



CSS ENVIRONMENTAL SERVICES, INC.
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November 19, 2015

Mr. Greg Schirle
San Mateo County Health Services Agency
County Government Center
455 County Center
Redwood City, CA 94063

**Subject: Quarterly Landfill Gas Monitoring Report – 3rd Quarter 2015
Former Oyster Point Landfill, South San Francisco, CA**

Dear Mr. Schirle:

CSS Environmental Services, Inc. (CSS) is contracted by the City of South San Francisco to perform compliance monitoring for the former Oyster Point Landfill. In September of 2015 CSS performed quarterly monitoring for landfill gas at the perimeter monitoring wells. Attached you will find a site plan, Figure 1, showing the Landfill Monitoring Point Locations. The current and past results of quarterly monitoring and detailed monitoring at LFG-3 are included in the attached Table 1 and Table 2, respectively.

This report includes the results of quarterly landfill gas measurements in 10 perimeter wells: LFG-1 through LFG-10. In addition, landfill gas measurements are presented for landfill gas remediation trenches installed along Gull Drive (PVT-1) and Oyster Point Blvd (PVT-2) and a passive landfill gas remediation well (PVW-1). For the latter two points and nearby perimeter well LFG-3, detailed monitoring was performed including monthly measurements through the third quarter of 2008. Due to elevated methane concentrations at LFG-3, passive venting trench PVT-2 and venting well PVW-1 were installed nearby in September 2007. Following their installation, methane concentrations declined to less than 5% for the last 6 months of monthly monitoring (see Table 2), leading the City to revert to quarterly sampling of LFG-3 as described in correspondence from the City of South San Francisco on September 30, 2008. During 2010 landfill gas concentrations in excess of 5% were found twice: during the first quarter a concentration of 7.7% was found in LFG-9 near passive venting trench PVT-1 and during the second quarter a concentration of 6.0% was found in LFG-3. Methane concentrations subsequently declined to below the regulatory limit of 5% methane (see Table 1) in all perimeter monitoring wells. During the first and second quarters of 2011, methane again was found at elevated concentrations of 7.4% and 5.2% in LFG-9. In response, passive wind turbines were installed during the third quarter 2011 at the exhaust of both venting trenches PVT-1 and PVT-2 to encourage landfill gas abatement. Methane concentrations again declined to below the regulatory limit of 5% methane in all perimeter monitoring wells through the first quarter 2013 monitoring. During the second quarter of 2013 the methane concentration at LFG-3 was again above 5% but has since declined to and there were no elevated methane concentrations in perimeter monitoring wells during the third quarter 2015.

At your request, we began landfill gas monitoring of an off-site groundwater monitoring well on a nearby undeveloped property (560 Eccles Ave) owned by Gull Avenue LLC during the fourth quarter of 2011. The well is located about 5-feet west of the curb along Gull Drive. This well (MW-5), and four others were installed by Environ for Alexandria Real Estate in 2008 to monitor conditions at a former burn dump (not the former Oyster Point Landfill) and therefore we consider that any landfill gases therein are likely to be associated with that former land use. During the fourth quarter of 2011, well MW-5 was found to have a methane concentration of 12%, and methane was consistently above 5% until CSS installed a passive wind



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turbine in early 2014, which has since successfully abated the methane concentration in MW-5 to well below 5%.

The City of South San Francisco is continuing to follow up on your request for information regarding structure sensors in the buildings. Those under the control of the San Mateo County Harbor District; the Harbormaster's office and the free-standing restrooms, have operating sensors that are inspected and maintained weekly by Harbor District personnel. During the third quarter of 2015 the Harbor District reported that no sensor alarms were triggered in these buildings. I am attaching records provided by the Harbor District for the third quarter. Other buildings have sensors that do not appear to be maintained. We believe that structure sensors will need to be replaced in five buildings and the City is working with their master tenant to accomplish this.

If you have any questions or comments regarding this report, please do not hesitate to call the undersigned at (415) 883-6203.

Sincerely,

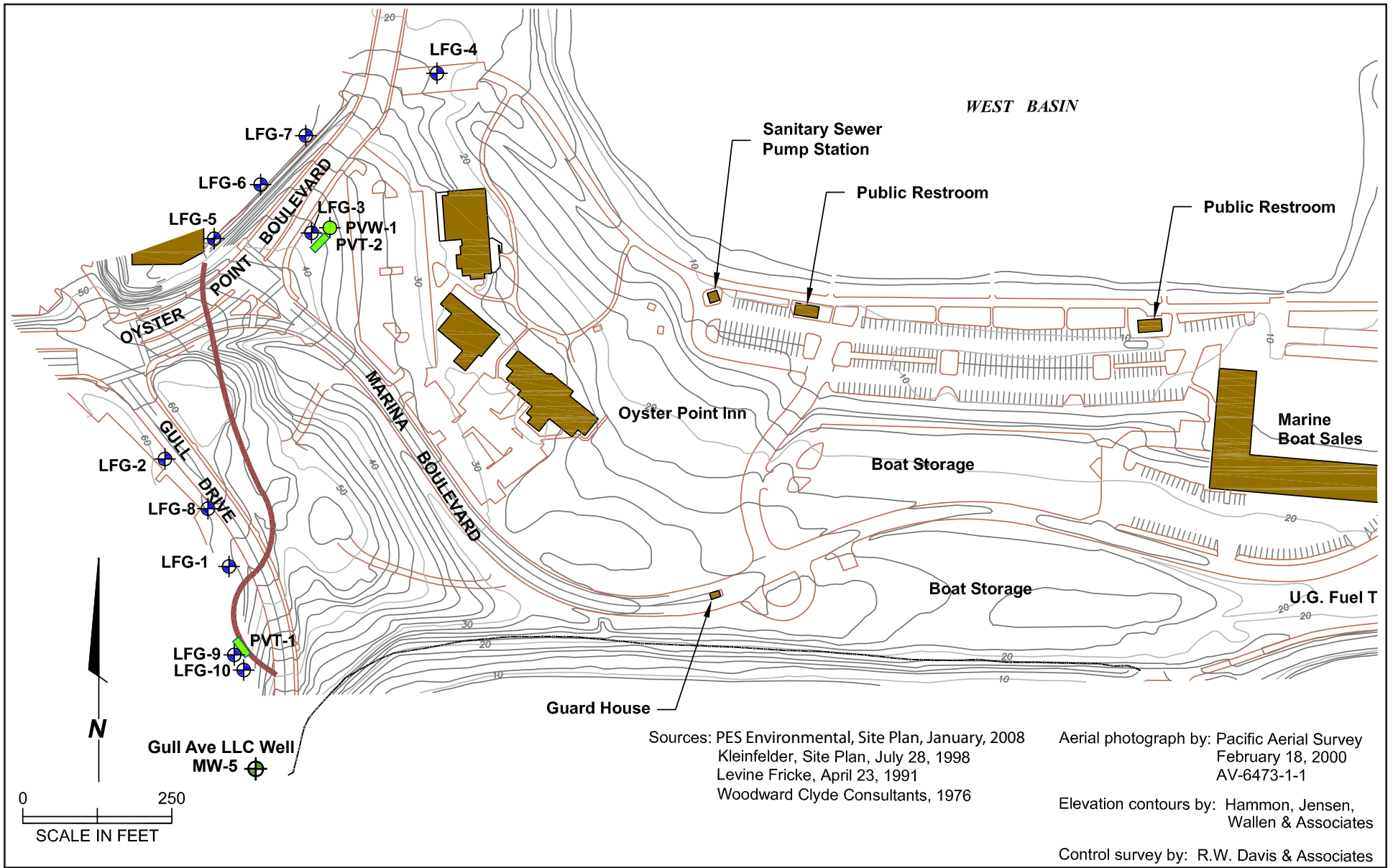
CSS ENVIRONMENTAL SERVICES, INC.

A handwritten signature in black ink, appearing to read 'A. Stessman', written over a white background.

Aaron N. Stessman, PE C054644
Principal Engineer

Attachments

Cc: Mr. Robert T. Hahn, City of South San Francisco
Ms. Vic Pal, Regional Water Quality Control Board
Mr. Frank Davies, Jr., California IWMB



Explanation	
	Location of Landfill Gas Perimeter Monitoring Well
	Passive Landfill Gas Venting Trench
	Passive Landfill Gas Venting Well
	Approximate Extent of Landfill Cap

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LANDFILL GAS MONITORING LOCATIONS			
Former Oyster Point Landfill South San Francisco, CA			
JOB NO. 6551	DATE Oct '08	BY AS	REVISED Jan '12

