

T E C H N I C A L M E M O R A N D U M

TO: Jerome Cruz—Washington State Department of Ecology

cc: Rob Howie—South Park Property Development, L.L.C.
Robert de la Llata—South Park Property Development, L.L.C.
Sheila Strehle—Seattle Public Utilities
Jeff Neuner—Seattle Public Utilities
Joe Hicker—King County

FROM: Matt Bowser, E.I.T., Staff Engineer
Russell Luiten, P.E., Project Engineer

DATE: July 5, 2019

RE: **LANDFILL GAS COLLECTION AND CONTROL SYSTEM
INTERIM ACTION PROGRESS REPORT—2018
SPPD PROPERTY
SOUTH PARK LANDFILL SITE
SEATTLE, WASHINGTON
FARALLON PN: 408-002**

Farallon Consulting, L.L.C. (Farallon) prepared this technical memorandum to describe the operation of the interim action landfill gas collection and control system (LFGCCS) during 2018 on behalf of South Park Property Development, L.L.C. (SPPD). This technical memorandum is issued to satisfy the requirements for annual interim action progress reporting for the SPPD LFGCCS specified in the *Interim Action Work Plan, South Park Landfill Site, Seattle, Washington* dated February 22, 2013, prepared by Farallon for SPPD (Interim Action Work Plan); and the *Interim Action Compliance Monitoring Plan, Appendix C of the Interim Action Work Plan, South Park Landfill Site, Seattle, Washington* dated February 22, 2013, prepared by Farallon for SPPD (IACMP). The *SPPD Property Landfill Gas Collection and Control System Operation, Maintenance, and Monitoring Plan, South Park Landfill Site, Seattle, Washington* dated June 7, 2016, prepared by Farallon for SPPD (OMMP), provides details for LFGCCS operation, maintenance, and monitoring.



This technical memorandum summarizes LFGCCS operation activities over the course of 2018. LFGCCS operations prior to 2018 are summarized in the following documents:

- Technical memorandum regarding Landfill Gas Collection and Control System Interim Action Progress Report—2015, SPPD Property, South Park Landfill Site, Seattle, Washington dated May 10, 2016, from Mr. Thaddeus J. Cline of Farallon to Mr. Jerome Cruz of the Washington State Department of Ecology (Ecology) (2015 Annual Report);
- Technical memorandum regarding Landfill Gas Collection and Control System Interim Action Summary Report—2016, SPPD Property, South Park Landfill Site, Seattle, Washington dated April 4, 2017, from Mr. Cline of Farallon to Mr. Cruz of Ecology; and
- Technical memorandum regarding Landfill Gas Collection and Control System Interim Action Summary Report—2017, SPPD Property, South Park Landfill Site, Seattle, Washington dated April 17, 2018, from Mr. Cline of Farallon to Mr. Cruz of Ecology.

BACKGROUND

An interim action, consisting of landfill gas control, surface water control, landfill capping, and institutional controls, is being conducted under terms of an amendment to Agreed Order No. 6706 and the Washington State Model Toxics Control Act Cleanup Regulation as established in Chapter 173-340 of the Washington Administrative Code (WAC 173-340), specifically WAC 173-340-430 (Interim Action). The amendment to Agreed Order No. 6706, with the Interim Action Work Plan attached as Exhibit E, was executed by Seattle Public Utilities, SPPD, and Ecology with an effective date of June 6, 2013. The Interim Action is being conducted at a 19.4-acre portion of the closed 39-acre South Park Landfill in Seattle, Washington (King County Parcel No. 3224049005) (herein referred to as the SPPD Property) (Figures 1 and 2). The area at which the Interim Action is being conducted includes the SPPD Property and those areas contiguous with the SPPD Property where buried municipal solid waste (MSW) extends beneath City of Seattle rights-of-way along 5th Avenue South and South Sullivan Street to the east and south of the SPPD Property, respectively, as shown in relation to the properties comprising the South Park Landfill on Figure 2 (Interim Action Area).

The Interim Action is being conducted in advance of cleanup of the South Park Landfill, which is defined as the area where hazardous substances deposited, disposed of, or placed at the South Park Landfill have come to be located; and is referred to as the South Park Landfill Site in this document and prior SPPD documents. SPPD and the City of Seattle were identified by Ecology as potentially liable persons for the South Park Landfill Site.

As documented in the *Interim Action Construction Completion Report, South Park Landfill Site, Seattle, Washington* dated August 14, 2015, prepared by Farallon for SPPD, the LFGCCS was installed between June and December 2014 and operation commenced on December 17, 2014. The landfill cap and stormwater control elements of the Interim Action were constructed between April 2014 and April 2015. The LFGCCS was designed to capture landfill gas generated by MSW disposed of at the Interim Action Area.



SUMMARY OF 2018 OPERATIONS

SEACON, LLC monitored the LFGCCS on behalf of SPPD quarterly in 2018 and system adjustments periodically were made to satisfy compliance monitoring criteria¹ based on methane concentrations in select landfill gas probes around the perimeter of the Interim Action Area (Perimeter Probes) and based on levels of residual nitrogen² in landfill gas collectors.

During 2018, the LFGCCS was operated continuously at a low extraction rate ranging from approximately 31 to 44 standard cubic feet per minute for the whole system. LFGCCS monitoring since system start-up indicates that residual nitrogen tends to rise in landfill gas collectors when the LFGCCS extraction rate is high, and methane concentrations tend to rise in Perimeter Probes when the LFGCCS extraction rate is low. Horizontal and vertical landfill gas collector extraction flow rates were adjusted periodically to control methane at the Perimeter Probes without over-extraction of landfill gas and to achieve compliance monitoring criteria.

Per the IACMP and the OMMP, compliance landfill gas monitoring includes sampling landfill gas in a subset of 20 landfill gas Perimeter Probes in and outside the perimeter of the Interim Action Area along 5th Avenue South, South Sullivan Street, and Occidental Avenue South; and along the northern boundary of the Interim Action Area. The locations of the Perimeter Probes were selected based on their spatial distribution around the Interim Action Area and presence in, or within approximately 200 feet of, the Interim Action Area. Per the OMMP, 11 of the 20 Perimeter Probes were identified as Compliance Probes. Nine of the 20 Perimeter Probes were completed in MSW, and landfill gas monitoring at these Perimeter Probes is useful for measuring conditions in the areas of MSW and for evaluating adjustments of the LFGCCS; however, these Perimeter Probes are not considered to be Compliance Probes. Locations of Perimeter Probes, LFGCCS collectors, and the boundary of the South Park Landfill are shown on Figure 2. Landfill gas probe sampling methodology is described in the IACMP and OMMP. Perimeter Probe methane monitoring data collected to date are presented on Figure 3 and in Table 1.

The LFGCCS currently is being operated to focus on methane control in areas where landfill gas is most likely to migrate beyond the Interim Action Area and to areas outside the South Park Landfill. Methane concentrations in Compliance Probes along Occidental Avenue South, South Sullivan Street, and 5th Avenue South, outside the Interim Action Area and the South Park Landfill Site, are low or non-detect and do not exceed the compliance monitoring criterion of 1.25 percent. Some Compliance Probes along Occidental Avenue South and South Sullivan Street were unable

¹ IACMP and OMMP compliance monitoring criteria used as triggers for LFGCCS mitigation measures (e.g., LFGCCS adjustments) are: 1) residual nitrogen in landfill gas collectors exceeds 20 percent; and 2) methane exceeds 1.25 percent (25 percent of the lower explosive limit) in perimeter landfill gas monitoring probes at the edge of the Interim Action Area.

² Residual nitrogen level is calculated from measured concentrations of methane, oxygen, and carbon dioxide in landfill gas collectors as follows: Sum concentrations of methane, oxygen, and carbon dioxide. Subtract this sum from 100 to obtain an estimate of total percent nitrogen concentration. Multiply the measured oxygen concentration by 3.76 to estimate the amount of nitrogen associated with oxygen, and subtract the product from the estimated total percent nitrogen concentration.



to be monitored because well screens were flooded by high groundwater levels preventing extraction of soil gas from the Compliance Probes.

Methane concentrations in Compliance Probes indicate that the LFGCCS is achieving methane control at less than the lower explosive limit at the edge of the MSW. The LFGCCS is achieving the compliance monitoring criterion for methane by maintaining methane concentrations less than 1.25 percent in Compliance Probes.

Methane concentrations in Perimeter Probe GP-17 installed on the western side of 5th Avenue South exceeded the lower explosive limit during the May, September, and December 2018 monitoring events. Methane concentrations in Perimeter Probes GP-19 and GP-20 installed along the northern boundary of the Interim Action Area exceeded the lower explosive limit during the December 2018 monitoring event. Methane concentrations in Perimeter Probe GP-22 installed on the northern boundary of the Interim Action Area exceeded the lower explosive limit during the May 2018 monitoring event. Perimeter Probe GP-21 during the September and December 2018 monitoring events and Perimeter Probe GP-22 during the December 2018 monitoring event were not monitored due to assess restrictions. Perimeter Probes GP-17 and GP-19 through GP-22 were completed in MSW, and are not indicators of potential migration of methane beyond the Interim Action Area and to areas outside the South Park Landfill. LFGCCS operational data indicate that methane is being captured in these areas. Because Perimeter Probes are completed in MSW within the South Park Landfill, the existing conditions are considered acceptable at this time. Perimeter Probes will continue to be monitored and results shared with other potentially liable persons, and will be included in future annual LFGCCS progress reporting.

PLANNED 2019 OPERATIONS

During 2019, the LFGCCS will be monitored quarterly and operated to maintain compliance with compliance monitoring criteria, with a continued focus on maximizing methane control along the Interim Action Area, and on lowering levels of residual nitrogen in the Interim Action Area. If residual nitrogen levels can be managed effectively within the Interim Action Area, the LFGCCS will be adjusted in 2019 to reduce methane concentrations in Perimeter Probes constructed in MSW within the Interim Action Area. Methane concentrations along the northern portion of the Interim Action Area and in the South Park Landfill may be further reduced in the future when landfill gas control systems are installed on adjacent properties to collect and control methane generated outside the Interim Action Area.

LFGCCS operation, monitoring, and repairs and compliance probe monitoring will be documented in the 2019 summary report to be completed in the first quarter of 2020.

Attachments: Figure 1, *Vicinity Map*
Figure 2, *Property Map*
Figure 3, *Perimeter Probe Compliance Monitoring Data*
Table 1, *Perimeter Probe Compliance Monitoring Data*

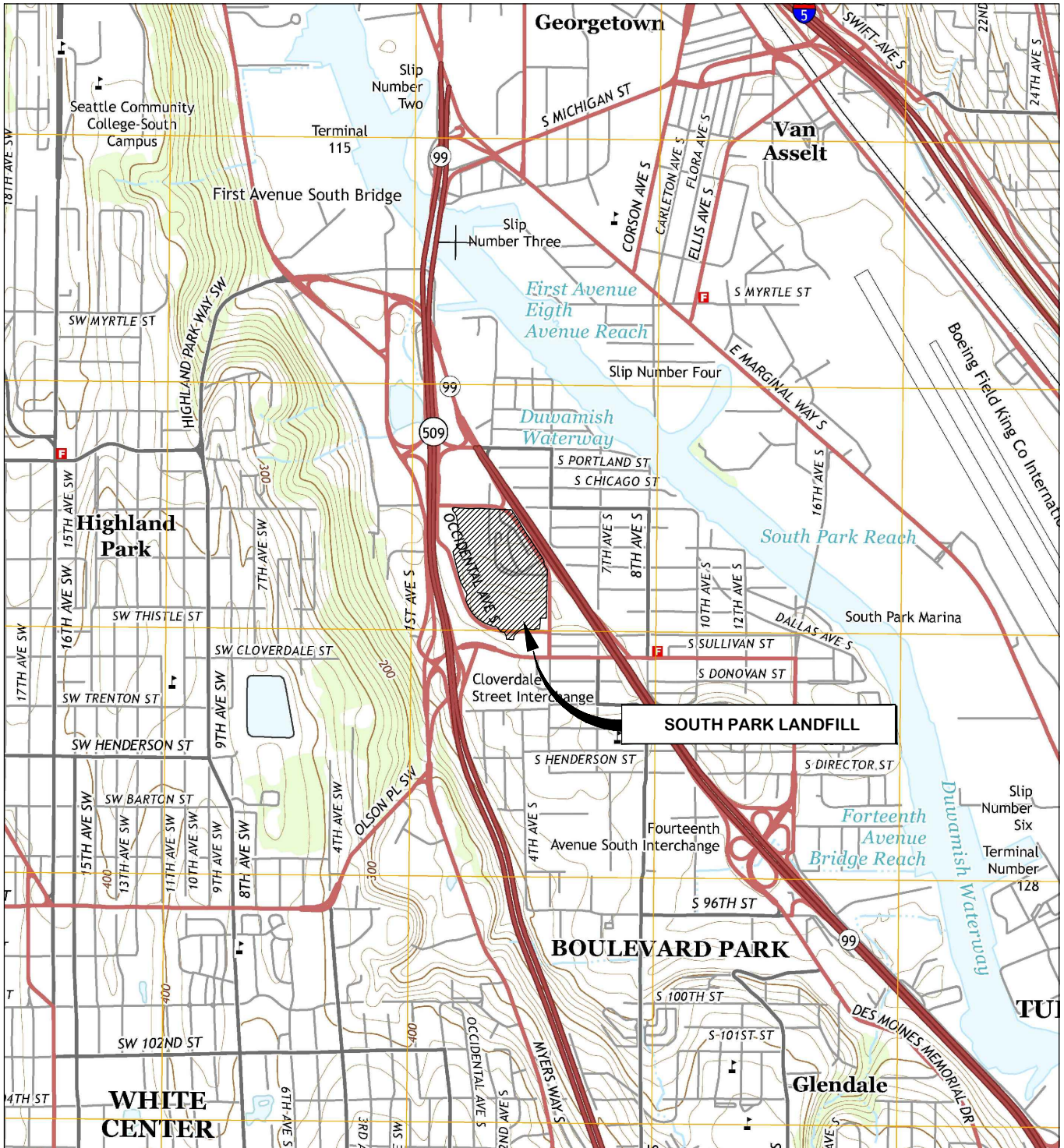
RL:mm

FIGURES

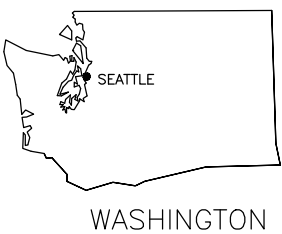
LANDFILL GAS COLLECTION AND CONTROL SYSTEM INTERIM ACTION SUMMARY REPORT—2018

**SPPD Property
South Park Landfill Site
Seattle, Washington**

Farallon PN: 408-002



REFERENCE: 7.5 MINUTE USGS QUADRANGLE SEATTLE SOUTH, WASHINGTON. DATED 2014



Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Folsom | Irvine

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FIGURE 1
VICINITY MAP
SPPD PROPERTY, SOUTH PARK LANDFILL SITE
SEATTLE, WASHINGTON

