.0	0.4	20.2	-	0.0	3.7	16.0	-	0.0	0.0	20.1	-			
LG-91		Not yet installed				Not yet installed				Not yet installed						
LG-92		Not yet installed				Not yet installed				Not yet installed						
LG-93		Not yet installed				Not yet installed				Not yet installed						
LG-94		Not yet installed				Not yet installed				Not yet installed						
<b>Utility Trenches</b>																
<b>I-5 (west end)</b>																
LG-48	3.0-6.0	Buried under fill				Buried under fill				Buried under fill						
LG-49	2.5 to 6	Decommissioned 6/20/08				Decommissioned 6/20/08				Decommissioned 6/20/08						
LG-50	4.0-12.0	Monument tilted / damaged				Monument tilted / damaged				Monument tilted / damaged						
LG-51	3.0-5.0	Buried under fill				Buried under fill				Buried under fill						
LG-63	3.0-4.0	Decommissioned 6/20/08				Decommissioned 6/20/08				Decommissioned 6/20/08						
LG-64	4.0-7.0	Decommissioned 6/20/08				Decommissioned 6/20/08				Decommissioned 6/20/08						
LG-65	5.0-15.0	Decommissioned 6/20/08				Decommissioned 6/20/08				Decommissioned 6/20/08						
LG-66	5.0-8.0	Buried under bridge pier				Buried under bridge pier				Buried under bridge pier						
LG-74	5.0-7.0	Buried under fill				Buried under fill				Buried under fill						
LG-75	3.0-5.0	Decommissioned				Decommissioned				Decommissioned						
LG-79	2.0-4.0	Monument damaged				Monument damaged				Monument damaged						
LG-80	2.0-4.0	Monument damaged				Monument damaged				Monument damaged						
LG-81	6.75-11.75	Monument damaged				Monument damaged				Monument damaged						
LG-85	5.5-10.5	Not yet installed				Not yet installed				Not yet installed						
LG-86	5.5-10.5	Not yet installed				Not yet installed				Not yet installed						
LG-87	5.5-10.5	Not yet installed				Not yet installed				Not yet installed						
<b>Landfill Exterior (north west end)</b>																
LG-88	3-10	Not yet installed				Not yet installed				Not yet installed						
LG-89	3-10	Not yet installed				Not yet installed				Not yet installed						
LG-90	3-10	Not yet installed				Not yet installed				Not yet installed						
<b>Eclipse (east end)</b>																
LG-52	3.0-8.0	Damaged 1/04				Damaged 1/04				Damaged 1/04						
LG-53	2.5-4.0	Buried under fill				Buried under fill				Buried under fill						
LG-54	3.0-6.0	Buried under fill				Buried under fill				Buried under fill						
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	-			