FIGURE
1

Table 1
 Landfill Gas Perimeter Monitoring Results
 Oyster Point Landfill
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-1	4/22/2003	0	0.0	0.5	0.9	7.0	91.6	10	2.4	1.0	---
		258	4.3	0.4	1.1	7.0	91.5	8	nm	nm	---
		516	8.6	0.3	1.4	4.0	94.3	6	nm	nm	---
		774	12.9	0.3	1.6	2.8	95.3	6	-81.3	1.0	---
	11/14/2003	0	0.0	0.0	0.9	18.5	80.3	0	-1.0	0.5	17.01
		312	2.6	0.0	2.8	17.1	80.0	0	nm	nm	---
		624	5.2	0.0	2.0	18.2	79.8	0	nm	nm	---
		936	7.8	0.0	1.8	18.5	79.9	0	nm	nm	---
	2/11/2004	0	0.0	0.0	1.4	4.0	94.6	0	1.6	0.5	17.58
		324	2.7	0.0	2.3	14.9	82.9	0	nm	nm	---
		648	5.4	0.0	2.1	13.8	82.5	0	nm	nm	---
		972	8.1	0.0	2.4	14.1	82.8	0	-49.5	0.5	---
	5/12/2004	0	0.0	0.0	0.0	19.3	81.4	0	2.7	0.5	12.91
		240	2.0	0.0	0.7	15.0	84.3	0	nm	nm	---
		480	4.0	0.0	0.7	14.7	84.8	0	nm	nm	---
		720	6.0	0.0	0.8	14.7	84.9	0	-20.2	0.5	---
	7/22/2004	0	0.0	0.0	2.4	16.8	80.8	0	0.0	0.5	15.40
		900	7.5	0.0	2.7	17.2	80.1	0	-2.8	0.5	---
	8/31/2004	0	0.0	0.0	3.4	17.4	79.2	0	0.0	0.5	16.35
		900	7.5	0.0	2.0	18.7	79.3	0	-1.8	0.5	---
	11/17/2004	0	0.0	0.0	3.1	18.5	87.4	0	0.0	0.5	17.87
		900	7.5	0.0	3.0	13.1	83.9	0	-0.5	0.5	---
	2/2/2005	0	0.0	0.0	2.5	9.3	88.2	0	5.5	0.5	18.02
		900	7.5	0.0	2.5	9.7	87.8	0	-70.6	0.5	---
	5/18/2005	0	0.0	0.0	0.0	18.9	81.1	0	-0.1	0.5	14.03
		900	7.5	0.0	0.6	19.1	80.3	0	-10.1	0.5	---
	8/10/2005	0	0.0	0.1	1.3	17.7	80.9	2	-1.8	0.5	14.28
		900	7.5	0.1	2.3	17.6	80.0	2	-1.9	0.5	---
	11/30/2005	0	0.0	0.0	0.1	21.5	87.4	0	-1.6	0.5	17.00
		900	7.5	0.0	2.1	20.6	77.3	0	-1.6	0.5	---
	2/17/2006	0	0.0	0.0	2.3	16.9	80.8	0	-1.3	0.5	14.06
		900	7.5	0.0	1.0	19.1	79.9	0	-1.3	0.5	---
	5/26/2006	0	0.0	0.3	1.8	12.5	85.4	5	-1.1	0.5	9.80
		900	7.5	0.1	2.3	4.4	93.2	1	-20.7	0.5	---
	8/25/2006	0	0.0	0.0	2.9	17.8	79.3	0	nm ⁽²⁾	0.5	14.13
		900	7.5	0.1	3.1	18.6	78.2	1	nm ⁽²⁾	0.5	---
	11/22/2006	0	0.0	0.0	2.0	17.8	80.2	0	-0.04	0.5	16.33
		900	7.5	0.0	2.8	18.4	78.8	0	-0.04	0.5	---
	2/17/2007	0	0.0	0.0	2.3	11.7	86.0	0	0.31	0.5	17.73
		900	7.5	0.0	2.6	8.4	89.0	0	0.31	0.5	---
	5/31/2007	0	0.0	0.0	0.1	20.2	79.7	0	nm	0.5	15.30
		900	7.5	0.0	3.2	13.9	82.9	0	nm	0.5	---
	8/31/2007	0	0.0	0.0	3.0	17.7	79.3	0	nm	0.5	16.87
		900	7.5	0.0	3.7	17.1	79.2	0	-13.3	0.5	---
	11/30/2007	0	0.0	0.0	0.7	19.7	79.6	0	nm	0.5	18.33
		900	7.5	0.0	3.3	18.2	78.5	0	-13.4	0.5	---
	2/14/2008	0	0.0	0.0	2.0	18.4	79.6	0	nm	0.5	19.14
		900	7.5	0.0	3.2	17.0	79.8	0	nm	0.5	---
	5/12/2008	0	0.0	0.0	1.0	18.6	80.4	0	nm	0.5	15.30
		900	7.5	0.0	1.8	16.4	81.8	0	-12.9	0.5	---
	7/15/2008	0	0.0	0.0	0.8	20.7	78.5	0	-0.4	0.5	16.35
		600	5.0	0.0	3.9	17.7	78.4	0	-0.4	0.5	---
	10/29/2008	0	0.0	0.0	0.6	20.1	79.3	0	-0.2	0.5	18.43
		600	5.0	0.0	4.0	17.7	78.3	0	-0.2	0.5	---
	1/30/2009	0	0.0	0.0	0.5	21.1	78.4	0	-0.24	0.5	19.85
		600	5.0	0.0	2.8	17.6	79.6	0	-0.24	0.5	---
	4/21/2009	0	0.0	0.0	0.0	16.3	83.7	0	-0.60	0.5	19.98
		600	5.0	0.0	2.6	8.3	89.1	0	-1.45	0.5	---
	7/23/2009	0	0.0	0.0	0.1	21.6	78.3	0	-0.3	0.5	19.93
		600	5.0	0.0	3.9	18.2	77.9	0	-0.3	0.5	---
	10/22/2009	0	0.0	0.0	0.1	19.9	80.0	0	0.0	0.5	20.29
		600	5.0	0.0	3.1	16.0	80.9	0	-0.14	0.5	---
	2/3/2010	0	0.0	0.0	0.0	20.7	79.3	0	0.0	0.5	21.18
		600	5.0	0.0	3.4	12.7	83.9	0	-0.63	0.5	---
	5/21/2010	0	0.0	0.2	0.0	19.8	80.0	4	0.0	0.5	19.45
		600	5.0	0.2	3.2	9.6	87.0	4	-20.0	0.5	---
	7/21/2010	0	0.0	0.0	0.0	19.4	80.6	0	0.0	0.5	17.80
		600	5.0	0.0	4.3	11.8	83.9	0	-2.5	0.5	---
	10/1/2010	0	0.0	0.0	0.0	20.1	79.9	0	0.0	0.5	17.12
		600	5.0	0.0	4.4	17.0	78.6	0	0.0	0.5	---

Table 1
Landfill Gas Perimeter Monitoring Results
Oyster Point Landfill
South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-1 (Cont.)	1/21/2011	0	0.0	0.0	0.1	21.6	78.3	0	0.0	0.5	18.15
		600	5.0	0.0	3.4	12.5	84.1	0	-8.5	0.5	---
	4/21/2011	0	0.0	0.0	0.0	21.0	79.0	0	0.0	0.5	7.95
		600	5.0	0.0	1.5	15.0	83.5	0	-41.0	0.5	---
	7/8/2011	0	0.0	0.0	0.0	21.5	78.5	0	0.0	0.5	12.90
		600	5.0	0.0	4.1	6.2	89.7	0	-4.5	0.5	---
	10/26/2011	0	0.0	0.0	0.1	21.5	78.4	0	0.0	0.5	15.25
		600	5.0	0.0	4.7	18.0	77.3	0	-1.0	0.5	---
	1/13/2012	0	0.0	0.0	0.0	22.3	77.7	0	0.0	0.5	16.75
		600	5.0	0.0	2.8	20.0	77.2	0	-1.2	0.5	---
	4/18/2012	0	0.0	0.0	0.0	20.5	79.5	0	0.0	0.5	17.81
		600	5.0	0.0	3.0	13.6	83.4	0	-60.0	0.5	---
	7/13/2012	0	0.0	0.0	0.0	20.9	79.1	0	0.0	0.5	14.78
		600	5.0	0.0	4.5	12.2	83.3	0	-5.0	0.5	---
	10/29/2012	0	0.0	0.0	0.0	20.8	79.2	0	0.0	0.5	16.60
		600	5.0	0.0	4.4	17.7	77.9	0	-2.0	0.5	---
	2/1/2013	0	0.0	0.0	0.2	20.8	79.0	0	0.0	0.5	13.25
		600	5.0	0.0	3.7	12.7	83.6	0	-4.0	0.5	---
	6/4/2013	0	0.0	0.0	0.0	20.5	79.5	0	0.0	0.5	14.77
		600	5.0	0.0	4.0	13.6	82.4	0	-3.5	0.5	---
9/9/2013	0	0.0	0.1	0.1	18.7	81.1	1	0.0	0.5	16.37	
	600	5.0	0.0	4.6	16.4	79.0	0	-1.5	0.5	---	
11/25/2013	0	0.0	0.0	0.1	20.8	79.1	1	0.0	0.5	17.66	
	600	5.0	0.0	3.9	18.2	77.9	0	-3.0	0.5	---	
2/4/2014	0	0.0	0.0	0.1	21.0	78.9	0	0.0	0.5	18.71	
	600	5.0	0.0	4.1	13.5	82.4	0	-3.5	0.5	---	
5/19/2014	0	0.0	0.0	0.1	21.0	78.9	0	0.0	0.5	19.93	
	600	5.0	0.0	3.9	17.7	78.4	0	-2.5	0.5	---	
9/30/2014	0	0.0	0.0	nm	21.0	79.0	0	0.0	0.5	17.51	
	600	5.0	0.0	nm	13.7	86.3	0	-2.5	0.5	---	
12/22/2014	0	0.0	0.0	nm	20.9	79.1	0	nm	0.5	20.90	
	600	5.0	0.0	nm	18.0	82.0	0	nm	0.5	---	
3/11/2015	0	0.0	0.0	nm	20.9	79.1	0	nm	0.5	17.93	
	600	5.0	0.0	nm	18.1	81.9	0	nm	0.5	---	
6/23/2015	0	0.0	0.0	nm	20.5	79.5	0	-0.8	0.5	18.45	
	600	5.0	0.0	nm	17.7	82.3	0	-0.8	0.5	---	
9/22/2015	0	0.0	0.0	nm	17.6	82.4	0	-6.0	0.5	21.03	
	600	5.0	0.0	nm	16.6	83.4	0	-6.0	0.5	---	
LFG-2	4/22/2003	0	0.0	4.7	0.3	2.3	92.7	94	1.9	1.0	---
		324	5.4	2.2	0.6	3.1	94.2	44	nm	nm	---
		648	10.8	0.1	0.7	3.5	95.7	2	nm	nm	---
	11/14/2003	972	16.2	0.2	0.4	5.1	94.3	4	-24.2	0.7	---
		0	0.0	0.0	0.7	10.4	91.3	0	-1.2	0.5	dry
		648	5.4	0.0	1.6	5.0	93.2	0	nm	0.5	---
	2/11/2004	1296	10.8	0.0	1.5	8.4	90.9	0	nm	0.5	---
		1944	16.2	0.0	1.9	7.5	90.6	0	-30.1	0.5	---
		0	0.0	0.0	0.3	20.5	72.5	0	1.5	0.5	dry
	5/12/2004	648	5.4	0.0	1.4	3.7	94.7	0	nm	0.5	---
		1296	10.8	0.0	1.7	4.5	92.3	0	nm	0.5	---
		1944	16.2	0.0	1.9	5.0	91.9	0	-37.2	0.5	---
	7/22/2004	0	0.0	0.1	0.0	19.0	81.3	2	0.8	0.5	30.87
		576	4.8	0.0	0.9	3.8	95.4	0	nm	0.5	---
		1152	9.4	0.1	0.8	5.2	93.9	2	nm	0.5	---
	8/31/2004	1728	14.4	0.0	0.5	6.3	93.3	0	-34.9	0.5	---
		0	0.0	0.0	0.0	9.0	90.0	0	0.0	0.5	31.52
		1800	15.0	0.0	1.8	7.2	91.0	0	-27.2	0.5	---
	11/17/2004	0	0.0	0.0	1.4	8.4	90.2	0	0.0	0.5	31.91
		1800	15.0	0.0	1.9	9.0	89.1	0	-30.0	0.5	---
0		0.0	0.0	2.5	9.3	88.2	0	0.0	0.5	32.13	
2/2/2005	1800	15.0	0.0	2.7	8.4	88.9	0	-9.8	0.5	---	
	0	0.0	0.0	0.3	17.6	82.1	0	-2.3	0.5	27.70	
	1800	15.0	0.0	1.7	9.0	89.3	0	-29.0	0.5	---	
5/18/2005	0	0.0	0.0	2.2	10.5	87.3	0	-0.3	0.5	31.02	
	1800	15.0	0.0	0.1	19.2	80.7	0	-15.5	0.5	---	
	0	0.0	0.0	0.5	19.0	80.5	0	-2.1	0.5	28.65	
8/10/2005	1800	15.0	0.0	0.2	19.1	80.7	0	-4.7	0.5	---	
	0	0.0	0.0	1.0	18.0	81.0	0	-1.6	0.5	30.65	
	1800	15.0	0.0	0.8	19.6	79.6	0	-1.6	0.5	---	
2/17/2006	0	0.0	0.0	1.3	13.8	84.9	0	-1.3	0.5	27.63	
	1800	15.0	0.7	1.0	13.8	84.5	14	-1.3	0.5	---	