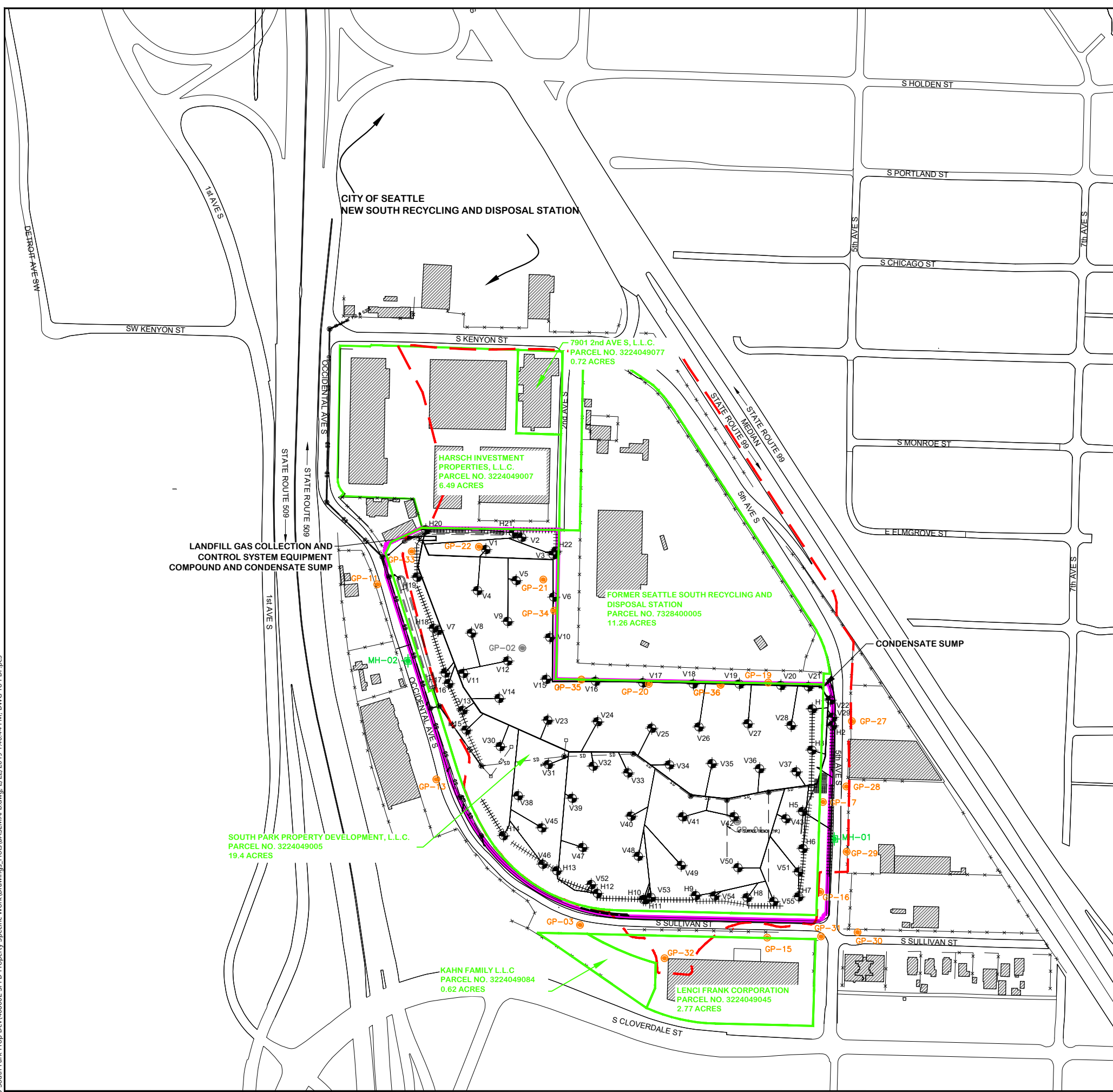
Drawn By: LT

Checked By: TC

Date: 01/04/2019

Disk Reference: BASEMAPb

FARALLON PN: 408-002



LEGEND

- SOUTH PARK LANDFILL BOUNDARY
- KING COUNTY TAX PARCEL BOUNDARY
- INTERIM ACTION AREA
- x--- FENCE
- EXISTING BUILDING
- LANDFILL GAS PROBE MONITORING LOCATIONS
- FORMER LANDFILL GAS PROBE MONITORING LOCATIONS
- GAS PROBE LOCATIONS NOT INCLUDED IN THE INTERIM ACTION COMPLIANCE MONITORING PROGRAM
- SEWER MANHOLE MONITORING LOCATIONS
- LANDFILL GAS COLLECTION VERTICAL WELL
- LANDFILL GAS COLLECTION HORIZONTAL TRENCH

NOTES:

- FIGURE INCLUDES INFORMATION PRESENTED IN COLOR. PHOTOCOPIES MAY NOT DEPICT ALL INTENDED INFORMATION ON THE ORIGINAL DRAWING.
- ALL LOCATIONS ARE APPROXIMATE



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Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Folsom | Irvine

FIGURE 2
PROPERTY MAP
SPPD PROPERTY, SOUTH PARK LANDFILL SITE
SEATTLE, WASHINGTON

P:\408 South Park Prop Dev\408002_SPPD_Property_Specific_Work\Drawings_Plots\BASEMAPb.dwg, 2/22/2019 1:40:44 PM, DWG To PDF.pc3

TABLE

**LANDFILL GAS COLLECTION AND CONTROL SYSTEM
INTERIM ACTION SUMMARY REPORT—2018**

**SPPD Property
South Park Landfill Site
Seattle, Washington**

Farallon PN: 408-002

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
	5/14/1997	-	-	-	8.9	20.0 - 21.3	-	-	-
	5/23/97 11:00	30.54	-	0.0	-	20.9	-	-	-
	6/20/97 10:12	30.65	-	-	-	20.8	-	-	-
	7/21/97 12:20	29.65	-	0.0	-	21.0	-	-	-
	8/18/97 10:45	30.67	-	0.0	-	21.0	-	-	-
	9/8/97 10:05	30.70	-	-	-	-	-	-	-
	10/24/97 6:00	31.08	-	6.0	-	0.0	-	-	-
	11/19/97 8:00	30.15	-	7.0	-	0.0	-	-	-
	12/2/97 12:15	30.50	-	13.0	-	0.0	-	-	-
	1/16/98 8:08	30.15	-	7.0	-	-	-	-	-
	2/19/98 7:40	30.39	-	7.0	-	0.0	-	-	-
	3/17/98 7:43	30.82	-	5.0	-	2.0	-	-	-
	4/14/98 8:30	29.63	-	4.0	-	1.0	-	-	-
	5/19/98 11:43	30.69	-	0.0	-	0.0	-	-	-
	6/4/98 8:18	30.54	-	3.0	-	0.0	-	-	-
	7/27/98 12:47	30.58	-	2.0	-	2.0	-	-	-
	8/4/98 12:14	30.55	-	2.0	-	2.5	-	-	-
	9/17/98 12:45	30.02	-	1.0	-	8.0	-	-	-
	10/5/98 12:50	30.08	-	1.0	-	9.0	-	-	-
	11/6/98 12:40	30.39	-	-	-	5.0	-	-	-
	12/2/98 12:52	30.19	-	3.0	-	0.0	-	-	-
	1/6/99 9:59	29.70	-	6.0	-	0.0	-	-	-
	2/12/99 17:05	-	-	8.9	19.0	14.4	-	-	-
	2/18/99 11:39	30.00	-	6.0	-	0.0	-	-	-
	3/5/99 10:55	31.00	-	9.0	-	0.0	-	-	-
	4/9/99 12:09	30.80	-	4.0	-	0.0	-	-	-
	5/7/99 10:58	30.85	-	6.0	-	0.0	-	-	-
	6/23/99 10:31	30.65	-	-	-	6.0	-	-	-
	7/20/99 9:16	30.50	-	0.0	-	21.0	-	-	-
	8/20/99 10:28	30.65	-	-	-	20.0	-	-	-
	9/29/99 10:18	30.80	-	0.0	-	20.0	-	-	-
	10/15/99 15:10	30.40	-	0.5	18.6	2.1	-	-	-
	10/26/99 16:25	30.01	-	0.0	0.1	21.4	-	-	-
	10/19/99 7:44	30.79	-	0.0	-	21.0	-	-	-
	11/15/99 8:50	30.35	-	0.0	-	21.0	-	-	-
	12/6/99 13:00	30.40	-	0.0	-	21.0	-	-	-
	1/11/00 12:50	30.02	-	-	-	20.0	-	-	-
GP-01	2/3/00 8:18	29.93	-	3.9	15.2	3.7	-	-	-
	2/7/00 10:26	30.42	-	2.0	-	21.0	-	-	-
	3/9/00 12:53	30.49	-	-	-	21.0	-	-	-
	4/7/00 9:53	30.94	-	-	-	20.0	-	-	-
	5/11/00 11:36	30.46	-	0.0	-	21.0	-	-	-
	6/5/00 11:46	30.38	-	0.0	-	21.0	-	-	-
	7/17/00 9:04	30.50	-	0.0	-	21.0	-	-	-
	8/2/00 10:30	30.08	-	0.4	12.6	8.0	-	-	-
	9/5/00 8:25	29.79	-	0.0	13.7	7.1	-	-	-
	10/10/00 9:10	29.35	-	0.2	17.2	2.5	-	-	-
	11/3/00 9:55	29.86	-	0.0	14.7	4.6	-	-	-
	12/6/00 11:27	29.57	-	0.8	16.6	2.1	-	-	-
	1/5/01 9:58	29.13	-	0.9	13.6	5.3	-	-	-
	2/2/01 7:44	29.57	-	2.9	16.7	2.4	-	-	-
	3/2/01 11:15	29.57	-	0.6	12.4	7.0	-	-	-
	4/6/01 9:10	29.13	-	3.0	15.3	4.4	-	-	-
	5/10/01 8:00	-	-	3.0	19.8	2.6	-	-	-
	6/4/01 9:26	29.98	-	1.1	13.9	6.0	-	-	-
	7/6/01 9:45	30.10	-	0.3	13.6	6.3	-	-	-
	8/3/01 9:35	29.94	-	0.3	12.1	8.7	-	-	-
	9/7/01 9:10	30.25	-	0.0	13.7	6.1	-	-	-
	10/8/01 7:30	-	-	0.1	16.8	4.2	-	-	-
	11/5/01 7:37	-	-	0.0	17.8	2.1	-	-	-
	12/7/01 8:45	30.40	-	2.8	18.7	0.9	-	-	-
	1/11/02 13:40	-	-	2.3	14.0	3.8	-	-	-
	2/8/02 13:35	-	-	1.7	13.0	7.8	-	-	-
	3/8/02 9:35	-	-	0.7	15.9	4.7	-	-	-
	4/4/02 9:10	-	-	1.8	15.9	4.1	-	-	-
	5/6/02 13:30	30.20	-	2.1	14.0	3.9	-	-	-
	6/4/02 8:20	-	-	1.4	13.8	5.6	-	-	-
	7/3/02 13:33	-	-	0.6	14.3	5.2	-	-	-
	8/2/02 13:20	-	-	0.2	12.9	6.2	-	-	-
	9/5/02 8:49	-	-	0.0	13.2	6.0	-	-	-
	10/2/02 12:12	-	-	0.1	13.0	6.8	-	-	-
	11/6/02 13:15	-	-	0.0	14.8	5.5	-	-	-
	12/9/02 14:02	-	-	0.1	16.2	4.7	-	-	-
	1/3/03 12:50	30.07	-	0.8	15.7	3.8	-	-	-
	2/5/03 13:30	-	-	3.3	17.2	1.7	-	-	-

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Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)			
GP-01	3/7/03 12:30	29.77	-	2.6	15.3	4.6	-	-	-
	4/1/03 11:51	29.63	-	1.3	11.9	5.8	-	-	-
	5/5/03 12:10	30.05	-	1.0	12.0	7.2	-	-	-
	6/3/03 11:25	30.17	-	0.7	13.3	6.0	-	-	-
	7/2/03 11:32	30.14	-	0.3	14.4	6.3	-	-	-
	8/5/03 11:03	29.24	-	0.1	13.6	5.8	-	-	-
	9/3/03 11:01	29.98	-	0.2	13.4	7.2	-	-	-
	10/2/03 12:10	30.08	-	0.3	14.2	6.3	-	-	-
	11/5/03 13:45	30.20	-	0.0	19.3	1.8	-	-	-
	12/4/03 12:30	29.76	-	1.8	18.6	2.0	-	-	-
	1/14/04 9:55	30.03	-	1.7	16.3	3.0	-	-	-
	2/2/04 11:46	29.96	-	6.7	19.1	1.6	-	-	-
	3/2/04 9:30	30.23	-	0.6	11.4	8.0	-	-	-
	4/5/04 12:40	30.10	-	0.9	8.9	11.8	-	-	-
	5/3/04 10:45	30.13	-	0.4	11.8	8.4	-	-	-
	6/2/04 10:50	30.09	-	0.2	10.8	9.3	-	-	-
	7/6/04 12:15	30.10	-	0.0	10.7	9.1	-	-	-
8/6/04 10:05	29.87	-	0.1	11.4	8.6	-	-	-	
9/10/04 8:44	30.00	-	0.2	13.8	6.9	-	-	-	
2/9/11 8:57	30.46	-	-	10.9	22.3	0.0	-	-	
GP-02	5/14/97 to 9/10/04	-	-	0.0	0.7	0.0	-	-	-
	5/14/97 to 9/10/04	-	-	25.0	16.0	21.0	-	-	-
	5/14/97 0:00	-	-	-	0.9	13.3	-	-	107.2
	5/23/97 11:15	30.54	-	7.0	-	0.0	-	-	-
	6/20/97 10:25	30.65	-	-	-	20.8	-	-	0.0
	7/21/97 0:00	29.65	-	0.0	-	21.0	-	-	-
	8/18/97 11:02	30.67	-	0.0	-	21.0	-	-	-
	9/8/97 10:15	30.70	-	-	-	-	-	-	61.0
	10/24/97 6:00	31.08	-	14.0	-	0.0	-	-	-
	11/19/97 7:50	30.15	-	18.0	-	0.0	-	-	-
	12/2/97 12:02	30.50	-	25.0	-	0.0	-	-	-
	1/16/98 8:20	30.15	-	16.0	-	-	-	-	-
	2/19/98 7:52	30.40	-	15.0	-	0.0	-	-	-
	3/17/98 7:59	30.88	-	12.0	-	1.0	-	-	-
	4/14/98 8:30	29.63	-	11.0	-	1.0	-	-	-
	5/19/98 11:20	30.64	-	15.0	-	0.0	-	-	-
	6/4/98 8:44	30.52	-	6.0	-	1.0	-	-	-
	7/27/98 12:22	30.57	-	2.4	-	2.5	-	-	-
	8/4/98 12:39	30.58	-	2.5	-	2.5	-	-	-
	9/17/98 12:18	30.03	-	1.4	-	3.0	-	-	-
	10/5/98 12:25	30.08	-	1.6	-	2.5	-	-	-
	11/6/98 1:00	30.39	-	-	-	2.0	-	-	4.0
	12/2/98 1:00	30.19	-	-	-	0.0	-	-	4.0
	1/6/99 10:16	29.70	-	18.0	-	0.0	-	-	-
	3/5/99 11:06	29.95	-	15.0	-	0.0	-	-	-
	4/9/99 11:59	30.80	-	12.0	-	0.0	-	-	-
	5/7/99 10:51	30.85	-	-	-	-	-	-	-
	6/23/99 10:18	30.65	-	5.0	-	0.0	-	-	-
	7/20/99 9:02	30.50	-	4.0	-	0.0	-	-	-
	8/20/99 10:20	30.65	-	3.0	-	0.0	-	-	-
	9/29/99 10:28	30.80	-	3.0	-	0.0	-	-	-
	10/15/99 14:45	30.40	-	2.2	13.1	2.5	-	-	96.0
	10/28/99 16:48	29.13	-	0.2	0.7	20.3	-	-	4.0
	10/19/99 7:22	30.79	-	3.0	-	0.0	-	-	-
	11/15/99 9:37	30.35	-	3.0	-	0.0	-	-	-
	12/6/99 12:00	30.40	-	7.0	-	0.0	-	-	-
	1/11/00 12:34	30.02	-	9.0	-	0.0	-	-	-
	2/3/00 9:22	29.79	-	15.2	12.6	0.0	-	-	304.0
	2/7/00 9:59	30.42	-	10.0	-	0.0	-	-	-
	3/9/00 12:36	30.49	-	10.0	-	0.0	-	-	-
	4/7/00 9:32	30.94	-	10.0	-	0.0	-	-	-
	5/11/00 11:31	30.46	-	7.0	-	0.0	-	-	-
6/5/00 11:15	30.38	-	3.0	-	0.0	-	-	-	
7/17/00 8:20	30.50	-	1.0	-	4.0	-	-	-	
8/2/00 11:04	29.71	-	2.2	12.8	1.3	-	-	-	
9/5/00 10:05	29.93	-	3.0	14.4	0.4	-	-	-	
10/10/00 8:20	29.49	-	3.0	14.1	0.9	-	-	-	
11/3/00 13:22	29.71	-	5.3	14.0	0.1	-	-	-	
12/6/00 14:25	29.71	-	10.9	15.2	0.0	-	-	-	
1/5/01 13:30	29.79	-	12.0	14.2	0.0	-	-	-	
2/2/01 10:05	29.49	-	13.7	14.5	0.0	-	-	-	
3/2/01 13:40	29.42	-	-	12.8	13.5	0.0	-	-	