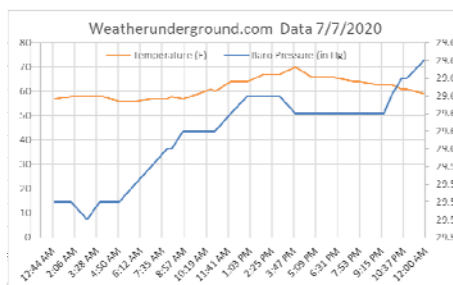






**Table 1**  
**Everett Landfill - Recent Gas Probe Monitoring**

	Screen Interval	Date		7/7/20		Water Depth (ft)
		CH4 %	CO2 %	O2 %	Pressure H2O	
<b>Landfill Interior</b>						
LG-2a	4.0-9.0	Damaged				
LG-2b	12.0-17.0	Damaged				
LG-2c	20.0-25.0	Damaged				
LG-3a	7.0-12.0	Decommissioned 2/21/08				
LG-3b	15.0-20.0	Decommissioned 2/21/08				
LG-5	3.5-6.5	Decommissioned 2/18/03				
LG-6	5.0-10.0	Decommissioned 2/21/08				
LG-8	5.0-8.0	Decommissioned 2/21/08				
LG-9a	4.0-9.0	Decommissioned 2/21/08				
LG-9b	12.0-17.0	Decommissioned 2/21/08				
LG-9c	20.0-25.0	Decommissioned 2/21/08				
LG-10a	4.0-9.0	Decommissioned 2/21/08				
LG-10b	11.0-16.0	Decommissioned 2/21/08				
LG-10c	18.0-23.0	Decommissioned 2/21/08				
LG-13	4.0-10.0	Decommissioned 2/21/08				
LG-14	4.0-8.0	72.8	19.7	1.2	5.7	
LG-15	4.0-10.0	9	2.8	18.2	-0.16	
LG-16	4.0-10.0	0.0	0.0	20.9	-0.23	
LG-17	4.0-9.0	Decommissioned 2/21/08				
LG-18	4.0-9.0	Decommissioned 2/21/08				
LG-19	5.0-12.5	Decommissioned 11/1/03				
LG-20	4.0-9.0	Decommissioned 11/1/03				
LG-82	5.0-10.0	42.7	7.5	7.0	-0.07	
LG-83	5.0-10.0	60.2	9.0	11.0	-0.12	
LG-84	5.0-10.0	48.1	10.1	13.7	-0.30	
<b>West Boundary</b>						
LG-21	3.0-5.0	0.0	0.0	20.9	1.23	
LG-22	3.0-5.0	Damaged				
LG-23	3.0-5.0	0.0	0.0	20.9	0.17	
LG-24	3.0-8.0	0.0	0.0	20.9	0.05	
LG-25	3.0-8.0	0.0	0.0	20.9	-0.26	
LG-26	3.0-8.0	0.0	0.0	20.9	-0.20	
LG-27	3.0-8.0	0.0	0.0	20.9	0.07	
LG-28	3.0-8.0	0.0	3.0	17.6	0.07	
LG-29	3.0-8.0	Damaged				
LG-30	5.0-10.0	0.0	6.1	14.2	0.05	
LG-31	7.0-12.0	0.0	5.6	12.8	-0.24	
LG-32	3.0-8.0	0.0	13.6	3.1	0.01	
LG-33	7.0-12.0	0.0	0.5	20.2	0.24	
LG-34	3.0-8.0	0.0	9.5	10.7	0.22	
LG-35	4.0-9.0	0.0	13.6	1.6	0.21	
LG-36	9.0-14.0	Decommissioned 08/1/07				
LG-37	7.0-12.0	Decommissioned 08/1/07				
LG-38	7.0-12.0	Decommissioned 08/1/07				
LG-39	7.0-12.0	Decommissioned 08/1/07				
LG-40	7.0-12.0	Decommissioned 08/1/07				
<b>Upgradient West Boundary</b>						
LG-56	10.0-25.0	Monument damaged				
LG-57	10.0-35.0	0.0	6.8	13.1	0.01	
LG-58	8.0-28.0	0.0	2.9	17.2	0.06	
LG-76	20.0-35.0	0.0	0.0	21.9	-0.78	
LG-77	15.0-35.0	Decommissioned 10/2019				
LG-78	10.0-25.0	0.0	0.0	21.8	0.01	
LG-95		0.6	21.8	0.5	0.02	
<b>Northern Landfill Boundary</b>						
LG-1	3.5-6	Decommissioned 7/11/10				
LG-11	3.5-5.5	Monument filled				
LG-12	3.5-5.5	Sample port filled with dirt				
LG-41	5.0-10.0	0.0	1.3	20.2	0.11	
LG-42	8.0-13.0	Decommissioned 7/11/10				
LG-43	3.0-8.0	Covered by Diversified preload/fill, on private property				
LG-44	3.0-8.0	Covered by building demo debris				
LG-45	3.0-8.0	Covered by building demo debris				
LG-46	10.0-15.0	Covered by Diversified preload/fill, on private property				
LG-47	5.0-10.0	Under soil/sediments, could not locate				
LG-55	6.0-16.0	Area overgrown, could not locate				
LG-59	5.0-15.0	Covered with ecology blocks				
LG-60	5.0-15.0	Monument damaged				
LG-61	5.0-15.0	Appears damaged, monument destroyed				
LG-62	5.0-15.0	Monument damaged				
LG-67	5.0-12.0	Monument damaged				
LG-68	2.0-5.0	Buried under fill				
LG-69	2.0-5.0	Buried under fill				
LG-70	3.0-7.0	0.0	9.3	9.4	-0.56	
LG-91		0.0	0.0	20.9	-0.08	
LG-92		0.0	0.0	20.9	-0.11	
LG-93		0.0	0.0	20.9	-0.2	
LG-94		0.0	0.4	20.7	-0.05	
<b>Utility Trenches</b>						
<b>I-5 (west end)</b>						
LG-48	3.0-6.0	Buried under fill				
LG-49	2.5 to 6	Decommissioned 6/20/08				
LG-50	4.0-12.0	Monument tilted / damaged				
LG-51	3.0-5.0	Buried under fill				
LG-63	3.0-4.0	Decommissioned 6/20/08				
LG-64	4.0-7.0	Decommissioned 6/20/08				
LG-65	5.0-15.0	Decommissioned 6/20/08				
LG-66	5.0-8.0	Buried under bridge pier				
LG-74	5.0-7.0	Buried under fill				
LG-75	3.0-5.0	Decommissioned				
LG-79	2.0-4.0	Monument damaged				
LG-80	2.0-4.0	Monument damaged				
LG-81	6.75-11.75	Monument damaged				
LG-85	5.5-10.5	0.0	11.2	4.3	0.05	
LG-86	5.5-10.5	0.0	4.3	10.1	0.13	
LG-87	5.5-10.5	0.0	4	17.6	0.07	
<b>Landfill Exterior (north west end)</b>						
LG-88	3-10	0.0	0.8	19.1	-0.05	
LG-89	3-10	0.0	0.0	20.9	0.06	
LG-90	3-10	0.0	0.1	20.9	-0.02	
<b>Eclipse (east end)</b>						
LG-52	3.0-8.0	Damaged 1/04				
LG-53	2.5-4.0	Buried under fill				
LG-54	3.0-6.0	Buried under fill				
LG-71	4.0-6.0	0.0	0.1	20.8	-0.04	
LG-72	2.5-4.0	0.0	0.1	20.8	-0.22	
LG-73	4.0-6.0	0.0	0.1	20.8	-0.07	



**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	8/12/1999	10/5/1999	11/8/1999	1/12/2000	2/9/2000	3/9/2000	3/9/2000	4/6/2000
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b>								
<b>2732 36th Street</b>								
lawn sprinkler vault (N side of bldg.)	0.0	20		15	0	20	20	20
roof drains	0.0	0 - 20		0-20	0	0	0	0
Women's public restroom (floor drain)**	0.0	1,200	1160-2500	2140	0-40	4260	4260	4260
Men's public restroom (floor drain)**				1000	0-120	0	0	0
employee restroom (floor drains)	0.0	0	0	0	0	0	0	60
floor crack in storage room adj. to cat room	-	160	500	110	1140	420	420	220
breathing zone in storage room adj. to cat room	-	0	100	0	0	0	0	0
telephone storage room	-	0	0	0	40	0	0	0
<b>Snohomish County Transfer Station</b>								
lunch room	0.0	0	0	0	0	0	0	240
restrooms	0.0	0	0	0	0	0	0	0
changing bldg	0.0	0	0	0	0	0	0	0
valve control vault	1.0			5000	260	2820	2820	8300
Scale vault (south side)						3400	3400	1380
Scale Vault (north side)					2500	1020	1020	40