Table 1
Landfill Gas Perimeter Monitoring Results
Oyster Point Landfill
South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-2 (Cont.)	5/26/2006	0	0.0	0.0	1.3	14.5	84.2	0	-1.0	0.5	24.07
		1800	15.0	0.0	0.4	18.3	81.3	0	-13.7	0.5	---
	8/25/2006	0	0.0	0.1	1.2	16.5	82.2	1	nm ⁽²⁾	0.5	27.46
		1800	15.0	0.1	0.7	17.7	81.5	1	nm ⁽²⁾	0.5	---
11/22/2006		0	0.0	0.1	1.4	16.4	82.1	1	-0.04	0.5	28.85
		1800	15.0	0.0	1.1	18.0	80.9	0	-0.04	0.5	---
2/17/2007		0	0.0	0.0	1.3	17.3	81.4	0	0.31	0.5	28.40
		1800	15.0	0.0	1.5	15.3	83.2	0	0.31	0.5	---
5/31/2007		0	0.0	0.0	1.0	17.5	81.5	0	nm	0.5	28.84
		1800	15.0	0.0	1.0	16.2	82.8	0	nm	0.5	---
8/31/2007		0	0.0	0.0	0.9	16.2	82.9	0	nm	0.5	32.70
		1800	15.0	0.0	1.0	15.8	83.2	0	-20.2	0.5	---
11/30/2007		0	0.0	0.0	1.0	17.7	81.3	0	nm	0.5	30.62
		1800	15.0	0.0	1.0	17.6	81.4	0	-11.6	0.5	---
2/14/2008		0	0.0	0.0	1.1	16.7	82.2	0	nm	0.5	27.84
		1800	15.0	0.0	1.0	16.9	82.1	0	nm	0.5	---
5/12/2008		0	0.0	0.0	0.9	17.8	81.3	0	nm	0.5	28.30
		1800	15.0	0.0	0.8	17.9	81.3	0	-19.6	0.5	---
7/15/2008		0	0.0	0.0	0.1	21.7	78.2	0	nm	0.5	29.53
		1800	15.0	0.0	1.7	14.3	84.0	0	-13	0.5	---
10/29/2008		0	0.0	0.0	0.1	20.4	79.5	0	-3	0.5	31.10
		1800	15.0	0.0	1.9	14.1	84.0	0	-13	0.5	---
1/30/2009		0	0.0	0.0	0.4	20.8	78.8	0	-3	0.5	30.59
		1800	15.0	0.0	1.8	17.5	80.7	0	-12.75	0.5	---
4/21/2009		0	0.0	0.0	0.0	17.4	82.6	0	-1.5	0.5	28.79
		1800	15.0	0.0	1.6	9.6	88.8	0	-10	0.5	---
7/23/2009		0	0.0	0.0	0.0	21.9	78.1	0	-2.0	0.5	30.17
		1800	15.0	0.0	2.4	12.6	85.0	0	-9.0	0.5	---
10/22/2009		0	0.0	0.0	0.1	20.4	79.5	0	0.0	0.5	31.10
		1800	15.0	0.0	2.2	9.8	88.0	0	-10.5	0.5	---
2/3/2010		0	0.0	0.0	0.0	20.4	79.6	0	0.0	0.5	27.18
		1800	15.0	0.0	2.2	12.2	85.6	0	-9.5	0.5	---
5/21/2010		0	0.0	0.2	0.0	20.3	79.5	4	0.0	0.5	26.23
		1800	15.0	0.2	2.3	8.7	88.8	3	-17.5	0.5	---
7/21/2010		0	0.0	0.0	0.0	19.6	80.4	0	0.0	0.5	27.76
		1800	15.0	0.0	1.4	11.9	86.7	0	-14.0	0.5	---
10/1/2010		0	0.0	0.0	0.0	20.6	79.4	0	0.0	0.5	29.35
		1800	15.0	0.0	2.0	11.0	87.0	0	-12.5	0.5	---
1/21/2011		0	0.0	0.0	0.1	20.7	79.2	0	0.0	0.5	25.86
		1800	15.0	0.0	1.5	14.5	84.0	0	-18.3	0.5	---
4/21/2011		0	0.0	0.0	0.0	21.5	78.5	0	0.0	0.5	23.38
		1800	15.0	0.0	0.2	20.0	79.8	0	-14.0	0.5	---
7/8/2011		0	0.0	0.0	0.0	21.6	78.4	0	0.0	0.5	25.93
		1800	15.0	0.0	0.4	20.1	79.5	0	-7.0	0.5	---
10/26/2011		0	0.0	0.0	0.0	21.3	78.7	0	0.0	0.5	28.71
		1800	15.0	0.0	1.8	17.3	80.9	0	-11.5	0.5	---
1/13/2012		0	0.0	0.0	0.0	21.6	78.4	0	0.0	0.5	29.40
		1800	15.0	0.0	1.5	20.1	78.4	0	-12.0	0.5	---
4/18/2012		0	0.0	0.0	0.0	21.1	78.9	0	0.0	0.5	27.40
		1800	15.0	0.0	1.9	14.2	83.9	0	-14.0	0.5	---
7/13/2012		0	0.0	0.0	0.0	21.3	78.7	0	0.0	0.5	28.18
		1800	15.0	0.0	1.8	13.1	85.1	0	-12.0	0.5	---
10/29/2012		0	0.0	0.0	0.0	21.0	79.0	0	0.0	0.5	29.99
		1800	15.0	0.0	2.4	15.8	81.8	0	-1.0	0.5	---
2/1/2013		0	0.0	0.0	0.2	20.7	79.1	0	0.0	0.5	24.62
		1800	15.0	0.0	0.8	18.1	81.1	0	-13.0	0.5	---
6/4/2013		0	0.0	0.0	0.0	20.4	79.6	0	0.0	0.5	27.80
		1800	15.0	0.0	1.6	15.6	82.8	0	-14.0	0.5	---
9/9/2013		0	0.0	0.1	0.1	20.1	79.7	0	0.0	0.5	29.70
		1800	15.0	0.1	2.2	12.3	85.4	0	-7.0	0.5	---
11/25/2013		0	0.0	0.0	0.1	20.9	79.0	0	0.0	0.5	30.70
		1800	15.0	0.0	2.9	15.3	81.8	0	-6.0	0.5	---
2/4/2014		0	0.0	0.0	0.1	20.9	79.0	0	0.0	0.5	31.10
		1800	15.0	0.0	1.9	16.9	81.2	0	-10.2	0.5	---
5/19/2014		0	0.0	0.0	0.1	20.9	79.0	0	0.0	0.5	29.37
		1800	15.0	0.0	2.5	15.7	81.8	0	-8.0	0.5	---

Table 1
Landfill Gas Perimeter Monitoring Results
Oyster Point Landfill
South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-2 (Cont.)	9/30/2014	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	dry
		1800	15.0	0.0	nm	19.7	80.3	0	nm	0.5	---
	12/22/2014	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	dry
		1800	15.0	0.0	nm	14.7	85.3	0	nm	0.5	---
	3/11/2015	0	0.0	0.0	nm	20.9	79.1	0	nm	0.5	dry
		1800	15.0	0.0	nm	15.1	84.9	0	nm	0.5	---
	6/23/2015	0	0.0	0.0	nm	20.8	79.2	0	-0.2	0.5	20.65
		1800	15.0	0.0	nm	15.9	84.1	0	-0.25	0.5	---
	9/22/2015	0	0.0	0.0	nm	20.8	79.2	0	0.0	0.5	29.41
		1800	15.0	0.0	nm	12.7	87.3	0	-2.2	0.5	---
LFG-3	4/22/2003	0	0.0	40.2	5.3	0.4	54.1	>100	1.4	1.0	---
		234	3.9	26.3	4.8	1.7	67.2	>100	nm	nm	---
		468	7.8	44.4	7.9	1.1	46.6	>100	nm	nm	---
	11/14/2003	702	11.7	61.1	10.3	1.0	27.6	>100	-95.0	0.8	---
		0	0.0	0.0	4.2	17.2	63.6	0	-1.1	0.5	21.62
		396	3.3	61.6	12.0	1.4	25.5	>100	nm	0.5	---
	2/11/2004	792	6.6	57.5	14.0	2.4	25.6	>100	nm	0.5	---
		1188	9.9	59.0	15.0	2.1	24.1	>100	-31.6	0.5	---
		0	0.0	0.0	2.2	15.0	82.8	0	1.8	0.5	10.75
	5/12/2004	204	1.7	4.0	0.4	19.9	76.6	80	nm	0.5	---
		408	3.4	1.3	0.0	20.6	78.0	26	nm	0.5	---
		612	5.1	1.6	0.0	20.5	77.9	32	-18.5	0.5	---
	8/31/2004	0	0.0	41.5	1.8	9.2	44.6	>100	2.8	0.5	17.04
		312	2.6	14.0	2.2	15.8	67.8	>100	nm	0.5	---
		624	5.2	13.7	2.0	17.3	67.2	>100	nm	0.5	---
	11/17/2004	936	7.8	14.2	2.2	17.3	66.5	>100	-18.8	0.5	---
		0	0.0	8.9	3.1	16.7	71.3	>100	0.2	0.5	20.64
		900	7.5	2.7	1.1	19.5	76.7	54	-10.8	0.5	---
	2/2/2005	0	0.0	41.0	13.6	3.4	42.0	>100	0.0	0.5	19.01
		900	7.5	71.0	18.0	0.0	11.0	>100	-23.3	0.5	---
		0	0.0	45.0	9.8	5.1	60.1	>100	1.9	0.5	9.78
	5/18/2005	900	7.5	0.0	0.0	20.8	79.2	0	-28.8	0.5	---
		0	0.0	71.8	15.4	0.0	12.8	>100	0.1	0.5	15.94
		900	7.5	79.9	20.1	0.0	0.0	>100	-30.2	0.5	---
	8/10/2005	0	0.0	62.7	14.5	1.8	21.0	>100	-2.1	0.5	18.05
		900	7.5	52.3	14.2	4.7	28.8	>100	-2.1	0.5	---
		0	0.0	74.5	16.8	2.6	6.1	>100	-1.6	0.5	21.32
	11/30/2005	900	7.5	60.4	13.9	4.7	21.0	>100	-1.6	0.5	---
		0	0.0	67.8	12.6	2.7	16.9	>100	-1.5	0.5	17.71
		900	7.5	43.2	8.3	6.6	41.9	>100	-1.5	0.5	---
	5/26/2006	0	0.0	74.0	13.1	0.2	12.7	>100	-1.0	0.5	12.50
		900	7.5	81.4	17.7	0.0	0.9	>100	-47.3	0.5	---
		0	0.0	35.4	8.7	11.0	44.9	>100	nm ⁽²⁾	0.5	19.71
	8/25/2006	900	7.5	15.7	3.2	17.4	63.7	>100	nm ⁽²⁾	0.5	---
		0	0.0	1.7	15.4	11.7	71.2	34	0.38	0.5	21.75
		900	7.5	65.4	15.5	1.7	17.4	>100	0.38	0.5	---
	2/17/2007	0	0.0	68.3	13.7	0.0	18.0	>100	0.31	0.5	16.75
		900	7.5	15.4	3.3	16.2	65.1	>100	0.31	0.5	---
		0	0.0	0.0	0.2	21.2	78.6	0	nm	0.5	18.80
	5/31/2007	900	7.5	72.3	15.1	0.0	12.6	>100	nm	0.5	---
		0	0.0	0.0	11.2	5.1	36.4	>100	nm	0.5	22.38
		900	7.5	72.3	17.2	0.0	14.8	>100	-34.0	0.5	---
	11/30/2007	0	0.0	5.5	9.7	5.1	79.7	>100	nm	0.5	21.46
		900	7.5	7.2	15.9	0.0	76.9	>100	-32.7	0.5	---
		0	0.0	0.5	6.2	5.5	87.8	10	nm	0.5	9.47
	2/14/2008	900	7.5	0.5	4.4	10.9	84.2	10	nm	0.5	---
		0	0.0	0.0	3.3	15.0	81.7	0	nm	0.5	17.60
		900	7.5	2.4	8.6	6.8	82.2	48	-50.6	0.5	---
	7/15/2008	0	0.0	0.1	6.0	13.2	80.7	1	nm	0.5	21.16
		900	7.5	0.2	10.4	5.7	83.7	4	<-50	0.5	---
0		0.0	0.0	14.5	0.0	85.5	0	-5.0	0.5	23.81	
10/29/2008	900	7.5	0.0	1.4	17.5	81.1	0	-12.5	0.5	---	
	0	0.0	0.0	6.5	13.1	80.4	0	-7.0	0.5	19.60	
	900	7.5	0.0	10.5	4.0	85.5	0	<-20	0.5	---	
4/21/2009	0	0.0	0.0	0.0	20.5	79.5	0	-3.0	0.5	13.85	
	900	7.5	0.3	9.9	1.2	88.6	6	<-20	0.5	---	
	0	0.0	0.0	2.0	19.4	78.6	0	-6.0	0.5	19.15	
7/23/2009	900	7.5	0.4	13.1	0.0	86.5	8	-45.0	0.5	---	
	0	0.0	0.0	0.1	19.4	80.5	0	0.0	0.5	19.19	
	900	7.5	0.0	0.2	19.4	80.4	0	-23.0	0.5	---	