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
GP-02	4/6/01 12:35	29.49	-	11.0	12.5	0.2	-	-	-
	5/10/01 11:20	-	-	13.0	14.5	0.0	-	-	-
	6/4/01 12:15	29.98	-	6.7	10.6	0.0	-	-	-
	7/6/01 12:10	30.10	-	4.0	12.7	0.0	-	-	-
	8/3/01 11:30	29.94	-	2.1	12.8	1.6	-	-	-
	9/7/01 11:40	30.25	-	2.3	11.1	3.3	-	-	-
	10/8/01 10:30	-	-	3.8	13.7	0.2	-	-	-
	12/7/01 11:40	30.40	-	15.3	15.4	0.0	-	-	-
	1/11/02 15:45	-	-	15.7	13.1	0.0	-	-	-
	2/8/02 16:00	-	-	15.8	15.0	0.0	-	-	-
	3/8/02 11:54	-	-	13.4	14.9	0.1	-	-	-
	4/4/02 11:41	-	-	11.5	13.3	0.1	-	-	-
	5/6/02 16:05	30.20	-	12.6	12.8	0.0	-	-	-
	6/4/02 10:48	-	-	5.7	11.9	0.0	-	-	-
	7/3/02 15:45	-	-	2.2	11.8	9.0	-	-	-
	8/2/02 11:45	-	-	3.0	13.1	0.0	-	-	-
	9/5/02 11:03	-	-	1.9	12.3	3.2	-	-	-
	10/2/02 15:40	-	-	2.2	13.1	2.5	-	-	-
	11/6/02 13:40	-	-	3.0	14.1	0.7	-	-	-
	12/9/02 16:20	-	-	8.4	14.7	0.0	-	-	-
	1/7/03 14:25	30.17	-	12.0	14.4	0.0	-	-	-
	2/5/03 15:30	30.30	-	9.5	11.1	5.8	-	-	-
	3/7/03 14:35	29.70	-	12.5	14.8	0.0	-	-	-
	4/1/03 13:47	-	-	12.5	13.2	0.0	-	-	-
	5/5/03 14:55	30.07	-	10.6	13.1	0.0	-	-	-
	6/3/03 14:25	30.22	-	3.1	10.0	4.0	-	-	-
	7/2/03 14:25	30.16	-	1.4	10.2	5.9	-	-	-
	8/5/03 14:10	30.00	-	2.4	13.5	1.2	-	-	-
	9/3/03 14:10	30.01	-	1.0	11.1	6.2	-	-	-
	10/2/03 14:45	30.03	-	3.6	14.8	1.0	-	-	-
	11/5/03 16:21	30.15	-	9.8	15.9	0.0	-	-	-
	12/4/03 14:36	29.65	-	13.3	16.3	0.0	-	-	-
1/14/04 14:25	29.94	-	13.8	16.2	0.0	-	-	-	
2/6/04 14:15	29.98	-	13.8	15.6	0.0	-	-	-	
3/2/04 11:45	30.22	-	12.1	14.7	0.0	-	-	-	
4/5/04 15:25	30.10	-	10.0	13.5	0.1	-	-	-	
5/3/04 2:55	30.14	-	4.9	12.1	0.8	-	-	-	
6/1/04 13:25	30.12	-	3.3	12.3	0.8	-	-	-	
7/6/04 15:08	30.07	-	1.9	13.5	1.6	-	-	-	
8/6/04 13:15	29.84	-	2.3	14.4	0.9	-	-	-	
9/10/04 11:14	29.95	-	3.7	15.6	0.7	-	-	-	
2/9/11 10:15	30.44	-0.04	20.7	15.5	0.0	-	-	-	
5/22/13 14:12	29.81	-0.005	16.5	13.8	0.0	-	98.0	-	
6/19/13 10:15	29.79	0	14.8	15.2	0.0	69.9	0.0	-	
GP-03	12/16/98 to 9/10/04	-	-	0.0	0.0	0.0	-	-	-
	12/16/98 to 9/10/04	-	-	5.0	16.0	22.0	-	-	-
	12/16/98 16:22	-	-	0.0	5.1	11.4	-	-	-
	12/29/98 14:00	-	-	0.0	0.0	10.6	-	-	0.0
	1/7/99 8:54	30.08	-	0.0	4.5	12.1	-	-	0.0
	2/12/99 17:15	-	-	0.0	0.8	18.2	-	-	0.0
	2/18/99 11:45	30.00	-	1.0	-	6.0	-	-	-
	3/5/99 11:13	29.95	-	0.0	-	8.0	-	-	-
4/9/99 12:15	30.85	-	5.0	-	6.0	-	-	-	

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)	
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)				
GP-03	5/7/99 11:03	30.85	-	0.0	-	3.0	-	-	-	
	6/23/99 10:37	30.65	-	2.0	-	0.0	-	-	-	
	7/20/99 9:23	30.50	-	2.0	-	0.0	-	-	-	
	8/20/99 10:39	30.65	-	0.0	-	0.0	-	-	-	
	9/29/99 10:35	30.80	-	0.0	-	5.0	-	-	-	
	10/15/99 12:10	30.50	-	0.1	12.4	8.1	-	-	2.0	
	10/26/99 13:30	30.01	-	0.0	0.1	21.8	-	-	0.0	
	10/19/99 8:01	30.79	-	0.0	-	9.0	-	-	-	
	11/15/99 8:10	30.35	-	0.0	-	7.0	-	-	-	
	12/6/99 12:27	30.40	-	0.0	-	4.0	-	-	-	
	1/11/00 11:43	30.02	-	0.0	-	7.0	-	-	-	
	2/3/00 9:05	29.71	-	0.0	8.0	9.3	-	-	0.0	
	2/7/00 8:46	30.42	-	0.0	-	10.0	-	-	-	
	3/9/00 11:32	30.49	-	0.0	-	12.0	-	-	-	
	4/7/00 8:43	30.94	-	0.0	-	10.0	-	-	-	
	5/11/00 10:23	30.46	-	0.0	-	8.0	-	-	-	
	6/5/00 10:20	30.38	-	0.0	-	7.0	-	-	-	
	7/17/00 9:19	30.50	-	0.0	-	7.0	-	-	-	
	8/2/00 8:15	29.71	-	0.0	13.2	8.1	-	-	0.0	
	9/5/00 9:15	29.79	-	0.0	12.1	9.7	-	-	-	
	10/10/00 9:50	29.49	-	0.0	8.1	13.4	-	-	-	
	11/3/00 11:00	29.86	-	0.0	12.0	4.3	-	-	-	
	12/6/00 12:38	29.35	-	2.2	10.6	2.9	-	-	-	
	1/5/01 11:22	29.79	-	0.1	9.6	3.5	-	-	-	
	2/2/01 9:07	29.49	-	0.0	9.2	5.7	-	-	-	
	3/2/01 12:40	29.57	-	0.0	7.8	7.1	-	-	-	
	4/6/01 11:10	29.42	-	0.0	8.8	5.5	-	-	-	
	5/10/01 10:05	-	-	-	0.1	11.6	1.4	-	-	-
	6/4/01 10:57	29.98	-	0.2	10.6	3.9	-	-	-	
	7/6/01 11:00	30.10	-	0.4	12.1	3.2	-	-	-	
	8/3/01 10:48	29.94	-	0.0	11.8	11.8	-	-	-	
	9/7/01 10:37	-	-	-	-	-	-	-	-	
	10/8/01 9:15	-	-	-	-	-	-	-	-	
	12/7/01 10:28	30.40	-	0.0	8.5	6.7	-	-	-	
	2/8/02 14:40	-	-	-	0.0	5.8	7.2	-	-	-
	3/8/02 10:37	-	-	-	0.0	5.8	8.5	-	-	-
	4/4/02 10:25	-	-	-	0.0	0.4	17.7	-	-	-
	5/6/02 15:05	30.20	-	0.0	7.5	5.1	-	-	-	
	6/4/02 9:35	-	-	-	0.3	8.4	5.1	-	-	-
	7/3/02 14:35	-	-	-	0.2	10.8	3.7	-	-	-
8/2/02 14:20	-	-	-	0.0	12.6	3.2	-	-	-	
9/5/02 10:02	-	-	-	0.1	13.0	5.7	-	-	-	
10/2/02 14:40	-	-	-	0.1	10.6	8.3	-	-	-	
11/6/02 14:35	-	-	-	0.0	11.7	6.3	-	-	-	
12/9/02 15:05	-	-	-	0.4	12.0	4.2	-	-	-	
1/7/03 13:22	-	-	-	0.0	7.9	7.2	-	-	-	
2/5/03 14:20	30.30	-	0.0	6.7	7.4	-	-	-		
3/7/03 13:30	29.74	-	0.1	6.9	6.3	-	-	-		
4/1/03 12:40	29.65	-	0.0	6.4	7.6	-	-	-		
5/5/03 13:50	30.09	-	0.1	7.7	6.3	-	-	-		
6/3/03 13:07	30.21	-	0.3	9.9	6.7	-	-	-		
7/2/03 13:20	30.15	-	0.2	11.3	5.6	-	-	-		
8/5/03 13:00	30.00	-	0.1	13.1	6.8	-	-	-		
9/3/03 13:00	30.00	-	0.1	13.2	5.5	-	-	-		

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Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)			
GP-03	10/2/03 13:40	30.04	-	0.3	13.8	6.8	-	-	-
	11/5/03 15:17	30.17	-	0.4	11.2	4.7	-	-	-
	12/4/03 13:32	29.67	-	0.0	8.7	5.9	-	-	-
	1/14/04 11:11	30.01	-	0.0	6.6	6.8	-	-	-
	2/3/04 12:05	29.80	-	0.0	6.1	8.6	-	-	-
	3/2/04 10:40	30.23	-	0.0	6.1	8.3	-	-	-
	4/5/04 14:30	30.10	-	0.0	7.1	8.0	-	-	-
	5/3/04 11:55	30.14	-	0.2	8.7	7.2	-	-	-
	6/1/04 12:17	30.11	-	0.2	10.2	4.7	-	-	-
	7/6/04 13:35	29.00	-	0.0	11.7	5.6	-	-	-
	8/6/04 11:48	29.88	-	0.1	13.5	5.7	-	-	-
	9/10/04 10:13	29.96	-	1.2	15.5	1.9	-	-	-
	12/28/11 0:00	29.66	-0.2	0.0	1.0	2.2	-	-	-
	2/9/11 13:30	30.41	-	0.2	5.8	9.5	-	-	-
	5/25/11 0:00	29.69	-0.01	0.1	3.5	14.9	-	-	-
	9/23/11 0:00	29.86	0.14	0.0	11.0	6.4	83.0	0.0	2.0
	5/22/13 18:04	29.8	0	0.1	6.7	10.3	82.0	-	29.0
	9/2/14 16:30	29.63	-	1.7	10.7	4.6	-	-	-
	12/17/15 11:55	29.7	0	0.0	7.0	4.0	88.9	0.0	0.0
	3/18/16 10:40	29.91	0.000	0.0	3.4	14.2	82.4	0.0	-
	6/13/16 16:25	29.91	0	0.1	7.0	14.4	77.1	0.0	2.0
	9/26/16 15:40	29.83	0.005	0.0	5.8	12.6	81.4	0.0	0.0
	12/8/16 15:00	29.94	0	0.1	8.5	9.4	81.5	0.0	2.0
	3/21/17 10:43	29.51	0.000	0.0	3.7	15.2	80.9	-	-
	6/2/17 8:26	30.02	0.411	0.0	7.0	11.7	81.2	0.0	0.0
	9/6/17 12:25	29.77	-0.033	0.0	0.4	17.5	76.4	-	-
	10/19/17 16:09	-	-	-	-	-	-	-	-
	3/9/18 8:54	29.96	-	0.0	0.0	3.8	14.9	81.1	-
5/21/18 13:39	30	0.0	0.0	0.0	6.1	12.5	81.3	-	
9/12/18 12:51	29.83	0.0	0.0	0.0	9.0	11.5	79.8	-	
12/26/18 8:58	-	-	-	0.0	6.6	9.4	84.1	-	
GP-09	3/18/16 16:15	29.84	0	0.0	4.0	15.0	81.0	-	
GP-11	10/15/99 to 9/10/04	-	-	0.0	0.1	4.4	-	-	-
	10/15/99 to 9/10/04	-	-	0.4	8.0	21.0	-	-	-
	10/15/99 12:23	30.40	-	0.1	1.3	17.5	-	-	2.0
	10/26/99 11:20	30.01	-	0.2	0.1	20.7	-	-	4.0
	11/15/99 7:55	30.35	-	0.0	-	12.0	-	-	-
	12/6/99 12:15	30.40	-	0.0	-	10.0	-	-	-
	1/11/00 11:35	30.02	-	0.0	-	6.0	-	-	-
	2/3/00 9:16	29.71	-	0.0	3.7	6.7	-	-	0.0
	2/7/00 8:36	30.42	-	0.0	-	6.0	-	-	-
	3/9/00 11:25	30.49	-	0.0	-	6.0	-	-	-
	4/7/00 8:35	30.94	-	0.0	-	7.0	-	-	-
	5/11/00 10:15	30.46	-	0.0	-	7.0	-	-	-
	6/5/00 10:09	30.38	-	0.0	-	9.0	-	-	-
	7/17/00 9:24	30.50	-	0.0	-	7.0	-	-	-
	8/3/00 8:35	29.35	-	0.0	6.6	6.9	-	-	-
	9/5/00 9:35	29.64	-	0.0	7.7	4.4	-	-	-
	10/10/00 10:03	29.20	-	0.0	7.8	4.8	-	-	-
	11/3/00 11:16	29.79	-	0.0	7.4	5.6	-	-	-
	12/6/00 12:55	29.79	-	0.0	6.7	6.6	-	-	-
	1/5/01 11:47	29.49	-	0.0	6.4	7.1	-	-	-
	2/2/01 9:21	29.64	-	0.0	6.1	8.7	-	-	-
	3/2/01 12:55	29.35	-	0.0	5.6	9.8	-	-	-
	4/6/01 11:35	29.20	-	0.0	5.5	10.4	-	-	-
	5/10/01 10:25	-	-	0.0	6.0	8.0	-	-	-
	6/4/01 11:15	29.98	-	0.0	5.4	9.5	-	-	-
	7/6/01 11:20	30.10	-	0.0	6.6	8.1	-	-	-
	8/3/01 11:17	29.94	-	0.0	7.1	7.0	-	-	-
	9/7/01 10:52	30.25	-	0.0	7.1	4.7	-	-	-
10/8/01 9:40	-	-	0.0	7.9	5.6	-	-	-	
11/5/01 9:50	-	-	0.0	8.3	5.6	-	-	-	
12/7/01 10:50	30.40	-	0.0	7.0	5.6	-	-	-	
1/11/02 15:05	-	-	0.0	3.7	6.6	-	-	-	
3/8/02 10:05	-	-	0.0	3.5	10.4	-	-	-	
5/6/02 15:20	30.20	-	0.0	3.2	10.0	-	-	-	
6/4/02 9:55	-	-	0.0	3.5	10.4	-	-	-	

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Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)	
				CH ₄	CO ₂	O ₂				
				(% Volume)	(% Volume)	(% Volume)				
GP-11	7/3/02 14:55	-	-	0.0	4.4	9.1	-	-	-	
	8/2/02 14:30	-	-	0.0	4.8	6.8	-	-	-	
	9/5/02 10:20	-	-	0.1	5.8	5.9	-	-	-	
	10/2/02 14:55	-	-	0.1	6.3	6.1	-	-	-	
	11/6/02 14:50	-	-	0.0	6.9	7.4	-	-	-	
	12/9/02 15:22	-	-	0.1	6.4	7.4	-	-	-	
	1/7/03 13:35	-	-	0.0	5.4	8.1	-	-	-	
	2/5/03 14:40	-	-	0.0	4.9	8.6	-	-	-	
	3/7/03 13:45	29.72	-	0.1	4.7	10.1	-	-	-	
	4/1/03 12:55	-	-	0.0	3.7	14.4	-	-	-	
	5/5/03 14:10	30.08	-	0.1	3.6	14.4	-	-	-	
	6/3/03 13:27	30.21	-	0.1	4.0	12.6	-	-	-	
	7/2/03 13:40	30.15	-	0.1	4.6	11.1	-	-	-	
	8/5/03 13:17	30.01	-	0.1	5.8	8.0	-	-	-	
	9/3/03 13:20	30.02	-	0.1	6.3	6.5	-	-	-	
	10/2/03 14:00	30.05	-	0.3	7.3	6.3	-	-	-	
	11/5/03 15:35	30.17	-	0.4	6.8	6.2	-	-	-	
	12/4/03 13:50	29.67	-	0.0	5.9	8.9	-	-	-	
	1/14/04 13:35	29.90	-	0.0	5.2	8.8	-	-	-	
	2/3/04 12:20	29.77	-	0.0	3.3	12.9	-	-	-	
	3/2/04 10:55	30.22	-	0.0	4.3	10.4	-	-	-	
	4/5/04 14:51	30.10	-	0.0	4.1	11.5	-	-	-	
	5/3/04 12:11	30.15	-	0.2	4.2	12.0	-	-	-	
	6/1/04 12:35	30.15	-	0.2	4.5	12.1	-	-	-	
	7/6/04 14:00	30.09	-	0.1	5.2	10.9	-	-	-	
	8/6/04 12:10	29.85	-	0.0	6.2	8.7	-	-	-	
	9/10/04 10:31	29.96	-	0.1	6.5	7.4	-	-	-	
	2/9/11 14:22	30.34	-	0.0	3.8	10.5	-	-	-	
	5/25/11 0:00	29.68	-0.08	0.1	0.1	20.0	-	-	-	
	9/23/11 0:00	29.88	0.17	0.0	4.9	9.3	-	-	-	
	12/28/11 0:00	29.70	-0.18	0.0	4.7	4.9	-	-	-	
	5/22/13 17:33	29.8	0	0.1	3.3	14.0	82.5	33.0	2.0	
	6/25/14 16:00	29.75	0	0.0	0.9	19.2	79.9	33.0	0.0	
	10/13/14 17:25	29.54	2.6	0.0	4.0	13.1	80.3	-	0.0	
	2/26/15 10:10	30.1	-0.025	0.0	0.5	20.9	-	-	-	
	5/12/15 13:45	29.63	-	-	-	-	Flooded Well Screen			
	12/17/15 0:00	29.69	-	-	-	-	Flooded Well Screen			
	3/18/16 10:29	29.89	-	-	-	-	Flooded Well Screen			
	4/13/16 12:50	30.01	-	-	-	-	Flooded Well Screen			
	6/13/16 16:35	29.91	-	-	-	-	Flooded Well Screen			
9/26/16 15:59	29.83	0	0	0	21.2	78.8	0.0	0.0		
12/8/16 14:55	29.94	-0.012	0.2	1	21.5	77.3	1.0	3.0		
3/21/17 11:15	29.51	0.022	0	0.3	21.6	78.0	-	-		
6/2/17 7:10	30.02	-0.808	0	0.3	21.9	77.8	0.0	0.0		
9/6/17 12:02	29.77	-1.168	0	0.5	20.2	79.2	-	-		
10/19/17 15:45	29.77	-1.168	-	-	-	Flooded Well Screen				
3/9/18 7:40	29.92	0.000	0	0.4	19.5	80.0	-	-		
5/21/18 14:06	29.92	0.000	0	0.4	20.4	79.2	-	-		
9/13/18 10:04	29.96	-0.5	0	0.2	21.1	78.7	-	-		
12/26/18 8:40	30.05	-	0	0	21.1	79.5	-	-		
GP-13	10/15/99 to 9/10/04	-	-	0.0	0.1	0.1	-	-	-	
	10/15/99 to 9/10/04	-	-	0.3	14.0	22.0	-	-	-	
	10/15/99 12:16	30.40	-	0.2	4.7	16.0	-	-	4.0	
	10/26/99 13:00	30.01	-	0.0	0.1	22.0	-	-	0.0	
	11/15/99 8:03	30.35	-	0.0	-	18.0	-	-	-	
	12/6/99 12:19	30.40	-	0.0	-	18.0	-	-	-	
	1/11/00 11:39	30.02	-	0.0	-	17.0	-	-	-	
	2/7/00 8:40	30.42	-	0.0	-	18.0	-	-	-	
	3/9/00 11:29	30.49	-	0.0	-	16.0	-	-	-	
	4/7/00 8:39	30.94	-	0.0	-	11.0	-	-	-	
	5/11/00 10:19	30.46	-	0.0	-	7.0	-	-	-	
	6/5/00 10:13	30.38	-	0.0	-	7.0	-	-	-	
	7/17/00 9:21	30.50	-	0.0	-	11.0	-	-	-	
	8/3/00 7:44	29.42	-	0.0	9.4	12.3	-	-	0.0	
	9/5/00 9:25	29.71	-	0.0	10.4	10.1	-	-	-	
	10/10/00 9:58	29.20	-	0.0	8.1	14.6	-	-	-	
11/3/00 11:07	29.49	-	0.0	8.4	9.3	-	-	-		
12/6/00 12:43	29.86	-	0.0	8.6	6.7	-	-	-		
1/5/01 11:30	29.86	-	0.0	7.8	7.0	-	-	-		