**OFF-SITE STRUCTURES**

<b>GTS Drywall Supply Co.</b>								
<b>2931 36th Street</b>								
roof drains (W, N, E sides of bldg)	0.0	0.0	0	0	0			0
roof drain (SW corner of bldg)**	0.0	1200	0	0	0			0
toilets	0.0	0.0		0	0			0
floor cracks	0.0	0.0	0	0	0			0
foundation cracks	0.0	0.0	0	0	0			0
boiler pipe penetrations	0.0	0		0	0			0
<b>Everett Gospel Mission</b>								
<b>3711 Smith Avenue</b>								
lawn sprinkler vault (N side of bldg)	0.0	60	40	20	0			0
floor cracks	0.0	0	0	0	0			0
foundation cracks	0.0	0		0	0			0
boiler pipe penetrations	0.0	0	0	0	0			0
food storage room	-	0	0	0-20	0			0
<b>Cascade Wholesale</b>								
<b>2410 38th Street</b>								
lawn sprinkler vault (E side of bldg)	0.0	20	20	10	0			0
roof drains	0.0	0		0	0			0
sewer	0.0	0		0	0			0
restrooms		0	0	0	0			0
floor cracks inside bldg		0-20	0	0-20	0-120			0
<b>H &amp; R Mechanical Systems Inc.</b>								
<b>2407 38th Street</b>								
roof drains	0.0	0	0	0	0			0
cracks in pavement	0.0	0	0	0	0			0
floor cracks		0	0	0	0			0
<b>Sno Valley Process Solutions</b>								
<b>2420 38th Street</b>								
roof drains		0		0	0			0
cracks in pavement		0		0	0			0
floor cracks		0		0	0-60			0
<b>Ron May Towing</b>								
<b>2406 39th Street</b>								
bathrooms			0	0	20			60
exterior drains			0	0	0			0
<b>Diversified Recycling/Car Wash Chemical Co.</b>								
<b>2931 36th Street</b>								
boiler room					0			0
bathrooms					0			0
closet					0			0
beam/floor cracks					0			0
drainage pipe					0			0
roof drains outside building								
warehouse breathing space								
south sensor								
north sensor								

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	5/3/2000	6/8/2000	7/10/2000	5/3/2000	6/8/2000	7/10/2000	8/10/2000	9/27/2000
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b>								
<b>2732 36th Street</b>								
lawn sprinkler vault (N side of bldg.)	40	20	0	40	20	0	0	0
roof drains	0	0	0	0	0	0	0	0
Women's public restroom (floor drain)**	2420	0	0	2420	0	0	0	0
Men's public restroom (floor drain)**	140	0	40	140	0	40	0	0
employee restroom (floor drains)	w=0,m=40	0	0	w=0,m=40	0	0	0	0
floor crack in storage room adj. to cat room	3400	140	0	3400	140	0	0	0
breathing zone in storage room adj. to cat room	0	0	0	0	0	0	0	0
telephone storage room	20	0	0	20	0	0	0	0
<b>Snohomish County Transfer Station</b>								
lunch room	0	0	0	0	0	0	0	0
restrooms	0	0	0	0	0	0	0	0
changing bldg	0	0	0	0	0	0	0	0
valve control vault	0	0	0	0	0	0	0	0
Scale vault (south side)	0	0	0	0	0	0	0	0
Scale Vault (north side)	240	40	100	240	40	100	60	100

**OFF-SITE STRUCTURES**

<b>GTS Drywall Supply Co.</b>								
<b>2931 36th Street</b>								
roof drains (W, N, E sides of bldg)							0	
roof drain (SW corner of bldg)**							0	
toilets							0	
floor cracks							0	
foundation cracks							0	
boiler pipe penetrations							0	
<b>Everett Gospel Mission</b>								
<b>3711 Smith Avenue</b>								
lawn sprinkler vault (N side of bldg)							0	
floor cracks							0	
foundation cracks							0	
boiler pipe penetrations							0	
food storage room							0	
<b>Cascade Wholesale</b>								
<b>2410 38th Street</b>								
lawn sprinkler vault (E side of bldg)							0	
roof drains							0	
sewer							0	
restrooms							0	
floor cracks inside bldg							0	
<b>H &amp; R Mechanical Systems Inc.</b>								
<b>2407 38th Street</b>								
roof drains							0	
cracks in pavement							0	
floor cracks							0	
<b>Sno Valley Process Solutions</b>								
<b>2420 38th Street</b>								
roof drains							0	
cracks in pavement							0	
floor cracks							0	
<b>Ron May Towing</b>								
<b>2406 39th Street</b>								
bathrooms							0	
exterior drains							0	
<b>Diversified Recycling/Car Wash Chemical Co.</b>								
<b>2931 36th Street</b>								
boiler room							0	
bathrooms							0	
closet							0	
beam/floor cracks							0	
drainage pipe							0	
roof drains outside building								
warehouse breathing space								
south sensor								
north sensor								



**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	10/25/2000	12/12/2000	9/27/2000	10/25/2000	12/12/2000	2/2/2001	5/15/2001	7/25/2001
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b> <b>2732 36th Street</b>								
lawn sprinkler vault (N side of bldg.)	0	0	0	0	0	0		0
roof drains	0	0	0	0	0	0		0
Women's public restroom (floor drain)**	0	0	0	0	0	0	60	0
Men's public restroom (floor drain)**	0	0	0	0	0	0	0	0
employee restroom (floor drains)	0	0	0	0	0	0	0	0
floor crack in storage room adj. to cat room	0	0	0	0	0	0	1040	80
breathing zone in storage room adj. to cat room	0	0	0	0	0	0	660	0
telephone storage room	0	0	0	0	0	0		0
<b>Snohomish County Transfer Station</b>								
lunch room	0	0	0	0	0	0		0
restrooms	0	0	0	0	0	0		0
changing bldg	0	0	0	0	0	0		0
valve control vault	0	0	0	0	0	0		0
Scale vault (south side)	0	0	0	0	0	0		0
Scale Vault (north side)	60	70	100	60	70	150		0

**OFF-SITE STRUCTURES**

<b>GTS Drywall Supply Co.</b> <b>2931 36th Street</b>								
roof drains (W, N, E sides of bldg)						0		
roof drain (SW corner of bldg)**						0		
toilets						0		
floor cracks						0		
foundation cracks						0		
boiler pipe penetrations						0		
<b>Everett Gospel Mission</b> <b>3711 Smith Avenue</b>								
lawn sprinkler vault (N side of bldg)						0		0
floor cracks						0		0
foundation cracks						0		0
boiler pipe penetrations						0		0
food storage room						0		0
<b>Cascade Wholesale</b> <b>2410 38th Street</b>								
lawn sprinkler vault (E side of bldg)						0		0
roof drains						0		0
sewer						0		0
restrooms						0		0
floor cracks inside bldg						0		0
<b>H &amp; R Mechanical Systems Inc.</b> <b>2407 38th Street</b>								
roof drains						0		0
cracks in pavement						0		0
floor cracks						0		0
<b>Sno Valley Process Solutions</b> <b>2420 38th Street</b>								
roof drains						0		0
cracks in pavement						0		0
floor cracks						0		0
<b>Ron May Towing</b> <b>2406 39th Street</b>								
bathrooms						0		0
exterior drains						0		0
<b>Diversified Recycling/Car Wash Chemical Co.</b> <b>2931 36th Street</b>								
boiler room						0		0
bathrooms						0		0
closet						0		0
beam/floor cracks						0		0
drainage pipe						0		0
roof drains outside building								
warehouse breathing space								
south sensor								
north sensor								