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 Oyster Point Landfill
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-3 (Cont.)	2/3/2010	0	0.0	0.0	0.1	20.1	79.8	0	0.0	0.5	8.21
		900	7.5	0.0	0.3	19.9	79.8	0	-25	0.5	---
	5/21/2010	0	0.0	0.2	0.0	19.3	80.5	3	0	0.5	11.40
		900	7.5	6.0	8.5	4.3	81.2	>100	-65	0.5	---
	7/21/2010	0	0.0	0.0	0.0	17.6	82.4	0	0	0.5	16.73
		900	7.5	2.2	5.4	9.0	83.4	44	-37	0.5	---
	10/1/2010	0	0.0	0.0	0.0	20.0	80.0	0	0	0.5	18.71
		900	7.5	2.2	13.1	0.1	84.6	44	-40	0.5	---
	1/21/2011	0	0.0	0.0	0.1	20.6	79.3	0	0	0.5	10.81
		900	7.5	0.0	8.9	5.8	85.3	0	-85	0.5	---
	4/21/2011	0	0.0	0.0	0.0	20.5	79.5	0	0	0.5	7.46
		900	7.5	0.0	0.1	20.3	79.6	0	-80	0.5	---
	7/8/2011	0	0.0	0.0	0.0	20.6	79.4	0	0	0.5	15.22
		900	7.5	0.1	8.0	2.2	89.7	0	-72	0.5	---
	10/26/2011	0	0.0	0.0	0.1	21.0	78.9	0	0	0.5	19.23
		900	7.5	0.0	7.7	8.9	83.4	0	-47	0.5	---
	1/13/2012	0	0.0	0.0	0.0	21.7	78.3	0	0	0.5	19.90
		900	7.5	0.0	4.4	14.0	81.6	0	-37	0.5	---
	4/18/2012	0	0.0	0.0	0.0	20.0	80.0	0	0	0.5	11.36
		900	7.5	0.0	0.2	19.7	80.1	0	-61	0.5	---
7/13/2012	0	0.0	0.0	0.0	21.1	78.9	0	0	0.5	17.93	
	900	7.5	0.0	6.0	10.9	83.1	0	-60	0.5	---	
10/29/2012	0	0.0	0.0	0.0	21.0	79.0	0	0	0.5	21.07	
	900	7.5	0.0	10.8	6.0	83.2	0	-50	0.5	---	
2/1/2013	0	0.0	0.0	0.2	20.7	79.1	0	0	0.5	12.65	
	900	7.5	0.0	0.9	18.7	80.4	0	-65	0.5	---	
6/4/2013	0	0.0	0.0	0.0	20.4	79.6	0	0	0.5	19.52	
	900	7.5	14.7	5.6	11.8	67.9	>100	-54	0.5	---	
9/9/2013	0	0.0	0.1	0.1	20.4	79.4	0	0	0.5	21.05	
	900	7.5	1.7	5.2	11.8	81.3	34	-38	0.5	---	
11/25/2013	0	0.0	0.0	0.1	20.7	79.2	0	0	0.5	21.78	
	900	7.5	0.0	8.6	9.0	82.4	0	-42	0.5	---	
2/4/2014	0	0.0	0.1	0.1	20.8	79.0	1	0	0.5	22.80	
	900	7.5	0.0	9.8	6.1	84.1	0	-43	0.5	---	
5/19/2014	0	0.0	0.0	0.1	20.2	79.7	0	0	0.5	16.23	
	900	7.5	0.0	0.6	19.0	80.4	0	-62	0.5	---	
9/30/2014	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	19.80	
	900	7.5	0.1	nm	15.2	84.7	0	nm	0.5	---	
LFG-3 (Cont.)	12/23/2014	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	18.57
		900	7.5	0.1	nm	20.8	79.1	2	nm	0.5	---
	3/11/2015	0	0.0	0.0	nm	21.0	79.0	0	nm	0.5	20.13
		900	7.5	0.0	nm	20.8	79.2	0	nm	0.5	---
6/23/2015	0	0.0	0.0	nm	19.1	80.9	0	0	0.5	20.66	
	900	7.5	0.0	nm	16.2	83.8	0	-41	0.5	---	
9/21/2015	0	0.0	0.0	nm	15.9	84.1	100	-6	0.5	23.42	
	900	7.5	0.0	nm	20.1	79.9	0	-6	0.5	---	
LFG-4	4/22/2003	0	0.0	41.8	1.7	16.6	39.9	>100	0.0	1.0	---
		138	2.3	0.7	3.3	15.4	80.6	14	nm	0.5	---
		276	4.6	0.5	1.7	16.3	81.5	10	nm	0.5	---
	11/14/2003	414	6.9	0.5	3.2	15.6	80.7	10	1.2	0.8	---
		0	0.0	0.0	0.5	20.2	78.7	0	nm	0.5	10.58
		192	1.6	0.0	5.1	16.9	78.0	0	nm	0.5	---
		348	3.2	0.0	5.1	16.9	78.2	0	nm	0.5	---
	2/11/2004	576	4.8	0.0	4.9	17.0	78.1	0	-11.1	0.5	---
		0	0.0	0.0	0.2	19.9	80.2	0	1.2	0.5	9.58
		180	1.5	0.0	3.4	13.8	82.8	0	nm	0.5	---
	5/12/2004	360	3.0	0.0	3.4	13.9	82.7	0	nm	0.5	---
		540	4.5	0.0	3.3	13.8	82.8	0	-14.7	0.5	---
		0	0.0	0.1	0.0	20.4	79.6	2	1.9	0.5	9.03
		168	1.4	0.0	4.7	14.2	81.0	0	nm	0.5	---
	8/31/2004	336	2.8	0.0	4.7	14.1	81.0	0	nm	0.5	---
		504	4.2	0.0	4.8	14.3	80.8	0	-10.2	0.5	---
		0	0.0	0.0	5.7	16.0	78.3	0	0.2	0.5	10.21
	11/17/2004	600	5.0	0.0	5.9	16.0	78.1	0	-13.2	0.5	---
		0	0.0	0.0	5.9	16.0	78.1	0	0.0	0.5	10.52
	2/2/2005	600	5.0	0.0	5.8	15.9	78.3	0	-6.2	0.5	---
0		0.0	0.0	2.3	12.6	85.1	0	-0.9	0.5	8.91	
5/18/2005	600	5.0	0.0	4.2	12.5	83.3	0	-3.0	0.5	---	
	0	0.0	0.5	5.7	12.4	81.4	10	0.0	0.5	9.78	
	600	5.0	0.0	6.0	11.0	83.0	0	-8.2	0.5	---	

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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-4 (Cont.)	8/10/2005	0	0.0	0.1	6.2	15.2	78.5	2	-2.1	0.5	9.65
		600	5.0	0.0	6.3	15.1	78.6	0	-2.1	0.5	---
	11/30/2005	0	0.0	0.0	5.8	18.0	76.2	0	-1.6	0.5	10.65
600		5.0	0.0	5.8	17.8	76.4	0	-1.6	0.5	---	
2/17/2006	0	0.0	0.1	6.2	15.2	78.5	2	-2.1	0.5	9.16	
	600	5.0	0.0	6.3	15.1	78.6	0	-2.1	0.5	---	
5/26/2006	0	0.0	0.0	5.2	4.4	90.4	0	-1.2	0.5	8.22	
	600	5.0	0.0	5.4	4.6	90.0	0	-7.6	0.5	---	
8/25/2006	0	0.0	0.2	4.5	17.0	78.3	4	nm ⁽²⁾	0.5	8.22	
	600	5.0	0.2	7.1	14.9	77.8	4	nm ⁽²⁾	0.5	---	
11/22/2006	0	0.0	0.0	6.2	16.8	77.0	0	0.38	0.5	10.68	
	600	5.0	0.1	6.1	16.7	77.1	1	0.38	0.5	---	
2/17/2007	0	0.0	0.0	4.1	16.3	79.6	0	0.31	0.5	10.33	
	600	5.0	0.0	4.1	17.1	78.8	1	0.31	0.5	---	
5/31/2007	0	0.0	0.0	4.7	17.0	78.3	0	nm	0.5	10.05	
	600	5.0	0.0	5.0	16.9	78.1	0	nm	0.5	---	
8/31/2007	0	0.0	0.0	2.6	19.3	78.1	0	nm	0.5	10.64	
	600	5.0	0.0	5.6	17.2	77.2	0	-19.3	0.5	---	
11/30/2007	0	0.0	0.0	5.2	17.1	77.7	0	nm	0.5	10.43	
	600	5.0	0.0	5.1	17.2	77.7	0	-15.6	0.5	---	
2/14/2008	0	0.0	0.0	4.5	17.5	78.0	0	nm	0.5	6.35	
	600	5.0	0.0	6.0	16.4	77.6	0	nm	0.5	---	
5/12/2008	0	0.0	0.0	4.2	14.9	80.9	0	nm	0.5	9.73	
	600	5.0	0.0	4.2	14.9	80.9	0	-22.00	0.5	---	
7/15/2008	0	0.0	0.1	0.2	21.1	78.6	0	nm	0.5	10.34	
	600	5.0	0.0	5.2	16.6	78.2	0	-1.3	0.5	---	
10/29/2008	0	0.0	0.0	3.1	18.0	78.9	0	-0.8	0.5	10.95	
	600	5.0	0.0	5.4	16.3	78.3	0	-0.85	0.5	---	
1/30/2009	0	0.0	0.0	3.0	20.1	76.9	0	-1.0	0.5	11.40	
	600	5.0	0.0	3.9	19.2	76.9	0	-1.1	0.5	---	
4/21/2009	0	0.0	0.0	0.0	20.8	79.2	0	-0.90	0.5	10.70	
	600	5.0	0.0	3.4	14.7	81.9	0	-0.95	0.5	---	
7/23/2009	0	0.0	0.0	0.0	21.2	78.8	0	-0.75	0.5	10.43	
	600	5.0	0.0	5.1	16.3	78.6	0	-0.75	0.5	---	
10/22/2009	0	0.0	0.0	0.0	20.1	79.9	0	0.00	0.5	10.70	
	600	5.0	0.0	5.1	15.1	79.8	0	-0.67	0.5	---	
2/3/2010	0	0.0	0.0	0.0	19.5	80.5	0	0.0	0.5	10.22	
	600	5.0	0.0	3.0	14.5	82.5	0	-3.6	0.5	---	
5/21/2010	0	0.0	0.2	0.0	20.1	79.7	4	0.0	0.5	8.60	
	600	5.0	0.2	4.6	1.8	93.4	4	-4.5	0.5	---	
7/21/2010	0	0.0	0.0	0.0	18.7	81.3	0	0.0	0.5	9.60	
	600	5.0	0.0	6.5	5.0	88.5	0	-2.4	0.5	---	
10/1/2010	0	0.0	0.0	0.0	20.8	79.2	0	0.0	0.5	10.33	
	600	5.0	0.0	7.5	13.1	79.4	0	-1.1	0.5	---	
1/21/2011	0	0.0	0.0	0.1	20.4	79.5	0	0.0	0.5	9.96	
	600	5.0	0.0	5.2	10.9	83.9	0	-2.4	0.5	---	
4/21/2011	0	0.0	0.0	0.0	20.9	79.1	0	0.0	0.5	7.26	
	600	5.0	0.0	5.0	2.6	92.4	0	-28.0	0.5	---	
7/8/2011	0	0.0	0.0	0.0	20.6	79.4	0	0.0	0.5	9.15	
	600	5.0	0.0	7.1	2.8	90.1	0	-4.5	0.5	---	
10/26/2011	0	0.0	0.0	0.0	21.2	78.8	0	0.0	0.5	10.42	
	600	5.0	0.0	9.0	13.3	77.7	0	-1.5	0.5	---	
1/13/2012	0	0.0	0.0	0.0	22.0	78.0	0	0.0	0.5	10.81	
	600	5.0	0.0	5.3	17.2	77.5	0	-1.5	0.5	---	
4/18/2012	0	0.0	0.0	0.0	20.3	79.7	0	0.0	0.5	10.58	
	600	5.0	0.0	5.0	12.7	82.3	0	-11.0	0.5	---	
7/13/2012	0	0.0	0.0	0.0	20.4	79.6	0	0.0	0.5	10.41	
	600	5.0	0.0	8.8	11.1	80.1	0	-2.0	0.5	---	
10/29/2012	0	0.0	0.0	0.0	20.6	79.4	0	0.0	0.5	10.78	
	600	5.0	0.0	8.3	14.2	77.5	0	-1.5	0.5	---	
2/1/2013	0	0.0	0.0	0.2	20.7	79.1	0	0.0	0.5	9.55	
	600	5.0	0.0	5.7	9.3	85.0	0	-3.0	0.5	---	
6/4/2013	0	0.0	0.0	0.0	20.5	79.5	0	0.0	0.5	10.61	
	600	5.0	0.0	7.3	12.4	80.3	0	-1.4	0.5	---	
9/9/2013	0	0.0	0.1	0.1	19.3	80.5	0	0.0	0.5	10.94	
	600	5.0	0.0	9.7	11.0	79.3	0	0.0	0.5	---	

