Quarterly Report

For

Division of Waste Management

Thursday, January 15, 2015

Submitted by:

Green Valley Landfill General Partnership

a subsidiary of

Allied Waste Ind. Inc.
15880 N Greenway-Hayden Loop
Suite 100
Scottsdale, AZ 85260

WQR removed - RCG

RECEIVED
JAN 16 2015
Division of Waste Management
Solid Waste Branch

A. Green Valley Landfill General Partnership

Greenup County
#045-00012

I. Construction Activities

III. Cover Requirements

The implementation of Daily cover at Green Valley was completed using a combination of Fabrisoil and six (6) inches of soil.

REPUBLIC SERVICES, INC.

Machine Log Form - Soil Tracking

Site: Green Valley Landfill **Div No.** 4127

Machine #: **Desc:** <25T/613 **BCY/ld** 11

	Machine Load Count						Machine Production (cy)						Hourly Production	
Date	Daily cover	Int. Cover	Interior Roads (placed inside waste footprint)	Other Soil Hauled (placed outside waste footprint)	Certified Final Cover	Total	Daily cover	Int. Cover	Interior Roads placed Inside waste footprint	Other soils hauled outside waste footprint	Certified Final Cover	Total	Machine hours from pre op	Operators total Timecard hours
10/1/14		4				4		44				44	4	2
10/2/14						0						0		
10/3/14						0						0		
10/4/14						0						0		
10/5/14						0						0		
10/6/14						0						0		
10/7/14						0						0		
10/8/14			21			21			231			231	16	8
10/9/14			30			30			330			330	10	10
10/10/14		11				11		121				121	8	4
10/11/14						0						0		
10/12/14						0						0		
10/13/14						0						0		
10/14/14			8			8			88			88	8	4
10/15/14			41			41			451			451	16	8
10/16/14		41				41		451				451	18	9
10/17/14		41				41		451				451	16	8
10/18/14	7		30			37	77		330			407	18	9
10/19/14						0						0		
10/20/14	12					12	132					132	14	7
10/21/14		33				33		363				363	18	9
10/22/14						0						0		
10/23/14		12				12		132				132	18	9
10/24/14						0						0		
10/25/14						0						0		
10/26/14						0						0		
10/27/14		33				33		363				363	20	10
10/28/14						0						0		
10/29/14		10				10		110				110	8	4
10/30/14		29				29		319				319	18	9
10/31/14		41				41		451				451	18	9
October	19	255	130	0	0	404	209	2,805	1,430	0	0	4,444	228	119
YTD	621	1,945	750	134	342	3,792	6,798	21,395	8,250	1,474	3,762	41,679	1,803	1,131

REPUBLIC SERVICES, INC.

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11/1/14						0						0		
11/2/14						0						0		
11/3/14		14				14		154				154	7	7
11/4/14		26				26		286				286	7	7
11/5/14						0						0		
11/6/14						0						0		
11/7/14						0						0		
11/8/14						0						0		
11/9/14						0						0		
11/10/14					18	18					198	198	5	5
11/11/14	8				10	18	88				110	198	7	7
11/12/14	5		8			13	55		88			143	2	2
11/13/14			18			18			198			198	7	7
11/14/14					30	30					330	330	6	6
11/15/14						0						0		
11/16/14						0						0		
11/17/14						0						0		
11/18/14						0						0		
11/19/14						0						0		
11/20/14						0						0		
11/21/14						0						0		
11/22/14		24				24		264				264	5	5
11/23/14						0						0		
11/24/14						0						0		
11/25/14						0						0		
11/26/14			11		19	30			121		209	330	8	8
11/27/14						0						0		
11/28/14					30	30					330	330	6	6
11/29/14		19	10			29		209	110			319	5	5
11/30/14						0						0		
November	13	93	47	0	107	260	143	913	617	0	1,177	2,750	66	65
YTD	640	1,800	693	134	342	3,409	6,907	19,800	6,623	1,474	3,762	37,466	1,591	1,019

REPUBLIC SERVICES, INC.

Machine Log Form - Soil Tracking

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	Machine Load Count						Machine Production (cy)						Hourly Production	
Date	Daily cover	Int. Cover	Interior Roads (placed inside waste footprint)	Other Soil Hauled (placed outside waste footprint)	Certified Final Cover	Total	Daily cover	Int. Cover	Interior Roads placed inside waste footprint	Other soils hauled outside waste footprint	Certified Final Cover	Total	Machine hours from pre op	Operators total Timecard hours
12/1/14	22					22	242					242	8	4
12/2/14						0						0		
12/3/14			18			18			198			198	8	4
12/4/14	27		10			37	297		110			407	16	8
12/5/14		17				17		187				187	8	4
12/6/14	18					18	198					198	12	12
12/7/14						0						0		
12/8/14						0						0		
12/9/14			15			15			165			165	12	6
12/10/14	8		10			18	88		110			198	8	4
12/11/14	6		20			26	66		220			286	12	6
12/12/14						0						0		
12/13/14						0						0		
12/14/14						0						0		
12/15/14						0						0		
12/16/14		25				25		275				275	10	5
12/17/14			13			13			143			143	8	4
12/18/14			30			30			330			330	14	7
12/19/14		27				27		297				297	16	8
12/20/14						0						0		
12/21/14						0						0		
12/22/14		11				11		121				121	8	4
12/23/14			16			16			176			176	10	5
12/24/14						0						0		
12/25/14						0						0		
12/26/14		25				25		275				275	12	6
12/27/14			18			18			198			198	12	6
12/28/14						0						0		
12/29/14		9	7			16		99	77			176	16	8
12/30/14		14				14		154				154	8	4
12/31/14		17				17		187				187	14	7
December	81	145	157	0	0	383	891	1,595	1,727	0	0	4,213	212	112
YTD	821	1,945	750	134	342	3,792	6,799	21,395	8,250	1,474	3,762	41,679	1,803	1,131

IV. Environmental Monitoring

A. The groundwater results have already been sent to the Division.
B. The leachate produced at Green Valley was handled at the Ashland Waste Water Treatment Plant of Ashland, KY or Huntington Sanitary Board of Huntington, WV.
C. Gas Monitoring Data.

MONTHLY LEACHATE TRACKING

Oct-14

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	68	83496	1	5462.83	0	0	VALICOR
2	0	0	1	5558.75	0	0	VALICOR
3	0	0	1	5131.89	0	0	VALICOR
4	0	0	0	0	0	0	VALICOR
5	0	0	0	0	0	0	VALICOR
6	64	77328	2	11170.26	0.7	0	VALICOR
7	0	0	0	0	0.3	0	VALICOR
8	0	0	2	11410.07	0	0	VALICOR
9	0	0	2	11297.36	0	0	VALICOR
10	60	71154	1	5601.92	0	0	VALICOR
11	0	0	0	0	0	0	VALICOR
12	0	0	0	0	0	0	VALICOR
13	57	66534	3	16503.6	0	0	VALICOR
14	53	60606	0	0	0	0	VALICOR
15	55	63468	0	0	0	0	VALICOR
16	57	66534	0	0	0	0	VALICOR
17	0	0	0	0	0	0	VALICOR
18	0	0	0	0	0	0	VALICOR
19	0	0	0	0	0	0	VALICOR
20	72	89442	1	5714.63	0	0	VALICOR
21	69	84939	1	5587.53	0	0	VALICOR
22	0	0	1	5661.87	0	0	VALICOR
23	0	0	2	11105.52	0	0	VALICOR
24	0	0	0	0	0	0	VALICOR
25	0	0	0	0	0	0	VALICOR
26	0	0	0	0	0	0	VALICOR
27	65	78873	1	5692.65	0	0	VALICOR
28	0	0	1	5642.69	0.2	0	VALICOR
29	0	0	0	0	0.2	0	VALICOR
30	0	0	1	5755.4	0	0	VALICOR
31	0	0	0	0	0	0	VALICOR
	Totals		21	117296.97			

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	68	73644	2	11055.16	0	0	VALICOR
2	0	0	4	22354.92	0	0	VALICOR
3	0	0	2	11170.26	0	0	VALICOR
4	0	0	0	0	0	0	VALICOR
5	0	0	0	0	0	0	VALICOR
6	66	71478	3	15091.13	0.7	0	VALICOR
7	0	0	1	5532.37	0.3	0	VALICOR
8	0	0	3	16110.31	0	0	VALICOR
9	0	0	3	16702.64	0	0	VALICOR
10	60	64980	3	17057.55	0	0	VALICOR
11	0	0	0	0	0	0	VALICOR
12	0	0	0	0	0	0	VALICOR
13	59	63897	3	16642.69	0	0	VALICOR
14	51	55233	2	11172.66	0	0	VALICOR
15	54	58482	0	0	0	0	VALICOR
16	58	62814	0	0	0	0	VALICOR
17	0	0	0	0	0	0	VALICOR
18	0	0	0	0	0	0	VALICOR
19	0	0	0	0	0	0	VALICOR
20	75	81225	3	16899.28	0	0	VALICOR
21	72	77976	3	16764.99	0	0	VALICOR
22	0	0	2	11486.81	0	0	VALICOR
23	0	0	3	16868.11	0	0	VALICOR
24	0	0	2	11273.38	0	0	VALICOR
25	0	0	0	0	0	0	VALICOR
26	0	0	0	0	0	0	VALICOR
27	72	77976	3	17033.57	0	0	VALICOR
28	0	0	3	16930.46	0.2	0	VALICOR
29	0	0	2	11364.51	0.2	0	VALICOR
30	0	0	2	11268.59	0	0	VALICOR
31	0	0	0	0	0	0	VALICOR
	Totals		49	272779.39			

390076.36	Gallons
70	Loads

MONTHLY LEACHATE TRACKING

Nov-14

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	0	0	0	0	0	0	VALICOR
2	0	0	0	0	0	0	VALICOR
3	67	81957	1	5697.84	0	0	VALICOR
4	0	0	0	0	0	0	VALICOR
5	0	0	1	5494	0	0	VALICOR
6	64	77328	1	5630.7	0	0	VALICOR
7	0	0	1	5623.5	0	0	VALICOR
8	61	72660	0	0	0	0	VALICOR
9	0	0	0	0	0	0	VALICOR
10	0	0	2	11249.4	0	0	VALICOR/ASH
11	62	74244	1	5599.52	0	0	VALICOR/ASH
12	61	72660	1	5616.31	0	0	Ashland WWTP
13	58	68076	2	11160.67	0	0	ASH/WURTLAND
14	53	60606	2	10743.41	0	0	Ashland WWTP
15	0	0	0	0	0	0	Ashland WWTP
16	0	0	0	0	0	0	Ashland WWTP
17	0	0	2	11270.98	0	0	ASH/WURTLAND
18	0	0	1	5604.32	0	0	ASH/WURTLAND
19	0	0	1	5642.69	0	0	ASH/WURTLAND
20	0	0	2	11127.1	0	0	ASH/WURTLAND
21	43	45624	1	5652.28	0	0	ASH/WURTLAND
22	0	0	0	0	0	0	Ashland WWTP
23	0	0	0	0	0	0	Ashland WWTP
24	0	0	0	0	0	0	Ashland WWTP
25	49	54480	0	0	0	0	Ashland WWTP
26	52	59082	0	0	0	0	Ashland WWTP
27	0	0	0	0	0	0	Ashland WWTP
28	0	0	0	0	0	0	Ashland WWTP
29	0	0	0	0	0	0	Ashland WWTP
30	0	0	0	0	0	0	Ashland WWTP
31	0	0	0	0	0	0	Ashland WWTP
		Totals	19	106112.72			

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	0	0	0	0	0	0	VALICOR
2	0	0	0	0	0	0	VALICOR
3	71	76893	2	11064.75	0	0	VALICOR
4	0	0	0	0	0	0	VALICOR
5	0	0	2	11184.65	0	0	VALICOR
6	64	69312	3	17047.96	0	0	VALICOR
7	0	0	2	11302.16	0	0	VALICOR
8	62	67146	0	0	0	0	VALICOR
9	0	0	0	0	0	0	VALICOR
10	0	0	3	16815.35	0	0	VALICOR/ASH
11	60	64980	3	16820.14	0	0	VALICOR/ASH
12	68	73644	3	16484.41	0	0	Ashland WWTP
13	50	54150	3	16741.01	0	0	ASH/WURTLAND
14	48	51984	1	5446.04	0	0	Ashland WWTP
15	0	0	0	0	0	0	Ashland WWTP
16	0	0	0	0	0	0	Ashland WWTP
17	0	0	3	16436.45	0	0	ASH/WURTLAND
18	0	0	2	10587.53	0	0	Ashland WWTP
19	0	0	3	15978.9	0	0	ASH/WURTLAND
20	0	0	3	16836.93	0	0	ASH/WURTLAND
21	44	47652	2	11105.52	0	0	ASH/WURTLAND
22	0	0	0	0	0	0	Ashland WWTP
23	0	0	0	0	0	0	Ashland WWTP
24	0	0	0	0	0	0	Ashland WWTP
25	51	55233	2	11350.12	0	0	Ashland WWTP
26	55	59565	0	0	0	0	Ashland WWTP
27	0	0	0	0	0	0	Ashland WWTP
28	0	0	0	0	0	0	Ashland WWTP
29	0	0	0	0	0	0	Ashland WWTP
30	0	0	0	0	0	0	Ashland WWTP
31	0	0	0	0	0	0	Ashland WWTP
		Totals	37	205201.92			

311314.64	Gallons
56	Loads

MONTHLY LEACHATE TRACKING

Dec-14

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	68	83496	0	0	0	0	Ashland WWTP
2	0	0	0	0	0	0	Ashland WWTP
3	0	0	0	0	0	0	Ashland WWTP
4	74	92496	0	0	0	0	Ashland WWTP
5	79	100026	0	0	0	0	Ashland WWTP
6	0	0	0	0	0	0	Ashland WWTP
7	0	0	0	0	0	0	Ashland WWTP
8	90	115788	0	0	0	0	Ashland WWTP
9	95	0	0	0	0	0	Ashland WWTP
10	100	129060	0	0	0	0	Ashland WWTP
11	115	145128	4	22686	0	0	Ashland WWTP
12	94	121272	7	38965	0	0	Ashland WWTP
13	0	0	0	0	0	0	Ashland WWTP
14	0	0	0	0	0	0	Ashland WWTP
15	77	96526	5	28500	0	0	Ashland WWTP
16	67	81957	1	5616.3	0	0	Ashland WWTP
17	64	77328	0	0	0	0	Ashland WWTP
18	68	83496	7	39144	0	0	Ashland WWTP
19	0	0	2	11094	0	0	ASH / VALICOR
20	0	0	0	0	0	0	Ashland WWTP
21	0	0	0	0	0	0	Ashland WWTP
22	48	53040	4	22026	0	0	VALICOR
23	40	41274	1	5434.1	0	0	Ashland WWTP
24	45	48570	0	0	0	0	Ashland WWTP
25	0	0	0	0	0	0	Ashland WWTP
26	55	63468	0	0	0	0	Ashland WWTP
27	0	0	0	0	0	0	Ashland WWTP
28	0	0	0	0	0	0	Ashland WWTP
29	63	75786	0	0	0	0	Ashland WWTP
30	0	0	0	0	0	0	Ashland WWTP
31	0	0	0	0	0	0	Ashland WWTP
	Totals		31	173465			

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	76	82308	0	0	0	0	Ashland WWTP
2	0	0	4	22624	0	0	Ashland WWTP
3	0	0	4	21300	0	0	Ashland WWTP
4	64	69312	3	16923	0	0	Ashland WWTP
5	59	63897	0	0	0	0	Ashland WWTP
6	0	0	0	0	0	0	Ashland WWTP
7	0	0	0	0	0	0	Ashland WWTP
8	69	74727	6	34245	0	0	Ashland WWTP
9	64	69312	4	22525	0	0	Ashland WWTP
10	60	64980	5	28221	0	0	Ashland WWTP
11	48	51984	3	16187	0	0	Ashland WWTP
12	39	42237	0	0	0	0	Ashland WWTP
13	0	0	0	0	0	0	Ashland WWTP
14	0	0	0	0	0	0	Ashland WWTP
15	52	56316	0	0	0	0	Ashland WWTP
16	56	60648	0	0	0	0	Ashland WWTP
17	60	64980	0	0	0	0	Ashland WWTP
18	64	69312	0	0	0	0	Ashland WWTP
19	68	73644	0	0	0	0	Ashland WWTP
20	0	0	0	0	0	0	Ashland WWTP
21	0	0	0	0	0	0	Ashland WWTP
22	80	86640	0	0	0	0	VALICOR
23	84	90972	5	27887	0	0	ASH / VALICOR
24	72	77976	0	0	0	0	Ashland WWTP
25	0	0	0	0	0	0	Ashland WWTP
26	76	82308	2	11331	0	0	Ashland WWTP
27	0	0	0	0	0	0	Ashland WWTP
28	0	0	0	0	0	0	Ashland WWTP
29	88	94972	4	22532	0	0	ASH / VALICOR
30	0	0	5	22223	0	0	ASH / VALICOR
31	0	0	4	21998	0	0	ASH / VALICOR
	Totals		49	267995			

441460.44	Gallons
80	Loads

Monitoring Control and Compliance, Inc.

January 8, 2015

Mr. Kim Cecil
Green Valley Landfill General Partnership
PO Box 9
Rush, KY 41168

Subject: Fourth Quarter 2014 Surface Emissions Monitoring Report
Green Valley Landfill – Ashland, Kentucky

Dear Mr. Cecil:

Please accept this correspondence as documentation of the Fourth Quarter 2014 surface emission monitoring (SEM) activities performed by Monitoring Control and Compliance, Inc. (MCC) at Green Valley Landfill. The surface emission monitoring addressed areas of Green Valley Landfill that fall under the New Source Performance Standards (NSPS). Activities were conducted in accordance with the published landfill performance sections: 40 CFR 60.753(d) - Surface Scan Requirements, 40 CFR 60.755(c) - Surface Scan Compliance Provisions, and 40 CFR 60 Appendix A, Method 21 - Equipment Performance Provisions.

The initial scan was conducted on December 8, 2014. There were three methane concentrations that were detected during the 4th Quarter Surface Emission Monitoring that was greater than the surface methane operational standard. The site coordinated repairs and a corresponding 10-day re-check was performed on December 18, 2014. The area passed the 10-day recheck. The 30-day recheck was performed on January 7, 2015 with the area less than the surface methane operational standard. The surface scan results, scan route map, calibration sheets, and SEM tracking sheet can be viewed in Attachment A.

If you have any questions or comments, please feel free to contact me at (614) 395-5766 or via email at paul.flory@landfillgasom.com.

Sincerely,

Paul D. Flory
Regional Manager
Monitoring Control and Compliance, Inc.