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

All sampling after & including 11/12/02 measured with Foxboro FI

	5/24/2002	7/17/2002	11/1/2002	11/12/2002	11/13/2002	11/14/2002	1/27/2003	5/8/2003
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b>								
<b>2732 36th Street</b>								
lawn sprinkler vault (N side of bldg.)	80	40	20				0	0
roof drains	0	0	0				0	0
Women's public restroom (floor drain)**	40	20	20	12	0	0	0	0
Men's public restroom (floor drain)**	20	20	20	15	0	0	0	0
employee restroom (floor drains)	0	0	40	0		0	0	0
floor crack in storage room adj. to cat room	480	0	40	0	0	0	0	0
breathing zone in storage room adj. to cat room	200	0	60	6	0	0	0	0
telephone storage room	40	80	20	0	0	0	0	0
<b>Snohomish County Transfer Station</b>								
lunch room	200	0	120	40	60	60	0	0
restrooms	140	0	140	80	60	80	84	84
changing bldg	0	0	20	0	0	0	0	0
valve control vault	9000	140	440	0	0	0	500	>3637
Scale vault (south side)	1240	3020	920	0	10	10	110	1900
Scale Vault (north side)	7400	780	2200	200	200	450	520	720
<b>OFF-SITE STRUCTURES</b>								
<b>GTS Drywall Supply Co.</b>								
<b>2931 36th Street</b>								
roof drains (W, N, E sides of bldg)		0	vac	vac	vac	vac	vac	vac
roof drain (SW corner of bldg)**		0						
toilets		vac						
floor cracks		0						
foundation cracks		0						
boiler pipe penetrations		vac						
<b>Everett Gospel Mission</b>								
<b>3711 Smith Avenue</b>								
lawn sprinkler vault (N side of bldg)	40	60	120	0	0	0	0	0
floor cracks	0	0	20					
foundation cracks	0	0	20					
boiler pipe penetrations	0	0	0					
food storage room	20	0	20					
<b>Cascade Wholesale</b>								
<b>2410 38th Street</b>								
lawn sprinkler vault (E side of bldg)	60	20	20	0			0	0
roof drains	80	0	0				0	0
sewer	60	0	40				0	0
restrooms	0	0	140	0	0	0	0	0
floor cracks inside bldg	0	0	140	0	0	0	0	0
<b>H &amp; R Mechanical Systems Inc.</b>								
<b>2407 38th Street</b>								
roof drains	0	0	vac	vac	vac	vac	vac	0
cracks in pavement	0	0						0
floor cracks	0	0						0
<b>Sno Valley Process Solutions</b>								
<b>2420 38th Street</b>								
roof drains	0	20	0				0	0
cracks in pavement	0	0	0				0	0
floor cracks	0	0	20				0	0
<b>Ron May Towing</b>								
<b>2406 39th Street</b>								
bathrooms	0	0	140	0	0	0	0	0
exterior drains	0	20	0				0	0
<b>Diversified Recycling/Car Wash Chemical Co.</b>								
<b>2931 36th Street</b>								
boiler room	40	0	0				0	0
bathrooms	0	0	20				0	0
closet	0	0	20				0	0
beam/floor cracks	0	0	0				0	0
drainage pipe	0	40	0				0	0
roof drains outside building								
warehouse breathing space								
south sensor								
north sensor								

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

D, Model OVA 128

	7/16/2003	10/9/2003	1/16/2004	4/7/2004	7/8/2004	10/13/2004	3/24/2005	7/13/2005
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b> <b>2732 36th Street</b>								
lawn sprinkler vault (N side of bldg.)	0	0	0	0	1.2	0	0	0
roof drains	0	0	35.6	0.4	2	0	0	0
Women's public restroom (floor drain)**	0	0	84.2	0.8	1.2	0	0	0
Men's public restroom (floor drain)**	0	0	5.9	0.9	1.6	0	0	0
employee restroom (floor drains)	0	0	0	1.1	0.5	0	0	0
floor crack in storage room adj. to cat room	0	0	0	0.8	1.1	0	0	0
breathing zone in storage room adj. to cat room	0	0	0	0	1.9	0	0	0
telephone storage room	10.3	0	0	1.2	1.9	0	0	0
<b>Snohomish County Transfer Station</b>								
lunch room	94.4	23.2						
restrooms	112.2	37.4						
changing bldg	5.4	0						
valve control vault	0	0						
Scale vault (south side)	0	0						
Scale Vault (north side)	368.2	65.7						

**OFF-SITE STRUCTURES**

<b>GTS Drywall Supply Co.</b> <b>2931 36th Street</b>	vac	vac	vac	vac	vac	vac	vac	vac
roof drains (W, N, E sides of bldg)								
roof drain (SW corner of bldg)**								
toilets								
floor cracks								
foundation cracks								
boiler pipe penetrations								
<b>Everett Gospel Mission</b> <b>3711 Smith Avenue</b>								
lawn sprinkler vault (N side of bldg)	0	0	0	0	0	0	0	0
floor cracks	0	0	0	0.2	0	0	0	0
foundation cracks	0	0	0	0	0	0	0	0
boiler pipe penetrations	2.4	0	63.6	1	2.5	0.5	0	0
food storage room	0	0	0	0	0	1	0	0
<b>Cascade Wholesale</b> <b>2410 38th Street</b>								
lawn sprinkler vault (E side of bldg)	0	0	0	0	0	0	0	0
roof drains	0	0	0	0	0	0	0	0
sewer	0	0	0.4	0	0	0	0	0
restrooms	7.6	0	0	0	23.6	0	0	0
floor cracks inside bldg	0	0	0	0	0	0	0	0
<b>H &amp; R Mechanical Systems Inc.</b> <b>2407 38th Street</b>								
roof drains	0	0	0	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0	0	0
floor cracks	0	0	0	0	0	6.6	0	0
<b>Sno Valley Process Solutions</b> <b>2420 38th Street</b>	vac	vac	vac					
roof drains				0	0	0	0	0
cracks in pavement				0	0	0	0	0
floor cracks				18.9	5.9	6.6	0	0
<b>Ron May Towing</b> <b>2406 39th Street</b>								
bathrooms	0	0	0	0	0	4.4	0	0
exterior drains	0	0	0	0	0	0	0	0
<b>Diversified Recycling/Car Wash Chemical Co.</b> <b>2931 36th Street</b>								
boiler room	9	0	0	1.3	0	0	0	0
bathrooms	9.4	0	0	0.6	0.1	7.6	0	0
closet	8.1	0	9	0.2	0	3.5	0	0
beam/floor cracks	2.1	0	0	0	0	0	0	0
drainage pipe	0	0	0	0	0	0	0	0
roof drains outside building						804	0	0
warehouse breathing space						14.6	29.2	4.2
south sensor						7.2	5.5	0
north sensor						7.5	0	0