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Oyster Point Landfill
South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)	
LFG-4 (Cont.)	11/25/2013	0 600	0.0 5.0	0.0 0.1	0.1 7.5	20.8 15.2	79.1 77.2	0 1	0.0 -1.5	0.5 0.5	11.21 ---	
	2/4/2014	0 600	0.0 5.0	0.0 0.0	0.1 8.5	20.8 12.4	79.1 79.1	0 0	0.0 -1.9	0.5 0.5	11.55 ---	
	5/19/2014	0 600	0.0 5.0	0.0 0.0	0.1 8.0	20.3 14.4	79.6 77.6	0 0	0.0 -2.5	0.5 0.5	11.82 ---	
	9/30/2014	0 600	0.0 5.0	0.0 0.0	nm nm	20.3 14.4	79.7 85.6	0 0	nm nm	0.5 0.5	10.78 ---	
	12/23/2014	0 600	0.0 5.0	0.1 0.0	nm nm	20.6 14.4	79.3 85.6	2 0	nm nm	0.5 0.5	12.41 ---	
	3/11/2015	0 600	0.0 5.0	0.0 0.0	nm nm	21.0 12.8	79.0 87.2	0 0	nm nm	0.5 0.5	11.43 ---	
	6/23/2015	0 600	0.0 5.0	0.0 0.0	nm nm	19.9 14.3	80.1 85.7	0 0	nm nm	0.5 0.5	12.42 ---	
	9/22/2015	0 600	0.0 5.0	0.0 0.0	nm nm	17.6 13.9	82.4 86.1	0 0	0.0 0.0	0.5 0.5	12.66 ---	
	LFG-5	11/14/2003	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.17
		2/11/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.95
		5/12/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.05
		8/31/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.88
11/17/2004		NA	ng	ng	ng	ng	ng	ng	ng	ng	2.01	
2/2/2005		NA	ng	ng	ng	ng	ng	ng	ng	ng	1.32	
5/18/2005		NA	ng	ng	ng	ng	ng	ng	ng	ng	1.73	
8/10/2005		NA	ng	ng	ng	ng	ng	ng	ng	ng	1.93	
11/30/2005		NA	ng	ng	ng	ng	ng	ng	ng	ng	2.89	
2/17/2006		NA	ng	ng	ng	ng	ng	ng	ng	ng	1.69	
5/26/2006		NA	ng	ng	ng	ng	ng	ng	ng	ng	1.36	
8/25/2006		NA	ng	ng	ng	ng	ng	ng	ng	ng	3.60	
11/22/2006		NA	ng	ng	ng	ng	ng	ng	ng	ng	4.85	
2/17/2007		NA	ng	ng	ng	ng	ng	ng	ng	ng	4.40	
5/31/2007		NA	ng	ng	ng	ng	ng	ng	ng	ng	4.70	
8/31/2007		NA	ng	ng	ng	ng	ng	ng	ng	ng	4.92	
11/30/2007		0 200 400 600	0.0 1.7 3.4 5.0	0.0 0.0 0.0 0.0	3.9 4.2 4.2 4.2	12.6 12.4 12.4 12.4	83.5 83.4 83.4 83.4	0 0 0 0	nm nm nm -12.7	0.5 0.5 0.5 0.5	7.70 --- --- ---	
2/14/2008		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.72
5/12/2008		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	3.57
7/15/2008		0 200 400 600	0.0 1.7 3.4 5.0	0.0 0.1 0.0 0.0	0.0 0.0 0.0 0.0	21.7 21.7 21.7 21.8	78.3 78.2 78.3 78.2	0 1 1 0	nm -10.5 -10.5 -10.5	0.5 0.5 0.5 0.5	5.50 --- --- ---	
10/29/2008		0 200 400 600	0.0 1.7 3.4 5.0	0.0 0.0 0.0 0.0	0.1 5.5 5.4 5.2	3.3 13.5 13.9 14.0	16.7 81.0 80.7 80.8	1 0 0 0	-0.10 -0.15 -0.15 -0.15	0.5 0.5 0.5 0.5	8.65 --- --- ---	
1/30/2009		0 200 400 600	0.0 1.7 3.4 5.0	0.0 0.0 0.0 0.0	0.1 0.1 0.1 0.1	21.9 21.9 21.9 21.9	78.0 78.0 78.0 78.0	0 0 0 0	< -20 < -20 < -20 < -20	0.5 0.5 0.5 0.5	5.50 --- --- ---	
4/21/2009		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	4.95
7/23/2009		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.53
10/22/2009		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.48
2/3/2010		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	1.39
5/21/2010		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	1.65
7/21/2010		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	1.90
10/1/2010		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.20
1/21/2011		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.05
4/21/2011		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	1.34
7/8/2011		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	1.80
10/26/2011		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.22
1/13/2012		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.48
4/18/2012		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	1.88
7/13/2012		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.41
10/29/2012		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.32
2/1/2013		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	1.52
6/4/2013		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.47
9/9/2013		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.47
11/25/2013		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	2.87
2/4/2014		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	4.85
5/19/2014		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	4.34
9/30/2014		0	0.0	0.0	nm	16.1	83.9	0	nm	0.5	6.60	
12/22/2014		200 400 600	1.7 3.4 5.0	0.0 0.0 0.0	nm nm nm	20.9 20.9 20.9	79.1 79.1 79.1	0 0 0	nm nm nm	0.5 0.5 0.5	--- --- ---	
3/11/2015		NA	ng	ng	ng	ng	ng	ng	ng	ng	ng	4.35
6/23/2015		0 600	0.0 5.0	0.0 0.0	nm nm	20.1 16.8	79.9 83.2	0 0	0.0 -0.5	0.5 0.5	8.25 ---	
9/21/2015	0 600	0.0 5.0	0.0 0.0	nm nm	19.0 14.2	81.0 85.8	0 0	0.0 -0.5	0.5 0.5	8.10 ---		

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Oyster Point Landfill
South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-6	11/14/2003	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.56
	2/11/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.15
	5/12/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.92
	8/31/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.75
	11/17/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.81
	2/2/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.52
	5/18/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.76
	8/10/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.20
	11/30/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.17
	2/17/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.20
	5/26/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.00
	8/25/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.84
	11/22/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.70
	2/17/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.32
	5/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.53
	8/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.98
	11/30/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.61
	2/14/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.10
	5/12/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.95
	7/15/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.16
	10/29/2008	0	0.0	0.0	0.1	20.4	79.5	0	-2.4	0.5	5.40
		200	1.7	0.0	0.0	20.7	79.3	0	-2.4	0.5	---
		400	3.4	0.1	0.0	20.6	79.3	1	-2.4	0.5	---
		600	5.0	0.0	0.0	20.7	79.3	0	-2.4	0.5	---
	1/30/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.80
	4/21/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.26
	7/23/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/22/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	2/3/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	5/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	7/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/1/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	12/1/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	4/21/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.52
	7/8/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/26/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	1/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	4/18/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	7/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/29/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	2/1/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	6/4/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	9/9/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	11/25/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.26
	2/4/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.17
	5/19/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.73
	9/30/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.72
12/22/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.18	
3/11/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled	
6/23/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.49	
9/21/2015	0	0.0	0.0	0.0	nm	13.2	86.8	0	-16	7.00	
	600	5.0	0.0	0.0	nm	13.4	86.6	0	-17	---	
LFG-7	11/14/2003	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.87
	2/11/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.09
	5/12/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.09
	8/31/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.35
	11/17/2004	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.39
	2/2/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.83
	5/18/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.02
	8/10/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.54
	11/30/2005	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.64
	2/17/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.60
	5/26/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.10
	8/25/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.54
	11/22/2006	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.23
	2/17/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.87
	5/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.06
	8/31/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.74
	11/30/2007	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.25
	2/14/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.35
	5/12/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.65
	7/15/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.81
	10/29/2008	NA	ng	ng	ng	ng	ng	ng	ng	ng	4.96
	1/30/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.60
	4/21/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.03
	7/23/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.20
	10/22/2009	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.73
	2/3/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	5/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	7/21/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/1/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.80
	12/1/2010	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.91
	4/21/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.65
	7/8/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	10/26/2011	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	1/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.45
	4/18/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	Filled
	7/13/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.01
	10/29/2012	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.84
	2/1/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.27
	6/4/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.23
	9/9/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.20
	11/25/2013	NA	ng	ng	ng	ng	ng	ng	ng	ng	1.45
	2/4/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.63
	5/19/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.40
	9/30/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	0.88