CC: Mr. William Chlebowy (Republic)

ATTACHMENT A

Surface Emission Monitoring Data

Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley 4th Quarter Initial**

Monitoring Date: Monday, December 08, 2014 Performed By: Zack Ankney

Time: 10:15:00 Expiration Date: 3/8/2014

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 502.3 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 501.6 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 500.3 ppm (6)

Calculate Precision:

= **-0.28** % (result must be less than +/- 10%)

((STD-(2)+(STD-(4)+(STD-(6))/3 x (1/500) x (100/1)

Instrument Response Time Record

Landfill Name: **Green Valley 4th Quarter Initial**

Monitoring Date: Monday, December 08, 2014 Time: 10:15:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas 502.3 ppm

90% of the stabilized reading = 452.07 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 14 seconds (1)

Measurement #2

Stabilized reading using calibration gas 501.6 ppm

90% of the stabilized reading = 451.44 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 14 seconds (2)

Measurement #3

Stabilized reading using calibration gas 500.3 ppm

90% of the stabilized reading = 450.27 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 15 seconds (3)

Calculate Response Time = 14.33 seconds (must be less than 30 seconds)

(1) + (2) + (3) / 3

Performed By: Zack Ankney Date: 12/8/14

Calibration Procedure and Background Report

Landfill Name: **Green Valley 4th Quarter Initial**

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 501.1 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 1.7 ppm (1)
2. Downwind reading (highest in 30 seconds) 2.6 ppm (2)

Calculate Background Value: (1) + (2) / 2

Background = 2.15 ppm

Performed By: Zack Ankney

Date: 12/08/14 Time: 10:15:00

Quarterly Surface Monitoring Log Sheet

Landfill Name: **Green Valley 4th Quarter Initial**

Performed By: Zack Ankney

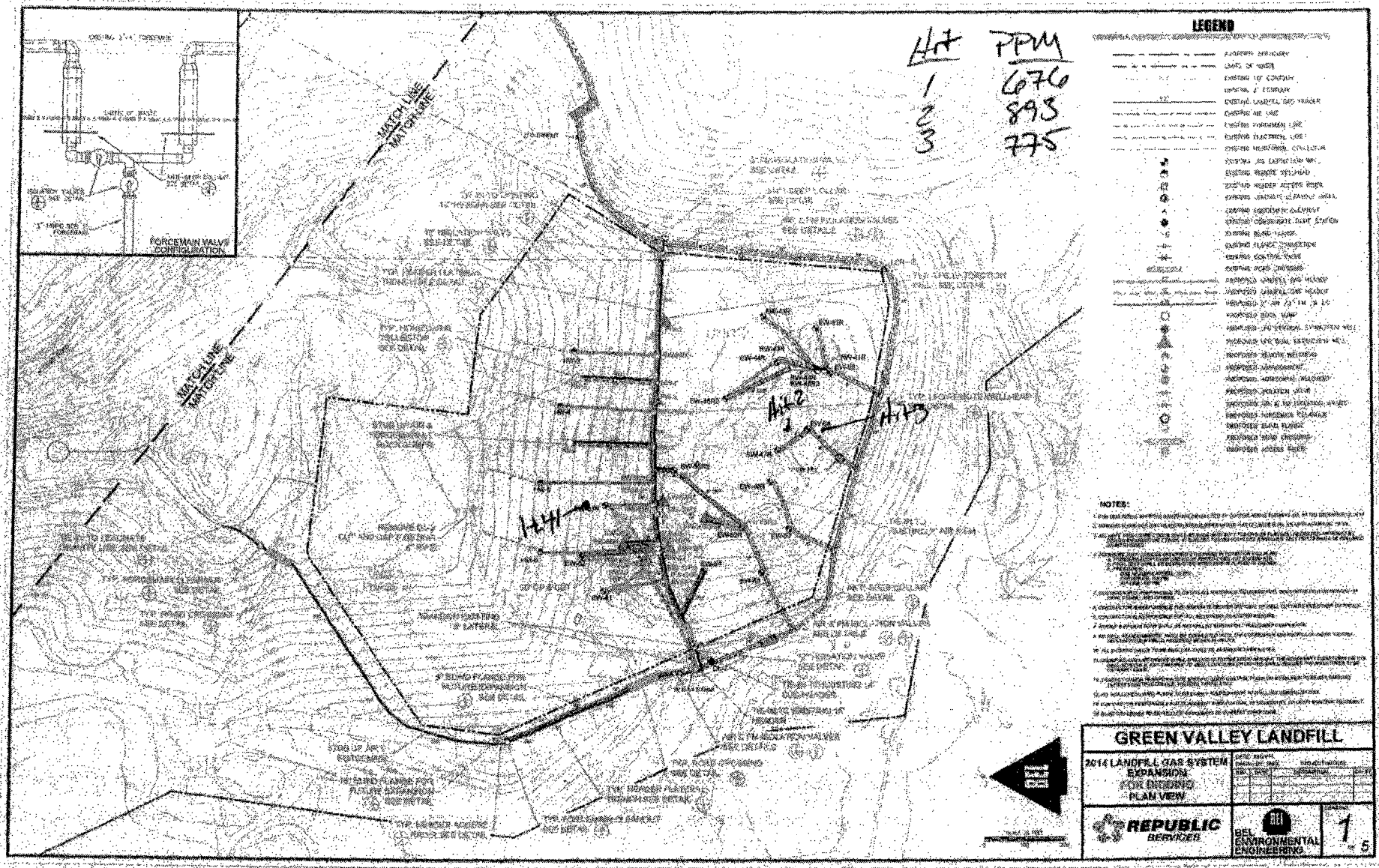
Date: Monday, December 08, 2014

Start Time: 10:15:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	75' N of EW63R @ 10:46	676
Hit 2	30' N of EW56 @ 11:12	893
Hit 3	25' S of EW56 @ 12:46	775

WEATHER CONDITIONS:	
Temperature:	45 ° F
Barametric Pressure:	30.3 In.
Wind Speed/Direction:	ESE @ 4 MPH
Conditions:	Cloudy

Green Valley 4th Qtr Initial 12/8/14



Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley (4th Quarter 10-Day Rechecks)**

Monitoring Date: Thursday, December 18, 2014 Performed By: Zack Ankney

Time: 13:15:00 Expiration Date: 3/18/2015

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 498.7 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 497.9 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 497.3 ppm (6)

Calculate Precision:

= **0.41** % (result must be less than +/- 10%)

((STD-(2)+(STD-(4)+(STD-(6))/3 x (1/500) x (100/1)

Instrument Response Time Record

Landfill Name: **Green Valley (4th Quarter 10-Day Rechecks)**

Monitoring Date: Thursday, December 18, 2014 Time: 13:15:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas	498.7	ppm
90% of the stabilized reading =	448.83	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	14	seconds (1)

Measurement #2

Stabilized reading using calibration gas	497.9	ppm
90% of the stabilized reading =	448.11	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	13	seconds (2)

Measurement #3

Stabilized reading using calibration gas	497.3	ppm
90% of the stabilized reading =	447.57	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	13	seconds (3)

Calculate Response Time = 13.33 seconds (must be less than 30 seconds)

(1) + (2) + (3) / 3

Performed By: Zack Ankney Date: 12/18/14

Calibration Procedure and Background Report

Landfill Name: **Green Valley (4th Quarter 10-Day Rechecks)**

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 500.5 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 2.6 ppm (1)
2. Downwind reading (highest in 30 seconds) 3.7 ppm (2)

Calculate Background Value: (1) + (2) / 2

Background = 3.15 ppm

Performed By: Zack Ankney

Date: 12/18/14 Time: 13:15:00

Quarterly Surface Monitoring Log Sheet

Landfill Name: **Green Valley (4th Quarter 10-Day Rechecks)**

Performed By: Zack Ankney

Date: Thursday, December 18, 2014

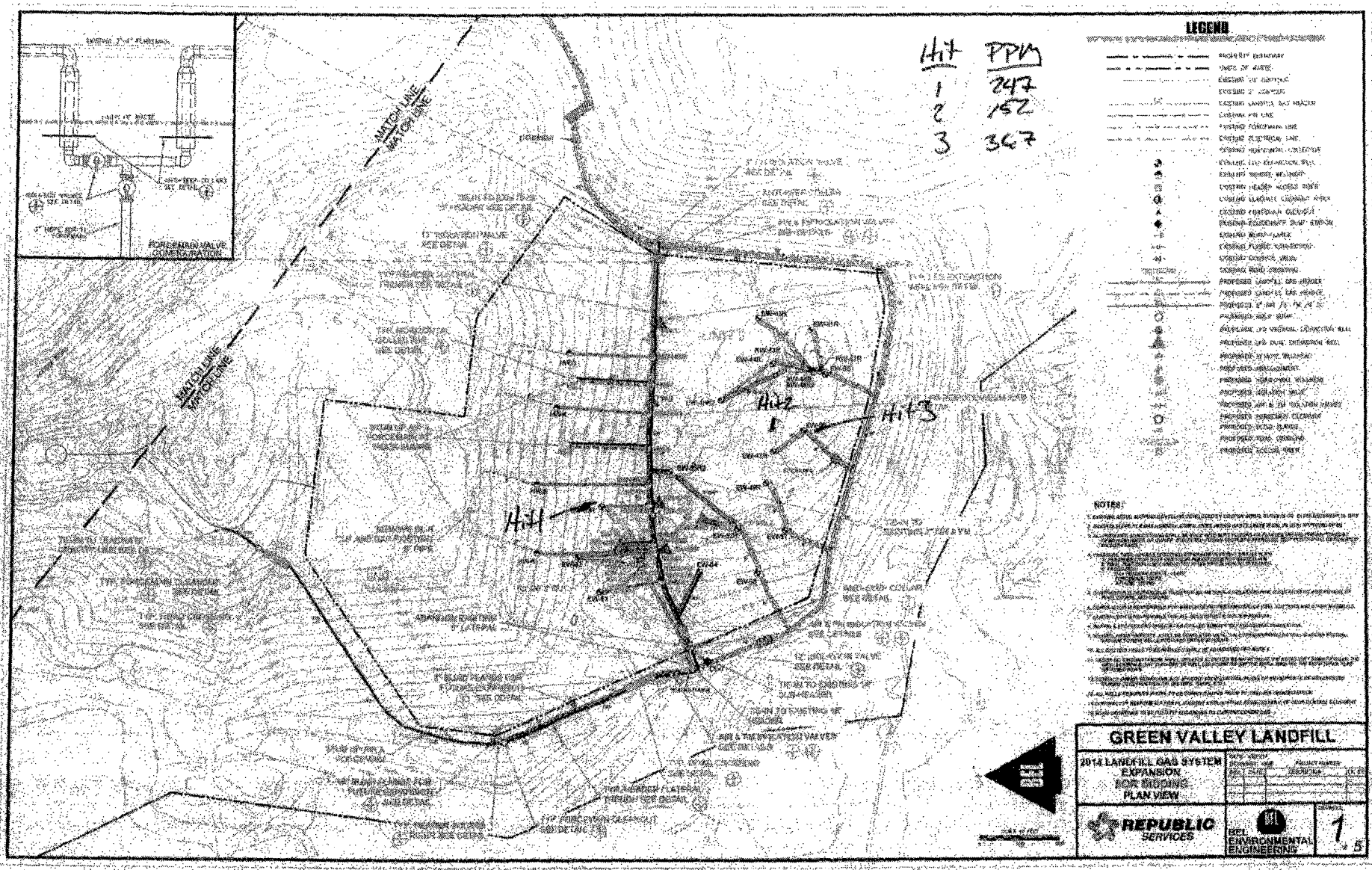
Start Time: 13:15:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	75' N of EW63R @ 13:34	247
Hit 2	30' N of EW56 @ 13:39	152
Hit 3	25' S of EW56 @ 13:42	367

WEATHER CONDITIONS:	
Temperature:	35 ° F
Barametric Pressure:	30.2 In.
Wind Speed/Direction:	NNW @ 2 MPH
Conditions:	Cloudy

Green Valley 4th Qtr 10 Day Recheck 12/18/14

Hit	PPM
1	247
2	152
3	367



Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley (4th Quarter 30-Day Rechecks)**

Monitoring Date: Wednesday, January 07, 2015 Performed By: Zack Ankney

Time: 9:15:00 Expiration Date: 4/7/2015

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 498.5 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 497.8 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 497.2 ppm (6)

Calculate Precision:

= **0.43** % (result must be less than +/- 10%)

((STD-(2)+(STD-(4)+(STD-(6))/3 x (1/500) x (100/1)

Instrument Response Time Record

Landfill Name: **Green Valley (4th Quarter 30-Day Rechecks)**

Monitoring Date: Wednesday, January 07, 2015 Time: 9:15:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas	498.5	ppm
90% of the stabilized reading =	448.65	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	14	seconds (1)

Measurement #2

Stabilized reading using calibration gas	497.8	ppm
90% of the stabilized reading =	448.02	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	15	seconds (2)

Measurement #3

Stabilized reading using calibration gas	497.2	ppm
90% of the stabilized reading =	447.48	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	14	seconds (3)

Calculate Response Time = 14.33 seconds (must be less than 30 seconds)

(1) + (2) + (3) / 3

Performed By: Zack Ankney Date: 1/7/15

Calibration Procedure and Background Report

Landfill Name: **Green Valley (4th Quarter 30-Day Rechecks)**

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 500.3 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 2.1 ppm (1)
2. Downwind reading (highest in 30 seconds) 3.4 ppm (2)

Calculate Background Value: (1) + (2) / 2

Background = 2.75 ppm

Performed By: Zack Ankney

Date: 01/07/15 Time: 9:15:00

Quarterly Surface Monitoring Log Sheet

Landfill Name: **Green Valley (4th Quarter 30-Day Rechecks)**

Performed By: Zack Ankney

Date: Wednesday, January 07, 2015

Start Time: 9:15:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	75' N of EW63R @ 9:24	231
Hit 2	30' N of EW56 @ 9:29	156
Hit 3	25' S of EW56 @ 9:32	263

WEATHER CONDITIONS:	
Temperature:	17 ° F
Barametric Pressure:	30.4 In.
Wind Speed/Direction:	NNW @ 9 MPH
Conditions:	Cloudy

Green Valley			
Surface Emissions Exceedance Log			
4th Qtr. 2014			
Location Tag	1	2	3
Locational Description (apx.)	75' N of EW63R	30' N of EW56	25' S of EW56
Concentration above Bkgd (PPM)	676	893	775
Date Location Marked in Field	8-Dec-14	8-Dec-14	8-Dec-14
Date Location Recorded SEM Map	8-Dec-14	8-Dec-14	8-Dec-14
Description of Corrective Action Taken			
Date Corrective Action Taken			
Responsible Party for Corrective Action	Site	Site	Site
10-Day Remonitoring Due NLT	18-Dec-14	18-Dec-14	18-Dec-14
Date Remonitor Performed	18-Dec-14	18-Dec-14	18-Dec-14
Concentration above Bkgd (PPM)	247	152	167
If >500 Above Background, date next 10-day remonitor is Due, if required	N/A	N/A	N/A
Description of Corrective Action Taken			
Date Corrective Action Taken	N/A	N/A	N/A
Responsible Party for Corrective Action			
Second 10-day Remonitoring, if Req'd			
Concentration above Bkgd (PPM)			
One-month Remonitoring Due (+/- 2 days)	7-Jan-15	7-Jan-15	7-Jan-15
Date Remonitor Performed	7-Jan-15	7-Jan-15	7-Jan-15
Concentration above Bkgd (PPM)	281	156	263
Installation NLT/Alt. Plan (120 Days)			
Remarks			

RECEIVED 11/15

Monitoring Control and Compliance, Inc.

November 10, 2014

Mr. Kim Cecil
Green Valley Landfill General Partnership
PO Box 9
Rush, KY 41168

Subject: Monthly LFG Report for October 2014
Green Valley Landfill – Ashland, Kentucky

Dear Mr. Cecil:

Monitoring Control and Compliance, Inc. (MCC) is submitting the following monthly landfill gas system monitoring and information report for the Green Valley Landfill using information collected during the month of October 2014.

In this report you will find the following:

- Plant, flare and blower operation summaries.
- Summary of the monthly wellhead monitoring results including well compliance issues.
- Discussion of O & M activities throughout the month, including compliance related issues and recommendations for improvements.
- Data collected and compiled while performing monthly activities.
- Gas system monitoring data.

If you have any questions or comments, please feel free to contact me at (614) 395-5766 or at paul.flory@landfillgasom.com.

Sincerely,

Monitoring Control and Compliance, Inc.

Paul D. Flory
Regional Manager

CC: William L. (Bill) Chlebowy, P.E.
Dana Oleniacz

OCTOBER 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the October 9, 2014 monitoring event, the gas quality at the blower inlet was 52.1% CH4, 32.4% CO2, 1.3% O2 and 14.2% balance gas. The applied vacuum to the wellfield was -27.18 inches of water and the flow was 660 SCFM.

Final Flare Readings

At the end of the tuning event on October 23, 2014, the gas quality going to the blower inlet was 49.1% CH4, 32.8% CO2, 1.2% O2 and 16.9% balance gas. The applied vacuum to the wellfield was -27.22 inches of water and the flow was 700 SCFM.

The flare operated for 629 hours with an average flow of 209 SCFM during October 2014.

Table 1-1 Control System Down Time Report

Start time	End Time	Comments
10/3 21:28	10/8 13:04	Power Failure-24V Power Supply

SSM forms for the applicable period can be found in Attachment F.

Monthly Wellhead Monitoring Results

There are a total of 61 monitoring points (56 wells, 6 horizontal wells) associated with, and monitored, as part of the monthly monitoring events.

- Four (4) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Thirteen (13) wells exceeded the 58% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Forty-seven (47) wells exceeded the 52% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Twenty (20) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Seven (7) wells recorded flow below the site's SOP of 5 SCFM see attachment E.

A copy of the **Landfill Gas System Monitoring Data**, to be placed in the Operating Record, can be viewed in Attachment B.

Equipment calibration information for the October 2014 Landfill Gas System Monitoring Data can also be viewed in Attachment C.

Wells found to be operating outside of Republic's standard operating procedures (SOP) during the month of October 2014 are shown in Attachment E.

Table 2-1 (below) indicates wells operating outside of the NSPS operational parameters for more than 15 days during the month of October 2014.

Table 2-1: October 2014 - Wells Operating Outside NSPS Standards for greater than 15 days

Extraction Well No.	Parameter	Comments
GRNV46R2	O2	Operated outside NSPS standards from 10/9/14 through the end of October 2014.
GRNVL44R	O2	Operated outside NSPS standards from 10/9/14 through the end of October 2014.
GRNVL63R	O2	Operated outside NSPS standards from 9/25/14 through end of October 2014.
GRNVLY04	O2	Operated outside NSPS standards from 8/12/14 through the end of October.

Collection System Operations and Maintenance

During the month of October, MCC performed multiple tasks in support of the landfill gas collection system:

- No wells were activated during the month of October 2014.
- No wells were decommissioned during the month of October 2014.
- 59 semi-annual liquid levels were read during the month of October 2014.
- Pump maintenance was completed on the following wells: PW2, EW35, EW49R, EW59R, and EW61. These reports can be viewed in Attachment I.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.

Quarterly Surface Emissions Monitoring

The 4th quarter Initials Surface Emission Monitoring will be completed on November 26, 2014.

Perimeter Probe and Building Monitoring

The 4th quarter 2014 perimeter probe and on-site structure monitoring has not been performed yet.