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)	
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)				
GP-13	2/2/01 9:14	29.57	-	0.0	7.0	9.4	-	-	-	
	3/2/01 12:45	29.49	-	0.0	5.6	10.6	-	-	-	
	4/6/01 11:20	29.42	-	0.0	7.5	6.2	-	-	-	
	5/10/01 10:10	-	-	0.0	9.9	2.1	-	-	-	
	6/4/01 11:04	29.98	-	0.0	9.7	7.2	-	-	-	
	7/6/01 11:12	30.10	-	0.0	10.8	10.7	-	-	-	
	8/3/01 10:58	29.94	-	0.0	10.6	7.6	-	-	-	
	9/7/01 10:43	30.25	-	0.0	11.3	9.1	-	-	-	
	10/8/01 9:30	-	-	0.0	9.7	12.3	-	-	-	
	11/5/01 9:40	-	-	0.0	9.2	9.5	-	-	-	
	12/7/01 10:38	30.40	-	0.0	7.0	3.5	-	-	-	
	6/4/02 9:45	-	-	0.0	8.5	4.4	-	-	-	
	7/3/02 14:42	-	-	0.0	10.6	6.2	-	-	-	
	8/2/02 14:25	-	-	0.0	11.4	6.5	-	-	-	
	9/5/02 10:10	-	-	0.0	11.1	10.3	-	-	-	
	10/2/02 14:45	-	-	0.1	9.1	12.5	-	-	-	
	11/6/02 14:40	-	-	0.0	6.7	14.8	-	-	-	
	12/9/02 15:12	-	-	0.1	8.2	10.3	-	-	-	
	5/5/03 13:59	30.09	-	0.1	6.3	3.8	-	-	-	
	6/3/03 13:16	30.18	-	0.1	9.1	6.9	-	-	-	
	7/2/03 13:30	30.15	-	0.1	11.8	7.0	-	-	-	
	8/5/03 13:10	30.00	-	0.1	13.6	7.9	-	-	-	
	9/3/03 13:10	30.00	-	0.1	11.6	9.3	-	-	-	
	10/2/03 13:45	30.05	-	0.3	10.1	11.5	-	-	-	
	11/5/03 15:25	30.17	-	0.3	9.1	0.9	-	-	-	
	12/4/03 13:39	29.67	-	0.0	6.6	0.1	-	-	-	
	4/5/04 14:40	30.10	-	0.1	4.9	0.2	-	-	-	
	5/3/04 12:05	30.14	-	0.2	6.9	0.5	-	-	-	
	6/1/04 12:25	30.09	-	0.2	8.6	0.8	-	-	-	
	7/6/04 13:45	30.09	-	0.1	11.4	6.1	-	-	-	
	8/6/04 11:58	29.98	-	0.0	12.2	8.4	-	-	-	
	9/10/04 10:23	29.96	-	0.1	13.7	6.9	-	-	-	
	9/23/11 0:00	-	-	0.0	8.0	-	-	-	-	
	5/22/13 17:45	29.8	0.18	0.2	4.7	11.0	84.6	4.0	3.0	
	6/25/14 15:20	29.75	0	0.0	0.3	20.2	79.5	4.0	0.0	
	9/2/14 16:50	29.63	1.8	0.0	1.7	17.8	80.3	-	0.0	
	10/13/14 17:35	29.53	3.6	0.0	6.3	6.8	86.2	-	0.0	
	2/26/15 10:20	30.1	0.08	0.0	2.9	12.0	-	-	-	
	5/12/15 0:00	29.63	-3.178	0.3	5.0	12.9	81.8	-	5.0	
	5/12/15 0:00	29.63	-3.178	0.3	5.0	12.9	81.8	-	5.0	
	12/17/15 0:00	29.7	-	-	-	-	Flooded Well Screen			
	3/18/16 10:37	29.91	-	-	-	-	Flooded Well Screen			
	4/13/16 12:35	30.01	-	-	-	-	Flooded Well Screen			
	6/13/16 16:32	29.91	-	-	-	-	Flooded Well Screen			
	9/26/16 14:48	29.85	0.005	0	0	21.6	78.5	-	-	
12/8/16 14:40	29.94	-	-	-	-	Flooded Well Screen				
3/21/17 11:01	29.51	0.000	0.0	0.4	21.5	78.0	-	-		
6/2/17 7:22	30.02	-3.657	0.0	0.3	21.9	77.8	0.0	0.0		
9/6/17 12:13	29.77	-0.059	0.0	0.5	20.0	79.4	-	-		
10/19/17 16:13	29.40	-0.003	0.0	1.0	20.7	78.3	0.0	0.0		
3/9/18 7:48	29.92	0.011	0.0	0.4	20.4	79.1	-	-		
5/21/18 13:50	29.92	0	0.0	0.4	20.1	79.5	-	-		
9/13/18 12:48	29.83	1.3	0.0	0.4	21.0	78.5	-	-		
12/26/18 8:52	-	-	-	0.0	0.2	20.4	79.3	-	-	
GP-15	5/14/97 to 9/10/04	-	-	0	0	5.5	-	-	-	
	5/14/97 to 9/10/04	-	-	0.2	18	22	-	-	-	
	10/15/99 12:00	30.50	-	0.0	3.3	18.4	-	-	-	
	10/28/99 14:10	29.50	-	0.1	0.0	20.8	-	-	-	
	11/15/99 8:14	30.35	-	0.0	-	19.0	-	-	-	
	12/6/99 12:33	30.40	-	0.0	-	20.0	-	-	-	
	1/11/00 11:48	30.02	-	0.0	-	20.0	-	-	-	
	2/7/00 8:48	30.42	-	0.0	-	21.0	-	-	-	
	3/9/00 11:35	30.49	-	0.0	-	21.0	-	-	-	
	4/7/00 8:50	30.94	-	0.0	-	21.0	-	-	-	
	5/11/00 10:30	30.46	-	0.0	-	21.0	-	-	-	
	6/5/00 10:27	30.38	-	0.0	-	21.0	-	-	-	
	7/17/00 9:14	30.50	-	-	-	18.0	-	-	-	
	8/4/00 8:45	29.64	-	0.0	0.9	21.0	-	-	-	
	9/5/00 8:54	29.86	-	0.0	4.5	18.0	-	-	-	
10/10/00 9:38	29.42	-	-	0.0	6.8	16.0	-	-		

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Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
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Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)			
GP-15	11/3/00 10:50	29.93	-	0.0	1.3	20.2	-	-	-
	12/6/00 12:28	29.49	-	0.0	0.0	22.0	-	-	-
	7/6/01 10:50	30.10	-	0.0	1.3	19.5	-	-	-
	8/3/01 9:58	29.94	-	0.0	5.7	16.7	-	-	-
	9/7/01 10:25	30.10	-	0.0	7.6	14.5	-	-	-
	10/8/01 9:05	29.94	-	0.0	8.6	14.0	-	-	-
	11/5/01 9:10	30.25	-	0.0	6.9	15.4	-	-	-
	8/2/02 14:08	-	-	0.0	4.8	15.7	-	-	-
	9/5/02 9:50	-	-	0.1	10.5	11.4	-	-	-
	10/2/02 14:25	-	-	0.1	11.5	10.5	-	-	-
	11/6/02 14:20	-	-	0.0	9.7	12.0	-	-	-
	12/9/02 14:59	-	-	0.1	0.1	20.5	-	-	-
	6/3/03 12:55	30.21	-	0.1	0.0	20.6	-	-	-
	7/2/03 13:10	30.15	-	0.1	7.5	11.4	-	-	-
	8/5/03 12:55	29.99	-	0.0	14.1	8.1	-	-	-
	9/3/03 12:50	30.01	-	0.0	14.5	7.4	-	-	-
	10/2/03 13:30	30.06	-	0.2	17.5	5.5	-	-	-
	7/6/04 13:19	29.06	-	0.0	4.9	15.0	-	-	-
	8/6/04 11:32	29.88	-	0.1	9.9	10.8	-	-	-
	9/23/2011	29.99	0.28	0.0	11.8	7.7	-	-	-
	11/17/2011	29.61	3.35	0.0	0.2	19.4	-	-	-
	5/22/13 11:15	29.84	2.25	3.6	5.5	12.2	79.7	0.0	66.0
	6/25/14 14:45	29.7	0.00	2.4	3.1	8.5	85.8	0.0	47.0
	9/2/14 14:50	29.65	0.01	0.0	15.9	6.7	77.5	-	0.0
	10/13/2014	29.65	0.077	0.0	13.8	8	78.2	-	0
	11/6/2014	29.93					Flooded Well Screen		
	2/26/2015	29.21					Flooded Well Screen		
	5/12/2015	29.63					Flooded Well Screen		
	12/17/15 0:00	29.7					Flooded Well Screen		
	3/18/16 11:05	29.91					Flooded Well Screen		
	6/13/16 14:10	29.92					Flooded Well Screen		
	9/26/16 14:22	29.85					Flooded Well Screen		
	12/8/16 13:30	29.97					Flooded Well Screen		
3/21/17 2:23	29.76	0.004	0.0	0.0	21.2	78.4	-	-	
6/2/17 13:00	29.97	0.201	0.0	2.6	17.8	79.5	0.0	0.0	
9/6/17 12:58	29.72	-0.155	5.4	22.1	16.2	75.1	-	-	
10/19/17 15:42	29.72	-0.155				Flooded Well Screen			
3/9/18 8:45	29.92	-	0	0.1	17.1	81.1	-	-	
5/21/18 13:12	29.92	0	0	4.1	16.3	80	-	-	
9/13/18 10:27	29.93	-28.3	0	0.4	20.5	78.9	-	-	
12/26/18 9:16	30.5	-	0	8.5	14.5	77.0	-	-	
GP-16	10/15/99 to 9/10/04	-	-	0.0	0.1	0.6	-	-	-
	10/15/99 to 9/10/04	-	-	2.0	23.0	21.0	-	-	-
	10/15/99 11:45	30.50	-	0.0	16.5	6.5	-	-	0.0
	10/28/99 16:10	29.42	-	0.1	0.1	20.6	-	-	2.0
	11/15/99 8:30	30.35	-	0.0	-	20.0	-	-	-
	12/6/99 12:44	30.40	-	0.0	-	3.0	-	-	-
	1/11/00 12:00	30.02	-	0.0	-	20.0	-	-	-
	2/3/00 8:25	29.86	-	0.0	15.2	4.3	-	-	0.0
	2/7/00 9:37	30.42	-	0.0	-	21.0	-	-	-
	3/9/00 11:51	30.49	-	0.0	-	20.0	-	-	-
	4/7/00 9:01	30.94	-	1.0	-	18.0	-	-	-
	5/11/00 10:40	30.46	-	2.0	-	12.0	-	-	-
	6/5/00 9:47	30.38	-	2.0	-	18.0	-	-	-
	7/17/00 9:11	30.50	-	0.0	-	20.0	-	-	-
	8/4/00 8:30	29.71	-	0.0	17.8	2.9	-	-	-
	9/5/00 8:45	30.01	-	0.0	16.7	5.7	-	-	-
	10/10/00 9:27	29.42	-	0.0	19.2	3.1	-	-	-
	11/3/00 11:52	29.93	-	0.0	16.3	5.5	-	-	-
	12/6/00 12:28	29.86	-	0.0	14.6	6.4	-	-	-
	1/5/01 11:01	29.71	-	0.0	16.7	2.3	-	-	-
	2/2/01 8:11	29.64	-	0.0	15.0	4.1	-	-	-
	3/2/01 12:22	29.49	-	0.0	14.1	5.8	-	-	-
	4/6/01 9:50	29.27	-	0.0	16.5	2.8	-	-	-
	5/10/01 9:40	-	-	0.0	22.6	2.6	-	-	-
	6/4/01 10:38	29.98	-	1.2	17.9	3.5	-	-	-
	7/6/01 10:09	30.10	-	0.1	20.4	2.0	-	-	-
	8/3/01 9:20	29.94	-	0.0	15.7	7.0	-	-	-
9/7/01 9:41	30.25	-	0.0	17.7	4.5	-	-	-	