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LFG-7 (Cont.)	12/22/2014	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.35
	3/11/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	2.25
	6/23/2015	NA	ng	ng	ng	ng	ng	ng	ng	ng	3.91
	9/21/2015	0 600	0.0 5.0	0.0 0.0	nm nm	18.7 20.6	81.3 79.4	0 0	-18 -18	0.5 0.5	8.56 ---
LFG-8	5/31/2007	0 600	0.0 5.0	0.0 0.0	0.0 0.8	20.8 15.8	79.2 83.4	0 1	nm nm	0.5 0.5	dry ---
	8/31/2007	0 600	0.0 5.0	0.0 0.0	1.2 1.3	18.2 18.0	80.6 80.7	0 0	nm -14.3	0.5 0.5	dry ---
	11/30/2007	0 600	0.0 5.0	0.0 0.0	5.6 6.5	12.8 11.4	81.6 82.1	0 0	nm -12.8	0.5 0.5	dry ---
	2/14/2008	0 600	0.0 5.0	0.0 0.0	0.6 1.3	19.5 18.2	79.9 80.5	0 0	nm nm	0.5 0.5	dry ---
	5/12/2008	0 600	0.0 5.0	0.0 0.0	2.0 2.5	13.8 12.3	84.2 85.2	0 0	nm -13.9	0.5 0.5	dry ---
	7/15/2008	0 600	0.0 5.0	0.0 0.0	1.1 2.0	20.0 18.6	78.9 79.4	0 0	nm -0.1	0.5 0.5	dry ---
	10/29/2008	0 600	0.0 5.0	0.0 0.0	1.2 1.8	19.3 18.2	79.5 80.0	0 0	-0.15 -0.15	0.5 0.5	dry ---
	1/30/2009	0 600	0.0 5.0	0.0 0.0	0.0 0.0	21.0 16.0	79.0 84.0	0 0	-0.50 -0.94	0.5 0.5	dry ---
	4/21/2009	0 600	0.0 5.0	0.0 0.0	0.0 1.3	16.4 10.0	83.6 88.7	0 0	-0.50 -1.30	0.5 0.5	dry ---
	7/23/2009	0 600	0.0 5.0	0.0 0.0	2.3 2.8	19.5 18.4	78.2 78.8	0 0	0.0 0.0	0.5 0.5	dry ---
	10/22/2009	0 600	0.0 5.0	0.0 0.0	0.1 1.6	19.7 15.5	80.2 82.9	0 0	0.0 -0.13	0.5 0.5	dry ---
	2/3/2010	0 600	0.0 5.0	0.0 0.0	0.0 0.1	20.6 20.5	79.4 79.4	0 0	0.0 -31	0.5 0.5	7.51 ---
	5/21/2010	0 600	0.0 5.0	0.2 0.2	0.0 1.1	19.9 14.4	79.9 84.3	3 3	0.0 -4.1	0.5 0.5	dry ---
	7/21/2010	0 600	0.0 5.0	0.0 0.0	0.0 2.9	19.5 13.3	80.5 83.8	0 0	0.0 0.0	0.5 0.5	dry ---
	10/1/2010	0 600	0.0 5.0	0.0 0.0	0.0 2.2	20.2 17.8	79.8 80.0	0 0	0.0 0.0	0.5 0.5	dry ---
	1/21/2011	0 600	0.0 5.0	0.0 0.0	0.1 1.1	21.6 15.0	78.3 83.9	0 0	0.0 -7.0	0.5 0.5	11.55 ---
	4/21/2011	0 600	0.0 5.0	0.0 0.0	0.0 1.9	20.8 11.2	79.2 86.9	0 0	0.0 -3.25	0.5 0.5	10.75 ---
	7/8/2011	0 600	0.0 5.0	0.0 0.0	0.0 3.2	21.4 17.3	78.6 79.5	0 0	0.0 0.0	0.5 0.5	dry ---
	10/26/2011	0 600	0.0 5.0	0.0 0.1	0.0 2.3	21.4 19.4	78.6 78.2	0 0	0.0 0.0	0.5 0.5	dry ---
	1/13/2012	0 600	0.0 5.0	0.0 0.0	0.0 1.3	22.1 20.6	77.9 78.1	0 0	0.0 0.0	0.5 0.5	dry ---
	4/18/2012	0 600	0.0 5.0	0.0 0.0	0.0 1.0	20.8 15.8	79.2 83.2	0 0	0.0 -8.50	0.5 0.5	8.59 ---
	7/13/2012	0 600	0.0 5.0	0.0 0.0	0.0 3.0	20.9 17.1	79.1 79.9	0 0	0.0 -0.20	0.5 0.5	dry ---
	10/29/2012	0 600	0.0 5.0	0.0 0.0	0.0 1.9	20.9 18.8	79.1 79.3	0 0	0.0 -0.20	0.5 0.5	dry ---
	2/1/2013	0 600	0.0 5.0	0.0 0.0	0.2 2.0	20.8 12.7	79.0 85.3	0 0	0.0 0.0	0.5 0.5	dry ---
	6/4/2013	0 600	0.0 5.0	0.0 0.0	0.0 2.2	20.7 17.8	79.3 80.0	0 0	0.0 0.0	0.5 0.5	dry ---
	9/9/2013	0 600	0.0 5.0	0.1 0.0	0.1 2.1	19.2 17.0	80.6 80.9	1 0	0.0 0.0	0.5 0.5	dry ---
	11/25/2013	0 600	0.0 5.0	0.0 0.0	0.1 1.8	20.8 18.9	79.1 79.3	0 0	0.0 0.0	0.5 0.5	dry ---
	2/4/2014	0 600	0.0 5.0	0.0 0.0	0.1 2.1	21.0 17.4	78.9 80.5	0 0	0.0 0.0	0.5 0.5	dry ---
	5/19/2014	0 600	0.0 5.0	0.0 0.0	0.1 1.8	20.9 18.9	79.0 79.3	0 0	0.0 0.0	0.5 0.5	dry ---
	9/30/2014	0 600	0.0 5.0	0.0 0.0	nm nm	20.9 20.0	79.1 80.0	0 0	nm nm	0.5 0.5	dry ---
12/23/2014	0 600	0.0 5.0	0.1 0.0	nm nm	20.5 19.2	79.4 80.8	1 0	nm nm	0.5 0.5	5.78 ---	
3/11/2015	0 600	0.0 5.0	0.0 0.0	nm nm	21.0 17.7	79.0 82.3	0 0	nm nm	0.5 0.5	dry ---	

Table 1
 Landfill Gas Perimeter Monitoring Results
 Oyster Point Landfill
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)	
LFG-8 (Cont.)	6/23/2015	0 600	0.0 5.0	0.0 0.0	nm nm	20.9 18.8	79.1 81.2	0 0	-0.2 -0.2	0.5 0.5	dry ---	
	9/22/2015	0 600	0.0 5.0	0.0 0.0	nm nm	18.8 18.2	81.2 81.8	0 0	0.0 0.0	0.5 0.5	dry ---	
LFG-9	5/31/2007	0 600	0.0 5.0	0.0 0.0	10.3 13.0	11.6 6.7	78.1 80.3	0 1	nm nm	0.5 0.5	dry ---	
	8/31/2007	0 600	0.0 5.0	0.0 0.0	4.3 5.7	13.7 11.4	82.0 82.9	0 0	nm -12.9	0.5 0.5	dry ---	
	11/30/2007	0 600	0.0 5.0	0.0 0.0	8.2 10.2	6.6 3.8	85.2 86.0	0 0	nm -13.0	0.5 0.5	dry ---	
	2/14/2008	0 600	0.0 5.0	0.0 0.0	9.3 10.3	12.7 9.1	78.1 80.7	0 0	nm nm	0.5 0.5	dry ---	
	5/12/2008	0 600	0.0 5.0	0.0 0.0	6.0 5.9	15.4 15.4	78.6 78.7	0 0	nm -12.5	0.5 0.5	dry ---	
	7/15/2008	0 600	0.0 5.0	0.0 0.0	5.3 5.3	12.9 12.8	81.8 81.9	0 0	nm -0.1	0.5 0.5	dry ---	
	10/29/2008	0 600	0.0 5.0	0.0 0.0	5.7 7.3	13.1 8.4	81.2 84.3	0 0	-0.15 -0.15	0.5 0.5	dry ---	
	1/30/2009	0 600	0.0 5.0	0.0 0.0	5.3 11.4	12.9 2.9	81.8 85.7	0 0	0.0 0.0	0.5 0.5	dry ---	
	4/21/2009	0 600	0.0 5.0	0.0 0.0	0.0 4.5	16.5 13.1	83.5 82.4	0 0	0.0 0.0	0.5 0.5	dry ---	
	7/23/2009	0 600	0.0 5.0	0.1 0.0	2.2 4.6	20.0 15.8	77.7 79.6	1.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	10/22/2009	0 600	0.0 5.0	0.0 0.0	0.2 9.6	20.2 3.2	79.6 87.2	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	2/3/2010	0 600	0.0 5.0	0.0 5.0	0.0 7.7	0.0 13.7	20.8 0.0	79.2 78.6	0.0 >100	0.0 0.0	0.5 0.5	dry ---
	5/21/2010	0 600	0.0 5.0	0.2 1.5	0.0 14.8	20.0 0.0	79.8 83.7	4 30	0.0 0.0	0.5 0.5	dry ---	
	7/21/2010	0 600	0.0 5.0	0.0 0.0	0.0 5.3	19.6 13.7	80.4 81.0	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	10/1/2010	0 600	0.0 5.0	0.0 0.0	0.0 6.8	20.3 10.0	79.7 83.2	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	1/21/2011	0 600	0.0 5.0	0.0 7.4	0.1 14.1	21.6 0.0	78.3 78.5	0.0 >100	0.0 0.0	0.5 0.5	dry ---	
	4/21/2011	0 600	0.0 5.0	0.0 5.2	0.0 13.3	21.8 0.0	78.2 81.5	0.0 >100	0.0 0.0	0.5 0.5	dry ---	
	7/8/2011	0 600	0.0 5.0	0.0 0.8	0.0 15.4	21.5 0.0	78.5 83.8	0.0 16	0.0 0.0	0.5 0.5	dry ---	
	10/26/2011	0 600	0.0 5.0	0.0 0.0	0.0 7.3	21.5 10.7	78.5 82.0	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	1/13/2012	0 600	0.0 5.0	0.0 0.0	0.0 6.6	22.1 10.5	77.9 82.9	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	4/18/2012	0 600	0.0 5.0	0.0 0.0	0.0 6.0	21.0 12.2	79.0 81.8	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	7/13/2012	0 600	0.0 5.0	0.0 0.0	0.0 2.3	21.0 18.8	79.0 78.9	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	10/29/2012	0 600	0.0 5.0	0.0 0.0	0.0 5.0	20.7 11.6	79.3 83.4	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	2/1/2013	0 600	0.0 5.0	0.0 0.0	0.2 5.8	20.9 11.3	78.9 82.9	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	6/4/2013	0 600	0.0 5.0	0.0 0.0	0.0 2.7	20.4 17.0	79.6 80.3	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	9/9/2013	0 600	0.0 5.0	0.1 0.0	0.1 3.2	20.4 14.4	79.4 82.4	1.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	11/25/2013	0 600	0.0 5.0	0.0 0.0	0.1 5.1	20.9 11.5	79.0 83.4	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
	2/4/2014	0 600	0.0 5.0	0.0 0.0	0.1 4.7	21.1 14.7	78.8 80.6	0.0 0.0	0.0 0.0	0.5 0.5	dry ---	
5/19/2014	0 600	0.0 5.0	0.0 0.0	0.1 5.7	21.1 12.4	78.8 81.9	0.0 0.0	0.0 0.0	0.5 0.5	dry ---		
9/30/2014	0 600	0.0 5.0	0.0 0.0	nm nm	21.1 12.7	78.9 87.3	0.0 0.0	nm nm	0.5 0.5	dry ---		
12/23/2014	0 600	0.0 5.0	0.0 0.3	0.0 nm	20.8 1.8	79.2 97.9	0.0 5.0	nm nm	0.5 0.5	dry ---		