Recommendations

Based on well field readings and along with investigations, MCC recommends Republic consider the following items be addressed:

- The following wells need 2" kanaflex: 01, 04, 03, 13R, 23, 21, 29, and 02.
- The following wells need 3" kanaflex: 30 and 16.
- The following wells need 6" hose clamps: 43R and 44R.
- Camera investigations are recommended for well EW44R (vertical well), EW43R (vertical well & remote lateral), EW46R2 (vertical well), and EW63R (vertical well & remote lateral).

This report contains the following appendices':

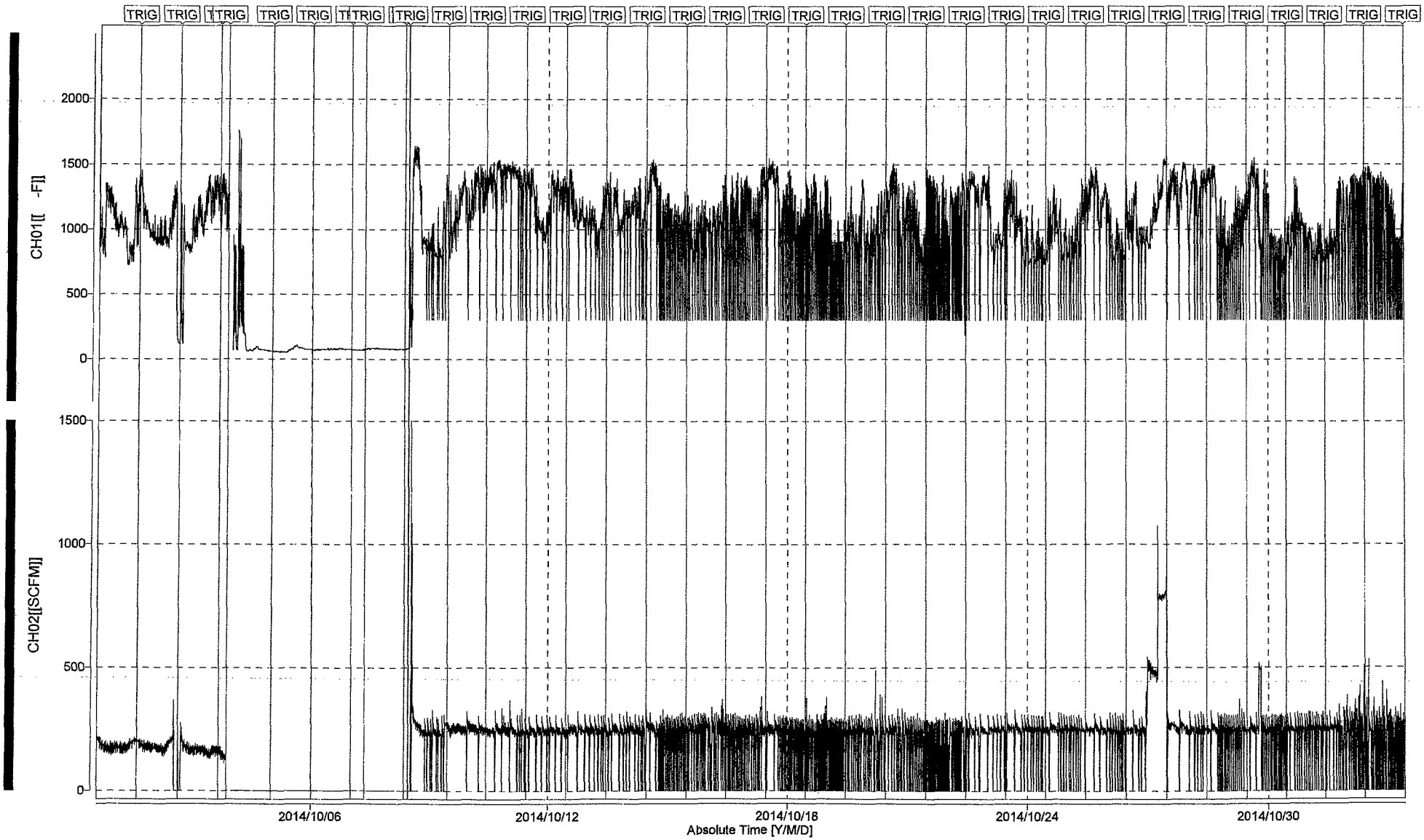
Attachment A – Flare Chart Records
Attachment B – Landfill Gas System Monitoring Data
Attachment C – Gas meter calibration records
Attachment D – O & M Form
Attachment E – Wellfield SOP summary
Attachment F– SSM Forms (if required)
Attachment G – Pump Count Table (if required)
Attachment H – Cover Integrity Inspection (if required)
Attachment I – Additional miscellaneous information
Attachment J – Annual Rolling Data Table

ATTACHMENT A

Flare Chart Records

File Name	: 93016404.DDS,...,Y0111044.DDS	Data Count	: 5898
Device Type	: FX100	Sampling Interval	: 480.000 sec
Serial No.	: S5DB05975	Start Time	: 2014/09/30 16:40:00.000
File Message	:	Stop Time	: 2014/11/02 09:56:00.000
Time Correction	: None	Trigger Time	: 2014/11/02 09:56:00.000
Starting Condition	: Auto	Trigger No.	: 5897
Dividing Condition	: Auto	Damage Check	: Not Damaged
Meas Ch.	: 5		
Math Ch.	: 4		

Printed Group	: FLARE DATA
Printed Range	: 2014/09/30 16:40:00.000 - 2014/11/02 09:56:00.000
Comment	:



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - October 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
EW-27RR	10/9/2014 12:20	55.8	35.4	0.1	8.7	-0.88	-1.02	111	4	5	-24.26	Slightly Open; No Repair Needed; Good;
EW-27RR	10/9/2014 12:20	56.1	38	0	5.9	-1.16	-1.14	114	4	5	-25.68	2nd Reading; No Repair Needed; Good
EW-27RR	10/23/2014 11:47	55.1	36.7	0.1	8.1	-0.86	-0.99	115	5	6	-22.87	Slightly Open; No Repair Needed; Good;
EW-27RR	10/23/2014 11:48	55.1	37.9	0.1	6.9	-1.05		117	6		-22.27	2nd Reading; No Repair Needed; Good
EW-63R	10/9/2014 8:56	38	24.1	7.9	30	-15.62	-15.57	63	11	13	-15.58	Slightly Closed; No Repair Needed; Fair
EW-63R	10/9/2014 8:57	39	23.7	7.6	29.7	-15.62	-15.57	59	10	8	-15.54	2nd Reading; No Repair Needed; Fair
EW-63R	10/23/2014 7:50	33.4	25.2	9	32.4	10.44	-7.55	57	0	0	-24.17	Slightly Open; No Repair Needed; Fair
EW-63R	10/23/2014 7:51	35.4	23.2	8.6	32.8	-25.84		51	7		-25.68	2nd Reading; No Repair Needed; Fair
GRNV17R2	10/9/2014 11:02	54.6	34.6	0	10.8	-2.51	-2.59	97	17	16	-19.34	Slightly Open; No Repair Needed; Good
GRNV17R2	10/9/2014 11:02	54.7	35.4	0	9.9	-2.66	-2.62	98	19	17	-20.03	2nd Reading; No Repair Needed; Good
GRNV17R2	10/23/2014 9:55	51	34.9	0	14.1	-3.37		96	26		-15.54	No Change; No Repair Needed; Good
GRNV46R2	10/9/2014 9:51	0.6	4.8	20.8	73.8	-26.92	-24.42	65	0	9	-26.63	Slightly Closed; No Repair Needed; Fair
GRNV46R2	10/9/2014 9:52	0.2	0.5	21.8	77.5	-13.37	-13.03	65	10	10	-26.59	2nd Reading; No Repair Needed; Fair
GRNV46R2	10/23/2014 8:44	35.7	18.2	8.5	37.6	-17.04	-16.01	50	11	11	-26.72	Slightly Closed; No Repair Needed; Fair; camera investigation required
GRNV46R2	10/23/2014 8:44	36	16.8	8.8	38.4	-0.27		49	7		-27.06	2nd Reading; No Repair Needed; Fair
GRNV50R3	10/9/2014 9:18	50.4	35.5	0	14.1	-11.3	-11.3	104	22	22	-27.45	No Change; No Repair Needed; Good
GRNV50R3	10/23/2014 8:12	48	36.2	0	15.8	-11.69		104	23		-27.79	No Change; No Repair Needed; Good
GRNV64R2	10/9/2014 8:53	60.2	38.6	0.2	1	-6.47	-9.92	119	41	34	-15.67	Slightly Open; No Repair Needed; Good;
GRNV64R2	10/9/2014 8:54	59.9	39.8	0	0.3	-11.95	-12.12	119	28	29	-15.58	2nd Reading; No Repair Needed; Good
GRNV64R2	10/23/2014 7:47	58.8	41.2	0	0	-13.76	-15.83	118	23	30	-17.52	Slightly Open; No Repair Needed; Good;
GRNV64R2	10/23/2014 7:48	59.2	40.8	0	0	-19.97		119	29		-21.58	2nd Reading; No Repair Needed; Good
GRNV65R2	10/9/2014 8:49	2.7	7.8	19.7	69.8	-6.51	-6.51	56	3	0	-16.57	Slightly Closed; No Repair Needed; Fair; camera investigation required
GRNV65R2	10/9/2014 8:50	2.8	2.8	20.6	73.8	-6.51	-6.51	55	7	2	-16.27	2nd Reading; No Repair Needed; Fair
GRNV65R2	10/23/2014 7:44	59.3	39.5	0	1.2	4.13	-0.36	50	8	0	-15.32	Slightly Open; No Repair Needed; Good
GRNV65R2	10/23/2014 7:45	58.7	41.3	0	0	-7.89		47	4		-15.28	2nd Reading; No Repair Needed; Good
GRNVL08R	10/9/2014 11:08	55.5	35.1	0	9.4	-1.82	-1.88	94	14	10	-20.41	Slightly Open; No Repair Needed; Good;
GRNVL08R	10/9/2014 11:09	54.6	36.4	0	9	-1.93	-1.94	96	13	12	-20.2	2nd Reading; No Repair Needed; Good
GRNVL08R	10/23/2014 10:00	49.3	35.1	0	15.6	-2.36		95	9		-14.59	No Change; No Repair Needed; Good; 69517
GRNVL10R	10/9/2014 12:14	54.9	35.9	0.7	8.5	-2.16	-2.16	119	18	20	-20.76	No Change; No Repair Needed; Good; 608
GRNVL10R	10/23/2014 11:41	54	34.5	1	10.5	-1.69		118	39		-18.6	No Change; No Repair Needed; Good
GRNVL13R	10/9/2014 10:30	54.9	35.6	0	9.5	-10.96	-11.3	112	25	24	-20.72	Slightly Open; No Repair Needed; Good;
GRNVL13R	10/9/2014 10:31	55.3	36.6	0	8.1	-11.69	-11.65	112	33	31	-19.64	2nd Reading; No Repair Needed; Good
GRNVL13R	10/23/2014 9:24	54	35.2	0	10.8	-12.51	-13.07	111	24	39	-20.59	Slightly Open; No Repair Needed; Good;
GRNVL13R	10/23/2014 9:25	54.6	37.2	0	8.2	-13.24		111	35		-20.2	2nd Reading; No Repair Needed; Good
GRNVL18R	10/9/2014 11:23	57.4	34.5	0.1	8	-5.13	-5.82	96	32	37	-21.62	Slightly Open; No Repair Needed; Good; 291
GRNVL18R	10/9/2014 11:24	57.7	37.2	0	5.1	-6.47	-6.47	97	19	19	-22.74	2nd Reading; No Repair Needed; Good
GRNVL18R	10/23/2014 10:17	52.3	36.5	0	11.2	-6.56		96	17		-21.62	No Change; No Repair Needed; Good; 291

Green Valley Landfill
Wellfield Monitoring Data - October 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL26R	10/9/2014 10:17	55	35.4	0.1	9.5	-9.23	-9.58	101	19	27	-22.83	Slightly Open; No Repair Needed; Good;
GRNVL26R	10/9/2014 10:18	55.3	36.8	0	7.9	-9.92	-9.92	101	33	30	-22.87	2nd Reading; No Repair Needed; Good
GRNVL26R	10/23/2014 9:12	52.9	36.2	0	10.9	-10.66		100	20		-23.09	No Change; No Repair Needed; Good;
GRNVL32R	10/9/2014 11:27	55.5	37.2	0.1	7.2	-20.1	-20.06	128	27	28	-23.13	No Change; No Repair Needed; Good;
GRNVL32R	10/23/2014 10:20	54.1	37.2	0	8.7	-19.28		127	30		-21.88	No Change; No Repair Needed; Good;
GRNVL38R	10/9/2014 12:17	53.7	35.1	0	11.2	-1.75	-1.73	116	11	8	-20.11	No Change; No Repair Needed; Good; 24947
GRNVL38R	10/23/2014 11:44	44.4	33.9	0.1	21.6	-1.47	-1.45	114	8	6	-17.57	Slightly Closed; No Repair Needed; Good; 24947
GRNVL38R	10/23/2014 11:45	44.6	33.6	0	21.8	-1.12		110	6		-19.94	2nd Reading; No Repair Needed; Good
GRNVL41R	10/9/2014 10:03	54.1	32.1	0.3	13.5	-14.54	-14.54	80	18	16	-26.24	No Change; No Repair Needed; Good
GRNVL41R	10/23/2014 8:53	52.4	28.3	0.5	18.8	-14.45		72	11		-26.72	No Change; No Repair Needed; Good
GRNVL43R	10/9/2014 9:55	62.4	35	0.5	2.1	-0.13	-0.83	67	11	5	-27.67	Slightly Open; No Repair Needed; Good
GRNVL43R	10/9/2014 9:56	61.3	37.2	0.2	1.3	-5.13	-6.17	66	7	5	-26.59	2nd Reading; No Repair Needed; Good
GRNVL43R	10/23/2014 8:47	10.2	8.1	18	63.7	-26.88	-26.88	50	0	0	-27.06	Slightly Closed; No Repair Needed; Fair
GRNVL43R	10/23/2014 8:48	11.2	6.5	18.2	64.1	-26.92		49	3		-26.72	2nd Reading; No Repair Needed; Fair
GRNVL44R	10/9/2014 9:59	1.6	6.2	20.5	71.7	-26.83	-26.83	72	0	7	-26.63	Slightly Closed; No Repair Needed; Fair
GRNVL44R	10/9/2014 10:00	1.5	1.4	21.2	75.9	-26.57	-26.53	73	5	4	-26.28	2nd Reading; No Repair Needed; Fair
GRNVL44R	10/23/2014 8:50	27.3	21.2	9.7	41.8	-22.04	-21.44	48	6	5	-26.85	Slightly Closed; No Repair Needed; Fair
GRNVL44R	10/23/2014 8:51	27.7	21.5	9.5	41.3	-17.77		48	7		-26.37	2nd Reading; No Repair Needed; Fair
GRNVL47R	10/9/2014 9:43	60.5	37.2	0	2.3	6.3	-6.82	68	0	13	-26.24	Slightly Open; No Repair Needed; Good
GRNVL47R	10/9/2014 14:57	61	35.7	0.4	2.9	-9.23	-9.23	74	26	27	-26.33	No Change; No Repair Needed; Good
GRNVL47R	10/23/2014 8:35	57.2	35.9	0.1	6.8	-11.04		54	0		-26.37	No Change; No Repair Needed; Fair; surging
GRNVL49R	10/9/2014 9:45	60.4	37.8	0	1.8	-26.19	-26.23	102	19	18	-26.28	No Change; No Repair Needed; Good; 4663
GRNVL49R	10/23/2014 8:37	59.9	38.1	0	2	-26.53		101	17		-26.33	No Change; No Repair Needed; Fair; 4688; force main restricted
GRNVL52R	10/9/2014 9:35	63.5	34.7	0	1.8	-26.23	-26.19	123	21	21	-26.28	No Change; No Repair Needed; Good; 56953
GRNVL52R	10/23/2014 8:28	61.3	33.4	0.2	5.1	-26.23		119	17		-26.72	No Change; No Repair Needed; Good; 59460
GRNVL54R	10/9/2014 9:32	57.2	28.4	1.1	13.3	-10.66	-11.6	118	37	33	-26.63	Slightly Open; No Repair Needed; Good;
GRNVL54R	10/9/2014 9:33	55.8	29.7	1.3	13.2	-12.55	-12.47	119	18	16	-26.93	2nd Reading; No Repair Needed; Good
GRNVL54R	10/23/2014 8:25	53.3	28.1	0.6	18	-13.59		116	14		-26.72	No Change; No Repair Needed; Good;
GRNVL59R	10/9/2014 9:21	62.7	37	0	0.3	-18.55	-21.44	108	10	11	-26.97	Slightly Open; Pump Maintenance Required; Good; 38166
GRNVL59R	10/9/2014 9:21	64	36	0	0	-25.11	-25.11	110	13	13	-26.97	2nd Reading; No Repair Needed; Good
GRNVL59R	10/23/2014 8:15	62.5	37.3	0	0.2	-22.43	-24.16	111	10	14	-27.02	Slightly Open; No Repair Needed; Good;
GRNVL59R	10/23/2014 8:16	63.1	36.9	0	0	-25.88		113	23		-26.72	2nd Reading; No Repair Needed; Good
GRNVL60R	10/9/2014 9:23	47.9	33.1	0.1	18.9	-13.37	-13.24	86	13	11	-26.28	Slightly Closed; No Repair Needed; Good
GRNVL60R	10/9/2014 9:24	47.8	33.7	0	18.5	-12.21	-12.17	85	11	12	-26.63	2nd Reading; No Repair Needed; Good
GRNVL60R	10/23/2014 8:17	48.8	34.2	0.1	16.9	-10.66		77	8		-26.37	No Change; No Repair Needed; Good
GRNVLHW1	10/9/2014 10:28	47.5	34.4	0	18.1	-0.03	-0.03	74	14	11	-22.53	No Change; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - October 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLHW1	10/23/2014 9:22	49.9	35	0.3	14.8	-0.02		70	10		-22.53	No Change; No Repair Needed; Good
GRNVLHW3	10/9/2014 9:11	46.6	33.7	2.6	17.1	-0.1	-0.1	70	10	8	-26.63	No Change; No Repair Needed; Good
GRNVLHW3	10/23/2014 8:05	50.9	39.3	1.4	8.4	-0.19		62	6		-27.06	No Change; No Repair Needed; Good
GRNVLHW4	10/9/2014 9:04	50.8	34.6	0.6	14	-0.18	-0.16	69	13	9	-24.26	No Change; No Repair Needed; Good
GRNVLHW4	10/23/2014 7:57	51.4	36.2	0.6	11.8	-0.4		62	6		-27.75	No Change; No Repair Needed; Good
GRNVLHW5	10/9/2014 8:59	59.1	37.9	0.1	2.9	0.1	-0.02	69	37	38	-15.58	Slightly Open; No Repair Needed; Good
GRNVLHW5	10/9/2014 9:00	56.8	42.3	0	0.9	-0.05	-0.02	72	41	41	-15.15	2nd Reading; No Repair Needed; Good
GRNVLHW5	10/23/2014 7:53	51.3	33.9	1.5	13.3	-0.21		67	13		-27.06	No Change; No Repair Needed; Good
GRNVLHW6	10/9/2014 9:26	51.2	34.5	1.4	12.9	-0.47	-0.44	77	15	13	-27.28	No Change; No Repair Needed; Good
GRNVLHW6	10/23/2014 8:19	52.8	34.6	1.1	11.5	-0.41		69	11		-27.06	No Change; No Repair Needed; Good
GRNVLHW7	10/9/2014 9:08	58.7	39	0	2.3	0.17	-0.05	62	21	36	-26.93	Slightly Open; No Repair Needed; Good
GRNVLHW7	10/9/2014 9:09	59.7	40.3	0	0	-0.06	-0.02	83	26	24	-25.9	2nd Reading; No Repair Needed; Good
GRNVLHW7	10/23/2014 8:02	57.6	42	0	0.4	0.03	-0.11	86	24	27	-26.67	Slightly Open; No Repair Needed; Good
GRNVLHW7	10/23/2014 8:03	58.5	41.5	0	0	-0.13		87	25		-26.33	2nd Reading; No Repair Needed; Good
GRNVLHW8	10/9/2014 9:02	46.1	32.3	2.5	19.1	-0.01	-0.02	98	39	36	-21.32	No Change; No Repair Needed; Good
GRNVLHW8	10/23/2014 7:55	47.6	37.3	2	13.1	-0.01		92	19		-26.67	No Change; No Repair Needed; Good
GRNVLPW1	10/9/2014 9:13	54.4	35	1.4	9.2	-22.35	-22.35	91	31	28	-26.28	No Change; No Repair Needed; Good; 13505
GRNVLPW1	10/23/2014 8:08	53.4	35.8	1.7	9.1	-24.63		80	35		-27.02	No Change; No Repair Needed; Good; 13506
GRNVLPW2	10/9/2014 9:06	56.7	38.3	0.3	4.7	-25.11	-24.42	95	26	25	-26.97	No Change; Pump Maintenance Required; Good; 3132
GRNVLPW2	10/23/2014 8:00	58.5	39.7	0	1.8	-1.82	-5.18	106	31	47	-28.18	Slightly Open; No Repair Needed; Good;
GRNVLPW2	10/23/2014 8:00	57.8	41.9	0	0.3	-9.71		106	57		-29	2nd Reading; No Repair Needed; Good
GRNVLY01	10/9/2014 12:39	55	37.1	0	7.9	-17.95	-18.64	105	23	33	-25.21	Slightly Open; No Repair Needed; Good
GRNVLY01	10/9/2014 12:40	55.4	37.1	0	7.5	-19.28	-19.33	106	29	27	-24.26	2nd Reading; No Repair Needed; Good
GRNVLY01	10/23/2014 11:56	50.3	37	0	12.7	-20.36		106	27		-25.25	No Change; No Repair Needed; Good
GRNVLY02	10/9/2014 12:42	51.7	35.3	1.5	11.5	-4.98	-4.95	113	20	20	-24.26	No Change; No Repair Needed; Good
GRNVLY02	10/23/2014 11:59	54.7	35.4	0.7	9.2	-4.17		114	13		-24.04	No Change; No Repair Needed; Good
GRNVLY03	10/9/2014 10:12	61.7	35.4	0	2.9	-23.47	-24.07	105	18	16	-24.26	No Change; No Repair Needed; Good
GRNVLY03	10/23/2014 9:02	62	35.8	0	2.2	-23.47		103	12		-24.6	No Change; No Repair Needed; Good
GRNVLY04	10/9/2014 12:46	0.2	3	21.4	75.4	-5.22	-5.22	64	0	0	-23.48	No Change; No Repair Needed; Fair; 230047; well influence
GRNVLY04	10/9/2014 12:47	0.1	0.6	21.8	77.5	-5.22	-5.22	64	0	0	-23.61	2nd Reading; No Repair Needed; Fair; well influence
GRNVLY04	10/23/2014 12:02	7.7	20.5	17.7	54.1	-5.22	-5.22	72	0	0	-24.51	No Change; No Repair Needed; Fair; 246675
GRNVLY04	10/23/2014 12:03	0	0	17.4	82.6	-5.52		73	2		-24.47	2nd Reading; No Repair Needed; Fair; valve barely cracked; well influence decommission requested
GRNVLY12	10/9/2014 10:23	52.3	36.7	0.2	10.8	-22.09	-22.13	103	0	0	-22.79	No Change; No Repair Needed; Good
GRNVLY12	10/23/2014 9:17	47.9	36.5	0	15.6	-21.92	-21.35	100	0	0	-22.57	Slightly Closed; No Repair Needed; Fair