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	10/12/2005	1/24/2006	6/2/2006	8/18/2006	10/19/2006	1/16/2007	5/4/2007
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b> <b>2732 36th Street</b>							
lawn sprinkler vault (N side of bldg.)	0	0	0	0	0	0	0
roof drains	0	1.2	0	0	0	0	0
Women's public restroom (floor drain)**	0	0.8	0	0	0	0	0
Men's public restroom (floor drain)**	0	0.5	0	0	0	0	0
employee restroom (floor drains)	0	1.5	0	0	0	9.1	0
floor crack in storage room adj. to cat room	0	0.7	0	0	0	0	0
breathing zone in storage room adj. to cat room	0	1.5	0	0	0	0	0
telephone storage room	0	3	0	0	0	0	0
<b>Snohomish County Transfer Station</b>							
lunch room							
restrooms							
changing bldg	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed
valve control vault							
Scale vault (south side)							
Scale Vault (north side)							

**OFF-SITE STRUCTURES**

<b>GTS Drywall Supply Co.</b> <b>2931 36th Street</b>	vac	vac	vac	vac	vac	vac	vac
roof drains (W, N, E sides of bldg)							
roof drain (SW corner of bldg)**							
toilets							
floor cracks							
foundation cracks							
boiler pipe penetrations							
<b>Everett Gospel Mission</b> <b>3711 Smith Avenue</b>							
lawn sprinkler vault (N side of bldg)	0	0	0	16	0	0	0
floor cracks	0	0	0	0	0	0	0
foundation cracks	0	0	0	0	0	0	0
boiler pipe penetrations	0	1.5	0	0	63.4	28.2	14.6
food storage room	0	0	0	0	0	0	0
<b>Cascade Wholesale</b> <b>2410 38th Street</b>							
lawn sprinkler vault (E side of bldg)	0	0	0	0	0	0	0
roof drains	0	0	0	0	0	0	0
sewer	0	0	0	0	0	0	0
restrooms	0	8.5	0	0	0	0	0
floor cracks inside bldg	0	0	0	0	0	0	0
<b>H &amp; R Mechanical Systems Inc.</b> <b>2407 38th Street</b>							
roof drains	0	0	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0	0
floor cracks	0	5	0	0	37.2	0	0
<b>Sno Valley Process Solutions</b> <b>2420 38th Street</b>							
roof drains	0	0	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0	0
floor cracks	0	3	0	3.7	10.7	0	0
<b>Ron May Towing</b> <b>2406 39th Street</b>							
bathrooms	0	0	0	0	0	0	0
exterior drains	0	0	0	0	0	0	0
<b>Diversified Recycling/Car Wash Chemical Co.</b> <b>2931 36th Street</b>							
boiler room	0	3.2	0	0	0	0	0
bathrooms	0	2.8	0	0	0	0	0
closet	0	4.1	0	0	0	0	0
beam/floor cracks	0	0.5	0	0	0	0	0
drainage pipe	0	1.2	0	0	0	0	0
roof drains outside building	0	0	0	0	0	0	0
warehouse breathing space	7	0.8	0	0	0	0	0
south sensor	1.1	0.8	0	0	0	0	0
north sensor	0.3	1.1	0	0	0	0	0

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	7/9/2007	10/24/2007	2/1/2008	4/28/2008	6/13/2008	10/23/2008	1/16/2009
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b>							
<b>2732 36th Street</b>							
lawn sprinkler vault (N side of bldg.)	0	0	0	0	0	0	0
roof drains	0	0	0	0	0	0	0.1
Women's public restroom (floor drain)**	0	0	0	0	0	0	0
Men's public restroom (floor drain)**	0	0	0.4	0	0	0	0
employee restroom (floor drains)	0	0	0	0	0	0	1.1
floor crack in storage room adj. to cat room	0	0	0	0	0	0	0
breathing zone in storage room adj. to cat room	0	0	0	0	0	0	0
telephone storage room	0	1.1*	0	0	0	1.3*	1.4
<b>Snohomish County Transfer Station</b>							
lunch room							
restrooms							
changing bldg	transfer	transfer station	transfer	transfer	transfer	transfer station	transfer
valve control vault	station closed	closed	station closed	station closed	station closed	closed	station closed
Scale vault (south side)							
Scale Vault (north side)							
<b>OFF-SITE STRUCTURES</b>							
<b>GTS Drywall Supply Co.</b>							
<b>2931 36th Street</b>							
roof drains (W, N, E sides of bldg)	vac						
roof drain (SW corner of bldg)**							
toilets		bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
floor cracks							
foundation cracks							
boiler pipe penetrations							
<b>Everett Gospel Mission</b>							
<b>3711 Smith Avenue</b>							
lawn sprinkler vault (N side of bldg)	0	0	0	0	0	0	0.4
floor cracks	0	0	0	0	0	0	0.9
foundation cracks	0	0	0	0	0	0	0.2
boiler pipe penetrations	25.2	0	22.1	20.4	18.1	4.8	0.4
food storage room	0	0	0	0	0	0	0.9
<b>Cascade Wholesale</b>							
<b>2410 38th Street</b>							
lawn sprinkler vault (E side of bldg)	0	0	0	0	0	0	1.3
roof drains	0	0	0	0	0	0	0.3
sewer	0	0	0.4	0	0	0	0.3
restrooms	0	0	1.2	0	0	0	0
floor cracks inside bldg	0	0	1.2	0	0	0	0.4
<b>H &amp; R Mechanical Systems Inc.</b>							
<b>2407 38th Street</b>							
roof drains	0	0	1.7	0	0	0	0
cracks in pavement	0	0	9.7	0	0	0	0
floor cracks	0	0	2.6	0	0	0	7.5
<b>Sno Valley Process Solutions</b>							
<b>2420 38th Street</b>							
roof drains	0	0	0	0	0	0	0
cracks in pavement	0	0	1.7	0	0	0	0
floor cracks	0	0	1.2	0	0	0	1.2
<b>Ron May Towing</b>							
<b>2406 39th Street</b>							
bathrooms	0	9.8	7.8	6.5	5.1	1.3	0.2
exterior drains	0	0	0.2	0.8	0.2	0	0
<b>Diversified Recycling/Car Wash Chemical Co.</b>							
<b>2931 36th Street</b>							
boiler room	0	0	1	0	0	0	0
bathrooms	0	0	0.5	0	0	0	0
closet	0	0	0.3	0	0	0	0
beam/floor cracks	0	0	0.6	0	0	0	0
drainage pipe	0	0	0	0	0	0	0
roof drains outside building	0	0	0	0	0	0	0
warehouse breathing space	0	0	0	0	0	0	0
south sensor	0	0	0	0	0	0	0
north sensor	0	0	0	0	0	0	0