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 Landfill Gas Perimeter Monitoring Results
 Oyster Point Landfill
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-9 (Cont.)	3/11/2015	0	0.0	0.0	nm	21.0	79.0	0.0	nm	0.5	dry
		600	5.0	0.0	nm	16.0	84.0	0.0	nm	0.5	---
	6/23/2015	0	0.0	0.0	nm	20.5	79.5	0.0	0.0	0.5	dry
		600	5.0	0.0	nm	20.2	79.8	0.0	-0.5	0.5	---
	9/22/2015	0	0.0	0.0	nm	19.0	81.0	0.0	0.0	0.5	dry
		600	5.0	0.0	nm	13.5	86.5	0.0	0.0	0.5	---
LFG-10	5/31/2007	0	0.0	1.7	6.9	14.2	77.2	>100	nm	0.5	dry
		200	1.7	4.5	8.4	12.6	74.5	>100	nm	0.5	---
		400	3.4	0.7	8.5	13.0	77.8	13	nm	0.5	---
	8/31/2007	0	0.0	0.0	5.0	14.7	80.3	0	nm	0.5	dry
		200	1.7	0.0	5.3	13.6	81.1	0	nm	0.5	---
		400	3.4	0.0	5.2	13.5	81.3	0	nm	0.5	---
	11/30/2007	0	0.0	0.0	1.1	19.1	79.8	0	nm	0.5	dry
		200	1.7	0.0	1.2	18.6	80.2	0	-11.5	0.5	---
		400	3.4	0.0	0.0	0.0	0.0	0	0	0.5	---
	2/4/2008	0	0.0	1.5	6.0	14.5	78.1	0	nm	0.5	dry
		200	1.7	0.8	6.3	13.9	79.0	0	nm	0.5	---
		400	3.4	0.8	6.4	13.3	79.6	0	nm	0.5	---
	5/12/2008	0	0.0	0.6	6.4	13.2	79.8	0	nm	0.5	dry
		200	1.7	0.0	4.0	17.8	78.2	0	nm	0.5	---
		400	3.4	0.0	4.4	17.5	78.1	0	-12.3	0.5	---
	7/15/2008	0	0.0	0.1	4.3	15.5	80.1	1	nm	0.5	dry
		600	5.0	0.1	4.6	15.2	80.1	1	-0.1	0.5	---
	10/29/2008	0	0.0	0.0	3.3	17.3	79.4	0	-0.1	0.5	dry
		600	5.0	0.0	5.1	13.2	81.7	0	-0.1	0.5	---
	1/30/2009	0	0.0	0.0	3.7	14.5	81.8	0	0.0	0.5	dry
		600	5.0	0.0	5.0	12.4	82.6	0	0.0	0.5	---
	4/21/2009	0	0.0	0.0	0.0	17.0	83.0	0	0.0	0.5	dry
		600	5.0	0.0	2.7	15.5	81.8	0	0.0	0.5	---
	7/23/2009	0	0.0	0.0	2.6	21.1	76.3	0	0.0	0.5	dry
		600	5.0	0.0	4.3	17.2	78.5	0	0.0	0.5	---
	10/22/2009	0	0.0	0.0	0.2	20.3	79.5	0	0.0	0.5	dry
		600	5.0	0.0	5.3	11.0	83.7	0	0.0	0.5	---
	2/3/2010	0	0.0	0.0	0.0	21.0	79.0	0	0.0	0.5	dry
		600	5.0	0.0	5.6	11.2	83.2	0	0.0	0.5	---
	5/21/2010	0	0.0	0.2	0.1	19.7	80.0	4	0.0	0.5	dry
		600	5.0	0.2	6.5	10.8	82.5	4	0.0	0.5	---
	7/21/2010	0	0.0	0.0	0.0	19.5	80.5	0	0.0	0.5	dry
		600	5.0	0.0	4.1	15.3	80.6	0	0.0	0.5	---
	10/1/2010	0	0.0	0.0	0.0	20.4	79.6	0	0.0	0.5	dry
		600	5.0	0.0	4.7	12.8	82.5	0	0.0	0.5	---
	1/21/2011	0	0.0	0.0	0.2	21.5	78.3	0	0.0	0.5	dry
		600	5.0	0.0	6.4	10.0	83.6	0	0.0	0.5	---
	4/21/2011	0	0.0	0.0	0.0	22.0	78.0	0	0.0	0.5	dry
		600	5.0	0.0	9.3	4.4	86.3	0	0.0	0.5	---
	7/8/2011	0	0.0	0.0	0.0	21.5	78.5	0	0.0	0.5	dry
		600	5.0	0.0	7.7	4.5	87.8	0	0.0	0.5	---
	10/26/2011	0	0.0	0.0	0.1	21.5	78.4	0	0.0	0.5	dry
600		5.0	0.0	5.5	13.5	81.0	0	0.0	0.5	---	
1/13/2012	0	0.0	0.0	0.0	22.0	78.0	0	0.0	0.5	dry	
	600	5.0	0.0	4.6	14.8	80.6	0	0.0	0.5	---	
4/18/2012	0	0.0	0.0	0.0	21.1	78.9	0	0.0	0.5	dry	
	600	5.0	0.0	3.5	16.2	80.3	0	0.0	0.5	---	
7/13/2012	0	0.0	0.0	0.0	21.1	78.9	0	0.0	0.5	dry	
	600	5.0	0.0	2.3	19.1	78.6	0	0.0	0.5	---	
10/29/2012	0	0.0	0.0	0.0	20.7	79.3	0	0.0	0.5	dry	
	600	5.0	0.0	3.6	15.8	80.6	0	0.0	0.5	---	
2/1/2013	0	0.0	0.0	0.2	21.0	78.8	0	0.0	0.5	dry	
	600	5.0	0.0	3.0	16.1	80.9	0	0.0	0.5	---	
6/4/2013	NA										
9/9/2013	0	0.0	0.0	0.1	20.3	79.6	0	0.0	0.5	dry	
	600	5.0	0.0	3.5	16.3	80.2	0	0.0	0.5	---	
11/25/2013	0	0.0	0.0	0.1	21.0	78.9	0	0.0	0.5	dry	
	600	5.0	0.0	3.5	16.0	80.5	0	0.0	0.5	---	
2/4/2014	0	0.0	0.0	0.1	21.1	78.8	0	0.0	0.5	dry	
	600	5.0	0.0	3.4	16.0	80.6	0	0.0	0.5	---	
5/19/2014	0	0.0	0.0	0.1	21.1	78.8	0	0.0	0.5	dry	
	600	5.0	0.0	3.7	15.8	80.5	0	0.0	0.5	---	

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Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
LFG-10 (Cont.)	9/30/2014	0	0.0	0.0	nm	21.1	78.9	0	nm	0.5	dry
		600	5.0	0.0	nm	13.7	86.3	0	nm	0.5	---
	12/23/2014	0	0.0	1.0	nm	20.8	78.2	1	nm	0.5	dry
		600	5.0	0.0	nm	9.7	90.3	0	nm	0.5	---
	3/11/2015	0	0.0	0.0	nm	20.8	79.2	0	nm	0.5	dry
		600	5.0	0.0	nm	17.2	82.8	0	nm	0.5	---
	6/23/2015	0	0.0	0.0	nm	21.0	79.0	0	0.0	0.5	dry
		600	5.0	0.0	nm	20.7	79.3	0	-0.5	0.5	---
	9/22/2015	0	0.0	0.0	nm	15.8	84.2	0	0.0	0.5	dry
		600	5.0	0.0	nm	15.7	84.3	0	0.0	0.5	---
PVT-1	5/31/2007	200	1.7	6.1	18.1	1.4	74.4	>100	nm	0.5	nm
	8/31/2007	200	1.7	0.3	9.5	7.7	82.5	6	nm	0.5	nm
	11/30/2007	300	2.5	7.1	17.0	0.1	75.8	>100	-12.6	0.5	nm
	2/14/2008	300	2.5	12.9	16.5	1.8	68.8	>100	nm	0.5	nm
	5/12/2008	300	2.5	3.5	13.2	6.7	76.6	70	0.0	0.5	nm
	7/15/2008	300	2.5	0.8	10.7	6.8	81.7	16	-0.1	0.5	nm
	10/29/2008	300	2.5	0.1	9.0	6.3	84.6	1	-0.1	0.5	nm
	1/30/2009	300	2.5	0.4	2.0	18.8	78.8	8	0.0	0.5	nm
	4/21/2009	300	2.5	0.0	0.0	17.1	82.9	0	0.0	0.5	nm
	7/23/2009	300	2.5	1.6	9.9	9.8	78.7	32	0.0	0.5	nm
	10/22/2009	300	2.5	8.2	19.5	0.0	72.3	>100	0.0	0.5	nm
	2/3/2010	300	2.5	20.3	19.4	0.0	60.3	>100	0.0	0.5	nm
	5/21/2010	300	2.5	9.2	17.3	0.0	73.5	>100	0.0	0.5	nm
	7/21/2010	300	2.5	1.0	10.0	9.0	80.0	20	0.0	0.5	nm
	10/1/2010	300	2.5	0.8	10.4	6.3	82.5	15	0.0	0.5	nm
	1/21/2011	300	2.5	19.6	20.0	0.0	60.4	>100	0.0	0.5	nm
	4/21/2011	300	2.5	15.0	17.5	0.0	67.5	>100	0.0	0.5	nm
	7/8/2011	300	2.5	7.7	17.7	0.0	74.6	>100	0.0	0.5	nm
	10/26/2011	300	2.5	1.2	12.2	6.8	79.8	24	0.0	0.5	nm
	1/13/2012	300	2.5	0.0	0.5	21.2	78.3	0	0.0	0.5	nm
	4/18/2012	300	2.5	3.2	11.2	6.8	78.8	64	0.0	0.5	nm
	7/13/2012	300	2.5	0.0	6.4	14.0	79.6	0	0.0	0.5	nm
	10/29/2012	300	2.5	0.0	7.2	10.1	82.7	0	0.0	0.5	nm
	2/1/2013	300	2.5	0.0	6.1	11.8	82.1	0	0.0	0.5	nm
	6/4/2013	300	2.5	0.0	5.1	13.9	81.0	0	0.0	0.5	nm
	9/9/2013	300	2.5	0.0	6.0	11.6	82.4	0	0.0	0.5	nm
	11/25/2013	300	2.5	0.0	6.8	10.5	82.7	0	0.0	0.5	nm
2/4/2014	300	2.5	0.0	6.2	12.1	81.7	0	0.0	0.5	nm	
5/19/2014	300	2.5	0.0	5.6	12.9	81.5	0	0.0	0.5	nm	
9/30/2014	300	2.5	0.2	nm	14.9	84.9	0	nm	0.5	nm	
12/22/2014	300	2.5	5.0	nm	0.0	95.0	100	nm	0.5	nm	
3/11/2015	300	2.5	0.5	nm	11.7	87.8	10	nm	0.5	nm	
6/23/2015	300	2.5	0.1	nm	17.1	82.8	2	-0.5	0.5	nm	
9/22/2015	300	2.5	0.9	nm	7.2	91.9	0	0.0	0.5	nm	
PVT-2	11/30/2007	300	2.5	69.0	18.2	1.2	11.6	>100	-12.0	0.5	nm
	2/14/2008	300	2.5	63.1	16.9	1.7	18.3	>100	-12.0	0.5	nm
	5/12/2008	300	2.5	54.7	17.8	2.2	25.3	>100	0.0	0.5	nm
	7/15/2008	300	2.5	51.5	19.0	1.5	28.0	>100	0.0	0.5	nm
	10/29/2008	300	2.5	66.8	19.9	0.0	13.3	>100	0.0	0.5	nm
	1/30/2009	300	2.5	78.2	17.5	1.6	2.7	>100	0.0	0.5	nm
	4/21/2009	300	2.5	62.7	18.8	0.4	18.1	>100	0.0	0.5	nm
	7/23/2009	300	2.5	45.0	18.1	2.7	34.2	>100	0.0	0.5	nm
	10/22/2009	300	2.5	69.9	20.1	0.0	10.0	>100	0.0	0.5	nm
	2/3/2010	300	2.5	75.5	18.5	0.2	5.8	>100	0.0	0.5	nm
	5/21/2010	300	2.5	28.9	12.0	7.0	52.1	58	0.0	0.5	nm
	7/21/2010	300	2.5	61.6	20.9	0.0	17.5	>100	0.0	0.5	nm
	10/1/2010	300	2.5	57.4	19.6	0.8	22.2	>100	0.0	0.5	nm
	1/21/2011	300	2.5	71.0	20.8	0.2	8.0	>100	0.0	0.5	nm
	4/21/2011	300	2.5	0.9	0.9	18.7	79.5	18	0.0	0.5	nm
	7/8/2011	300	2.5	76.7	22.6	0.0	0.7	>100	0.0	0.5	nm
	10/26/2011	300	2.5	50.9	18.2	3.8	27.1	>100	0.0	0.5	nm
	1/13/2012	300	2.5	58.2	16.3	3.1	22.4	>100	0.0	0.5	nm
	4/18/2012	300	2.5	58.7	16.0	3.1	22.2	>100	0.0	0.5	nm
	7/13/2012	300	2.5	43.2	16.8	4.9	35.1	>100	0.0	0.5	nm
	10/29/2012	300	2.5	52.5	17.5	2.7	27.3	>100	0.0	0.5	nm
	2/1/2013	300	2.5	70.7	19.4	0.0	9.9	>100	0.0	0.5	nm
	6/4/2013	300	2.5	63.7	18.5	1.4	16.4	>100	0.0	0.5	nm
	9/9/2013	300	2.5	69.9	24.4	1.6	4.1	>100	0.0	0.5	nm
	11/25/2013	300	2.5	65.8	21.3	1.6	11.3	>100	0.0	0.5	nm
	2/4/2014	300	2.5	68.7	23.7	1.5	6.1	>100	0.0	0.5	nm
	5/19/2014	300	2.5	69.5	24.1	1.5	4.9	>100	0.0	0.5	nm
9/30/2014	300	2.5	52.0	nm	3.2	44.8	>100	nm	0.5	nm	
12/23/2014	300	2.5	62.3	nm	20.3	17.4	>100	nm	0.5	nm	
3/11/2015	300	2.5	61.0	nm	14.1	24.9	>100	nm	0.5	nm	
6/23/2015	300	2.5	62.7	nm	12.4	24.9	>100	-0.5	0.5	nm	
9/22/2015	300	2.5	69.0	nm	0.3	30.7	>100	0.0	0.5	nm	
PVW-1	11/30/2007	300	2.5	7.2	0.5	7.2	85.1	>100	-15.1	0.5	nm
	2/14/2008	300	2.5	0.0	0.6	19.1	80.3	0	nm	0.5	nm
	5/12/2008	300	2.5	0.0	0.0	21.7	78.3	0	0.0	0.5	nm
	7/15/2008	300	2.5	0.1	0.2	21.0	78.7	1	0.0	0.5	nm
	10/29/2008	300	2.5	0.0	0.1	19.3	80.6	0	0.0	0.5	nm
	1/30/2009	300	2.5	0.0	0.1	21.6	78.3	0	0.0	0.5	nm
	4/21/2009	300	2.5	0.0	0.0	20.3	79.7	0	0.0	0.5	nm
	7/23/2009	300	2.5	0.0	0.0	20.7	79.3	0	0.0	0.5	nm
	10/22/2009	300	2.5	0.0	0.2	19.4	80.4	0	0.0	0.5	nm
	2/3/2010	300	2.5	0.0	0.1	20.2	79.7	0	0.0	0.5	nm
	5/21/2010	300	2.5	0.2	0.0	19.3	80.5	3	0.0	0.5	nm
	7/21/2010	300	2.5	0.0	0.0	17.6	82.4	0	0.0	0.5	nm
	10/1/2010	300	2.5	0.0	0.0	20.0	80.0	0	0.0	0.5	nm
	1/21/2011	300	2.5	0.0	0.2	20.5	79.3	0	0.0	0.5	nm
4/21/2011	300	2.5	0.0	0.0	20.5	79.5	0	0.0	0.5	nm	
7/8/2011	300	2.5	0.0	0.0	20.1	79.9	0	0.0	0.5	nm	