Green Valley Landfill
Wellfield Monitoring Data - October 2014

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GRNVLY12	10/23/2014 9:18	47.9	35.7	0.1	16.3	-21.01		100	0		-22.4	2nd Reading; No Repair Needed; Good
GRNVLY16	10/9/2014 10:54	54.4	36	0.5	9.1	-20.41	-20.62	103	36	29	-20.2	No Change; No Repair Needed; Good
GRNVLY16	10/23/2014 9:49	50.2	35.2	0	14.6	-20.88		101	36		-20.59	No Change; No Repair Needed; Good
GRNVLY19	10/9/2014 10:37	53.9	36.3	0	9.8	-8.89	-8.89	97	19	19	-20.85	No Change; No Repair Needed; Good
GRNVLY19	10/23/2014 9:31	48.9	36	0	15.1	-9.97		96	21		-20.37	No Change; No Repair Needed; Good
GRNVLY20	10/9/2014 10:40	54.4	36	0	9.6	-4.92	-5.39	110	64	64	-20.98	Slightly Open; No Repair Needed; Good
GRNVLY20	10/9/2014 10:40	54.2	36	0	9.8	-5.18	-5.44	110	66	66	-21.32	2nd Reading; No Repair Needed; Good
GRNVLY20	10/23/2014 9:33	46.8	35.4	0	17.8	-5.87	-5.48	109	57	46	-20.8	Slightly Closed; No Repair Needed; Good
GRNVLY20	10/23/2014 9:34	46.5	35.4	0	18.1	-5.18		109	42		-20.8	2nd Reading; No Repair Needed; Good
GRNVLY21	10/9/2014 10:43	53.8	36	0	10.2	-19.28	-19.24	102	35	37	-19.81	No Change; No Repair Needed; Good; 68
GRNVLY21	10/23/2014 9:37	48	35.4	0	16.6	-19.63		101	42		-20.11	No Change; No Repair Needed; Good
GRNVLY22	10/9/2014 10:46	53.7	35.8	0	10.5	-18.9	-18.9	84	36	31	-20.8	No Change; No Repair Needed; Good
GRNVLY22	10/23/2014 9:41	47.8	35.3	0	16.9	-18.94	-18.51	83	32	25	-20.5	Slightly Closed; No Repair Needed; Good
GRNVLY22	10/23/2014 9:41	48.7	35.3	0	16	-17.9		83	21		-20.67	2nd Reading; No Repair Needed; Good
GRNVLY23	10/9/2014 10:50	56.2	35.8	0.2	7.8	-4.97	-5.44	86	18	17	-20.67	Slightly Open; No Repair Needed; Good; 204
GRNVLY23	10/9/2014 10:51	56.4	36	0.1	7.5	-5.78	-5.78	86	18	17	-20.54	2nd Reading; No Repair Needed; Good
GRNVLY23	10/23/2014 9:45	47.5	35.3	0.1	17.1	-6.56	-6.21	85	14	17	-20.67	Slightly Closed; No Repair Needed; Good; 204
GRNVLY23	10/23/2014 9:46	47.5	35.2	0.3	17	-5.82		84	17		-21.15	2nd Reading; No Repair Needed; Good
GRNVLY24	10/9/2014 10:14	51.1	31	2.5	15.4	-2.65	-2.64	75	12	10	-24.64	No Change; No Repair Needed; Good
GRNVLY24	10/23/2014 9:04	52.2	33.7	1.8	12.3	-3.06		59	6		-25.46	No Change; No Repair Needed; Good
GRNVLY25	10/9/2014 12:36	54.4	38.1	0	7.5	-7.59	-7.59	103	5	5	-25.16	No Change; No Repair Needed; Good;
GRNVLY25	10/23/2014 11:51	54	37.7	0.1	8.2	-6.95	-7.59	104	10	6	-25.59	Slightly Open; No Repair Needed; Good;
GRNVLY25	10/23/2014 11:52	53.8	37.7	0.1	8.4	-8.28		106	5		-24.17	2nd Reading; No Repair Needed; Good
GRNVLY28	10/9/2014 10:20	53.6	37.1	0.2	9.1	-16.01	-16.09	108	33	32	-22.36	No Change; No Repair Needed; Good; 75981
GRNVLY28	10/23/2014 9:14	51.7	37.3	0.1	10.9	-16.05		107	30		-22.53	No Change; No Repair Needed; Good; 78168
GRNVLY29	10/9/2014 12:12	51.6	35.7	1	11.7	-1.73	-1.71	100	15	13	-23.48	No Change; No Repair Needed; Good;
GRNVLY29	10/23/2014 11:37	0	0.1	21	78.9	1.69	-0.04	73	0	0	-21.41	Slightly Open; Pump Maintenance Required; Fair; 111369; pump bypassing into well
GRNVLY29	10/23/2014 11:38	0	0	20.8	79.2	-0.79		78	0		-21.19	2nd Reading; Pump Maintenance Required; Fair
GRNVLY30	10/9/2014 10:25	56	35	0.1	8.9	-1.8	-1.88	91	30	33	-19.64	Slightly Open; No Repair Needed; Good
GRNVLY30	10/9/2014 10:26	57	36.2	0.1	6.7	-2.05	-2.05	95	42	42	-21.45	2nd Reading; No Repair Needed; Good
GRNVLY30	10/23/2014 9:20	50.9	34.8	0.5	13.8	-2.46		92	27		-22.18	No Change; No Repair Needed; Good
GRNVLY31	10/9/2014 10:33	57.7	37	0	5.3	-22.35	-22.43	105	13	18	-22.31	No Change; No Repair Needed; Good
GRNVLY31	10/23/2014 9:27	57.2	37.4	0	5.4	-22.04		105	11		-22.18	No Change; No Repair Needed; Good
GRNVLY33	10/9/2014 11:20	30	23.2	4.1	42.7	-2.16	-2.13	119	13	12	-21.1	No Change; No Repair Needed; Fair; valve barely cracked; well influence

Green Valley Landfill
Wellfield Monitoring Data - October 2014

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GRNVLY33	10/23/2014 10:14	22.6	21.9	4.9	50.6	-2.16		119	5		-18.77	No Change; No Repair Needed; Fair; well influence
GRNVLY34	10/9/2014 10:35	54.5	36.4	0	9.1	-6.51	-6.47	105	31	28	-22.92	No Change; No Repair Needed; Good
GRNVLY34	10/23/2014 9:29	51.5	36.7	0.2	11.6	-6.86		104	47		-22.87	No Change; No Repair Needed; Good
GRNVLY35	10/9/2014 11:15	53.4	33.6	0.1	12.9	-1.26	-1.25	111	9	10	-18.39	No Change; No Repair Needed; Good; 9890
GRNVLY35	10/23/2014 10:07	55.7	35.7	0	8.6	-1.27	-1.45	93	0	8	-14.24	Slightly Open; No Repair Needed; Good;
GRNVLY35	10/23/2014 10:08	56.6	37.9	0	5.5	-1.56		98	8		-13.94	2nd Reading; No Repair Needed; Good
GRNVLY36	10/9/2014 11:05	56.4	35.6	0	8	-18.55	-18.55	127	47	43	-20.11	No Change; No Repair Needed; Good
GRNVLY36	10/23/2014 9:58	52.9	36.1	0	11	-14.19		124	23		-14.8	No Change; No Repair Needed; Good
GRNVLY37	10/9/2014 10:58	55.4	33.8	0	10.8	-6.13	-6.51	89	17	22	-20.24	Slightly Open; No Repair Needed; Good
GRNVLY37	10/9/2014 10:59	56.2	34.5	0	9.3	-6.82	-6.86	89	24	21	-20.8	2nd Reading; No Repair Needed; Good
GRNVLY37	10/23/2014 9:53	49.4	35	0	15.6	-7.89		87	16		-17.65	No Change; No Repair Needed; Good
GRNVLY55	10/9/2014 10:05	61.1	37.4	0	1.5	-26.14	-26.19	109	33	27	-26.24	No Change; No Repair Needed; Good; 1968
GRNVLY55	10/23/2014 8:55	61.5	36.3	0	2.2	-26.88		108	27		-27.02	No Change; No Repair Needed; Good; 1968
GRNVLY56	10/9/2014 9:47	59.7	37.3	0	3	-26.23	-26.23	93	5	7	-26.63	No Change; No Repair Needed; Good; 56464
GRNVLY56	10/23/2014 8:40	58.4	37.9	0.1	3.6	-16.7	-17.77	84	19	28	-27.41	Slightly Open; No Repair Needed; Good; 56721; force main restricted
GRNVLY56	10/23/2014 8:41	60.9	38.6	0	0.5	-21.7		88	6		-26.72	2nd Reading; No Repair Needed; Good; force main restricted
GRNVLY57	10/9/2014 9:40	50.8	34.4	0	14.8	-13.72	-13.72	94	16	13	-27.36	No Change; No Repair Needed; Good; 10446
GRNVLY57	10/23/2014 8:33	51.7	34.7	0.1	13.5	-13.93		91	11		-27.06	No Change; No Repair Needed; Good; 10446
GRNVLY58	10/9/2014 9:38	52.3	34.2	0.7	12.8	-9.92	-9.62	104	28	31	-25.25	No Change; No Repair Needed; Good; 293
GRNVLY58	10/23/2014 8:30	53.2	34.7	0.7	11.4	-9.66		103	31		-26.85	No Change; No Repair Needed; Good; 293
GRNVLY61	10/9/2014 9:29	57.6	27.3	0.1	15	-26.83	-26.83	83	35	36	-26.93	No Change; No Repair Needed; Good
GRNVLY61	10/23/2014 8:23	55.1	28.3	0	16.6	-26.57		86	24		-26.72	No Change; No Repair Needed; Good
GRNVLY62	10/9/2014 9:27	53.7	37.1	1.3	7.9	-26.83	-26.88	73	10	10	-26.93	No Change; No Repair Needed; Good
GRNVLY62	10/23/2014 8:21	55.4	40.4	0.2	4	-26.53		65	10		-26.37	No Change; No Repair Needed; Good
GRNVLY7R	10/9/2014 11:12	46.7	33.6	1	18.7	-8.89	-8.89	113	9	11	-19.16	No Change; No Repair Needed; Good; 130584; well influence
GRNVLY7R	10/23/2014 10:03	38.5	33.4	1.2	26.9	-7.59	-7.55	106	8	4	-13.03	Slightly Closed; No Repair Needed; Fair; 144147; well influence
GRNVLY7R	10/23/2014 10:04	38.8	32.8	1.4	27	-7.2		101	4		-13.21	2nd Reading; No Repair Needed; Fair; well influence
GRNVBOT2	10/9/2014 8:40	51.2	33.8	1.2	13.8	0.24	0.31	83	230	230	0	No Change; No Repair Needed; Good
GRNVBOT2	10/23/2014 12:28	48.4	33.3	1.2	17.1	0.33	0.35	81	260	260	-0.04	No Change; No Repair Needed; Good
GRNVCO02	10/9/2014 10:08	62	33.3	0.1	4.6	-23.73	-23.73	69	10	13	-26.93	No Change; No Repair Needed; Good
GRNVCO02	10/23/2014 8:58	53.7	32.8	0.5	13	-24.12		55	12		-26.67	No Change; No Repair Needed; Good
GRNVLBIN	10/9/2014 8:37	52.1	32.4	1.3	14.2	-27.18	-27.09	79	660	660	0	No Change; No Repair Needed; Good
GRNVLBIN	10/9/2014 14:13	50.6	33.4	1.2	14.8	-27.61	-27.7	79	710	710	-0.13	No Change; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - October 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLBIN	10/23/2014 7:29	49.2	33.8	1.2	15.8	-27.61	-27.26	76	700	700	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	10/23/2014 12:26	49.1	32.8	1.2	16.9	-27.22	-26.96	76	700	700	0	No Change; No Repair Needed; Good
GRNVLBOT	10/9/2014 8:39	51.3	32.8	1.2	14.7	6.26	6.21	84	430	430	0	No Change; No Repair Needed; Good
GRNVLBOT	10/23/2014 7:30	48.1	32.9	1.2	17.8	8.58	8.33	83	700	700	-0.13	No Change; No Repair Needed; Good
GRNVLBOT	10/23/2014 12:29	48.2	34	1.1	16.7	6.6	6.26	87	440	440	0	No Change; No Repair Needed; Good
Flare 1	10/9/2014 14:39	50.6	34.5	1	13.9	0.36	0.39	88	280	280	-0.09	GHG Reading; No Repair Needed; Good; No Totalizer
Plant 1	10/9/2014 14:37	50.8	33.5	1.1	14.6	5.87	5.82	93	430	430	-0.3	GHG Reading; No Repair Needed; Good; 96860490 scf
GRNV5035	10/9/2014 14:07	50	34.7	0	15.3	0	0	58	0	0	0	No Change; No Repair Needed; Excellent;
GRNVY4O2	10/9/2014 14:05	0	0	4	96	0	0	58	0	0	0.04	No Change; No Repair Needed; Excellent;

Total Number of Wells	61
Total Number of Well Readings	61
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	20
Number of Wells With Methane > 52%	47
Number of Wells With Methane > 58%	13
Number of Wells With Oxygen > 1%	15
Number of Wells With Temperature > 120 F	2
Number of Wells With Flow < 5 SCFM	7

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/9/14
Meter Time:	8:33 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1849	0	-0.06
Methane	000000EE1758	50.15	50.22
Oxygen	000000EE1758	0	0.07
Oxygen	000000EE1849	4	3.95
CO2	000000EE1849	0	0.03
CO2	000000EE1758	35.26	36.44
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/9/14
Meter Time:	12:05 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1849	0	0.07
Methane	000000EE1758	50.15	50.83
Oxygen	000000EE1758	0	-0.03
Oxygen	000000EE1849	4	4.03
CO2	000000EE1849	0	-0.04
CO2	000000EE1758	35.26	34.51
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/9/14
Meter Time:	2:02 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1849	0	-0.02
Methane	000000EE1758	50.15	50.28
Oxygen	000000EE1758	0	0
Oxygen	000000EE1849	4	4.07
CO2	000000EE1849	0	-0.01
CO2	000000EE1758	35.26	35.51
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/23/14
Meter Time:	7:25 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1843	0	-0.06
Methane	000000EE1758	50.15	50.54
Oxygen	000000EE1758	0	0.09
Oxygen	000000EE1843	4	3.97
CO2	000000EE1843	0	-0.03
CO2	000000EE1758	35.26	35.67
Available (high)	NA	0	-0.13
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/23/14
Meter Time:	11:29 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1843	0	0.04
Methane	000000EE1758	50.15	50.71
Oxygen	000000EE1758	0	-0.13
Oxygen	000000EE1843	4	4.03
CO2	000000EE1843	0	-0.01
CO2	000000EE1758	35.26	35.49
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/23/14
Meter Time:	12:23 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1843	0	0.01
Methane	000000EE1758	50.15	50.21
Oxygen	000000EE1758	0	0.02
Oxygen	000000EE1843	4	4
CO2	000000EE1843	0	0.01
CO2	000000EE1758	35.26	35.02
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

ATTACHMENT D

O & M Report

Monitoring Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: Zack Ankney

Date: 10/9/2014

Flare Station / Skid Components

Item	Yes	No	Comments
Flare Operating in Automatic Mode	☑	☐	
Blower / flare operating properly	☐	☑	
Autodialer functioning	☐	☐	
VFD vacuum setpoint	In-W.C.		-28
Motor operating properly	☑	☐	
Plant flow rate	SCFM		430
Bearings properly lubricated	☑	☐	
Any Unusual Noises at B/F Skid	☐	☑	
Belts / drive correct	☑	☐	
Blower casing drained	☑	☐	
Valves properly positioned	☑	☐	
Chart recorder functioning	☑	☐	
Actuators maintained	☑	☐	
KOP Demister differential pressure	In. W.C		N/A
Flame arrestor differential pressure	In. W.C		N/A
Flame arrestor inlet pressure	In. W.C		N/A
Nitrogen Cylinder Pressure	PSI		N/A
Propane Cylinder Pressure	%		10

Air Compressor Components

Item	Yes	No	Comments
Unit Operating in Automatic Mode	☑	☐	Hours: 11327; Temp: 188 F
Compressor Tank Drained	☑	☐	
Filters Clean	☑	☐	
Compressor Tank Pressure	PSI		102
Compressor Properly Lubricated	☑	☐	
Compressor Belts Worn	☐	☑	
Belts at Proper Tension	☑	☐	

Sumps, Pumps, and Valves

Check sumps and pumps for proper operation. Inspect applicable electrical and pneumatic connections. Check that condensate level in sump is normal. Listen for air leaks and inspect for condensate leaks at pump discharge. Ensure valves are in the proper position. Manually jog or cycle pump on/off as applicable.