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	4/30/2009	7/10/2009	10/29/2009	1/20/2010	4/7/2010	7/8/2010	11/2/2010
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b> <b>2732 36th Street</b>							
lawn sprinkler vault (N side of bldg.)							
roof drains							
Women's public restroom (floor drain)**							
Men's public restroom (floor drain)**	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed
employee restroom (floor drains)							
floor crack in storage room adj. to cat room							
breathing zone in storage room adj. to cat room							
telephone storage room							
<b>Snohomish County Transfer Station</b>							
lunch room							
restrooms							
changing bldg	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed
valve control vault							
Scale vault (south side)							
Scale Vault (north side)							

**OFF-SITE STRUCTURES**

<b>GTS Drywall Supply Co.</b> <b>2931 36th Street</b>							
roof drains (W, N, E sides of bldg)							
roof drain (SW corner of bldg)**							
toilets	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
floor cracks							
foundation cracks							
boiler pipe penetrations							
<b>Everett Gospel Mission</b> <b>3711 Smith Avenue</b>							
lawn sprinkler vault (N side of bldg)	0	0	0	1.8	0	1.2	0
floor cracks	0	0	0.1	0.3	0	1.8	0.6
foundation cracks	0	1.1	0	0.6	0	1.7	0
boiler pipe penetrations	2.4	1.3	0.6	1.1	14.2	7.5	2.2
food storage room	0	0	35.9	1.3	0	2.9	0.7
<b>Cascade Wholesale</b> <b>2410 38th Street</b>							
lawn sprinkler vault (E side of bldg)	0	0	0	6.1	0	1.2	0
roof drains	0	0	0	0	0	1.2	0
sewer	0	0	0	3.4	0	0.9	0
restrooms	0	0	0	1.8	0	2.5	0
floor cracks inside bldg	0	0	0	0.8	0	2.4	0.2
<b>H &amp; R Mechanical Systems Inc.</b> <b>2407 38th Street</b>							
roof drains	0	0	0	4.7	0	1.9	0
cracks in pavement	0	0	0	5.6	0	1.7	0.2
floor cracks	0	0	0	0.5	0	4.4	0.2
<b>Sno Valley Process Solutions</b> <b>2420 38th Street</b>							
roof drains	0	0	0	0	0	0.4	0.2
cracks in pavement	0	1.2	0	0	0	0.8	0
floor cracks	0	2.2	0	2.2	0	3	0.7
<b>Ron May Towing</b> <b>2406 39th Street</b>							
bathrooms	2.4	0.9	7.3	0.3	0	2.3	0.9
exterior drains	0	0	0	0	0	1.2	0.2
<b>Diversified Recycling/Car Wash Chemical Co.</b> <b>2931 36th Street</b>							
boiler room	0	0	4.3	0	0	0.4	0.7
bathrooms	0	0	2.2	0	0	0.2	0.5
closet	0	0	3.1	1.2	0	0.8	0.4
beam/floor cracks	0	0	3.8	0	0	0	0
drainage pipe	0	0	1.3	0	0	0	0
roof drains outside building	0	NA	5.6	0	0	0	0.5
warehouse breathing space	0	NA	2.7	2.7	0	0.7	1.1
south sensor	0	NA	3.5	3.9	0	1.5	1
north sensor	0	NA	3.5	3.4	0	1.5	1

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	1/26/2011	4/6/2011	7/12/2011	10/11/2011	12/27/2011	6/5/2012***	9/10/2012
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b> <b>2732 36th Street</b>							
lawn sprinkler vault (N side of bldg.)							
roof drains							
Women's public restroom (floor drain)**							
Men's public restroom (floor drain)**	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed
employee restroom (floor drains)							
floor crack in storage room adj. to cat room							
breathing zone in storage room adj. to cat room							
telephone storage room							
<b>Snohomish County Transfer Station</b>							
lunch room							
restrooms							
changing bldg	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed
valve control vault							
Scale vault (south side)							
Scale Vault (north side)							
<b>OFF-SITE STRUCTURES</b>							
<b>GTS Drywall Supply Co.</b> <b>2931 36th Street</b>							
roof drains (W, N, E sides of bldg)							
roof drain (SW corner of bldg)**							
toilets	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
floor cracks							
foundation cracks							
boiler pipe penetrations							
<b>Everett Gospel Mission</b> <b>3711 Smith Avenue</b>							
lawn sprinkler vault (N side of bldg)	0	0	13.3	0	0	20	0
floor cracks	0.5	1.9	0	0	0	0	1
foundation cracks	7.8	0	0	0	0	20	2
boiler pipe penetrations	0.7	2.2	0	2.6	5.8	0	1.4
food storage room	0.5	2.1	0	0	1	0	0
<b>Cascade Wholesale</b> <b>2410 38th Street</b>							
lawn sprinkler vault (E side of bldg)	0	0	0	0	0	60	1
roof drains	0	0	0	0	0.4	0	1.6
sewer	0	1.1	0	0	0.2	0	1.7
restrooms	0.5	0.4	8.3	0	1.4	20	1.9
floor cracks inside bldg	1	0	2.9	0	1.2	20	1.8
<b>H &amp; R Mechanical Systems Inc.</b> <b>2407 38th Street</b>							
roof drains	0	0	0	0	0.4	20	0
cracks in pavement	0	0	0	0	0.3	10	1
floor cracks	0.5	0.4	0	0	0.6	10	1
<b>Sno Valley Process Solutions</b> <b>2420 38th Street</b>							
roof drains	0	0	0	0	0	0	1.5
cracks in pavement	0	0	0	0	0	0	1.3
floor cracks	0	0.3	0	0	1.1	0	1.5
<b>Ron May Towing</b> <b>2406 39th Street</b>							
bathrooms	0.5	0.5	18.6	0	0.5	20	0.4
exterior drains	16.3	1.4	0	0	0.1	20	0
<b>Diversified Recycling/Car Wash Chemical Co.</b> <b>2931 36th Street</b>							
boiler room	1.2	0.3	2.1	0	0.9	0	0
bathrooms	1	1.3	0	0	0.7	0	0.5
closet	1.3	0.8	0	0	0.8	0	0
beam/floor cracks	0	0	0	0	0.6	0	1.2
drainage pipe	0	0	0	0	0.5	0	0
roof drains outside building	0	0	33.8	0	32.2	0	0
warehouse breathing space	0	0.1	0	0	0.9	0	0
south sensor	0.5	0.2	0	0	1	0	0
north sensor	0.6	0.5	0	0	1.2	0	1.4