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Seattle, Washington
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Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
GP-16	10/8/01 8:15	-	-	0.0	16.5	6.1	-	-	-
	11/5/01 8:06	-	-	0.0	17.0	5.1	-	-	-
	12/7/01 9:21	30.40	-	0.0	16.1	3.7	-	-	-
	1/11/02 13:55	-	-	0.0	14.1	3.9	-	-	-
	2/8/02 13:50	-	-	0.0	16.3	3.8	-	-	-
	3/8/02 9:52	-	-	0.0	15.2	4.7	-	-	-
	4/4/02 9:25	-	-	0.0	15.3	4.7	-	-	-
	5/6/02 14:10	30.20	-	1.0	16.4	2.6	-	-	-
	6/4/02 8:40	-	-	0.0	15.7	4.5	-	-	-
	7/3/02 13:47	-	-	0.0	21.0	1.0	-	-	-
	8/2/02 13:30	-	-	0.0	19.3	1.8	-	-	-
	9/5/02 9:08	-	-	0.0	16.6	5.5	-	-	-
	10/2/02 12:35	-	-	0.0	17.5	5.7	-	-	-
	11/6/02 13:30	-	-	0.0	16.9	6.1	-	-	-
	12/9/02 14:15	-	-	0.1	17.0	5.9	-	-	-
	1/3/03 13:08	30.07	-	0.0	17.4	3.7	-	-	-
	2/5/03 13:43	30.30	-	0.0	16.6	4.6	-	-	-
	3/7/03 12:45	29.77	-	0.1	16.7	2.9	-	-	-
	4/1/03 12:03	29.63	-	0.1	18.9	2.2	-	-	-
	5/5/03 12:29	30.06	-	0.1	19.5	1.7	-	-	-
	6/3/03 11:51	30.18	-	0.2	20.8	2.0	-	-	-
	7/2/03 11:52	30.15	-	0.1	21.1	1.9	-	-	-
	8/5/03 11:26	29.32	-	0.1	21.1	2.8	-	-	-
	9/3/03 11:20	30.02	-	0.1	20.3	2.5	-	-	-
	10/2/03 12:25	30.08	-	0.2	19.0	4.7	-	-	-
	11/5/03 14:27	30.20	-	0.0	18.0	4.9	-	-	-
	12/4/03 12:45	29.74	-	0.0	15.3	6.2	-	-	-
	1/14/04 10:20	30.03	-	0.0	16.1	4.5	-	-	-
	2/2/04 12:05	29.64	-	0.0	17.0	1.9	-	-	-
	3/2/04 9:47	30.23	-	0.0	15.3	5.6	-	-	-
	4/5/04 13:04	30.10	-	0.1	18.6	3.2	-	-	-
	5/3/04 11:02	30.15	-	0.1	18.9	3.0	-	-	-
	6/1/04 11:05	30.11	-	1.4	23.0	0.6	-	-	-
	7/6/04 12:30	30.10	-	0.0	20.6	3.1	-	-	-
	8/6/04 10:30	29.88	-	0.1	19.6	3.7	-	-	-
	2/8/11 9:30	30.29	0.00	0.0	19.0	19.0	-	-	-
	5/25/11 0:00	29.69	-0.06	0.0	0.1	20.2	-	-	-
	6/27/11 0:00	29.68	0.12	0.0	20.1	0.8	-	-	-
	9/23/11 0:00	29.91	0.25	0.0	17.6	2.9	-	-	-
	11/17/11 0:00	29.61	-0.29	0.0	21.4	0.0	-	-	-
12/28/11 0:00	29.96	-0.18	0.0	19.9	0.0	-	-	-	
5/22/13 15:19	29.82	-0.005	0.2	19.6	0.0	80.1	85.0	5.0	
6/18/13 17:17	29.78	-0.005	0.1	18.1	3.3	78.5	0.0	1.0	
10/13/14 11:40	29.71	0	0.4	0.7	19.8	79.0	-	0.1	
2/26/15 11:27	30.1	0	0.0	0.2	21.1	-	-	-	
12/17/15 0:00	29.69	-	-	-	-	Flooded Well Screen			
3/18/16 11:29	29.91	-	0.0	0.1	21.2	78.6	0.0	-	
6/13/16 13:50	29.93	0	0.1	1.1	21.7	77.1	-	2.0	
9/26/16 13:08	29.88	0.006	0.0	0.1	21.1	78.6	0.0	-	
12/8/16 11:32	30.05	0	0.1	2.4	20.0	77.5	0.0	-	
3/21/17 10:13	29.51	0.000	0.0	0.4	20.8	78.8	-	-	
9/6/17 1:15	29.72	-0.042	0.0	14.5	5.1	80.1	-	-	
10/19/17 15:12	29.72	-0.042	0.0	13.2	5.8	80.9	0.0	0.0	
3/9/18 9:20	29.96	1.225	0.0	6.6	13.2	80.0	-	-	
5/21/18 13:28	-	-	0.0	4.1	13.5	82.1	-	-	
9/13/18 10:59	29.93	-0.8	0.0	14.0	5.7	80.2	-	-	
12/26/18 9:35	-	-	0.0	7.6	12.7	79.6	-	-	
GP-17	10/15/99 to 9/10/04	-	-	0.0	0.1	0.0	-	-	-
	10/15/99 to 9/10/04	-	-	43.0	20.0	21.0	-	-	-
	10/15/99 11:28	30.50	-	0.6	17.5	4.5	-	-	12.0
	10/28/99 10:45	29.35	-	0.0	0.1	21.4	-	-	0.0
	11/15/99 8:56	30.35	-	0.0	-	20.0	-	-	-
	12/6/99 12:50	30.40	-	9.0	-	0.0	-	-	-
	1/11/00 12:05	30.02	-	15.0	-	3.0	-	-	-
2/3/00 8:09	29.71	-	9.5	15.0	3.0	-	-	190.0	
2/7/00 9:32	30.42	-	43.0	-	10.0	-	-	-	

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
	3/9/00 11:55	30.49	-	0.0	-	21.0	-	-	-
	4/7/00 9:06	30.94	-	7.0	-	2.0	-	-	-
	5/11/00 10:46	30.46	-	10.0	-	5.0	-	-	-
	6/5/00 9:53	30.38	-	5.0	-	13.0	-	-	-
	7/17/00 8:57	30.50	-	0.0	-	20.0	-	-	-
	8/3/00 8:05	29.20	-	3.6	14.5	7.0	-	-	-
	9/5/00 9:52	29.64	-	2.5	18.3	4.1	-	-	-
	10/10/00 8:56	29.42	-	0.0	16.6	2.4	-	-	-
	11/3/00 11:40	29.93	-	0.3	15.0	5.3	-	-	-
	12/6/00 13:10	29.71	-	2.6	15.8	3.8	-	-	-
	1/5/01 10:50	29.71	-	9.3	20.2	0.0	-	-	-
	2/2/01 8:01	29.86	-	8.7	16.1	2.6	-	-	-
	3/2/01 12:10	29.57	-	5.7	14.8	2.8	-	-	-
	4/6/01 9:30	29.42	-	9.6	14.7	2.6	-	-	-
	5/10/01 8:45	-	-	11.8	17.1	2.1	-	-	-
	6/4/01 10:27	29.98	-	11.5	17.0	1.0	-	-	-
	7/6/01 9:57	30.10	-	2.7	16.7	2.5	-	-	-
	8/3/01 9:00	29.94	-	8.8	16.7	5.4	-	-	-
	9/7/01 9:30	30.25	-	0.6	14.4	5.9	-	-	-
	10/8/01 8:00	-	-	1.2	15.8	4.4	-	-	-
	11/5/01 7:55	-	-	1.4	17.0	4.1	-	-	-
	12/7/01 9:11	30.40	-	8.3	16.0	3.8	-	-	-
	1/11/02 13:20	-	-	8.0	14.0	3.1	-	-	-
	2/8/02 13:25	-	-	8.6	14.3	4.4	-	-	-
	3/8/02 9:15	-	-	1.6	13.6	4.7	-	-	-
	4/4/02 8:49	-	-	6.4	13.8	4.9	-	-	-
	5/6/02 13:55	30.20	-	10.6	13.1	4.4	-	-	-
	6/4/02 8:01	-	-	8.8	13.0	4.8	-	-	-
	7/3/02 13:25	-	-	7.8	16.7	2.5	-	-	-
	8/2/02 13:06	-	-	2.7	14.9	4.9	-	-	-
	9/5/02 8:35	-	-	2.0	13.6	6.7	-	-	-
	10/2/02 11:56	-	-	0.1	10.8	8.5	-	-	-
	11/6/02 12:55	-	-	0.0	12.0	6.1	-	-	-
	12/9/02 13:45	-	-	0.2	14.1	6.7	-	-	-
	1/3/03 12:35	30.12	-	6.7	14.8	6.1	-	-	-
	2/5/03 16:48	30.34	-	6.7	15.1	2.6	-	-	-
	3/7/03 12:15	29.77	-	6.8	13.1	6.1	-	-	-
	4/1/03 11:33	29.67	-	9.7	13.6	4.0	-	-	-
	5/5/03 11:50	30.08	-	10.6	16.5	2.1	-	-	-
	6/3/03 11:06	30.17	-	7.5	15.7	3.6	-	-	-
	7/2/03 11:00	30.12	-	4.0	15.6	4.9	-	-	-
	8/5/03 10:40	29.24	-	3.6	16.8	4.9	-	-	-
	9/3/03 10:35	30.00	-	0.1	15.2	4.2	-	-	-
	10/2/03 11:45	30.08	-	0.3	13.6	6.9	-	-	-
	11/5/03 13:15	30.25	-	0.3	14.1	6.1	-	-	-
	12/4/03 12:15	29.81	-	3.9	12.9	6.3	-	-	-
	1/14/04 9:37	30.03	-	2.7	11.1	6.9	-	-	-
	2/2/04 11:30	29.67	-	6.6	12.0	5.9	-	-	-
	3/2/04 9:11	30.26	-	3.5	10.1	7.8	-	-	-
	4/8/04 14:24	30.14	-	3.6	8.8	9.1	-	-	-
	5/3/04 10:25	30.15	-	5.0	12.3	6.2	-	-	-
	6/1/04 9:20	30.08	-	9.7	15.2	4.4	-	-	-
	7/6/04 12:00	30.12	-	0.6	11.3	8.3	-	-	-
	8/6/04 9:40	29.87	-	4.7	14.9	7.2	-	-	-

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)			
GP-17	9/10/04 8:19	30.03	-	1.7	12.8	8.2	-	-	-
	2/8/11 9:10	30.29	0.00	10.1	19.1	0.0	-	-	-
	5/25/11 0:00	29.70	-0.06	5.8	18.9	0.0	-	-	-
	6/27/00 0:00	29.67	0.11	8.3	17.9	0.0	-	-	-
	9/23/11 0:00	29.97	0.31	1.0	18.5	0.0	-	-	-
	11/17/11 0:00	29.56	-0.3	2.1	22.9	0.0	-	-	-
	12/28/11 0:00	29.96	-0.18	7.4	21.4	0.0	-	-	-
	5/22/13 15:50	29.81	-0.022	18.2	17.7	0.0	-	124.0	-
	6/18/13 17:00	29.75	0	19.0	21.3	0.0	59.6	0.0	-
	6/25/14 14:55	29.75	0.02	19.6	20.8	0.0	59.6	0.0	-
	9/2/14 12:15	29.71	0.008	28.9	25.3	0.0	46.1	-	100.0
	10/13/14 11:55	29.71	0.035	33.1	25.4	0.0	41.7	-	100.0
	11/6/14 16:03	29.93	0	34.7	26.8	0.0	-	-	-
	2/26/15 11:35	30.1	0.019	4.5	16.7	0.0	-	-	-
	5/12/15 12:35	29.63	0	33.0	23.3	0.0	43.6	-	100.0
	12/17/15 13:49	29.7	-0.003	48.1	30.3	0.0	21.6	0.0	100.0
	3/18/16 11:40	29.91	-	28.0	26.0	0.0	46.0	0.0	-
	6/13/16 13:26	29.93	-0.003	13.1	25.7	0.0	60.4	0.0	100.0
	9/26/16 12:05	29.9	0.01	11.1	22.4	0.0	66.4	0.0	-
	12/8/16 11:20	30.05	0.036	17.7	25.3	0.0	56.9	0.0	-
	3/21/17 14:11	29.76	0.092	14.8	22.7	0.0	62.4	-	-
	6/2/17 12:15	29.97	-0.539	7.2	20.8	0.0	72.5	0.0	100.0
	9/6/17 10:54	29.78	-0.551	5.6	21.5	0.0	72.8	-	-
10/19/17 14:08	29.78	-0.551	8.4	22.7	0.0	69.9	-	100.0	
3/9/18 13:24	29.94	0.001	0.0	1.3	11.2	85.0	-	-	
5/21/18 12:47	29.98	0	14.4	21.5	0.0	63.3	-	-	
9/13/18 11:21	29.93	-0.5	28.5	26.3	0.0	45.0	-	-	
12/26/18 11:25	30.05	-	7.3	20.2	0.0	72.0	-	-	
GP-19	10/15/99 to 9/10/04	-	-	0.2	0.7	0.0	-	-	-
	10/15/99 to 9/10/04	-	-	10.0	23.0	20.0	-	-	-
	10/15/99 15:01	30.40	-	2.7	22.1	0.0	-	-	57.0
	10/28/99 16:16	29.57	-	0.2	0.7	20.3	-	-	4.0
	11/15/99 10:34	30.35	-	6.0	-	1.0	-	-	-
	12/6/99 12:10	30.40	-	7.0	-	0.0	-	-	-
	1/11/00 12:40	30.02	-	7.0	-	0.0	-	-	-
	2/3/00 10:35	29.79	-	8.3	18.2	0.0	-	-	166.0
	2/7/00 10:13	30.42	-	5.0	-	0.0	-	-	-
	3/9/00 12:41	30.49	-	10.0	-	0.0	-	-	-
	4/7/00 9:46	30.94	-	4.0	-	1.0	-	-	-
	5/11/00 11:26	30.46	-	4.0	-	0.0	-	-	-
	6/5/00 11:25	30.38	-	2.0	-	0.0	-	-	-
	7/17/00 8:45	30.50	-	2.0	-	0.0	-	-	-
	8/3/00 10:15	29.86	-	1.5	17.7	0.2	-	-	-
	9/6/00 8:30	29.86	-	2.2	19.8	0.0	-	-	-
	10/10/00 8:45	29.35	-	3.8	20.5	0.0	-	-	-
	11/3/00 12:55	29.42	-	4.8	20.3	0.1	-	-	-
	12/6/00 14:00	29.79	-	6.5	19.7	0.0	-	-	-
	1/5/01 13:05	29.79	-	6.6	19.0	0.0	-	-	-
	2/2/01 9:42	28.98	-	6.1	18.1	0.0	-	-	-
	3/2/01 13:15	29.57	-	5.5	17.3	0.1	-	-	-
	4/6/01 12:05	29.05	-	4.6	16.7	0.2	-	-	-
	5/10/01 10:50	-	-	4.6	22.7	0.0	-	-	-
	6/4/01 11:40	29.98	-	1.9	17.3	0.0	-	-	-
	7/6/01 11:38	30.10	-	0.8	18.8	0.0	-	-	-
	8/3/01 12:12	29.94	-	1.0	19.3	0.0	-	-	-
	9/7/01 10:15	30.25	-	2.5	19.2	0.0	-	-	-
	10/8/01 10:00	-	-	3.8	20.7	0.0	-	-	-
	11/5/01 10:05	-	-	5.1	20.5	0.0	-	-	-
	12/7/01 11:11	30.40	-	7.4	19.8	0.0	-	-	-
	1/11/02 15:25	-	-	7.4	17.5	0.0	-	-	-
	2/8/02 15:35	-	-	7.4	17.5	0.0	-	-	-
3/8/02 11:25	-	-	3.6	17.0	0.0	-	-	-	
4/4/02 11:15	-	-	3.2	17.1	0.1	-	-	-	
5/6/02 15:40	30.20	-	3.7	16.1	0.0	-	-	-	
6/4/02 10:20	-	-	1.8	17.1	0.0	-	-	-	
7/3/02 15:15	-	-	1.2	17.6	0.0	-	-	-	
8/2/02 10:20	-	-	1.3	17.9	0.0	-	-	-	
9/5/02 10:35	-	-	2.5	19.3	0.2	-	-	-	
10/2/02 15:15	-	-	3.8	19.9	0.4	-	-	-	

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Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
GP-19	11/6/02 15:15	-	-	6.9	20.5	0.0	-	-	-
	12/9/02 15:45	-	-	7.6	21.0	0.0	-	-	-
	1/7/03 13:55	30.18	-	7.2	19.1	0.0	-	-	-
	2/5/03 15:05	30.30	-	5.2	17.7	0.0	-	-	-
	3/7/03 14:10	29.71	-	5.7	17.7	0.0	-	-	-
	4/1/03 13:25	29.63	-	5.0	16.9	0.0	-	-	-
	5/5/03 14:30	30.09	-	3.5	17.4	0.0	-	-	-
	6/3/03 13:55	30.22	-	1.9	17.5	0.2	-	-	-
	7/2/03 14:00	30.16	-	1.2	18.2	0.2	-	-	-
	8/5/03 13:45	29.99	-	1.5	19.4	0.0	-	-	-
	9/3/03 13:45	30.00	-	2.1	20.3	0.0	-	-	-
	10/2/03 14:20	30.03	-	3.6	21.5	0.0	-	-	-
	11/5/03 15:57	30.16	-	7.4	21.4	0.0	-	-	-
	12/4/03 14:03	29.66	-	7.9	20.3	0.0	-	-	-
	1/14/04 14:55	29.95	-	6.3	19.1	0.0	-	-	-
	2/6/04 13:50	29.98	-	5.4	17.8	0.0	-	-	-
	3/2/04 11:20	30.23	-	4.2	17.1	0.1	-	-	-
	4/5/04 15:04	30.10	-	3.5	17.3	0.2	-	-	-
	5/3/04 12:35	30.14	-	1.9	17.3	0.3	-	-	-
	6/1/04 13:00	30.12	-	1.8	18.2	0.3	-	-	-
	7/6/04 14:25	30.08	-	1.0	18.9	0.1	-	-	-
	8/6/04 12:36	29.85	-	1.4	20.2	0.0	-	-	-
	9/10/04 10:53	29.95	-	3.1	20.7	0.2	-	-	-
	2/8/11 16:25	30.37	-0.02	1.9	14.3	0.0	-	-	-
	5/22/13 16:23	29.8	0.00	4.5	15.1	0.0	-	93.0	88.0
	6/18/13 10:47	29.81	0.00	1.3	15.8	0.0	82.9	0.0	25.0
	6/19/13 14:39	29.78	-0.006	2.0	17.4	0.0	80.5	0.0	40.0
	6/25/14 12:00	29.77	0.02	6.9	15.4	0.0	77.7	0.0	100.0
	9/2/14 11:50	29.72	0.009	12.0	19.6	0.0	68.4	-	100.0
	10/13/14 14:56	29.6	0.005	14.6	18.8	0.0	66.5	-	100.0
	11/6/14 14:35	29.85	0.031	12.4	18.1	0.0	-	-	-
	2/26/15 11:50	30.1	0	0.0	9.5	5.5	-	-	-
	5/12/15 0:00	29.69	-0.01	0.1	16.6	0.3	82.8	-	3.0
	12/17/15 14:55	29.63	-0.001	10.8	16.0	0.8	72.0	0.0	100.0
	3/18/16 12:39	29.86	-	4.2	14.3	0.0	81.5	0.0	0.0
6/13/16 16:00	29.92	0	2.4	14.2	0.0	78.3	5.0	48.0	
9/26/16 11:00	29.93	0.01	5.1	19.2	0.0	75.6	0.0	0.0	
12/8/16 10:38	30.05	0.005	9.5	19.4	0.0	71.0	0.0	-	
3/21/17 13:42	-	0.039	2.0	16.5	0.0	81.4	-	-	
6/2/17 12:15	29.99	-0.406	0.0	11.0	10.1	78.9	0.0	0.0	
9/6/17 9:50	29.82	-5.554	0.0	18.7	0.0	81.3	-	-	
10/19/17 13:27	29.82	-5.554	2.3	20.4	0.0	77.2	0.0	15.0	
3/9/18 13:25	29.94	-0.041	0.0	0.4	17.2	76.1	-	-	
5/21/18 11:59	29.98	0	1.9	17.1	0.0	81.1	-	-	
9/12/18 11:56	29.84	1.6	4.4	20.4	0.0	75.9	-	-	
12/26/18 10:36	30.5	-	11.0	17.9	0.0	71.3	-	-	
GP-20	10/15/99 to 9/10/04	-	-	0.3	1.6	0.0	-	-	-
	10/15/99 to 9/10/04	-	-	10.0	15.0	19.0	-	-	-
	5/14/97 0:00	-	-	-	0.9	13.3	-	-	107.2
	5/23/97 11:15	30.54	-	7.0	-	0.0	-	-	-
	6/20/97 10:25	30.65	-	-	-	20.8	-	-	0.0
	7/21/97 0:00	29.65	-	0.0	-	21.0	-	-	-
	8/18/97 11:02	30.67	-	0.0	-	21.0	-	-	-
	9/8/97 10:15	30.70	-	-	-	-	-	-	61.0
	10/24/97 6:00	31.08	-	14.0	-	0.0	-	-	-
	11/19/97 7:50	30.15	-	18.0	-	0.0	-	-	-
	12/2/97 12:02	30.50	-	25.0	-	0.0	-	-	-
	1/16/98 8:20	30.15	-	16.0	-	-	-	-	-
	2/19/98 7:52	30.40	-	15.0	-	0.0	-	-	-
	3/17/98 7:59	30.88	-	12.0	-	1.0	-	-	-
	4/14/98 8:30	29.63	-	11.0	-	1.0	-	-	-
	5/19/98 11:20	30.64	-	15.0	-	0.0	-	-	-
	6/4/98 8:44	30.52	-	6.0	-	1.0	-	-	-
	7/27/98 12:22	30.57	-	2.4	-	2.5	-	-	-
	8/4/98 12:39	30.58	-	2.5	-	2.5	-	-	-
	9/17/98 12:18	30.03	-	1.4	-	3.0	-	-	-
10/5/98 12:25	30.08	-	1.6	-	2.5	-	-	-	
11/6/98 1:00	30.39	-	-	-	2.0	-	-	4.0	
12/2/98 1:00	30.19	-	-	-	0.0	-	-	4.0	