Location/Name	Comments
CK 1-4, DL 7&8, Toe Drain and CK-H	All cycling properly; CK-3 leaking

Additional Comments

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
October 2014

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV64R2	10/9/2014 8:53	60.2	GRNVLHW5	10/9/2014 8:59	59.1
GRNV65R2	10/23/2014 7:44	59.3	GRNVLHW7	10/9/2014 9:09	59.7
GRNVL43R	10/9/2014 9:55	62.4	GRNVLPW2	10/23/2014 8:00	58.5
GRNVL47R	10/9/2014 14:57	61	GRNVLY03	10/23/2014 9:02	62
GRNVL49R	10/9/2014 9:45	60.4	GRNVLY55	10/23/2014 8:55	61.5
GRNVL52R	10/9/2014 9:35	63.5	GRNVLY56	10/23/2014 8:41	60.9
GRNVL59R	10/9/2014 9:21	64			

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	10/9/2014 11:02	54.7	GRNVLY02	10/23/2014 11:59	54.7
GRNV27RR	10/9/2014 12:20	56.1	GRNVLY03	10/23/2014 9:02	62
GRNV64R2	10/9/2014 8:53	60.2	GRNVLY12	10/9/2014 10:23	52.3
GRNV65R2	10/23/2014 7:44	59.3	GRNVLY16	10/9/2014 10:54	54.4
GRNVL08R	10/9/2014 11:08	55.5	GRNVLY19	10/9/2014 10:37	53.9
GRNVL10R	10/9/2014 12:14	54.9	GRNVLY20	10/9/2014 10:40	54.4
GRNVL13R	10/9/2014 10:31	55.3	GRNVLY21	10/9/2014 10:43	53.8
GRNVL18R	10/9/2014 11:24	57.7	GRNVLY22	10/9/2014 10:46	53.7
GRNVL26R	10/9/2014 10:18	55.3	GRNVLY23	10/9/2014 10:51	56.4
GRNVL32R	10/9/2014 11:27	55.5	GRNVLY24	10/23/2014 9:04	52.2
GRNVL38R	10/9/2014 12:17	53.7	GRNVLY25	10/9/2014 12:36	54.4
GRNVL41R	10/9/2014 10:03	54.1	GRNVLY28	10/9/2014 10:20	53.6
GRNVL43R	10/9/2014 9:55	62.4	GRNVLY30	10/9/2014 10:26	57
GRNVL47R	10/9/2014 14:57	61	GRNVLY31	10/9/2014 10:33	57.7
GRNVL49R	10/9/2014 9:45	60.4	GRNVLY34	10/9/2014 10:35	54.5
GRNVL52R	10/9/2014 9:35	63.5	GRNVLY35	10/23/2014 10:08	56.6
GRNVL54R	10/9/2014 9:32	57.2	GRNVLY36	10/9/2014 11:05	56.4
GRNVL59R	10/9/2014 9:21	64	GRNVLY37	10/9/2014 10:59	56.2
GRNVLHW5	10/9/2014 8:59	59.1	GRNVLY55	10/23/2014 8:55	61.5
GRNVLHW6	10/23/2014 8:19	52.8	GRNVLY56	10/23/2014 8:41	60.9
GRNVLHW7	10/9/2014 9:09	59.7	GRNVLY58	10/23/2014 8:30	53.2
GRNVLPW1	10/9/2014 9:13	54.4	GRNVLY61	10/9/2014 9:29	57.6
GRNVLPW2	10/23/2014 8:00	58.5	GRNVLY62	10/23/2014 8:21	55.4
GRNVLY01	10/9/2014 12:40	55.4			

Green Valley Landfill
Wellfield SOP Summary
October 2014

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV46R2	10/9/2014 9:52	0.2	GRNVLHW8	10/9/2014 9:02	46.1
GRNV50R3	10/23/2014 8:12	48	GRNVLY04	10/23/2014 12:03	0
GRNV65R2	10/9/2014 8:49	2.7	GRNVLY12	10/23/2014 9:17	47.9
GRNVL38R	10/23/2014 11:44	44.4	GRNVLY20	10/23/2014 9:34	46.5
GRNVL43R	10/23/2014 8:47	10.2	GRNVLY21	10/23/2014 9:37	48
GRNVL44R	10/9/2014 10:00	1.5	GRNVLY22	10/23/2014 9:41	47.8
GRNVL60R	10/9/2014 9:24	47.8	GRNVLY23	10/23/2014 9:45	47.5
GRNVL63R	10/23/2014 7:50	33.4	GRNVLY29	10/23/2014 11:37	0
GRNVLHW1	10/9/2014 10:28	47.5	GRNVLY33	10/23/2014 10:14	22.6
GRNVLHW3	10/9/2014 9:11	46.6	GRNVLY7R	10/23/2014 10:03	38.5

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV65R2	10/23/2014 7:45	4.9	GRNVLY12	10/23/2014 9:18	0
GRNVL43R	10/23/2014 8:48	3.81	GRNVLY29	10/23/2014 11:38	0
GRNVL47R	10/23/2014 8:35	0	GRNVLY7R	10/23/2014 10:04	4.67
GRNVLY04	10/23/2014 12:03	2.78			

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV46R2	10/23/2014 8:44	8.5	GRNVLHW8	10/23/2014 7:55	2
GRNVL10R	10/23/2014 11:41	1	GRNVLPW1	10/23/2014 8:08	1.7
GRNVL43R	10/23/2014 8:48	18.2	GRNVLY04	10/23/2014 12:03	17.4
GRNVL44R	10/23/2014 8:51	9.5	GRNVLY24	10/23/2014 9:04	1.8
GRNVL63R	10/23/2014 7:51	8.6	GRNVLY29	10/23/2014 11:38	20.8
GRNVLHW3	10/23/2014 8:05	1.4	GRNVLY33	10/23/2014 10:14	4.9
GRNVLHW5	10/23/2014 7:53	1.5	GRNVLY7R	10/23/2014 10:04	1.4
GRNVLHW6	10/23/2014 8:19	1.1			

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature deg F	Extraction Well ID	Date	Temperature deg F
GRNVL32R	10/23/2014 10:20	127.2	GRNVLY36	10/23/2014 9:58	124

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley Landfill **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	10/8/14 13:04	10/8/14 13:05	0.02	10	☑	☐
Shutdown			0.00		☐	☐
Malfunction	10/3/14 21:28	10/8/14 13:04	111.60	10	Complete section 2 Below	

Date Form Filled Out: 11/08/14 Signature: *Paul D. Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: MCC 10-8-14 b. Contact site representative with information recorded in #10.a.	☑	☐
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: loss of 24V power supply caused flare system shutdown.

For Start-ups and Shutdowns

Note:

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes: **Green Valley Landfill** **Flare** **10/8/14**

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☑ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☐ 29 Continuous Monitoring System Malfunction - Flow Monitor
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

ATTACHMENT G

Pump Count Table

Technician: Paul Flory/Zack Ankney
Date: 2014

GREEN VALLEY PUMP COUNTER INFORMATION

Pumps	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
DL-7	287896	297552	305789	309464	315934	318,098	324236	330381	336410	342792		
DL-8	1783	1783	2279	2547	Removed	Removed	Removed	Removed	Removed	Removed		
CK-1	473512	485094	493941	501182	509500	513,532	525668	538274	550414	563203		
CK-2	209528	211751	213923	216505	220464	222473	231546	239444	247319	255881		
CK-3	927685	942218	960371	985386	271	9228	32565	51616	70415	89941		
CK-4	31673	39189	56246	73570	78598	82496	91888	96791	102910	106706		
CK-H	283730	361537	605581	907606	952395	956256	961177	963238	14000	16059		
Toe Drain	704959	845894	919151		307712	343,274	400734	433931	476481	513427		
GRNVLPW1										13506		
GRNVLPW2												
RS1										323		
RS2										1346		
GRNVLY04	716033	774517	882520	920916	982868	53123	96742	148164		246675		
GRNVLY7R	812913	865126	899584	918321	966928	7695	50865	82492	115354	144147		
GRNVL08R	63063	63888	64947		66933	67675	68363		69061	69517		
GRNVL10R	604		608	608	608	608	608	608	608	608		
GRNVL13R	123056	126584	129428		134467	137791	141549		146182	147726		
GRNVL18R		288	288		290	290	290	291	291	291		
GRNVLY21	64		66	66	66	66	66	66		68		
GRNVLY23		Counter needed	Counter needed	Counter needed	204	204	204		204	204		
GRNVLY25	155354	158401	164924	167454	170933	175788	181634	184002		194725		
GRNVL26R	149753	152018	153637	153637	155993	156909	156938	156954	156954	156954		
GRNV27RR	10712	10712	10712	10712	10717	10717	10723	10723	10729	10731		
GRNVLY28	54939	60430	61743	61749	63120	63126	63159	68777	73719	78168		
GRNVLY29	105929		108806	109583	Missed	110598	111002		111015	111369		
GRNVL32R		388317	613352		613352	613352	613352	613352	613352	613352		
GRNVLY35	273	273	273		274	274	274		9848			
GRNVL38R	24808	24947	24947	24947	24947	24947	24947	24947	24947	24947		
GRNVL41R	98675		98719	98721	Missed	98730	98732	98734	98739	98740		
GRNVL43R	369256		9458	Removed	Removed	Removed	Removed	Removed	Removed	Removed		
GRNVL44R					98726	Removed	Removed	Removed	Removed	Removed		
GRNVL47R					Missed	225	225	229		229		
GRNVL49R												
GRNVL52R	41479	58747	70281	73170	77799		77799	77799	41141	59460		
GRNVL54R	458059	458061	458061	458061	458061		350274	375828	417826	434160		
GRNVLY55	1944	1945	1945		1947		1957	1968	1968	1968		
GRNVLY56	51769	52333	52333	52333	52333		52649	53638	55749	56721		
GRNVLY57	7832	8893	8923		9629		10209	10410	10446	10446		
GRNVLY58	264	288	288	288	288		291	292	292	293		
GRNVL59R												
GRNVL60R										206		
GRNVLY61	21328	21328	23024		46139		46840		865658			
GRNVLY62	251	251	251		Removed	Removed	Removed	Removed	10656	27990		
GRNVL63R	276200	276202	276202		Removed	Removed	Removed	Removed		NA		
GRNV64R2										259513		

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan

Monitoring Control and Compliance, Inc.

LANDFILL: Green Valley - 2014

Month	Cover Integrity problems found during the inspection	Date Site Notified MCC/Republic Initials	Date Repairs Made Republic Initials	Site Remediation
January 2014	Revised 2/18/14. Unit I cover is intact with very minor issues near HW01. Unit II cover is intact with minor issues near HW3, HW4, HW5 and HW6.	1/31/2014 ZA		
February 2014	Unit I looks good, no problems. Significant odors on Unit II near HW3-HW6. Minor erosion ruts forming on North face between EW62 and EW63R. Leachate stain between HW4 and HW5.	3/6/2014 ZA		
March 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6.	3/11/2014 ZA		
April 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6. No new cover issues to report.	4/9/2014 ZA		
May 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Leachate seep on Unit II between HW4 and HW5 has been repaired. Seep between EW62 and EW63 still exists. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R.	5/30/2014 ZA		
June 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck of the entirety of the unit. Erosion rills of Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R.	6/9/2014 ZA		
July 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck of the entirety of the unit. Erosion rills of Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R.	7/14/2014 ZA		
August 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote.	8/12/2014 ZA		
September 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and north slope. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Soft spot between EW56 and EW47R has been repaired. A portion of Unit I has been mowed, but needs completed.	9/10/2014 ZA		
October 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2. A portion of Unit I has been mowed, but needs completed.	10/9/2014 ZA		
November 2014				
December 2014				

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: PW2

Site Information

Technician	Zack Ankney
Date	10/22/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1352
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	23.4
Well Depth (ft)	44.2
Drill log Depth (ft)	-
Pump Set Depth (ft)	42.8
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 3132
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth sideways to ensure that the pins prevent float contact	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pulled, inspected, and cleaned pump. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW61

Site Information

Technician	Zack Ankney
Date	10/22/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-9558
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	27.4
Well Depth (ft)	53.2
Drill log Depth (ft)	-
Pump Set Depth (ft)	46.6
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	x		Count:	865658
Wellhead with compression fittings	x			
Hoses	x			
Hose Barbs	x			
Clamps	x			
Quick Connect Fittings	x			
Regulator	x		Setpoint (psi):	100
Regulator Particular Filter	x			
Condensation Trap	x			
Air Line PSI			PSI	
FM Pressure			PSI	

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pulled, inspected, and cleaned pump. Low pressure coming through air pin. Made adjustment. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW59R

Site Information

Technician	Zack Ankney
Date	10/22/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3357
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	50.4
Well Depth (ft)	74.7
Drill log Depth (ft)	-
Pump Set Depth (ft)	72
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	x		Count:	38169
Wellhead with compression fittings	x			
Hoses	x			
Hose Barbs	x			
Clamps	x			
Quick Connect Fittings	x			
Regulator	x		Setpoint (psi):	100
Regulator Particulat Filter	x			
Condensation Trap	x			
Air Line PSI			PSI	
FM Pressure			PSI	

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pulled, inspected, and cleaned pump. Air pin bleeding causing pump to bypass. Made adjustment. Cycling properly. Shortened set depth by 2'.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW49R

Site Information

Technician	Zack Ankney
Date	10/22/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3358
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	35.3
Well Depth (ft)	67.5
Drill log Depth (ft)	-
Pump Set Depth (ft)	64.6
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 4663
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulate Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection. (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth sideways to ensure that the pins prevent float contact	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pulled, inspected, and cleaned pump. Pump is functional. Back pressure on forcemain causing pump to stall.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW35

Site Information

Technician	Zack Ankney
Date	10/22/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3410
In-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	76.5
Well Depth (ft)	86
Drill Log Depth (ft)	-
Pump Set Depth (ft)	82.8
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 9893
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 83
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection. (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble Outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pulled, inspected, and cleaned pump. Air pin bleeding causing pump to bypass. Made adjustment. Cycling properly.

Parts Required for Repair/Replacement

GREEN VALLEY
Over 58% Methane Table
October 2014

Well_ID	CH4 6/9/14	6/24/2014	7/14/2014	7/28/2014	8/12/2014	8/27/2014	9/10/2014	9/25/2014	10/10/2014	10/23/2014	Field Comment	Suggested fix	Estimated cost
GRNV46R2	59.3	60				64.1					Max applied, 7 scfm	well is pinched, wont take a pump	
GRNV50R3	59.2										New well	slowly open valve	
GRNV64R2	58.8	59.2	58	58.5	59		59.3		60.2	59.2	New well	Pump installed	
GRNV65R2	58.5	59		58.2		58.4				59.3	Low applied vacuum, 9 scfm	Pump install?	
GRNVL43R									62.4		New remote installed.		
GRNVL47R	61.4	61.4	60.1						61		Pump was removed but cant be re-installed.	New remote	
GRNVL49R	62.3	62.2	60.1	61.1	61.5	61.2	61.1	58.8	60.4	59.9	Max applied, 20 scfm, 29 ft of liquid,	Pump installed	
GRNVL52R	64.6	65.1	63	62.6	62.1	62.8	63.2	62	63.5	61.3	swapped over to 3" FM	swapped over to 3" FM	
GRNVL54R	67.1	58.6					63.2	59.1			max applied, has pump		
GRNVL59R	65.4	65.2	61.4	62.4	63.2	62.5	63		64	63.1	New well, max applied	Pump installed	
GRNVL60R	62.1	60.8									New well, max applied	Pump installed	
GRNVL63R	63.9	63.4		63	62.9	60.9	60.8				max applied	well is pinched, wont take a pump	
GRNV64R2	59.1							58.1			new well	pump installed	
GRNVLHW3		61.2									easily over pulls	Additional tuning	
GRNVLHW4				60.1	58.7						Additional tuning	Additional tuning	
GRNVLHW5									59.1				
GRNVLHW6	60.7				60.9						Tuned back due to oxygen intrusion	Additional tuning	
GRNVLHW7		59		58.9					59.7	58.5	new well, good flow	Pump installed	
GRNVLHW8	58.1										Brand new well, Tuned back due to oxygen intrusion	Pump installed	
GRNVLPW1	60			60.2	60.2	60.3	59.7	59.2			Brand new well, max applied	Pump installed	
GRNVLPW2	58.7	59.9				58.8				58.5	Brand new well, max applied good flow	Pump installed	
GRNVLY01				59	59.4	59.7	58.7				Additional tuning		
GRNVLY03	60.9	60.5				58.9	60.8	60.1	61.7	62	max applied, 18 ft of liquid,	Raise vacuum, Forcemain restricted.	
GRNVLY29		59.9					58.8					Additional tuning	
GRNVLY31		59									Max applied		
GRNVLY55	61.7	62.1	59.4	61	60.4	60.1	61.1	59.2	61.1	61.5	max applied, has pump	FM restriction	
GRNVLY56	62.6	62.8	60.3	62.1	61.1	60.9	60.8	61	59.7	60.9	max applied, has pump	Raise vacuum, exhaust pump in well	
GRNVLY58	59.1		59.9	59							Has leaned out in the past with oxygen intrusion.	Careful tuning	
GRNVLY61	68.4	72.2	69.4	66	63	66.4	60.1						
GRNVL18R					58.3	59.7	58.2					Additional tuning	
GRNVL38R					59.8							Additional tuning	
GRNVLY19					58							Additional tuning	
GRNVCO02						60.6	62.8	62.6	62		17 inches applied, 13 scfm		
GRNVLHW1						59.5						Additional tuning	
GRNVLY35						58.7					low applied vacuum, 8 scfm		