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	10/23/2012***	1/16/2013	4/26/2013***	7/26/2013	10/24/2013	1/30/2014
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b> <b>2732 36th Street</b>						
lawn sprinkler vault (N side of bldg.)						
roof drains						
Women's public restroom (floor drain)**						
Men's public restroom (floor drain)**	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed
employee restroom (floor drains)						
floor crack in storage room adj. to cat room						
breathing zone in storage room adj. to cat room						
telephone storage room						
<b>Snohomish County Transfer Station</b>						
lunch room	transfer station closed	transfer station closed				
restrooms						
changing bldg	closed	closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed
valve control vault						
Scale vault (south side)						
Scale Vault (north side)						
<b>OFF-SITE STRUCTURES</b>						
<b>GTS Drywall Supply Co.</b> <b>2931 36th Street</b>						
roof drains (W, N, E sides of bldg)						
roof drain (SW corner of bldg)**						
toilets	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
floor cracks						
foundation cracks						
boiler pipe penetrations						
<b>Everett Gospel Mission</b> <b>3711 Smith Avenue</b>						
lawn sprinkler vault (N side of bldg)	0	0	0	0	0	0
floor cracks	0	0	0	0	0	0
foundation cracks	0	0	0	1	0	0
boiler pipe penetrations	10	0	0	2	0	0
food storage room	0	0	0	0	0	0
<b>Cascade Wholesale</b> <b>2410 38th Street</b>						
lawn sprinkler vault (E side of bldg)	0	0	0	0	0	0
roof drains	0	0	0	2	0	0
sewer	20	1.5	10	12	0	0
restrooms	0	1.1	0	1.2	0	0
floor cracks inside bldg	0	0	0	1	0	0
<b>H &amp; R Mechanical Systems Inc.</b> <b>2407 38th Street</b>						
roof drains	0	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0
floor cracks	0	NA	0	0	0	0
<b>Sno Valley Process Solutions</b> <b>2420 38th Street</b>						
roof drains	0	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0
floor cracks	0	0	0	0	0	0
<b>Ron May Towing</b> <b>2406 39th Street</b>						
bathrooms	0	0	0	0.2	0	0
exterior drains	0	0	0	0	0	0
<b>Diversified Recycling/Car Wash Chemical Co.</b> <b>2931 36th Street</b>						
boiler room	0	0	0	0	0	0
bathrooms	0	0	0	0.4	0	0
closet	0	0	0	0	0	0
beam/floor cracks	0	0	0	0	0	0
drainage pipe	0	0	0	0.4	0	0
roof drains outside building	0	0	10	2.4	0	0
warehouse breathing space	0	0	0	0	0	0
south sensor	0	0	0	0	0	0
north sensor	0	0	0	0	0	0



**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	5/7/2014	7/22/2014	11/6/2014	1/22/2015	4/23/2015	7/27/2015	11/20/2015
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b> <b>2732 36th Street</b>							
lawn sprinkler vault (N side of bldg.)							
roof drains							
Women's public restroom (floor drain)**							
Men's public restroom (floor drain)**	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed
employee restroom (floor drains)							
floor crack in storage room adj. to cat room							
breathing zone in storage room adj. to cat room							
telephone storage room							
<b>Snohomish County Transfer Station</b>							
lunch room							
restrooms							
changing bldg	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed
valve control vault							
Scale vault (south side)							
Scale Vault (north side)							
<b>OFF-SITE STRUCTURES</b>							
<b>GTS Drywall Supply Co.</b> <b>2931 36th Street</b>							
roof drains (W, N, E sides of bldg)							
roof drain (SW corner of bldg)**							
toilets	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
floor cracks							
foundation cracks							
boiler pipe penetrations							
<b>Everett Gospel Mission</b> <b>3711 Smith Avenue</b>							
lawn sprinkler vault (N side of bldg)	0	0	0	0.3	0	0	0
floor cracks	0	0	0	0	0	0	0
foundation cracks	0	0	0	0.1	0	0	0
boiler pipe penetrations	0	0	0.1	0	0	0	0
food storage room	0	0	0	0	0	0	0
<b>Cascade Wholesale</b> <b>2410 38th Street</b>							
lawn sprinkler vault (E side of bldg)	0	0	1.4	0	0	0	0
roof drains	0	0	0	0	0	0	0
sewer	0.1	20.5	1.5	0.2	0.2	0.1	0.1
restrooms	0	0	0	0	0	0	0
floor cracks inside bldg	0	0	0.1	0	0	0	0
<b>H &amp; R Mechanical Systems Inc.</b> <b>2407 38th Street</b>							
roof drains	0	0	0	0	0	0	0
cracks in pavement	0	0	0.2	3	0	0	0
floor cracks	0	0	0	0	0	0	0
<b>Sno Valley Process Solutions</b> <b>2420 38th Street</b>							
roof drains	0	0	0.3	0	0	0	0
cracks in pavement	0	0	0	5.7	0	0	0
floor cracks	0	0	0.4	0	0	0	0
<b>Ron May Towing</b> <b>2406 39th Street</b>							
bathrooms	0	0	0.5	0	0	0.1	0.1
exterior drains	0	1.1	1.3	0	0	0	0
<b>Diversified Recycling/Car Wash Chemical Co.</b> <b>2931 36th Street</b>							
boiler room	recycling center closed	recycling center closed	0				
bathrooms			0				
closet	closed	closed	0				
beam/floor cracks			0				
drainage pipe			0	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
roof drains outside building			0				
warehouse breathing space			0				
south sensor							
north sensor							