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
	1/6/99 10:16	29.70	-	18.0	-	0.0	-	-	-
	3/5/99 11:06	29.95	-	15.0	-	0.0	-	-	-
	4/9/99 11:59	30.80	-	12.0	-	0.0	-	-	-
	5/7/99 10:51	30.85	-	-	-	-	-	-	-
	6/23/99 10:18	30.65	-	5.0	-	0.0	-	-	-
	7/20/99 9:02	30.50	-	4.0	-	0.0	-	-	-
	8/20/99 10:20	30.65	-	3.0	-	0.0	-	-	-
	9/29/99 10:28	30.80	-	3.0	-	0.0	-	-	-
	10/15/99 14:52	30.40	-	1.3	10.9	0.0	-	-	96.0
	10/28/99 16:35	29.28	-	0.3	1.6	19.1	-	-	4.0
	11/15/99 9:10	30.35	-	1.0	-	1.0	-	-	-
	12/6/99 11:41	30.40	-	3.0	-	1.0	-	-	-
	1/11/00 12:20	30.02	-	6.0	-	0.0	-	-	-
	2/3/00 10:17	29.79	-	7.4	8.2	0.0	-	-	304.0
	2/7/00 10:07	30.42	-	10.0	-	0.0	-	-	-
	3/9/00 12:09	30.49	-	6.0	-	0.0	-	-	-
	4/7/00 9:41	30.94	-	5.0	-	0.0	-	-	-
	5/11/00 11:04	30.46	-	9.0	-	0.0	-	-	-
	6/5/00 11:30	30.38	-	4.0	-	0.0	-	-	-
	7/17/00 8:40	30.50	-	3.0	-	0.0	-	-	-
	8/3/00 9:55	29.27	-	2.7	12.9	0.3	-	-	-
	9/6/00 8:10	30.01	-	1.9	13.7	1.0	-	-	-
	10/10/00 8:35	29.42	-	1.2	12.9	3.3	-	-	-
	11/3/00 13:07	29.79	-	1.6	11.5	0.1	-	-	-
	12/6/00 14:10	29.86	-	2.6	10.6	0.0	-	-	-
	1/5/01 13:17	29.71	-	3.5	10.3	0.0	-	-	-
	2/2/01 9:55	29.86	-	4.2	10.3	0.0	-	-	-
	3/2/01 13:27	29.49	-	3.8	9.8	0.0	-	-	-
	4/6/01 12:20	28.98	-	3.0	9.1	0.2	-	-	-
	5/10/01 11:05	-	-	4.7	10.6	0.0	-	-	-
	6/4/01 11:58	29.98	-	3.5	9.4	0.0	-	-	-
	7/6/01 11:48	30.10	-	3.3	12.6	0.0	-	-	-
	8/3/01 11:55	29.94	-	2.4	12.9	0.0	-	-	-
	12/7/01 11:25	30.40	-	3.6	11.6	0.0	-	-	-
	1/11/02 15:35	-	-	4.3	9.2	0.0	-	-	-
	2/8/02 15:45	-	-	6.1	9.9	0.0	-	-	-
	3/8/02 11:40	-	-	3.9	9.8	0.0	-	-	-
	4/4/02 11:27	-	-	2.8	9.1	0.2	-	-	-
	5/6/02 15:50	30.20	-	3.7	8.9	0.0	-	-	-
	6/4/02 10:35	-	-	3.4	9.6	0.0	-	-	-
	7/3/02 15:30	-	-	2.1	9.6	0.0	-	-	-
	8/2/02 12:00	-	-	1.7	10.7	0.0	-	-	-
	9/5/02 10:50	-	-	1.6	12.7	0.3	-	-	-
	10/2/02 15:50	-	-	1.5	13.2	0.4	-	-	-
	11/6/02 15:25	-	-	10.1	13.1	0.2	-	-	-
	12/9/02 13:54	-	-	2.2	12.2	0.0	-	-	-
	1/7/03 14:05	30.17	-	3.1	11.1	0.0	-	-	-
	2/5/03 15:15	30.30	-	4.0	10.6	0.0	-	-	-
	3/7/03 14:20	29.71	-	5.0	10.9	0.0	-	-	-
	4/1/03 13:35	-	-	4.4	10.3	0.0	-	-	-
	5/5/03 14:45	30.09	-	4.0	10.2	0.0	-	-	-
	6/3/03 14:10	30.21	-	2.9	10.4	0.2	-	-	-
	7/2/03 14:10	30.16	-	1.9	10.9	0.2	-	-	-
	8/5/03 13:55	30.01	-	1.8	13.7	1.1	-	-	-

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)			
GP-20	9/3/03 13:55	30.01	-	1.2	14.4	0.6	-	-	-
	10/2/03 14:35	30.03	-	1.3	14.7	0.0	-	-	-
	11/5/03 16:03	30.15	-	4.5	14.9	0.0	-	-	-
	12/4/03 14:20	29.65	-	3.8	12.7	0.2	-	-	-
	1/14/04 14:10	29.94	-	5.1	12.0	0.0	-	-	-
	2/6/04 14:05	29.98	-	5.3	11.2	0.0	-	-	-
	3/2/04 11:30	30.22	-	5.6	10.5	0.0	-	-	-
	4/5/04 15:15	30.10	-	4.1	10.3	0.1	-	-	-
	5/3/04 12:45	30.13	-	4.2	10.4	0.3	-	-	-
	1/0/00 0:00	30.11	-	3.4	10.8	0.4	-	-	-
	7/6/04 14:57	30.08	-	2.2	12.5	0.1	-	-	-
	8/6/04 12:53	29.84	-	0.5	13.6	1.8	-	-	-
	9/10/04 11:03	29.95	-	0.9	15.0	1.4	-	-	-
	2/9/11 9:30	30.45	-0.06	3.3	8.9	0.0	-	-	-
	5/22/13 15:00	29.82	0.00	2.5	7.1	0.0	-	121.0	50.0
	6/18/13 9:50	29.82	0.006	1.9	7.3	0.0	90.7	0.0	39.0
	6/19/13 13:53	29.77	0	2.1	7.2	0.0	90.8	0.0	40.0
	6/25/14 11:28	29.82	0.027	2.5	7.5	0.0	87.9	0.0	50.0
	9/2/14 11:25	29.72	0.012	4.1	10.3	0.0	85.5	-	81.0
	10/13/14 0:00	29.6	0.019	6.0	11.4	0.0	82.6	-	100.0
	11/6/14 14:47	29.85	0.046	7.4	11.4	6.5	-	-	-
	2/26/15 12:20	30.1	-0.003	0.1	14.0	0.0	-	-	-
	5/12/15 10:05	29.69	0	3.7	12.3	0.0	33.9	-	74.0
	12/17/15 13:00	29.63	-0.006	9.5	5.2	0.0	85.7	0.0	100.0
	3/18/16 12:08	29.91	0.22	5.1	9.9	0.0	84.9	0.0	8.0
	6/13/16 12:54	29.93	0	0.0	8.8	5.3	85.8	0.0	0.0
	9/26/16 10:38	29.9	-0.009	1.8	15.2	0.0	82.9	0.0	35.0
	12/8/16 10:10	30.05	0.015	3.6	18.0	0.0	78.4	0.0	-
3/21/17 13:04	-	0.024	1.0	10.1	0.0	82.9	-	-	
5/31/17 10:09	29.76	-0.693	0.0	13.2	2.0	84.8	0.0	0.0	
9/6/17 9:05	29.82	-0.711	0.0	17.2	0.0	82.8	-	-	
10/19/17 13:06	29.82	-0.711	1.1	19.0	0.0	79.9	0.0	22.0	
3/9/18 12:50	29.95	0.049	2.0	11.5	0.0	86.3	-	-	
5/21/18 11:38	29.98	0	1.8	14.9	0.0	83.5	-	-	
9/12/18 11:36	29.84	-1	1.9	17.5	0.0	80.5	-	-	
12/26/18 10:20	30.5	-	8.1	15.9	0.0	75.9	-	-	
GP-21	10/15/99 to 9/10/04	-	-	0.0	0.0	0.0	-	-	-
	10/15/99 to 9/10/04	-	-	23.0	27.0	21.0	-	-	-
	10/15/99 14:33	30.40	-	19.8	25.5	0.1	-	-	396.0
	10/28/99 17:35	29.28	-	0.2	0.1	21.4	-	-	4.0
	11/15/99 9:17	30.35	-	19.0	-	0.0	-	-	-
	12/6/99 11:53	30.40	-	19.0	-	0.0	-	-	-
	1/11/00 12:25	30.02	-	14.0	-	0.0	-	-	-
	2/3/00 9:35	29.79	-	17.4	20.3	0.0	-	-	348.0
	2/7/00 9:46	30.42	-	15.0	-	0.0	-	-	-
	3/9/00 12:13	30.49	-	15.0	-	0.0	-	-	-
	4/7/00 9:27	30.94	-	5.0	-	13.0	-	-	-
	5/11/00 11:08	30.46	-	14.0	-	0.0	-	-	-
	6/5/00 10:58	30.38	-	15.0	-	0.0	-	-	-
	7/17/00 8:31	30.50	-	17.0	-	0.0	-	-	-
	8/2/00 11:20	29.71	-	14.9	20.3	0.3	-	-	298.0
	9/5/00 10:20	29.86	-	17.9	22.4	0.0	-	-	-
	10/10/00 8:05	29.20	-	18.5	23.3	0.0	-	-	-
	11/3/00 13:47	29.86	-	19.7	23.5	0.1	-	-	-
	12/6/00 14:44	29.64	-	22.5	24.4	0.0	-	-	-
	1/5/01 13:55	29.79	-	22.1	22.6	0.0	-	-	-
	2/2/01 10:35	29.79	-	21.8	22.3	0.0	-	-	-
	3/2/01 14:00	29.42	-	19.7	21.4	0.0	-	-	-
	4/6/01 13:18	29.13	-	16.2	19.8	0.2	-	-	-
	5/10/01 11:50	-	-	22.8	26.5	0.0	-	-	-
	6/4/01 12:35	29.98	-	18.1	20.4	0.0	-	-	-
	7/6/01 12:30	30.10	-	18.7	22.0	0.0	-	-	-
	8/3/01 13:09	29.94	-	17.9	22.3	0.0	-	-	-
	9/7/01 12:02	30.25	-	20.1	23.0	0.0	-	-	-
10/8/01 10:50	-	-	22.6	24.5	0.0	-	-	-	
11/5/01 11:05	-	-	19.4	23.8	0.0	-	-	-	
12/7/01 12:04	30.40	-	18.6	22.8	0.0	-	-	-	
1/11/02 16:20	-	-	17.3	19.5	0.0	-	-	-	
2/8/02 16:30	-	-	12.0	16.7	1.8	-	-	-	

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Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)			
GP-21	3/8/02 12:30	-	-	15.3	18.5	0.0	-	-	-
	4/4/02 12:10	-	-	0.0	0.0	20.4	-	-	-
	5/6/02 16:30	30.20	-	14.7	17.4	0.0	-	-	-
	6/4/02 11:20	-	-	18.8	18.4	0.0	-	-	-
	7/3/02 16:16	-	-	16.8	20.5	0.0	-	-	-
	8/2/02 10:40	-	-	17.6	20.3	0.0	-	-	-
	9/5/02 11:27	-	-	17.0	20.9	0.4	-	-	-
	10/2/02 16:10	-	-	17.6	22.1	0.3	-	-	-
	11/6/02 16:10	-	-	17.5	23.0	0.0	-	-	-
	12/9/02 16:49	-	-	20.1	23.6	0.0	-	-	-
	1/7/03 14:45	-	-	15.0	21.7	0.0	-	-	-
	2/5/03 15:48	30.29	-	13.6	19.9	0.0	-	-	-
	3/7/03 15:00	29.71	-	15.6	19.0	0.0	-	-	-
	4/1/03 14:10	29.59	-	12.8	18.3	0.0	-	-	-
	5/5/03 15:20	30.07	-	15.3	17.0	0.0	-	-	-
	6/3/03 14:55	30.20	-	16.0	18.9	0.1	-	-	-
	7/2/03 15:00	30.16	-	15.2	19.7	0.1	-	-	-
	8/5/03 15:00	30.00	-	13.4	20.2	0.0	-	-	-
	9/3/03 14:35	30.01	-	14.4	21.4	0.1	-	-	-
	10/2/03 15:15	30.03	-	17.3	22.8	0.0	-	-	-
	11/5/03 16:45	30.15	-	20.7	23.8	0.0	-	-	-
	12/4/03 15:10	29.63	-	15.7	22.8	0.0	-	-	-
	1/14/04 15:00	30.03	-	14.9	20.3	0.0	-	-	-
	2/6/04 14:45	29.98	-	10.2	18.3	0.0	-	-	-
	3/2/04 12:05	30.23	-	12.8	17.2	0.0	-	-	-
	4/5/04 15:58	-	-	13.8	17.8	0.1	-	-	-
	5/3/04 13:25	30.14	-	16.1	17.9	0.4	-	-	-
	6/1/04 14:05	30.13	-	14.8	19.4	0.3	-	-	-
	7/6/04 15:30	30.05	-	15.4	20.3	0.1	-	-	-
	8/6/04 14:15	29.87	-	13.1	20.1	0.0	-	-	-
	9/10/04 11:37	29.95	-	16.6	21.8	0.2	-	-	-
	2/9/11 10:35	30.44	-0.07	20.0	17.6	0.0	-	-	-
	5/22/13 13:35	29.81	0.01	15.8	14.3	0.0	-	25.0	-
	6/18/13 13:14	29.80	0.02	0.0	17.0	20.2	75.6	0.0	-
	6/25/14 10:10	29.85	0.04	19.8	17.6	0.0	62.7	0.0	-
	9/2/14 16:00	29.63	0.02	14.9	18.9	0.0	66.1	-	100.0
	10/13/14 0:00	29.55	-	19.4	19.0	0.0	61.4	-	100.0
	11/6/14 16:48	29.93	-	14.3	11.3	-	-	-	-
	2/26/15 13:05	30.00	0.00	0.0	0.4	17.7	-	-	-
	5/12/15 0:00	29.69	-0.01	14.7	16.0	0.0	69.2	-	100.0
12/17/15 0:00	29.69	0.00	29.4	17.8	0.0	52.7	0.0	100.0	
1/0/00 0:00	29.84	-	25.6	15.7	0.0	58.6	0.0	-	
6/13/16 0:00	29.92	-0.01	1.0	17.5	0.0	81.4	0.0	19.0	
9/26/16 9:45	29.93	0.00	1.2	17.6	0.0	81.2	0.0	23.0	
12/8/16 9:13	30.08	0.06	4.5	18.5	0.0	76.9	0.0	90.0	
3/21/17 11:45	-	0.040	0.3	13.5	0.6	85.5	-	-	
5/31/17 9:00	29.77	-0.32	0.0	0.3	21.3	78.3	0.0	0.0	
9/6/17 7:46	29.87	-0.24	0.0	11.9	6.1	81.9	-	-	
10/19/17 12:30	29.87	-0.24	0.3	18.2	0.0	81.4	0.0	6.0	
3/9/18 12:06	29.96	0.001	0.0	0.5	21.0	82.0	-	-	
5/21/18 11:01	29.98	0.000	0.0	16.5	0.0	83.4	-	-	
9/12/18 0:00	NM	NM	NM	NM	NM	NM	-	-	
12/26/18 10:00	30.50								
Trailer on top of well head									
GP-22	10/15/99 to 9/10/04	-	-	0.2	0.0	0.0	-	-	-
	10/15/99 to 9/10/04	-	-	15.0	31.0	21.0	-	-	-
	10/15/99 14:25	30.40	-	9.2	21.0	0.0	-	-	184.0
	10/28/99 17:05	29.57	-	0.2	0.0	21.4	-	-	4.0
	11/15/99 9:30	30.35	-	9.0	-	0.0	-	-	-
	12/6/99 11:49	30.40	-	7.0	-	0.0	-	-	-
	1/11/00 12:28	30.02	-	4.0	-	0.0	-	-	-
	2/3/00 10:00	29.79	-	7.0	11.2	0.0	-	-	140.0
	2/7/00 9:51	30.42	-	5.0	-	0.0	-	-	-
	3/9/00 12:17	30.49	-	6.0	-	0.0	-	-	-
	4/7/00 9:22	30.94	-	3.0	-	13.0	-	-	-
	5/11/00 11:13	30.46	-	7.0	-	0.0	-	-	-
	6/5/00 11:03	30.38	-	8.0	-	0.0	-	-	-
	7/17/00 8:35	30.50	-	9.0	-	0.0	-	-	-
8/3/00 9:30	29.71	-	10.0	20.4	0.2	-	-	-	
9/5/00 10:15	29.64	-	8.8	21.0	0.0	-	-	-	