Total wells 58%	21	19	9	14	15	17	15	9	12	10
Monitoring points	63	63	63	63	63	63	62	62	62	62
Percentage	33.33%	30.16%	14.29%	22.22%	23.81%	26.98%	24.19%	14.52%	19.35%	16.13%

		June		July		August		September		October
Month total		25		15		22		16		14
		39.68%		23.81%		34.92%		25.81%		22.58%

LFG Extraction Well Liquid Levels

Site Name: Green Valley

OCTOBER 2014

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation at time of Liquid Level Measurement (ft)	TOC to Ground Surface (Measured in Field) (ft)	TOC to Liquid (ft)	TOC to bottom of well or obstruction (ft)	Pump Installed?	TOC to top of Pump (ft)	Pump Cycle Count	Comments
GRNVLY7R	GRNVLY7R	10/8/14	906.86	4.5	68.1	74.5				Size: 6; HDPE
GRNVL08R	GRNVL08R	10/8/14	875.32	4	51.7	55.5				Size: 6; HDPE
GRNVL10R	GRNVL10R	10/8/14	942.15	6.5	87.8	92.5				Size: 6; HDPE
GRNVLY12	GRNVLY12	10/8/14		4.5	5.4	5.4				Dry; Size: 8; PVC
GRNVL13R	GRNVL13R	10/8/14	924.95	4	45.6	48.4				Size: 6; HDPE
GRNVLY16	GRNVLY16	10/8/14		6	70.7	73.8				Size: 8; PVC
GRNV17R2	GRNV17R2	10/8/14	878	4.5	41.1	41.3				Size: 8; PVC
GRNVL18R	GRNVL18R	10/8/14	907.43	5	42.7	42.9				Size: 6; HDPE
GRNVLY19	GRNVLY19	10/8/14		5.5	44.2	45.6				Size: 8; PVC
GRNVLY20	GRNVLY20	10/8/14		5.5	49.2	59.8				Size: 8; PVC
GRNVLY21	GRNVLY21	10/8/14		4	64.3	74				Size: 8; PVC
GRNVLY22	GRNVLY22	10/8/14		4	57.1	66				Size: 8; PVC
GRNVLY23	GRNVLY23	10/8/14		4	56.4	59.5				Size: 8; PVC
GRNVLY24	GRNVLY24	10/8/14		6.5	55.7	58				Size: 8; PVC
GRNVLY25	GRNVLY25	10/8/14		6	81.8	86.4				Size: 8; PVC
GRNVL26R	GRNVL26R	10/8/14	907.45	4	42.3	44.5				Size: 6; HDPE
GRNV27RR	GRNV27RR	10/8/14	946.6	5.5	72.1	84.3				Size: 6; HDPE
GRNVLY28	GRNVLY28	10/8/14		6	62.6	65				Size: 8; PVC
GRNVLY29	GRNVLY29	10/8/14		5	70.6	74.3				Size: 8; PVC
GRNVLY30	GRNVLY30	10/8/14		6	52.4	64.3				Size: 8; PVC
GRNVLY31	GRNVLY31	10/8/14		6	46.2	68.5				Size: 8; PVC
GRNVL32R	GRNVL32R	10/8/14	930.92	5.5	71.1	81.5				Size: 6; HDPE
GRNVLY33	GRNVLY33	10/8/14		6	42	42				Dry; Size: 8; PVC
GRNVLY34	GRNVLY34	10/8/14		5.5	52.4	56				Size: 8; PVC
GRNVLY35	GRNVLY35	10/8/14		4.5	76.5	86	Y		9893	Pulled, inspected, and cleaned pump. Air pin bleeding causing pump to bypass. Made adjustment. Cycling properly.
GRNVLY36	GRNVLY36	10/8/14		5	55.5	56.3				Size: 8; PVC
GRNVLY37	GRNVLY37	10/8/14		6.5	47.3	49.5				Size: 8; PVC
GRNVL38R	GRNVL38R	10/8/14	928.55	4.5	49.3	83.2				Size: 6; HDPE
GRNVL41R	GRNVL41R	10/8/14	943.68	5.5	32.9	55				Size: 6; HDPE
GRNVL43R	GRNVL43R	10/8/14	911.03	4.5						Size: 6; HDPE; leaning severely. Unable to get sounder probe past catch spots created by flanges as well was raised. Will need a pipe camera inserted to get a LL.
GRNVL44R	GRNVL44R	10/8/14	916.73	4	25.3	26.7				Size: 6; HDPE
GRNV46R2	GRNV46R2	10/8/14		4	41.8	44.9				Size: 8; PVC
GRNVL47R	GRNVL47R	10/8/14	938.04	4	36.7	57.5				Size: 6; HDPE
GRNVL49R	GRNVL49R	10/22/14	940.71	4	35.3	67.5	Y		4663	Pulled, inspected, and cleaned pump. Pump is functional. Back pressure on FM causing pump to stall.
GRNV50R3	GRNV50R3	10/8/14		4	42.6	51.6				Size: 6; HDPE
GRNVL52R	GRNVL52R	10/8/14		4	56.3	82.5				Size: 6; HDPE
GRNVLY55	GRNVLY55	10/8/14	957.57	4.5	50.3	52.1				Size: 6; HDPE
GRNVLY56	GRNVLY56	10/8/14	948.38	3.5	35.1	43				Size: 6; HDPE
GRNVLY57	GRNVLY57	10/8/14	930.53	5	42.2	47.3				Size: 6; HDPE
GRNVLY58	GRNVLY58	10/8/14	910.19	4.5	41.8	44.2				Size: 6; HDPE

LFG Extraction Well Liquid Levels
Site Name: Green Valley

OCTOBER 2014

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation at time of Liquid Level Measurement (ft)	TOC to Ground Surface (Measured in Field) (ft)	TOC to Liquid (ft)	TOC to bottom of well or obstruction (ft)	Pump Installed?	TOC to top of Pump (ft)	Pump Cycle Count	Comments
GRNVL59R	GRNVL59R	10/22/14		3	50.4	74.7	Y		38169	Pulled, inspected, and cleaned pump. Air pin bleeding causing pump to bypass. Made adjustment. Cycling properly. Shortened set depth by 2".
GRNVL60R	GRNVL60R	10/8/14		4.5	71.7	82.2				Size: 6; HDPE
GRNVLY61	GRNVLY61	10/22/14	890.94	5.5	27.4	53.2	Y		865658	Pulled, inspected, and cleaned pump. Low pressure coming through air pin. Made adjustment. Cycling properly.
GRNVLY62	GRNVLY62	10/8/14	869	5	50.7	59.3				Size: 6; HDPE
GRNVL63R	GRNVL63R	10/8/14	883	2.5	12.6	25.4				Size: 6; HDPE
GRNV64R2	GRNV64R2	10/8/14		4.5	58.7	65.2				Size: 6; HDPE
GRNV65R2	GRNV65R2	10/8/14	909	5						Size: 8; HDPE; leaning severely. Unable to get sounder probe past catch spots created by flanges as well was raised. Will need a pipe camera inserted to get a LL.
GRNVL54R	GRNVL54R	10/8/14		3.5	51.7	66.9				Size: 6; HDPE
GRNVLY03	GRNVLY03	10/8/14		5.5	54.3	60.6				Size: 8; PVC
GRNVLY01	GRNVLY01	10/8/14		3	43.1	67.2				Size: 8; PVC
GRNVLY02	GRNVLY02	10/8/14		4.5	48.1	50.8				Size: 8; PVC
GRNVLY04	GRNVLY04	10/8/14		4.5	70.4	74.9				Size: 8; PVC
GRNVLPW1	GRNVLPW1	10/8/14		4.5	28.5	35.2				Size: 6; HDPE
GRNVLPW2	GRNVLPW2	10/22/14		4	23.4	44.2	Y		3132	Pulled, inspected, and cleaned pump. Cycling properly.

RECEIVED 12/16

Monitoring Control and Compliance, Inc.

December 8, 2014

Mr. Kim Cecil
Green Valley Landfill General Partnership
PO Box 9
Rush, KY 41168

Subject: Monthly LFG Report for November 2014
Green Valley Landfill – Ashland, Kentucky

Dear Mr. Cecil:

Monitoring Control and Compliance, Inc. (MCC) is submitting the following monthly landfill gas system monitoring and information report for the Green Valley Landfill using information collected during the month of November 2014.

In this report you will find the following:

- Plant, flare and blower operation summaries.
- Summary of the monthly wellhead monitoring results including well compliance issues.
- Discussion of O & M activities throughout the month, including compliance related issues and recommendations for improvements.
- Data collected and compiled while performing monthly activities.
- Gas system monitoring data.

If you have any questions or comments, please feel free to contact me at (614) 395-5766 or at paul.flory@landfillgasom.com.

Sincerely,

Monitoring Control and Compliance, Inc.

Paul D. Flory
Regional Manager

CC: William L. (Bill) Chlebowy, P.E.
Dana Oleniacz

NOVEMBER 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the November 5, 2014 monitoring event, the gas quality at the blower inlet was 48.1% CH4, 31.8% CO2, 1.3% O2 and 18.8% balance gas. The applied vacuum to the wellfield was -27.26 inches of water and the flow was 700 SCFM.

Final Flare Readings

At the end of the tuning event on November 19, 2014, the gas quality going to the blower inlet was 51.2% CH4, 32.4% CO2, 1.1% O2 and 15.3% balance gas. The applied vacuum to the wellfield was -10.96 inches of water and the flow was 420 SCFM.

The flare operated for 547.7 hours with an average flow of 426 SCFM during November 2014.

Table 1- 1 Control System Down Time Report

Start time	End Time	Comments
11/6 15:40	11/7 08:28	Flare Ran Out of Propane
11/24 10:44	12/1	Air Compressor Shutdown

SSM forms for the applicable period can be found in Attachment F.

Monthly Wellhead Monitoring Results

There are a total of 62 monitoring points (56 wells, 6 horizontal wells) associated with, and monitored, as part of the monthly monitoring events.

- Four (4) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Thirteen (13) wells exceeded the 58% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Forty-five (45) wells exceeded the 52% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Twenty-one (21) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Eleven (11) wells recorded flow below the site's SOP of 5 SCFM see attachment E.

A copy of the **Landfill Gas System Monitoring Data**, to be placed in the Operating Record, can be viewed in Attachment B.

Equipment calibration information for the November 2014 Landfill Gas System Monitoring Data can also be viewed in Attachment C.

Wells found to be operating outside of Republic's standard operating procedures (SOP) during the month of November 2014 are shown in Attachment E.

Table 2-1 (below) indicates wells operating outside of the NSPS operational parameters for more than 15 days during the month of November 2014.

Table 2-1: November 2014 - Wells Operating Outside NSPS Standards for greater than 15 days

Extraction Well No.	Parameter	Comments
GRNV46R2	O2	Operated outside NSPS standards from 10/9/14 through the end of November 2014.
GRNVLY04	O2	Operated outside NSPS standards from 8/12/14 through the end of November 2014.
GRNVL44R	O2	Operated outside NSPS standards from 10/9/14 to 11/5/14.
GRNVL63R	O2	Operated outside NSPS standards from 9/25/14 to 11/19/14.

Collection System Operations and Maintenance

During the month of November, MCC performed multiple tasks in support of the landfill gas collection system:

- No wells were activated during the month of November 2014.
- No wells were decommissioned during the month of November 2014.
- Camera investigations were performed on the following during the month of November 2014.
    - 47R
    - 43R & Lateral
    - 44R
    - 46R2
    - 63R & Lateral
    - 65R2

  These reports can be viewed in Attachment I.
- Pump maintenance was completed on the following wells:
    - 38R
    - 32R
    - 27RR
    - 52R
    - 58
    - 57
    - 56
    - 55
    - 29
    - 13R
    - 8R
    - 7R

  These reports can be viewed in Attachment I.
- Wells 30 and 16 were cut down due to being too tall.
- CO samples were taken using an RAE Draeger Tube kit. The results are:
    - EW32R 0 ppm
    - EW33 125 ppm
    - EW35 50 ppm

- Recorded pump counts; A copy of the pump counts are presented in Attachment G.

Quarterly Surface Emissions Monitoring

The 4th quarter Initials Surface Emission Monitoring will be completed on December 8, 2014.

Perimeter Probe and Building Monitoring

The 4th quarter 2014 perimeter probe and on-site structure monitoring will be completed on December 8, 2014.

Recommendations

Based on well field readings and along with investigations, MCC recommends Republic consider the following items be addressed:

- The following wells need 3" kanaflex: 30 and 16.
- The air compressor is in need of its 4,000-hour service. High differential pressure in the oil filter system is causing the unit to run hot. The system will be run in bypass mode until the air compressor is serviced.

This report contains the following appendices':

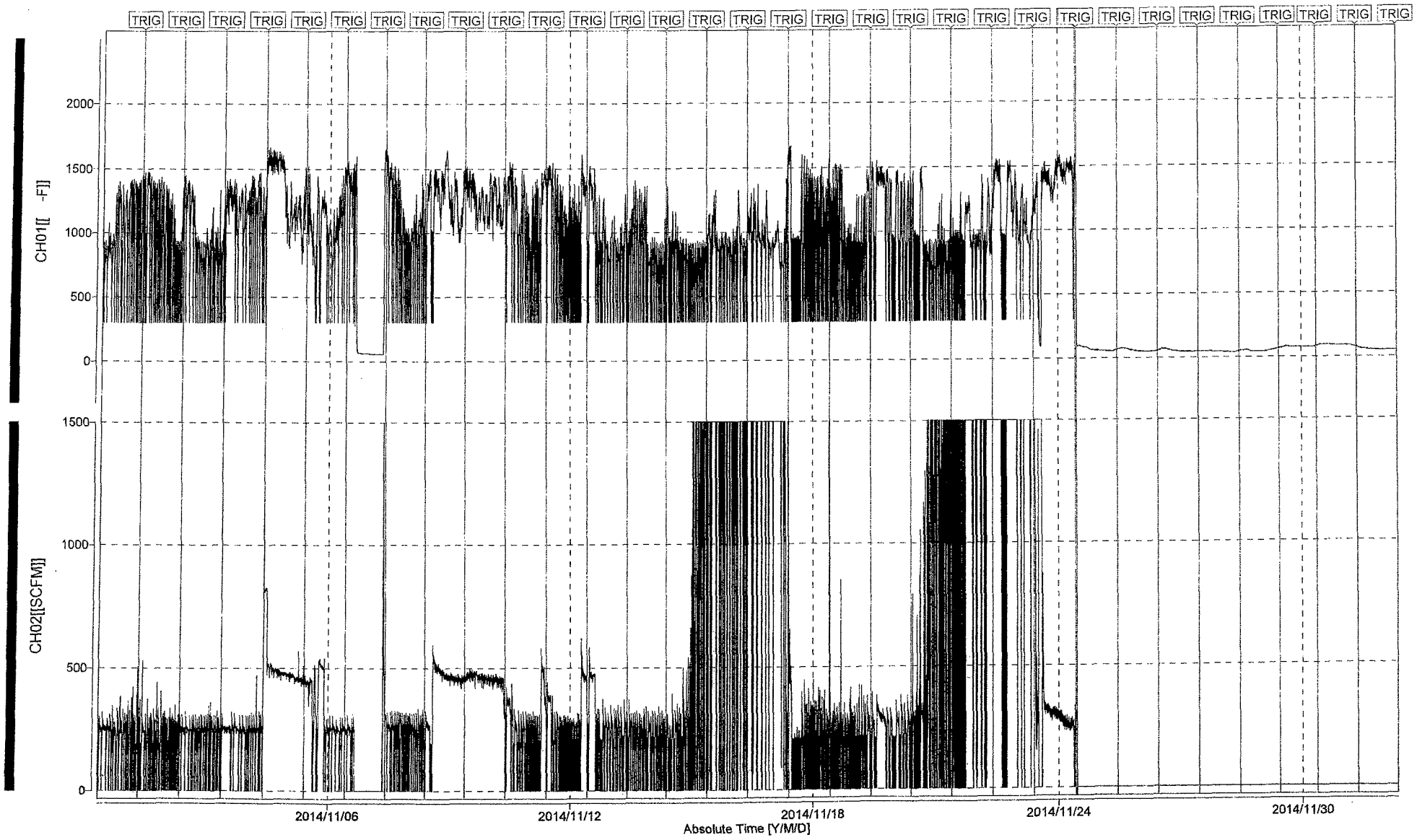
Attachment A – Flare Chart Records
Attachment B – Landfill Gas System Monitoring Data
Attachment C – Gas meter calibration records
Attachment D – O & M Form
Attachment E – Wellfield SOP summary
Attachment F– SSM Forms (if required)
Attachment G – Pump Count Table (if required)
Attachment H – Cover Integrity Inspection (if required)
Attachment I – Additional miscellaneous information
Attachment J – Annual Rolling Data Table

ATTACHMENT A

Flare Chart Records

File Name	: X3111044.DDS,...,Z0110004.DDS	Data Count	: 5752
Device Type	: FX100	Sampling Interval	: 480.000 sec
Serial No.	: S5DB05975	Start Time	: 2014/10/31 11:04:00.000
File Message	:	Stop Time	: 2014/12/02 08:52:00.000
Time Correction	: None	Trigger Time	: 2014/12/02 08:52:00.000
Starting Condition	: Auto	Trigger No.	: 5751
Dividing Condition	: Auto	Damage Check	: Not Damaged
Meas Ch.	: 5		
Math Ch.	: 4		

Printed Group	: FLARE DATA
Printed Range	: 2014/10/31 11:04:00.000 - 2014/12/02 08:52:00.000
Comment	:



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
EW-27RR	11/5/2014 12:27	49.6	34.2	0.1	16.1	-1.03		117	5		-24.86	No Change; No Repair Needed; Good; counter removed
EW-27RR	11/19/2014 12:10	56.6	35.3	0	8.1	0.16	-0.07	104	3	6	-9.62	Slightly Open; No Repair Needed; Good
EW-27RR	11/19/2014 12:10	55.4	36.8	0	7.8	-0.4		110	6		-9.93	2nd Reading; No Repair Needed; Good
EW-63R	11/5/2014 7:36	18.5	26.7	13.7	41.1	-26.88	-24.46	63	14	7	-26.63	Slightly Closed; No Repair Needed; Fair
EW-63R	11/5/2014 7:37	14.5	11.1	16.2	58.2	-15.49		56	10		-26.63	2nd Reading; No Repair Needed; Fair
EW-63R	11/19/2014 8:14	61.5	37.7	0	0.8	2.63	-4.32	30	0	0	-27.02	Slightly Open; No Repair Needed; Fair
EW-63R	11/19/2014 8:15	62	37.3	0	0.7	-12.21		26	16		-26.97	2nd Reading; No Repair Needed; Fair
GRNV17R2	11/5/2014 10:30	51.3	34	0	14.7	-3.02		95	20		-20.46	No Change; No Repair Needed; Good
GRNV17R2	11/19/2014 10:40	54.1	33.8	0	12.1	-0.78	-0.92	95	16	23	-21.1	Slightly Open; No Repair Needed; Good
GRNV17R2	11/19/2014 10:41	54.5	35.4	0	10.1	-0.95		95	20		-21.19	2nd Reading; No Repair Needed; Good
GRNV46R2	11/5/2014 8:38	23.4	17.3	12.2	47.1	-0.06	-0.06	56	11	9	-26.97	No Change; No Repair Needed; Fair; valve barely cracked
GRNV46R2	11/5/2014 8:39	24.6	10.4	12.9	52.1	-0.07		57	9		-26.63	2nd Reading; No Repair Needed; Fair; valve barely cracked
GRNV46R2	11/19/2014 9:20	18.4	17.2	11.9	52.5	-0.4	-0.4	30	0	0	-14.03	No Change; No Repair Needed; Fair
GRNV46R2	11/19/2014 9:21	18.4	10.7	12.7	58.2	-0.78		31	0		-14.03	2nd Reading; No Repair Needed; Fair
GRNV50R3	11/5/2014 8:03	46.4	34.9	0	18.7	-12.04	-11.35	105	21	18	-26.93	Slightly Closed; No Repair Needed; Good
GRNV50R3	11/5/2014 8:05	45.9	35.2	0	18.9	-9.28		104	19		-27.15	2nd Reading; No Repair Needed; Good
GRNV50R3	11/19/2014 8:43	52.7	34.7	0.2	12.4	-7.98		100	19		-26.63	No Change; No Repair Needed; Good
GRNV64R2	11/5/2014 7:34	58.8	39.1	0.1	2	-25.84		118	22		-26.59	No Change; No Repair Needed; Good; 363193
GRNV64R2	11/19/2014 8:12	57.4	37.1	0.1	5.4	-25.93		112	31		-26.33	No Change; No Repair Needed; Good; 370037

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNV65R2	11/5/2014 7:31	12.2	20.9	15.2	51.7	-24.46	-23.43	55	12	3	-26.59	Slightly Closed; No Repair Needed; Fair
GRNV65R2	11/5/2014 7:31	18.5	13.2	14.4	53.9	-21.35		53	9		-26.97	2nd Reading; No Repair Needed; Fair
GRNV65R2	11/19/2014 8:08	59.8	38.8	0	1.4	9.88	-2.53	22	6	15	-26.63	Slightly Open; No Repair Needed; Fair
GRNV65R2	11/19/2014 8:09	59.4	39.3	0	1.3	-15.88		22	15		-26.67	2nd Reading; No Repair Needed; Fair
GRNVL08R	11/5/2014 10:35	46.6	34.6	0	18.8	-2.36	-2.3	97	16	11	-20.37	Slightly Closed; No Repair Needed; Good; 69756
GRNVL08R	11/5/2014 10:36	46.4	35.2	0	18.4	-2.22		94	10		-19.46	2nd Reading; No Repair Needed; Good
GRNVL08R	11/19/2014 10:47	51.7	33.9	0	14.4	-0.01		83	14		-19.55	No Change; No Repair Needed; Good; 69934
GRNVL10R	11/5/2014 12:23	50.8	34.6	0.5	14.1	-1.62		120	29		-18.56	No Change; No Repair Needed; Good; 608
GRNVL10R	11/19/2014 12:03	54	33.1	0.4	12.5	-0.48		115	30		-10.7	No Change; No Repair Needed; Good; 608
GRNVL13R	11/5/2014 9:14	50.1	33.5	0	16.4	-12.51		111	29		-17.31	No Change; No Repair Needed; Good; 148859
GRNVL13R	11/19/2014 10:14	53.7	36.3	0	10	-8.28		107	13		-11.09	No Change; No Repair Needed; Good; 149326
GRNVL18R	11/5/2014 10:54	50.7	33.3	0	16	-7.2		96	22		-23	No Change; No Repair Needed; Good; 291
GRNVL18R	11/19/2014 11:04	51.8	34.4	0	13.8	-4.68		94	34		-21.54	No Change; No Repair Needed; Good; 291
GRNVL26R	11/5/2014 9:01	49.9	34.2	0	15.9	-11.69		99	35		-24.77	No Change; No Repair Needed; Good; 156954
GRNVL26R	11/19/2014 10:02	53.5	35	0	11.5	-5.91		96	20		-12.43	No Change; No Repair Needed; Good; 156954
GRNVL32R	11/5/2014 10:57	50.7	35.4	0.1	13.8	-21.83		127	32		-23.74	No Change; No Repair Needed; Good; 645685
GRNVL32R	11/19/2014 11:07	50.7	35.7	0.3	13.3	-18.64		126	36		-21.62	No Change; No Repair Needed; Good; 724662
GRNVL38R	11/5/2014 12:25	51.7	34.2	0.9	13.2	-0.4		61	12		-19.9	No Change; No Repair Needed; Good; counter removed
GRNVL38R	11/19/2014 12:06	62.3	33.7	0	4	0.8	-0.02	50	0	17	-9.32	Slightly Open; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL38R	11/19/2014 12:07	63.2	33.9	0	2.9	-0.31		87	10		-9.32	2nd Reading; No Repair Needed; Good
GRNVL41R	11/5/2014 8:46	50.5	36.3	0	13.2	-14.54		69	18		-26.93	No Change; No Repair Needed; Good
GRNVL41R	11/19/2014 9:29	53	33.2	0.2	13.6	-8.33		52	6		-13.85	No Change; No Repair Needed; Good
GRNVL43R	11/5/2014 8:42	56.6	30.5	1.8	11.1	-0.14		54	8		-26.63	No Change; No Repair Needed; Fair
GRNVL43R	11/19/2014 9:23	8.3	8.4	18.9	64.4	-14.19	-14.58	31	0	0	-17	Slightly Closed; No Repair Needed; Fair
GRNVL43R	11/19/2014 9:25	57.9	38.8	0.4	2.9	-16.57		32	0		-15.93	2nd Reading; No Repair Needed; Fair
GRNVL44R	11/5/2014 8:44	52.3	34.4	1.4	11.9	-0.68		53	12		-26.63	No Change; No Repair Needed; Fair
GRNVL44R	11/19/2014 9:27	41.4	34.4	4.2	20	-0.67		33	0		-14.37	No Change; No Repair Needed; Fair
GRNVL47R	11/5/2014 8:29	57.6	35.1	0	7.3	-16.35		55	11		-26.97	No Change; No Repair Needed; Good
GRNVL49R	11/5/2014 8:31	59.5	37.2	0.1	3.2	-26.88		101	21		-26.63	No Change; No Repair Needed; Fair; 4689; force main restricted
GRNVL49R	11/19/2014 9:13	58.4	27.5	1.5	12.6	-14.15		97	40		-14.37	No Change; No Repair Needed; Fair; 4692; force main restricted
GRNVL52R	11/5/2014 8:22	61	35	0	4	-26.57		119	25		-26.72	No Change; No Repair Needed; Good; counter removed
GRNVL52R	11/19/2014 9:03	63.1	31.4	0	5.5	-26.27		117	18		-26.63	No Change; No Repair Needed; Good
GRNVL54R	11/5/2014 8:19	52.1	25	0.4	22.5	-11.91		114	18		-26.97	No Change; No Repair Needed; Good; 439011
GRNVL54R	11/19/2014 8:59	58.3	26	0.9	14.8	-9.97	-11.04	112	30	43	-27.02	Slightly Open; No Repair Needed; Good; 439011
GRNVL54R	11/19/2014 9:01	55.4	28.9	1.2	14.5	-13.55		115	42		-26.67	2nd Reading; No Repair Needed; Good
GRNVL59R	11/5/2014 8:07	57.7	36.1	0	6.2	-26.57		106	11		-26.8	No Change; No Repair Needed; Good; 70268
GRNVL59R	11/19/2014 8:45	57.5	38.1	0.3	4.1	-26.57		111	10		-27.71	No Change; No Repair Needed; Good; 82795
GRNVL60R	11/5/2014 8:09	46.3	31.3	0	22.4	-10.61	-10.31	75	15	11	-26.8	Slightly Closed; No Repair Needed; Good
GRNVL60R	11/5/2014 8:10	45.5	32.6	0	21.9	-8.93		75	16		-26.97	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL60R	11/19/2014 8:50	54.5	34	0.3	11.2	-6.6		51	0		-26.59	No Change; No Repair Needed; Good
GRNVLHW1	11/5/2014 9:11	38.8	31.9	1.1	28.2	-0.03		65	4		-24.82	No Change; No Repair Needed; Fair; valve barely cracked
GRNVLHW1	11/19/2014 10:11	60.2	36.1	0	3.7	0.07	-0.01	53	6	9	-11.09	Slightly Open; No Repair Needed; Good
GRNVLHW1	11/19/2014 10:12	61	36.4	0	2.6	-0.04		59	17		-13.51	2nd Reading; No Repair Needed; Good
GRNVLHW3	11/5/2014 7:54	46.6	33.5	2.7	17.2	-0.24	-0.18	61	9	8	-27.28	Slightly Closed; No Repair Needed; Good
GRNVLHW3	11/5/2014 7:55	47.8	30.4	2.8	19	-0.08		61	12		-27.23	2nd Reading; No Repair Needed; Good
GRNVLHW4	11/5/2014 7:44	47.5	34.7	1.5	16.3	-0.45	-0.38	60	13	10	-27.15	Slightly Closed; No Repair Needed; Good
GRNVLHW4	11/5/2014 7:45	48	33.8	1.5	16.7	-0.24		61	16		-27.62	2nd Reading; No Repair Needed; Good
GRNVLHW4	11/19/2014 8:23	60.3	37.1	0	2.6	0.02	-0.04	41	9	15	-26.63	Slightly Open; No Repair Needed; Good
GRNVLHW4	11/19/2014 8:24	61.3	38.3	0	0.4	-0.54		44	11		-26.41	2nd Reading; No Repair Needed; Good
GRNVLHW5	11/5/2014 7:39	48.4	28.2	3.2	20.2	-0.24		62	20		-27.06	No Change; No Repair Needed; Good
GRNVLHW5	11/19/2014 8:17	55.4	35.5	0.9	8.2	-0.09		50	14		-27.58	No Change; No Repair Needed; Good
GRNVLHW6	11/5/2014 8:12	51.4	33.1	1.7	13.8	-0.37		63	13		-26.85	No Change; No Repair Needed; Good
GRNVLHW6	11/19/2014 8:52	56.6	35.3	0.6	7.5	-0.08		48	7		-27.23	No Change; No Repair Needed; Good
GRNVLHW7	11/5/2014 7:51	56.7	39	0.2	4.1	-0.22	-0.42	87	17	28	-27.41	Slightly Open; No Repair Needed; Good
GRNVLHW7	11/5/2014 7:52	56.8	39	0.2	4	-0.24		87	38		-28.01	2nd Reading; No Repair Needed; Good
GRNVLHW7	11/19/2014 8:28	56.8	38.2	0.2	4.8	-1.86		82	103		-26.54	No Change; No Repair Needed; Good
GRNVLHW8	11/5/2014 7:41	48.9	34.1	1.9	15.1	-0.03		91	17		-26.59	No Change; No Repair Needed; Good
GRNVLHW8	11/19/2014 8:20	48.3	36.6	2.3	12.8	-0.01		82	36		-26.33	No Change; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLPW1	11/5/2014 7:57	57.2	34.8	1.1	6.9	-25.5		87	32		-26.97	No Change; No Repair Needed; Good; 13506
GRNVLPW1	11/19/2014 8:35	48.8	31.2	3.4	16.6	-22.09		62	48		-26.67	No Change; Pump Maintenance Required; Fair; 13506
GRNVLPW2	11/5/2014 7:48	58.8	39.9	0	1.3	-16.39	-22.09	104	60	50	-26.97	Slightly Open; No Repair Needed; Good; 18348
GRNVLPW2	11/5/2014 7:49	58.7	39.9	0	1.4	-21.1		104	62		-27.19	2nd Reading; No Repair Needed; Good
GRNVLPW2	11/19/2014 8:26	55.5	38.2	0.7	5.6	-25.93		89	43		-27.32	No Change; No Repair Needed; Good; 18348
GRNVLY01	11/5/2014 12:33	47.7	35	0	17.3	-20.36	-19.93	105	21	20	-23.48	Slightly Closed; No Repair Needed; Good
GRNVLY01	11/5/2014 12:34	46.8	34.4	0	18.8	-19.24		105	24		-27.62	2nd Reading; No Repair Needed; Good
GRNVLY01	11/19/2014 12:17	53.7	36.1	0	10.2	-8.89		101	10		-11.39	No Change; No Repair Needed; Good
GRNVLY02	11/5/2014 12:36	55.3	35.4	0.5	8.8	-3.35		112	35		-23.78	No Change; No Repair Needed; Good
GRNVLY02	11/19/2014 12:19	60.3	36.1	0	3.6	-0.13		102	13		-10.75	No Change; No Repair Needed; Good
GRNVLY03	11/5/2014 8:56	60.1	36	0	3.9	-24.81		101	13		-25.55	No Change; No Repair Needed; Good
GRNVLY03	11/19/2014 9:58	59.4	36.3	0	4.3	-11.73		91	14		-12.43	No Change; No Repair Needed; Good
GRNVLY04	11/5/2014 12:39	11.3	19.3	18.1	51.3	-4.55	-4.55	59	0	0	-22.14	No Change; No Repair Needed; Fair; 262789; valve barely cracked
GRNVLY04	11/5/2014 12:40	0.6	4.4	20.6	74.4	-4.57		59	0		-24.95	2nd Reading; No Repair Needed; Fair; well influence; decommission requested
GRNVLY04	11/19/2014 12:22	1.8	10.2	19.1	68.9	-2.72	-2.71	50	0	0	-9.37	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY04	11/19/2014 12:23	0.6	1.5	20.5	77.4	-2.64		48	0		-9.32	2nd Reading; No Repair Needed; Fair
GRNVLY12	11/5/2014 9:06	46.6	35.5	0.1	17.8	-23.17	-22.48	99	0	0	-24.38	Slightly Closed; No Repair Needed; Good
GRNVLY12	11/5/2014 9:06	45.7	34.2	0.2	19.9	-21.83		99	0		-25.42	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY12	11/19/2014 10:07	48.9	35.6	0.3	15.2	-10.31		87	0		-11.44	No Change; No Repair Needed; Good
GRNVLY16	11/5/2014 10:24	48.6	34.4	0	17	-18.59		100	33		-18.34	No Change; No Repair Needed; Good
GRNVLY16	11/19/2014 10:34	52.6	34.6	0	12.8	-19.54		100	30		-19.42	No Change; No Repair Needed; Good
GRNVLY19	11/5/2014 9:22	49.8	35.3	0	14.9	-8.63		95	18		-16.23	No Change; No Repair Needed; Good
GRNVLY19	11/19/2014 10:21	52.5	35.5	0	12	-4.99		92	15		-10.4	No Change; No Repair Needed; Good
GRNVLY20	11/5/2014 10:10	49.2	33.1	0	17.7	-3.69		108	44		-18.56	No Change; No Repair Needed; Good
GRNVLY20	11/19/2014 10:23	52.2	35.3	0	12.5	-1.33		106	46		-10.36	No Change; No Repair Needed; Good
GRNVLY21	11/5/2014 10:13	48	35	0	17	-17.64		101	37		-18.34	No Change; No Repair Needed; Good; 68
GRNVLY21	11/19/2014 10:26	51	35.4	0	13.6	-13.81		100	33		-14.11	No Change; No Repair Needed; Good; 68
GRNVLY22	11/5/2014 10:16	47.1	34.5	0	18.4	-15.27	-14.8	82	29	11	-18.73	Slightly Closed; No Repair Needed; Good
GRNVLY22	11/5/2014 10:17	47.7	34.3	0	18	-14.11		81	22		-18.99	2nd Reading; No Repair Needed; Good
GRNVLY22	11/19/2014 10:29	51.3	35.2	0	13.5	-7.94		80	24		-17.26	No Change; No Repair Needed; Good
GRNVLY23	11/5/2014 10:20	48.1	34.3	0.2	17.4	-4.62		83	20		-19.21	No Change; No Repair Needed; Good; 204
GRNVLY23	11/19/2014 10:31	49.8	34.6	0	15.6	-2.63		81	14		-20.5	No Change; No Repair Needed; Good; 204
GRNVLY24	11/5/2014 8:58	51.5	33.8	0.9	13.8	-3.45		56	13		-25.59	No Change; No Repair Needed; Good
GRNVLY24	11/19/2014 10:00	56.5	35.8	0.4	7.3	-0.5		51	0		-13.81	No Change; No Repair Needed; Good
GRNVLY25	11/5/2014 12:30	49.3	35.7	0.1	14.9	-9.53		105	9		-25.9	No Change; No Repair Needed; Good; 196529
GRNVLY25	11/19/2014 12:14	52.7	36.7	0.1	10.5	-4.13		96	0		-10.06	No Change; No Repair Needed; Good; 198384
GRNVLY28	11/5/2014 9:03	49.5	35.3	0.1	15.1	-17.08		106	32		-25.55	No Change; No Repair Needed; Good; 80109