Table 1
 Landfill Gas Perimeter Monitoring Results
 Oyster Point Landfill
 South San Francisco, CA

Well Identification	Date (m/d/y)	Time Elapsed (seconds)	Purged Volume (liters)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas (%)	LEL (%)	SP (in.water)	Purge Flow Rate (L/min)	DTW (ft BTOC)
PVW-1 (Cont.)	10/26/2011	300	2.5	0.0	0.1	21.0	78.9	0	0.0	0.5	nm
	1/13/2012	300	2.5	0.0	0.0	21.6	78.4	0	1.0	0.5	nm
	4/18/2012	300	2.5	0.0	0.0	20.1	79.9	0	0.0	0.5	nm
	7/13/2012	300	2.5	0.0	0.0	20.3	79.7	0	0.0	0.5	nm
	10/29/2012	300	2.5	0.0	0.0	21.0	79.0	0	0.0	0.5	nm
	2/1/2013	300	2.5	0.0	0.2	20.7	79.1	0	0.0	0.5	nm
	6/4/2013	300	2.5	0.0	0.0	20.4	79.6	0	0.0	0.5	nm
	9/9/2013	300	2.5	0.1	0.1	20.0	79.8	0	0.0	0.5	nm
	11/25/2013	300	2.5	0.0	0.1	20.6	79.3	0	0.0	0.5	nm
	2/4/2014	300	2.5	0.0	0.1	20.7	79.2	0	0.0	0.5	nm
	5/19/2014	300	2.5	0.0	0.0	20.2	79.8	0	0.0	0.5	nm
	9/30/2014	300	2.5	0.0	nm	20.8	79.2	0	0.0	0.5	nm
	12/23/2014	300	2.5	0.0	nm	21.0	79.0	0	0.0	0.5	nm
	3/11/2015	300	2.5	0.0	nm	21.0	79.0	0	0.0	0.5	nm
	6/23/2015	300	2.5	0.0	nm	19.7	80.3	0	-0.1	0.5	nm
	9/21/2015	300	2.5	0.0	nm	20.8	79.2	0	0.0	0.5	nm
MW-5	11/16/2011	0	0.0	0.0	-	20.9	79.1	0	0.0	0.5	14.21
	300	2.5	9.0	-	11.5	79.5	>100	>100	0.0	0.5	---
	600	5.0	12.0	-	11.8	76.2	>100	>100	0.0	0.5	---
MW-5 (Cont.)	1/13/2012	0	0.0	0.0	0.0	22.4	77.6	0	0.0	0.5	16.15
		200	1.7	15.3	4.6	5.0	75.1	>100	0.0	0.5	---
		400	3.4	17.3	5.2	2.4	75.1	>100	0.0	0.5	---
		600	5.0	18.5	5.5	0.8	75.2	>100	0.0	0.5	---
	800	6.7	19.0	5.7	0.1	75.2	>100	0.0	0.5	---	
	4/18/2012	0	0.0	0.0	0.0	21.5	78.5	0	0.0	0.5	12.94
		300	2.5	18.8	1.8	3.7	75.7	>100	-1.4	0.5	---
		600	5.0	20.3	1.9	2.3	75.5	>100	-1.4	0.5	---
		900	7.5	20.5	2.0	2.1	75.4	>100	-1.4	0.5	---
	7/13/2012	0	0.0	0.0	0.0	21.3	78.7	0	0.0	0.5	12.94
		300	2.5	16.0	5.4	3.2	75.4	>100	-1.4	0.5	---
		600	5.0	17.7	6.0	0.8	75.5	>100	-1.4	0.5	---
		900	7.5	17.8	6.2	0.0	76.0	>100	-1.4	0.5	---
	10/29/2012	0	0.0	0.0	0.0	20.7	79.3	0	0.0	0.5	14.10
		900	7.5	18.3	4.6	0.0	77.1	>100	0.0	0.5	---
	2/1/2013	0	0.0	0.0	0.2	21.2	78.6	0	0.0	0.5	14.68
		900	7.5	18.5	5.0	0.1	76.4	>100	0.0	0.5	---
	6/4/2013	0	0.0	0.0	0.0	20.5	79.5	0	0.0	0.5	15.01
		900	7.5	20.8	5.4	0.8	73.0	>100	0.0	0.5	---
	9/9/2013	0	0.0	0.0	0.1	20.1	79.8	0	0.0	0.5	14.47
		900	7.5	19.1	6.5	0.5	73.9	>100	0.0	0.5	---
	11/25/2013	0	0.0	0.0	0.1	20.1	79.8	0	0.0	0.5	14.65
		900	7.5	17.1	6.0	0.2	76.7	>100	0.0	0.5	---
	2/4/2014	0	0.0	0.0	0.1	21.2	78.7	0	0.0	0.5	15.20
900		7.5	14.2	5.6	0.0	80.2	>100	0.0	0.5	---	
5/19/2014	0	0.0	0.0	0.0	21.2	78.8	0	0.0	0.5	nm	
	900	7.5	0.0	2.0	17.3	80.7	0	0.0	0.5	---	
9/30/2014	0	0.0	0.0	nm	21.2	78.8	0	nm	0.5	14.97	
	900	7.5	0.1	nm	0.0	99.9	2	nm	0.5	---	
12/22/2014	0	0.0	0.1	nm	20.8	79.1	1	nm	0.5	13.93	
	900	7.5	0.0	nm	21.0	79.0	0	nm	0.5	---	
3/11/2015	0	0.0	0.0	nm	20.8	79.2	1	nm	0.5	13.90	
	900	7.5	0.0	nm	21.0	79.0	0	nm	0.5	---	
6/23/2015	0	0.0	0.0	nm	20.9	79.1	0	0.0	0.5	14.23	
	900	7.5	0.1	nm	18.7	81.2	2	-0.5	0.5	---	
9/22/2015	0	0.0	0.0	nm	19.0	81.0	0	0.0	0.5	nm	
	900	7.5	0.0	nm	13.5	86.5	0	0.0	0.5	---	

Table 2

Results of Detailed Monitoring of Remediation at LFG-3
Oyster Point Landfill
South San Francisco, CA

Monitoring Date	Percent Methane		
	LFG-3	PVT-2	PVW-1
9/13/2007	69	88	nm
9/14/2007	68	66	nm
9/21/2007	69	66	nm
9/25/2007	67	66	nm
9/28/2007	58	55	nm
10/3/2007	42	54	nm
10/12/2007	35	46	nm
10/19/2007	27	66	nm
10/29/2007	18	64	nm
11/2/2007	17	67	10
11/11/2007	15	54	11
11/21/2007	12	53	11
11/30/2007	7	69	7
12/13/2007	7	80	1
12/27/2007	4.0	66	1.0
1/7/2008 ⁽¹⁾	3.0	0.0	0.0
1/22/2008	2.0	55	0.0
2/14/2008	0.5	63	0.0
4/17/2008	7.2	64	0.0
5/12/2008	2.6	55	0.0
6/11/2008	0.8	50	0.0
7/15/2008	0.2	52	0.1
7/17/2008	0.0	41	0.0
8/13/2008	0.0	51	0.1
9/8/2008	0.0	54	0.0
10/29/2008	0.0	67	0.0
1/9/2009	0.0	78	0.0
4/21/2009	0.3	63	0.0
7/23/2009	0.4	45	0.0
10/22/2009	0.0	70	0.0
2/3/2010	0.0	76	0.0
5/21/2010	6.0	29	0.2
7/21/2010	2.2	62	0.0
10/1/2010	2.2	57	0.0
1/21/2011	0.0	71	0.0
4/21/2011	0.0	0.9	0.0
7/8/2011	0.1	77	0.0
10/26/2011	0.0	51	0.0
1/13/2012	0.0	58	0.0
4/18/2012	0.0	59	0.0
7/13/2012	0.0	43	0.0
10/29/2012	0.0	53	0.0
2/1/2013	0.0	71	0.0
6/4/2013	14.7	64	0.0
9/9/2013	1.7	70	0.1
11/25/2013	0.0	66	0.0
2/4/2014	0.0	69	0.0
5/19/2014	0.0	70	0.0
9/30/2014	0.1	52	0.0
12/23/2014	0.1	62	0.0
3/11/2015	0.0	61	0.0
6/23/2015	0.0	63	0.0
9/21/2015	0.0	69	0.0

Notes: nm Not Measured

July

2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Fire box ✓

cut trees
BIS

Street lights ✓

VS methane
Beach cleaned
edging, mowing, line trimming

service
5/6 restroom
fence

Buzz
Laurence
vessel inspection
KTB

r.t. maint. ✓
Suby
va se boards

Elec. cabinets

August

2015

Sun Mon Tue Wed Thu Fri Sat

1

2 3 4 5 6 7 8

Fire box

SS

9 10 11 12 13 14 15

SS
methane

1/21
Fluor
acetylene

16 17 18 19 20 21 22

Lube locks
SS

23 24 25 26 27 28 29

Vac station
SS

30 31

September

2015

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
		1	✓2 ⁸⁵	3	4	5
			Fire box			
6	7	8	✓9 ⁸⁵	10	11	12
			Run gen.			
13	14	15	✓16 ⁸⁵	17	18	19
			Safety equip.			
20	21	22	✓23 ⁸⁵	24	25	26
			<u>methane</u>			
27	28	29	30			