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Perimeter Probe Compliance Monitoring Data
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Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
GP-22	10/10/00 7:55	29.35	-	8.4	20.5	0.0	-	-	-
	11/3/00 13:35	29.35	-	10.4	19.2	0.1	-	-	-
	12/6/00 14:30	29.71	-	11.3	16.8	0.0	-	-	-
	1/5/01 13:44	29.86	-	11.6	15.7	0.0	-	-	-
	2/2/01 10:15	29.64	-	13.1	16.6	0.0	-	-	-
	3/2/01 13:50	29.42	-	11.0	15.6	0.0	-	-	-
	4/6/01 12:50	29.20	-	10.8	15.2	0.7	-	-	-
	5/10/01 11:35	-	-	15.0	21.2	0.0	-	-	-
	6/4/01 12:25	29.98	-	11.9	17.9	0.0	-	-	-
	7/6/01 12:20	30.10	-	11.3	20.1	0.0	-	-	-
	8/3/01 12:43	29.94	-	10.4	30.7	0.0	-	-	-
	9/7/01 11:54	30.25	-	12.2	20.4	0.0	-	-	-
	10/8/01 10:32	-	-	11.6	21.1	0.0	-	-	-
	11/5/01 10:45	-	-	8.6	14.6	4.2	-	-	-
	12/7/01 11:55	30.40	-	8.2	13.2	0.0	-	-	-
	1/11/02 16:00	-	-	7.1	9.8	1.7	-	-	-
	2/8/02 16:15	-	-	3.5	8.7	4.1	-	-	-
	3/8/02 12:07	-	-	5.0	10.3	3.1	-	-	-
	4/4/02 11:55	-	-	6.3	12.2	0.2	-	-	-
	5/6/02 14:20	30.20	-	6.4	12.3	0.0	-	-	-
	6/4/02 11:00	-	-	2.8	5.7	12.4	-	-	-
	7/3/02 15:55	-	-	7.0	14.2	3.3	-	-	-
	8/2/02 11:20	-	-	8.8	19.1	0.0	-	-	-
	9/5/02 11:17	-	-	8.5	20.2	0.3	-	-	-
	10/2/02 16:00	-	-	7.1	19.4	0.4	-	-	-
	11/6/02 15:50	-	-	4.0	14.1	5.1	-	-	-
	12/9/02 16:34	-	-	10.3	18.0	0.0	-	-	-
	1/7/03 14:35	30.17	-	7.2	12.5	0.0	-	-	-
	2/5/03 15:40	30.28	-	6.6	11.3	0.0	-	-	-
	3/7/03 14:40	29.70	-	8.3	12.9	0.0	-	-	-
	4/1/03 13:58	29.61	-	7.1	11.6	0.0	-	-	-
	5/5/03 15:10	30.06	-	7.3	12.7	0.0	-	-	-
	6/3/03 14:45	30.20	-	8.8	15.7	0.1	-	-	-
	7/2/03 14:50	30.16	-	8.7	19.7	0.2	-	-	-
	8/5/03 14:25	30.00	-	9.1	22.5	9.0	-	-	-
	9/3/03 14:25	30.01	-	7.5	22.1	0.1	-	-	-
	10/2/03 15:00	30.03	-	7.2	21.1	0.0	-	-	-
	11/5/03 16:32	30.15	-	7.1	18.2	0.0	-	-	-
	12/4/03 14:49	29.65	-	7.1	13.5	0.6	-	-	-
	1/14/04 14:40	29.93	-	6.5	11.1	0.3	-	-	-
	2/6/04 14:30	29.98	-	6.0	11.2	0.0	-	-	-
	3/2/04 11:55	30.20	-	7.6	12.1	0.1	-	-	-
	4/5/04 15:45	30.10	-	9.0	14.0	0.1	-	-	-
	5/3/04 13:15	30.14	-	10.4	15.6	0.7	-	-	-
	6/1/04 13:40	30.11	-	8.2	15.9	3.1	-	-	-
	7/6/04 15:20	30.10	-	9.9	21.6	0.1	-	-	-
	8/6/04 13:40	29.87	-	8.1	21.0	0.5	-	-	-
	9/10/04 11:27	29.95	-	10.5	21.9	0.2	-	-	-
	2/9/11 10:55	30.44	0.01	7.1	11.3	0.0	-	-	-
	5/22/13 13:00	29.82	-0.004	8.6	13.5	0.0	-	62.0	-
6/18/13 12:23	29.81	0.00	9.9	14.9	0.0	75.8	0.0	-	
9/2/14 16:10	29.63	-	9.5	16.5	0.0	73.9	-	100.0	
10/13/14 17:00	29.53	0.04	14.5	15.9	0.0	69.5	-	100.0	
2/26/15 14:00	29.99	-0.01	1.3	5.9	2.0	-	-	-	
5/12/15 13:00	29.64	-	17.1	10.3	0.0	72.7	-	100.0	
12/17/15 12:33	29.69	0.00	23.6	16.2	0.0	60.2	0.0	100.0	
3/18/16 14:21	29.84	-	19.3	10.6	0.0	70.0	-	-	
5/11/16 11:03	30.01	-0.06	7.3	11.1	0.0	81.6	0.0	-	
6/13/16 15:10	29.92	-0.01	3.3	10.2	0.0	86.5	0.0	65.0	
9/26/16 9:20	29.95	0.00	2.3	11.5	0.0	86.6	0.0	45.0	
12/8/16 8:54	30.08	-0.20	5.3	9.5	0.0	85.1	0.0	-	
3/21/17 11:13	29.85	-1.668	0.0	0.3	21.1	78.6	-	-	
5/31/17 8:47	29.77	-0.36	0.2	6.4	0.0	93.4	0.0	4.0	
9/6/17 7:19	29.87	-0.08	0.0	8.7	7.5	83.8	-	-	
10/19/17 11:30	29.87	-0.08	1.4	10.3	0.0	88.1	0.0	29.0	
3/9/18 11:50	29.95	0.486	1.0	5.1	0.0	93.7	-	-	
5/21/18 10:47	30.03	-0.040	5.1	6.8	0.0	88.0	-	-	
9/12/18 10:31	29.87	1.6	2.3	12.5	0.0	85.2	-	-	
12/26/18 9:58	30.50	-	-	-	-	-	-	-	
Trailers on top of well head									
GP-23	3/18/16 0:00	-	-	-	-	-	-	-	-
Flooded Well Screen									
GP-24	3/18/16 13:20	29.87	0.00	0.0	0.0	20.6	79.4	-	-

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
GP-25	3/18/16 13:09	29.87	-	43.3	0.0	5.4	50.9	0.0	-
GP-27	2/7/11 11:40	30.09	-0.01	6.1	7.8	0.9	-	-	-
	2/17/11 12:35	29.73	0.13	2.9	4.7	9.1	-	-	-
	2/21/11 12:30	29.90	0.10	3.1	4.8	9.1	-	-	-
	5/11/11 12:12	29.73	0.05	6.5	8.3	0.1	-	-	-
	5/25/11 0:00	29.68	-0.08	2.6	4.0	11.1	-	-	-
	6/27/11 0:00	29.69	0.12	6.3	8.9	0.0	-	-	-
	9/23/11 0:00	29.98	0.10	4.3	11.4	0.0	-	-	-
	11/17/11 0:00	29.76	-0.17	3.3	8.4	5.2	-	-	-
	12/28/11 0:00	29.92	0.0	6.0	11.9	0.0	-	-	-
	5/22/13 17:13	29.8	-	5.1	7.4	1.0	86.5	30.0	-
	6/25/14 12:45	29.79	-	0.6	6.9	6.4	86.2	30.0	7.0
	9/2/14 13:30	29.69	-	1.5	12.7	0.0	85.8	-	29.0
	10/13/14 10:05	29.73	-0.025	2.1	13.4	0.0	-	-	29.0
	11/6/14 14:18	29.85	0.027	1.5	12.8	0.0	-	-	-
	2/26/15 9:00	30.16	0.000	0.0	5.0	10.8	-	-	-
	5/12/15 9:25	29.69	0.000	0.6	10.4	0.0	88.9	-	-
	12/17/15 9:20	29.79	-0.050	0.9	12.5	0.0	86.5	-	18.0
	3/18/16 10:24	30.01	-	0.4	9.8	0.0	89.7	20.0	1.0
	6/13/16 12:09	29.95	-	0.1	11.8	0.0	88.1	0.0	0.0
	9/26/16 11:22	29.93	0.005	0.0	14.0	0.0	86.0	0.0	0.0
12/8/16 10:49	30.05	0.009	0.5	15.5	0.0	84.0	0.0	-	
3/21/17 10:00	29.51	0.191	0.0	10.1	0.0	89.9	-	-	
6/2/17 11:39	29.99	0.428	0.0	9.5	0.0	90.5	0.0	0.0	
9/6/17 10:12	29.82	0.116	0.0	14.3	0.0	85.5	-	-	
10/19/17 13:45	29.82	0.116	0.0	15.6	0.0	84.4	0.0	0.0	
3/9/18 13:00	29.95	0.000	0.0	9.3	0.0	90.4	-	-	
5/21/18 12:30	29.92	0.000	0.0	10.0	0.0	90.0	-	-	
9/13/18 11:45	29.93	0.2	0.0	15.4	0.0	84.5	-	-	
12/26/18 10:45	30.50	-	0.0	13.0	0.0	87.1	-	-	
GP-28	2/7/11 13:30	30.11	0.01	0.0	3.1	8.1	-	-	-
	2/21/11 12:45	29.89	0.10	0.0	2.0	15.3	-	-	-
	5/11/11 10:50	29.73	0.05	0.5	5.4	0.4	-	-	-
	5/25/11 0:00	29.70	-0.05	0.6	3.1	11.7	-	-	-
	6/27/11 0:00	29.70	0.06	2.8	7.7	0.0	-	-	-
	9/23/11 0:00	29.99	0.06	0.2	8.9	2.8	-	-	-
	11/17/11 0:00	29.73	-0.19	0.1	8.9	4.2	-	-	-
	12/28/11 0:00	29.94	-0.01	0.0	6.2	4.9	-	-	-
	5/22/13 17:01	29.8	0	0.1	5.6	0.2	94.1	5.0	2.0
	6/25/14 12:55	29.79	-	0.0	6.8	0.4	92.5	6.0	0.0
	9/2/14 13:45	29.67	-	0.0	11.1	0.9	88.0	-	0.0
	10/13/14 0:00	29.71	0.004	0.0	11.0	0.0	88.9	-	0.0
	11/6/14 14:01	29.85	0.026	0.2	6.4	0.4	-	-	-
	2/26/15 8:51	30.16	0	0.0	1.7	11.8	-	-	-
	5/12/15 9:15	29.69	0	0.1	3.2	7.4	89.0	-	0.0
	12/17/15 9:39	29.79	0.003	0.0	1.5	12.0	86.5	0.0	0.0
	3/18/16 10:38	30.01	-	0.0	2.0	12.7	85.2	21.0	0.0
	6/13/16 11:58	29.95	-	0.0	5.0	9.3	85.6	0.0	0.0
	9/26/16 11:47	29	0	0.0	7.2	6.5	86.2	0.0	0.0
	12/8/16 11:05	30.05	0	0.1	3.9	6.9	89.0	0.0	1.0
3/21/17 14:01	29.76	0.039	0.0	1.0	14.3	84.6	-	-	
6/2/17 11:59	29.99	-0.06	0.0	2.6	9.4	87.8	0.0	0.0	
9/6/17 10:27	29.79	0	0.0	7.4	6.9	85.5	-	-	
10/19/17 13:57	29.79	0	0.0	7.8	6.6	85.5	0.0	0.0	
3/9/18 13:30	29.95	0.02	0.0	1.3	10.4	88.2	-	-	
9/13/18 11:30	29.93	0.2	0.0	9.3	5.8	85.0	-	-	
12/26/18 10:55	29.97	-	0.0	2.8	9.1	87.1	-	-	