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	1/4/2016	4/13/2016	7/25/2016	11/7/2016	2/7/2017	5/11/2017	8/18/2017
Structure/Address	Methane	Methane	Methane	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b> <b>2732 36th Street</b>							
lawn sprinkler vault (N side of bldg.)							
roof drains							
Women's public restroom (floor drain)**							
Men's public restroom (floor drain)**	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed
employee restroom (floor drains)							
floor crack in storage room adj. to cat room							
breathing zone in storage room adj. to cat room							
telephone storage room							
<b>Snohomish County Transfer Station</b>							
lunch room							
restrooms							
changing bldg	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed	transfer station closed
valve control vault							
Scale vault (south side)							
Scale Vault (north side)							
<b>OFF-SITE STRUCTURES</b>							
<b>GTS Drywall Supply Co.</b> <b>2931 36th Street</b>							
roof drains (W, N, E sides of bldg)							
roof drain (SW corner of bldg)**							
toilets	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
floor cracks							
foundation cracks							
boiler pipe penetrations							
<b>Everett Gospel Mission</b> <b>3711 Smith Avenue</b>							
lawn sprinkler vault (N side of bldg)	0	0	0.1	0	0	0	0
floor cracks	0	0	0	0	0	0	0
foundation cracks	0	0	0	0	0	0	0
boiler pipe penetrations	0.4	0	0.1	0	0	0.4	0.1
food storage room	0	0	0	0	0	0.2	0.1
<b>Cascade Wholesale</b> <b>2410 38th Street</b>							
lawn sprinkler vault (E side of bldg)	0	0	0	0	0	0	0
roof drains	0	0	0	0	0	0	0
sewer	1.9	0.2	0	0	1.8	0.1	0.4
restrooms	0.8	0.2	0	0	0.2	0	0
floor cracks inside bldg	0	0	0	0	0	0	0
<b>H &amp; R Mechanical Systems Inc.</b> <b>2407 38th Street</b>							
roof drains	0	0	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0	0
floor cracks	0	0	0	0	0	0	0
<b>Sno Valley Process Solutions</b> <b>2420 38th Street</b>							
roof drains	0	0.1	0	0	0	0	0
cracks in pavement	0	0	0	0	0	0	0
floor cracks	0	0	0	0	0	0	0
<b>Ron May Towing</b> <b>2406 39th Street</b>							
bathrooms	0	0	0.1	0	0.3	0	0
exterior drains	0	0.1	0	0	0	0	0
<b>Diversified Recycling/Car Wash Chemical Co.</b> <b>2931 36th Street</b>							
boiler room							
bathrooms							
closet							
beam/floor cracks							
drainage pipe	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
roof drains outside building							
warehouse breathing space							
south sensor							
north sensor							

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

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

**Table 2**  
**Everett Landfill - Gas Monitoring at Structures**

**ON-SITE STRUCTURES**

	2/14/2020	4/24/2020	7/9/2020	11/2/2020
Structure/Address	Methane	Methane	Methane	Methane
sample location	ppm	ppm	ppm	ppm
<b>Everett Animal Shelter</b>				
<b>2732 36th Street</b>				
lawn sprinkler vault (N side of bldg.)				
roof drains				
Women's public restroom (floor drain)**				
Men's public restroom (floor drain)**	animal shelter closed	animal shelter closed	animal shelter closed	animal shelter closed
employee restroom (floor drains)				
floor crack in storage room adj. to cat room				
breathing zone in storage room adj. to cat room				
telephone storage room				
<b>Snohomish County Transfer Station</b>				
lunch room				
restrooms				
changing bldg	transfer station closed	transfer station closed	transfer station closed	transfer station closed
valve control vault				
Scale vault (south side)				
Scale Vault (north side)				
<b>OFF-SITE STRUCTURES</b>				
<b>GTS Drywall Supply Co.</b>				
<b>2931 36th Street</b>				
roof drains (W, N, E sides of bldg)				
roof drain (SW corner of bldg)**				
toilets	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
floor cracks				
foundation cracks				
boiler pipe penetrations				
<b>Everett Gospel Mission</b>				
<b>3711 Smith Avenue</b>				
lawn sprinkler vault (N side of bldg)	0	0	0	0
floor cracks	0	0	0	0
foundation cracks	0	0	0	0
boiler pipe penetrations	0	NA	NA	NA
food storage room	0	NA	NA	NA
<b>Cascade Wholesale</b>				
<b>2410 38th Street</b>				
lawn sprinkler vault (E side of bldg)	0	0	0	0
roof drains	0	0	0	0
sewer	0	0	0	0
restrooms	0	NA	NA	NA
floor cracks inside bldg	0	NA	NA	NA
<b>H &amp; R Mechanical Systems Inc.</b>				
<b>2407 38th Street</b>				
roof drains	0	0	0	0
cracks in pavement	0	0	0	0
floor cracks	0	0	0	0
<b>Sno Valley Process Solutions</b>				
<b>2420 38th Street</b>				
roof drains	0	0	0	0
cracks in pavement	0	0	0	0
floor cracks	0	0	0	0
<b>Ron May Towing</b>				
<b>2406 39th Street</b>				
bathrooms	0	NA	NA	NA
exterior drains	0	0	0	0
<b>Diversified Recycling/Car Wash Chemical Co.</b>				
<b>2931 36th Street</b>				
boiler room				
bathrooms				
closet				
beam/floor cracks				
drainage pipe	bldg demo'd	bldg demo'd	bldg demo'd	bldg demo'd
roof drains outside building				
warehouse breathing space				
south sensor				
north sensor				