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
GP-29	2/7/11 14:35	30.10	0.06	7.1	12.5	0.0	-	-	-
	2/21/11 13:00	29.89	0.09	3.6	6.9	9.0	-	-	-
	5/11/11 0:00	29.73	-0.03	6.9	12.2	0.3	-	-	-
	5/25/11 0:00	29.7	-0.06	2.4	4.1	12.6	-	-	-
	6/27/11 0:00	29.68	0.11	8.5	13.1	0.0	-	-	-
	9/23/11 0:00	29.99	0.03	7.2	14.2	0.0	-	-	-
	11/17/11 0:00	29.73	-0.22	7.1	12.2	3.7	-	-	-
	12/28/11 0:00	29.95	-0.11	8.1	15.1	0.0	-	-	-
	5/22/13 16:48	29.8	-	7.9	12.5	0.0	-	41.0	-
	6/25/14 13:20	29.79	-	6.6	12.8	0.0	80.4	-	-
	9/2/14 14:10	29.67	-	8.1	16.6	0.5	74.9	-	100.0
	10/13/14 10:55	29.71	0.003	8.5	16.9	0.0	-	-	100.0
	11/6/14 13:39	29.85	-0.047	8.9	14.9	0.0	-	-	-
	1/28/15 14:00	30.03	-	1.0	14.9	0.0	-	-	-
	2/26/15 8:04	30.16	0	1.4	13.3	0.0	-	-	-
	2/26/15 13:41	29.99	0	1.0	9.9	28.0	-	-	-
	5/12/15 9:01	29.69	0	4.9	14.3	0.0	80.8	-	99.0
	11/17/15 0:00	29.58	0	10.6	16.5	0.0	72.8	-	100.0
	12/17/15 10:44	29.73	0	6.2	12.4	0.4	80.8	0.0	100.0
	2/17/16 9:34	29.36	0.000	2.9	12.2	0.0	84.8	0.0	-
	3/1/16 10:20	29.63	0.000	1.3	10.6	0.0	87.9	0.0	-
	3/18/16 10:51	30.02	-	1.7	11.2	0.0	87.0	13.0	13.0
	4/13/16 12:20	30.01	0.000	2.2	9.2	0.0	88.5	0.0	0.0
	5/11/16 12:00	30.01	0.000	1.2	12.2	0.0	86.6	0.0	-
	6/13/16 11:42	29.95	-	0.4	16.1	0.0	83.4	0.0	8.0
	9/26/16 12:26	29.93	-0.009	0.0	15.5	0.0	84.4	0.0	0.0
12/8/16 13:00	29.97	0.000	3.4	17.3	0.0	79.3	1.0	67.0	
3/21/17 9:45	29.67	-0.047	0.9	15.1	0.1	83.8	-	-	
6/2/17 12:30	29.97	-0.038	0.0	147.0	0.1	85.9	0.0	0.0	
9/6/17 10:40	29.78	-0.031	0.0	0.4	20.0	79.6	-	-	
10/19/17 14:18	29.78	-0.031	0.2	18.6	0.0	81.1	-	6.0	
3/9/18 10:00	29.97	0.024	0.0	12.3	0.6	87.1	-	-	
5/21/18 12:59	29.92	0.000	0.0	15.9	0.0	84.0	-	-	
9/13/18 11:15	29.93	0.000	0.8	20.3	0.0	78.7	-	-	
12/26/18 12:01	30.05	-	0.0	13.1	0.6	85.1	-	-	
GP-30	5/11/11 10:01	29.74	0.02	0.0	0.1	20.2	84.4	293.0	0.0
	6/25/14 13:30	29.79	0.00	0.0	2.6	13.0	-	-	-
	9/2/14 14:00	29.67	-	0.0	0.3	21.4	78.6	-	0.0
	10/13/14 11:25	29.71	0	0.0	0.1	20.4	79.4	-	0.0
	2/26/15 11:17	30.1	0.07	0.0	0.2	21.3	-	-	-
	5/12/15 9:20	29.69	0	0.1	0.2	21.0	78.6	-	2.0
	12/17/15 0:00	29.69	-	-	-	-	-	-	-
9/6/17 1:31	-	-	-	0.0	18.2	20.1	82.0	-	-
GP-31	5/11/11 9:22	29.75	0.02	0.0	0.1	19.9	-	-	-
	5/25/11 0:00	29.72	-0.05	0.0	0.1	20.30	-	-	-
	6/27/11 0:00	29.72	0.08	0.0	9.6	6.60	-	-	-
	9/23/11 0:00	29.97	0.05	0.0	14.7	4.40	-	-	-
	11/17/11 0:00	29.61	-0.42	0.0	10.4	7.50	-	-	-
	12/28/11 0:00	29.56	-0.22	0.0	8.0	3.70	-	-	-
	5/22/13 18:18	29.8	-	0.1	0.2	21.5	78.0	12.0	2.0
	6/25/14 13:45	29.79	-	0.0	1.0	17.8	80.5	-	-
	9/2/14 14:40	29.67	-	0.0	11.6	7.2	81.9	-	0.0
	10/13/14 11:55	29.71	0.01	0.0	13.5	4.9	81.4	-	0.0
	2/26/15 11:00	30.1	0.005	0.0	0.5	20.8	-	-	-
	5/12/15 13:10	29.63	0	0.2	9.8	9.0	80.9	-	4.0
	12/17/15 11:40	29.7	-	0.8	0.0	19.9	80.9	0.0	4.0
	3/18/16 11:10	30.02	-	0.0	0.5	20.9	78.6	9.0	0.0
	6/13/16 14:20	29.93	0	0.1	16.2	4.1	79.5	0.0	2.0
	9/26/16 13:25	29.88	0.003	0.0	12.8	5.4	81.6	0.0	0.0
	12/8/16 13:20	29.97	-0.039	0.2	1.1	21.9	76.8	0.0	-
	3/21/17 10:25	29.51	0.043	0.0	0.3	21.2	78.4	-	-
	6/2/17 12:45	29.98	0.151	0.0	0.8	10.9	81.1	0.0	0.0
	10/19/17 14:32	29.47	0.004	0.0	14.6	5.1	80.3	0.0	0.0
3/9/18 9:05	29.99	0.01	0.0	0.4	21.6	77.9	-	-	
5/21/18 13:16	29.92	0	0.0	6.7	12.3	80.9	-	-	
9/13/18 10:52	29.93	0	0.0	15.6	4.1	80.1	-	-	
12/26/18 9:26	-	-	-	0.0	0.3	21.2	78.4	-	-

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)	
				CH ₄	CO ₂	O ₂				
				(% Volume)	(% Volume)	(% Volume)				
GP-32	9/2/14 16:20	29.63	-	0.0	0.1	20.8	79.0	-	0.0	
	10/13/14 13:40	29.63	-	0.0	0.0	20.6	79.4	-	0.0	
	2/26/15 10:40	30.1	0	0.0	0.2	20.9	-	-	-	
	5/12/15 13:25	29.63	0	0.3	0.1	21.5	77.9	-	6.0	
	12/17/15 11:36	29.7	-	0.0	0.2	22.5	77.3	-	6.0	
	3/18/16 11:00	-	Flooded Well Screen							
	6/13/16 16:25	29.91	Flooded Well Screen							
	9/26/16 13:58	29.86	-0.815	0	0	21.4	78.5	-	0	
	12/8/16 13:55	-	Flooded Well Screen							
	3/21/17 10:50	29.51	0.547	0.0	0.5	20.8	78.5	-	-	
	6/2/17 8:00	30.01	-0.057	0.0	0.3	21.6	78.0	0.0	0.0	
	9/6/17 12:39	29.76	-0.047	0.0	0.5	20.1	79.3	-	-	
	10/19/17 16:00	29.76	-0.047	Flooded Well Screen						
	3/9/18 8:34	29.96	-0.103	0	0.4	21.7	77.8	-	-	
	5/21/18 13:40	29.92	0	0	0.4	20.0	79.5	-	-	
9/12/18 13:01	29.83	0	0	0.5	20.1	79.4	-	-		
12/26/18 9:05	30.5	-	0	0.3	20.9	78.7	-	-		
GP-33	5/22/13 12:24	29.84	-0.15	1.5	11.7	3.3	83.5	293.0	29.0	
	6/18/13 11:49	29.82	0	0.0	12.8	5.0	82.1	0.0	0.0	
	6/19/13 11:43	29.01	-0.004	0.0	13.7	4.3	81.9	0.0	0.0	
	6/25/14 16:10	29.72	0.018	0.0	13.7	1.2	85.0	0.0	0.0	
	10/13/14 17:00	29.55	-0.013	4.9	16.5	0.0	78.7	-	97.0	
	11/6/14 16:24	29.93	0.033	0.0	1.2	18.9	-	-	-	
	2/26/15 13:25	30	0.014	0.0	7.2	3.5	-	-	-	
	5/12/15 12:10	29.63	0	7.6	6.5	10.3	75.3	-	100.0	
	12/17/15 12:20	29.69	-0.07	18.7	3.8	0.1	77.4	0.0	100.0	
	3/18/16 9:15	30.03	-	19.8	7.0	0.0	73.1	4.0	-	
	3/18/16 14:00	-	-	18.2	5.5	0.0	76.2	-	-	
	4/13/16 11:55	30.01	0.059	22.0	11.3	0.0	66.6	-	-	
	5/11/16 10:46	30.06	-0.05	4.6	9.7	0.0	85.6	10.0	-	
	6/13/16 15:25	29.92	-0.03	0.0	1.4	20.4	78.1	9.0	0.0	
	6/28/16 11:18	30.09	-0.033	0.1	10.6	0.8	88.4	-	-	
	9/26/16 9:05	29.95	-0.019	0.0	10.6	0.1	89.3	0.0	0.0	
	12/8/16 8:40	30.08	0.023	4.5	4.6	0.0	90.9	0.0	90.0	
	3/21/17 10:12	29.67	0.023	3.5	3.0	2.6	90.7	-	-	
	5/31/17 0:00	-	-	0.0	2.6	8.6	88.7	-	0.0	
	9/6/17 7:56	29.87	-0.265	0.8	10.3	0.0	88.7	-	-	
10/19/17 11:30	29.87	-0.265	0.0	10.0	1.6	88.4	0.0	0.0		
3/9/18 10:59	29.97	0.104	0.0	6.3	4.0	89.6	-	-		
5/21/18 10:41	30.03	0	0.0	6.2	6.6	87.1	-	-		
9/12/18 10:17	29.87	0	0.0	11.6	1.9	86.5	-	-		
12/26/18 9:48	30.5	-	0.0	8.1	4.1	87.8	-	-		
GP-34	5/22/13 13:54	29.81	0.005	22.0	9.2	0.0	-	395.0	-	
	6/18/13 8:21	29.77	0.004	12.1	10.1	0.0	77.7	0.0	-	
	6/25/14 10:40	29.83	0.025	13.7	8.7	0.0	77.8	0.0	-	
	9/2/14 15:40	29.63	0.005	11.6	11.1	0.0	77.3	-	100.0	
	10/13/14 0:00	29.55	0.045	11.9	11.2	0.0	76.9	-	100.0	
	2/26/15 12:40	29.99	0.033	1.5	12.8	0.0	-	-	-	
	5/12/15 10:45	29.69	-0.011	25.7	11.5	0.0	63.0	-	100.0	
	12/17/15 0:00	29.69	Flooded Well Screen							
	5/11/16 11:12	30.06	-0.877	4.7	15.2	0.0	NM	7.0	-	
	6/13/16 14:35	29.92	-0.502	1.1	18.8	0.0	80.1	17.0	0.0	
	9/26/16 9:58	29.93	-0.003	1.5	19.0	0.0	79.5	66.0	29.0	
	12/8/16 9:30	30.05	0.05	6.9	20.0	0.0	73.1	0.0	-	
	3/21/17 12:06	29.78	0.036	1.3	14.3	0.0	84.4	-	-	
	5/31/17 9:35	29.76	-0.076	0.0	16.2	0.0	83.7	0.0	0.0	
	9/6/17 8:16	29.87	0.035	0.0	21.3	0.0	78.6	-	-	
	3/9/18 12:24	29.95	0.163	0.5	15.2	0.0	84.3	-	-	
	5/21/18 11:25	29.98	0	0.0	16.2	0.0	83.8	-	-	
	9/12/18 10:54	29.87	1.3	0.0	9.2	11.8	78.8	-	-	
	12/26/18 11:15	30.5	-	0.0	16.0	0.0	83.1	-	-	

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄	CO ₂	O ₂			
				(% Volume)	(% Volume)	(% Volume)			
GP-35	5/22/13 14:31	29.81	0	3.4	4.7	0.0	-	600.0	70.0
	6/18/13 14:04	29.79	0.006	1.0	4.6	0.0	94.3	0.0	20.0
	6/19/13 8:32	29.81	-0.006	1.6	5.4	0.6	92.4	0.0	30.0
	6/25/14 11:05	29.82	0.022	1.7	4.0	0.0	94.0	0.0	34.0
	9/2/14 10:45	29.71	0.008	4.1	4.9	0.0	90.9	-	81.0
	10/13/14 14:20	29.6	0.02	5.4	5.1	0.0	89.4	-	100.0
	11/6/14 17:02	29.93	-0.041	6.7	5.2	0.0	-	-	-
	2/26/15 12:28	30.1	0	0.9	5.0	0.0	-	-	-
	5/12/15 10:15	29.69	0	2.1	4.9	0.0	93.0	-	41.0
	12/17/15 14:10	29.63	-0.003	9.5	5.3	0.0	85.1	0.0	100.0
	3/18/16 0:00	29.91	-	10.8	4.1	0.0	85.0	-	-
	5/11/16 11:37	30.01	-0.02	8.8	10.1	0.0	81.1	0.0	-
	6/13/16 12:34	29.92	-0.003	4.2	13.4	0.0	8.3	0.0	83.0
	9/26/16 10:15	29.93	-0.005	1.4	12.4	0.0	86.2	0.0	2.0
	12/8/16 9:52	30.05	0.016	3.8	12.4	0.0	83.7	1.0	76.0
	5/31/17 10:00	29.77	-0.067	0.0	11.8	0.0	88.2	0.0	0.0
	3/21/17 12:52	29.76	0.034	3.0	11.5	0.0	88.4	-	-
	9/6/17 8:47	29.84	0.051	0.0	13.9	0.8	85.0	-	-
	10/19/17 12:50	29.84	0.051	0.1	16.0	0.0	83.7	0.0	4.0
	3/9/18 12:39	29.95	0.057	0.0	0.6	20.3	79.0	-	-
5/21/18 11:32	30	0	0.0	0.3	18.9	80.6	-	-	
9/12/18 11:17	29.84	1.8	0.3	15.3	0.0	84.3	-	-	
12/26/18 10:08	30.5	-	2.7	11.6	0.3	85.3	-	-	
GP-36	5/22/13 16:05	29.81	0	0.5	13.4	0.0	-	173.0	12.0
	6/18/13 16:01	29.76	-0.004	0.0	15.0	0.4	84.5	0.0	0.0
	6/19/13 13:10	29.77	-0.006	0.0	15.8	0.6	83.5	0.0	0.0
	6/25/14 11:45	29.82	0.019	0.8	13.8	0.0	85.4	0.0	15.0
	9/2/14 11:35	29.72	0.8	2.2	17.1	0.0	80.7	-	44.0
	10/13/14 14:40	29.6	0.026	4.6	18.9	0.0	76.5	-	91.0
	2/26/15 12:05	30.1	-0.005	0.6	14.8	0.0	-	-	-
	5/12/15 9:50	29.69	0	4.7	14.5	0.0	80.7	-	-
	12/17/15 14:40	29.63	0	2.6	3.9	0.0	80.0	0.0	52.0
	3/18/16 12:29	29.86	0.015	0.0	0.0	19.9	79.9	-	-
	6/13/16 0:00	29.93	0	0.1	0.5	20.6	78.8	0.0	0.0
	9/26/16 10:46	29.93	0.018	0.0	0.0	20.2	79.8	0.0	0.0
	12/8/16 10:23	30.05	0	0.0	0.6	20.7	78.5	0.0	-
	3/21/17 13:17	29.76	0.034	0.0	0.5	19.5	80.4	-	-
	5/31/17 11:00	29.76	-5.134	0.0	0.4	19.8	79.7	0.0	0.0
	9/6/17 9:24	29.82	-8.687	0.0	0.3	19.0	80.6	-	-
	10/19/17 13:18	29.82	-8.687	0.0	0.4	19.0	80.3	0.0	0.0
	3/9/18 13:15	29.95	-0.07	0.0	0.4	19.7	79.7	-	-
	5/21/18 11:50	29.98	0	0.0	0.3	19.1	80.5	-	-
	9/12/18 11:45	29.84	-8.3	0.0	0.3	18.8	80.9	-	-
12/26/18 10:28	30.5	-	0.0	0.3	19.2	79.8	-	-	

Table A-1
Perimeter Probe Compliance Monitoring Data
South Park Landfill Site
Seattle, Washington
Farallon PN: 408-002

Monitoring Location ¹	Start Date and Time ²	Barometric (in. Hg) ³	Well Head Pressure (in. H ₂ O) ⁴	LFG Monitoring Parameters ⁵			Balance Gas (% Volume)	CO (ppm)	LEL (% CH ₄)
				CH ₄ (% Volume)	CO ₂ (% Volume)	O ₂ (% Volume)			
GP-37	3/18/16 9:55	30.03	-	0.0	12.3	4.6	82.9	22.0	-
Gp-38	3/18/16 9:49	30.03	-	0.0	10.7	2.0	87.2	10.0	-
MH-1 (2 ft below rim)	5/22/13 18:28	29.8	-	0.2	0.1	21.3	78.2	36.0	3.0
MH-1 (4 ft below rim)	5/22/13 18:28	29.8	-	0.2	0.0	21.8	77.9	0.0	2.0
MH-1 (6 ft below rim)	5/22/13 18:28	29.8	-	0.1	0.0	21.7	77.9	0.0	2.0
MH-1 (3ft Below rim)	10/13/14 0:00	29.6	-	0.0	0.4	20.3	79.2	-	2.0
MH-1 (4 ft below rim)	3/18/16 15:35	-	-	0.0	0.6	21.0	-	-	-
MH-1 (3ft Below rim)	6/13/16 16:50	-	-	0.0	0.0	20.6	-	-	-
MH-2 (2ft)	5/22/13 18:01	29.8	-	0.2	0.1	20.6	78.4	4.0	3.0
	6/25/14 15:40	29.72	-	0.0	0.0	20.3	79.6	0.0	0.0
	3/18/16 15:30	29.82	-	0.0	0.1	21.3	78.6	-	-
Screening Level				5.0	NA	NA	NA	NA	100

NOTES:

Results in **bold** denote that monitoring results are equal to or exceed the LEL.

- denotes no data available.

¹ Monitoring Locations are those identified for compliance monitoring in the *Interim Action Compliance Monitoring Plan, Appendix C of the Interim Action Work Plan, South Park Landfill Site, Seattle, Washington* dated February 22, 2013, prepared by Farallon Consulting, L.L.C. (Farallon).

² Monitoring data following May 22, 2013 were collected by Farallon. All prior data were collected by Floyd Snider; Aspect Consulting LLC; Associated Earth Sciences, Inc; Herrera Environmental Consultants, Inc.; and King County Solid Waste Division.

³ Barometric pressure data following May 22, 2013 were collected by Farallon using the GEM 2000.

⁴ Well head pressure was measured using the Dwyer 475-2-FM Series 475 MK III Handheld Digital Manometer.

⁵ All data following May 22, 2013 were collected by Farallon using the GEM 2000, calibrated prior to monitoring.

% = percent
 CH₄ = methane
 CO = carbon monoxide
 CO₂ = carbon dioxide
 H₂O = water
 Hg = mercury
 in. = inches
 LEL = lower explosive limit
 LFG = landfill gas
 O₂ = oxygen
 ppm = parts per million