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY28	11/19/2014 10:04	50.9	36	0.5	12.6	-8.28		102	18		-11.48	No Change; No Repair Needed; Good; 82117
GRNVLY29	11/5/2014 11:03	41.3	31.3	0.4	27	-0.91	-0.82	101	12	8	-24.9	Slightly Closed; No Repair Needed; Good; 112564
GRNVLY29	11/5/2014 11:04	41.1	30.7	0.5	27.7	-0.69		99	10		-25.21	2nd Reading; No Repair Needed; Good
GRNVLY29	11/19/2014 11:10	53	34.5	0	12.5	0.29	-0.21	79	0	27	-21.58	Slightly Open; No Repair Needed; Good; 116043
GRNVLY29	11/19/2014 11:11	53.1	35.7	0.1	11.1	-0.23		86	5		-21.45	2nd Reading; No Repair Needed; Good
GRNVLY30	11/5/2014 9:08	49.3	33.1	0.5	17.1	-2.47		84	15		-22.83	No Change; No Repair Needed; Good
GRNVLY30	11/19/2014 10:09	56.7	35.2	0	8.1	-0.53		69	0		-11.48	No Change; No Repair Needed; Good
GRNVLY31	11/5/2014 9:16	53.9	35.5	0	10.6	-24.85		104	22		-25.59	No Change; No Repair Needed; Good
GRNVLY31	11/19/2014 10:17	55.6	36.1	0	8.3	-10.74		94	7		-10.4	No Change; No Repair Needed; Good
GRNVLY33	11/5/2014 10:51	23.1	21.8	4.9	50.2	-2.61		127	0		-17.52	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY33	11/19/2014 10:59	33.4	28.1	0.9	37.6	0.36	-0.01	45	4	12	-20.98	Slightly Open; No Repair Needed; Fair
GRNVLY33	11/19/2014 11:01	34.9	27.7	0.3	37.1	-0.01		93	8		-20.8	2nd Reading; No Repair Needed; Fair
GRNVLY34	11/5/2014 9:19	51	35.4	0	13.6	-7.25		103	40		-25.33	No Change; No Repair Needed; Good
GRNVLY34	11/19/2014 10:19	52.4	36.1	0.1	11.4	-3.84		101	19		-10.4	No Change; No Repair Needed; Good
GRNVLY35	11/5/2014 10:43	45.4	32.6	1	21	-1.94	-1.83	121	25	23	-17.61	Slightly Closed; No Repair Needed; Good; 10523
GRNVLY35	11/5/2014 10:44	46.3	33.7	0.9	19.1	-1.71		118	8		-21.84	2nd Reading; No Repair Needed; Good
GRNVLY35	11/19/2014 10:55	42.8	29.7	4.1	23.4	-0.02		118	10		-20.41	No Change; No Repair Needed; Fair; 10523; valve barely cracked
GRNVLY36	11/5/2014 10:33	50.9	35.4	0	13.7	-16.74		126	41		-18.56	No Change; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY36	11/19/2014 10:44	54.2	35.6	0	10.2	-17.86		126	53		-20.46	No Change; No Repair Needed; Good
GRNVLY37	11/5/2014 10:27	47.2	33.6	0	19.2	-7.2	-6.86	86	24	14	-18.9	Slightly Closed; No Repair Needed; Good
GRNVLY37	11/5/2014 10:28	48.2	33.5	0	18.3	-6.51		84	10		-19.59	2nd Reading; No Repair Needed; Good
GRNVLY37	11/19/2014 10:38	50.7	34.2	0	15.1	-3.24		84	13		-20.07	No Change; No Repair Needed; Good
GRNVLY55	11/5/2014 8:48	60.6	35.5	0	3.9	-27.22		108	36		-27.06	No Change; No Repair Needed; Good; 1980
GRNVLY55	11/19/2014 9:32	57.4	36.3	0.1	6.2	-12.94		105	17		-13.08	No Change; No Repair Needed; Good; 1980
GRNVLY56	11/5/2014 8:35	57.1	33.6	0.8	8.5	-23.08		87	27		-26.63	No Change; No Repair Needed; Good; 57257
GRNVLY56	11/19/2014 9:17	56.8	34.6	0.2	8.4	-12.51		77	0		-14.37	No Change; No Repair Needed; Good
GRNVLY57	11/5/2014 8:27	50.5	33.4	0	16.1	-12.94		93	15		-27.23	No Change; No Repair Needed; Good; 10875
GRNVLY57	11/19/2014 9:08	53.8	34.1	0.3	11.8	-9.97		84	7		-16.88	No Change; No Repair Needed; Good; 11076
GRNVLY58	11/5/2014 8:25	51.1	34	0.9	14	-9.32		103	31		-27.15	No Change; No Repair Needed; Good; 303
GRNVLY58	11/19/2014 9:06	53.4	34.3	1.1	11.2	-8.63		101	26		-26.85	No Change; No Repair Needed; Good; 303
GRNVLY61	11/5/2014 8:16	52.7	25.1	0	22.2	-26.88		75	22		-26.93	No Change; No Repair Needed; Good
GRNVLY61	11/19/2014 8:56	54.4	28	0.1	17.5	-26.92		61	6		-26.67	No Change; No Repair Needed; Good
GRNVLY62	11/5/2014 8:14	51.2	38	0.4	10.4	-26.92		64	9		-26.93	No Change; No Repair Needed; Good
GRNVLY62	11/19/2014 8:54	54.4	36.4	0.9	8.3	-26.96		41	7		-26.97	No Change; No Repair Needed; Good
GRNVLY7R	11/5/2014 10:40	36.2	24.7	1.5	37.6	-8.58		111	10		-19.34	No Change; No Repair Needed; Fair; 155540; well influence
GRNVLY7R	11/19/2014 10:50	37.5	29.5	1.9	31.1	-7.25		72	0		-19.16	No Change; No Repair Needed; Fair; valve barely cracked; well influence

Green Valley Landfill
Wellfield Monitoring Data - November 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVBOT2	11/5/2014 7:21	47.3	33.3	1.1	18.3	1.11	1.06	81	250	250	0	No Change; No Repair Needed; Good
GRNVBOT2	11/19/2014 7:55	50.3	32.6	1.2	15.9	0.53	0.48	56	240	240	-0.04	No Change; No Repair Needed; Good
GRNVCO02	11/5/2014 8:51	54.2	32	0.5	13.3	-24.16		54	10		-26.93	No Change; No Repair Needed; Good
GRNVCO02	11/19/2014 9:35	55.1	29.6	1.4	13.9	-12.08		33	8		-13.42	No Change; No Repair Needed; Good
GRNVLBIN	11/5/2014 7:18	48.1	31.8	1.3	18.8	-27.26	-27.91	73	700	700	0	No Change; No Repair Needed; Good
GRNVLBIN	11/5/2014 13:41	47.5	32.3	1.2	19	-27.14	-27.31	74	710	710	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	11/19/2014 7:51	50.3	31.9	1.4	16.4	-26.96	-26.92	65	650	650	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	11/19/2014 13:08	51.2	32.4	1.1	15.3	-10.96	-10.96	64	420	420	-0.04	No Change; No Repair Needed; Good
GRNVLBOT	11/5/2014 7:20	47.5	33.3	1.1	18.1	5.82	6.13	80	450	450	-0.04	No Change; No Repair Needed; Good
GRNVLBOT	11/19/2014 7:53	50.3	32.2	1.3	16.2	6.13	6.21	63	410	410	0	No Change; No Repair Needed; Good
GRNVLBOT	11/19/2014 13:10	50.9	33.8	1.3	14	7.29	7.33	66	420	420	-0.04	No Change; No Repair Needed; Good
Flare 1	11/5/2014 13:46	47.7	33.5	1	17.8	1.07	0.97	85	260	260	0	GHG Reading; No Repair Needed; Good; No Totalizer
Plant 1	11/5/2014 13:44	48	33.5	1	17.5	5.87	6.21	86	450	450	0	GHG Reading; No Repair Needed; Good; 26306498 scf

Total Number of Wells	61
Total Number of Well Readings	61
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	21
Number of Wells With Methane > 52%	45
Number of Wells With Methane > 58%	13
Number of Wells With Oxygen > 1%	11
Number of Wells With Temperature > 120°F	2
Number of Wells With Flow < 5 SCFM	11

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/5/14
Meter Time:	7:12 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1843	0	-0.05
Methane	000000EE1967	49.88	49.55
Oxygen	000000EE1967	0	0.12
Oxygen	000000EE1843	4	3.93
CO2	000000EE1843	0	0.05
CO2	000000EE1967	35	35.81
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/5/14
Meter Time:	12:17 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1843	0	0.07
Methane	000000EE1967	49.88	50.33
Oxygen	000000EE1967	0	-0.15
Oxygen	000000EE1843	4	4.03
CO2	000000EE1843	0	0
CO2	000000EE1967	35	34.84
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0
Differential (high)	NA	0	0.02

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/5/14
Meter Time:	1:32 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1843	0	-0.04
Methane	000000EE1967	49.88	49.94
Oxygen	000000EE1967	0	0.08
Oxygen	000000EE1843	4	4.06
CO2	000000EE1843	0	-0.05
CO2	000000EE1967	35	34.97
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/19/14
Meter Time:	7:47 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2155	0	-0.02
Methane	000000EE1960	49.88	50
Oxygen	000000EE1960	0	0.08
Oxygen	000000EE2155	4	3.91
CO2	000000EE2155	0	-0.01
CO2	000000EE1960	35	34.78
Available (high)	NA	0	-0.09
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/19/14
Meter Time:	11:56 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2155	0	0.02
Methane	000000EE1960	49.88	49.5
Oxygen	000000EE1960	0	-0.09
Oxygen	000000EE2155	4	4.06
CO2	000000EE2155	0	0
CO2	000000EE1960	35	34.63
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/19/14
Meter Time:	1:05 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2155	0	0
Methane	000000EE1960	49.88	49.9
Oxygen	000000EE1960	0	0.03
Oxygen	000000EE2155	4	4.03
CO2	000000EE2155	0	-0.01
CO2	000000EE1960	35	34.91
Available (high)	NA	0	-0.09
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	0
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.01

ATTACHMENT D

O & M Report

Monitoring
Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: Zack Ankney

Date: 11/5/2014

Flare Station / Skid Components

Item	Yes	No		Comments
Flare Operating in Automatic Mode	☑	☐		
Blower / flare operating properly	☐	☑		
Autodialer functioning	☐	☑		
VFD vacuum setpoint	In-W.C.		-28	
Motor operating properly	☑	☑		
Plant flow rate	SCFM		450	Flare Flow Rate: 260
Bearings properly lubricated	☑	☐		
Any Unusual Noises at B/F Skid	☐	☑		
Belts / drive correct	☑	☐		
Blower casing drained	☑	☐		
Valves properly positioned	☑	☐		
Chart recorder functioning	☑	☐		
Actuators maintained	☑	☐		
KOP Demister differential pressure	In. W.C		N/A	
Flame arrestor differential pressure	In. W.C		N/A	
Flame arrestor inlet pressure	In. W.C		N/A	
Nitrogen Cylinder Pressure	PSI		N/A	
Propane Cylinder Pressure	%		EMPTY	NEEDS FILLED IMMEDIATELY

Air Compressor Components

Item	Yes	No		Comments
Unit Operating in Automatic Mode	☑	☐		Hours: 11974; Temp: 197 F - Service Due
Compressor Tank Drained	☑	☐		
Filters Clean	☑	☐		
Compressor Tank Pressure	PSI		104	
Compressor Properly Lubricated	☑	☐		
Compressor Belts Worn	☐	☑		
Belts at Proper Tension	☑	☐		

Sumps, Pumps, and Valves

Check sumps and pumps for proper operation. Inspect applicable electrical and pneumatic connections. Check that condensate level in sump is normal. Listen for air leaks and inspect for condensate leaks at pump discharge. Ensure valves are in the proper position. Manually jog or cycle pump on/off as applicable.

Location/Name	Comments
CK 1-4, DL 7&8, Toe Drain and CK-H	All cycling properly; CK-3 leaking has been repaired

Additional Comments

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
November 2014

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV64R2	11/5/2014 7:34	58.8	GRNVLHW1	11/19/2014 10:12	61
GRNV65R2	11/19/2014 8:08	59.8	GRNVLHW4	11/19/2014 8:24	61.3
GRNVL38R	11/19/2014 12:07	63.2	GRNVLPW2	11/5/2014 7:48	58.8
GRNVL49R	11/5/2014 8:31	59.5	GRNVLY02	11/19/2014 12:19	60.3
GRNVL52R	11/19/2014 9:03	63.1	GRNVLY03	11/5/2014 8:56	60.1
GRNVL54R	11/19/2014 8:59	58.3	GRNVLY55	11/5/2014 8:48	60.6
GRNVL63R	11/19/2014 8:15	62			

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	11/19/2014 10:41	54.5	GRNVLHW7	11/5/2014 7:52	56.8
GRNV27RR	11/19/2014 12:10	56.6	GRNVLPW1	11/5/2014 7:57	57.2
GRNV50R3	11/19/2014 8:43	52.7	GRNVLPW2	11/5/2014 7:48	58.8
GRNV64R2	11/5/2014 7:34	58.8	GRNVLY01	11/19/2014 12:17	53.7
GRNV65R2	11/19/2014 8:08	59.8	GRNVLY02	11/19/2014 12:19	60.3
GRNVL10R	11/19/2014 12:03	54	GRNVLY03	11/5/2014 8:56	60.1
GRNVL13R	11/19/2014 10:14	53.7	GRNVLY16	11/19/2014 10:34	52.6
GRNVL26R	11/19/2014 10:02	53.5	GRNVLY19	11/19/2014 10:21	52.5
GRNVL38R	11/19/2014 12:07	63.2	GRNVLY20	11/19/2014 10:23	52.2
GRNVL41R	11/19/2014 9:29	53	GRNVLY24	11/19/2014 10:00	56.5
GRNVL43R	11/19/2014 9:25	57.9	GRNVLY25	11/19/2014 12:14	52.7
GRNVL44R	11/5/2014 8:44	52.3	GRNVLY29	11/19/2014 11:11	53.1
GRNVL47R	11/5/2014 8:29	57.6	GRNVLY30	11/19/2014 10:09	56.7
GRNVL49R	11/5/2014 8:31	59.5	GRNVLY31	11/19/2014 10:17	55.6
GRNVL52R	11/19/2014 9:03	63.1	GRNVLY34	11/19/2014 10:19	52.4
GRNVL54R	11/19/2014 8:59	58.3	GRNVLY36	11/19/2014 10:44	54.2
GRNVL59R	11/5/2014 8:07	57.7	GRNVLY55	11/5/2014 8:48	60.6
GRNVL60R	11/19/2014 8:50	54.5	GRNVLY56	11/5/2014 8:35	57.1
GRNVL63R	11/19/2014 8:15	62	GRNVLY57	11/19/2014 9:08	53.8
GRNVLHW1	11/19/2014 10:12	61	GRNVLY58	11/19/2014 9:06	53.4
GRNVLHW4	11/19/2014 8:24	61.3	GRNVLY61	11/19/2014 8:56	54.4
GRNVLHW5	11/19/2014 8:17	55.4	GRNVLY62	11/19/2014 8:54	54.4
GRNVLHW6	11/19/2014 8:52	56.6			

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV46R2	11/19/2014 9:20	18.4	GRNVLY01	11/5/2014 12:34	46.8
GRNV50R3	11/5/2014 8:05	45.9	GRNVLY04	11/5/2014 12:40	0.6
GRNV65R2	11/5/2014 7:31	12.2	GRNVLY12	11/5/2014 9:06	45.7
GRNVL08R	11/5/2014 10:36	46.4	GRNVLY21	11/5/2014 10:13	48
GRNVL43R	11/19/2014 9:23	8.3	GRNVLY22	11/5/2014 10:16	47.1
GRNVL44R	11/19/2014 9:27	41.4	GRNVLY29	11/5/2014 11:04	41.1
GRNVL60R	11/5/2014 8:10	45.5	GRNVLY33	11/5/2014 10:51	23.1
GRNVL63R	11/5/2014 7:37	14.5	GRNVLY35	11/19/2014 10:55	42.8
GRNVLHW1	11/5/2014 9:11	38.8	GRNVLY37	11/5/2014 10:27	47.2
GRNVLHW3	11/5/2014 7:54	46.6	GRNVLY7R	11/5/2014 10:40	36.2
GRNVLHW4	11/5/2014 7:44	47.5			

Green Valley Landfill
Wellfield SOP Summary
November 2014

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV46R2	11/19/2014 9:21	0	GRNVLY24	11/19/2014 10:00	0
GRNVL43R	11/19/2014 9:25	0	GRNVLY25	11/19/2014 12:14	0
GRNVL44R	11/19/2014 9:27	0	GRNVLY30	11/19/2014 10:09	0
GRNVL60R	11/19/2014 8:50	0	GRNVLY56	11/19/2014 9:17	0
GRNVLY04	11/19/2014 12:23	0	GRNVLY7R	11/19/2014 10:50	0
GRNVLY12	11/19/2014 10:07	0			

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV46R2	11/19/2014 9:21	12.7	GRNVLPW1	11/19/2014 8:35	3.4
GRNVL44R	11/19/2014 9:27	4.2	GRNVLY04	11/19/2014 12:23	20.5
GRNVL49R	11/19/2014 9:13	1.5	GRNVLY35	11/19/2014 10:55	4.1
GRNVL54R	11/19/2014 9:01	1.2	GRNVLY58	11/19/2014 9:06	1.1
GRNVLHW3	11/5/2014 7:55	2.8	GRNVLY7R	11/19/2014 10:50	1.9
GRNVLHW8	11/19/2014 8:20	2.3			

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNVL32R	11/19/2014 11:07	126.6	GRNVLY36	11/19/2014 10:44	126.9

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/7/14 8:28	11/7/14 8:29	0.02	10	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/6/14 15:40	11/7/14 8:28	16.80	10	Complete section 2 Below	

Date Form Filled Out: 12/08/14 Signature: *Paul D. Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flare could not restarts due to lack of propane.

For Start-ups and Shutdowns

Note:

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes: **Green Valley** **Flare** **11/7/14**

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☑ **10 Automatic shutdown of control device by designed protective systems**
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☐ 29 Continuous Monitoring System Malfunction - Flow Monitor
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

ATTACHMENT G

Pump Count Table

Technician: Paul Flory/Zack Ankney
Date: 2014

GREEN VALLEY PUMP COUNTER INFORMATION

Pumps	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
DL-7	287896	297552	305789	309464	315934	318,098	324236	330381	336410	342792	348469	
DL-8	1783	1783	2279	2547	Removed	Removed	Removed	Removed	Removed	Removed	Removed	
CK-1	473512	485094	493941	501182	509500	513,532	525668	538274	550414	563203	575312	
CK-2	209528	211751	213923	216505	220464	222473	231546	239444	247319	255881	262101	
CK-3	927685	942218	960371	985386	271	9228	32565	51616	70415	89941	111596	
CK-4	31673	39189	56246	73570	78598	82496	91888	96791	102910	106706	109496	
CK-H	283730	361537	605581	907606	952395	956256	961177	963238	14000	16059	41061	
Toe Drain	704959	845894	919151	[illegible]	307712	343,274	400734	433931	476481	513427	551499	
GRNVLPW1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13506	13506	
GRNVLPW2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18348	
RS1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	323	327	
RS2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1346	1348	
GRNVLY04	716033	774517	882520	920916	982868	53123	96742	148164	[illegible]	246675	262789	
GRNVLY7R	812913	865126	899584	918321	966928	7695	50865	82492	115354	144147	[illegible]	
GRNVL08R	63063	63888	64947	[illegible]	66933	67675	68363	[illegible]	69061	69517	[illegible]	
GRNVL10R	604	[illegible]	608	608	608	608	608	608	608	608	608	
GRNVL13R	123056	126584	129428	[illegible]	134467	137791	141549	[illegible]	146182	147726	[illegible]	
GRNVL18R	[illegible]	288	288	[illegible]	290	290	290	291	291	291	291	
GRNVLY21	64	[illegible]	66	66	66	66	66	66	[illegible]	68	68	
GRNVLY23	[illegible]	Counter needed	Counter needed	Counter needed	204	204	204	[illegible]	204	204	204	
GRNVLY25	155354	158401	164924	167454	170933	175788	181634	184002	[illegible]	194725	198384	
GRNVL26R	149753	152018	153637	153637	155993	156909	156938	156954	156954	156954	156954	
GRNV27RR	10712	10712	10712	10712	10717	10717	10723	10723	10729	10731	[illegible]	
GRNVLY28	54939	60430	61743	61749	63120	63126	63159	68777	73719	78168	82117	
GRNVLY29	105929	[illegible]	108806	109583	Missed	110598	111002	[illegible]	111015	111369	[illegible]	
GRNVL32R	[illegible]	388317	613352	[illegible]	613352	613352	613352	613352	613352	613352	[illegible]	
GRNVLY35	273	273	273	[illegible]	274	274	274	[illegible]	9848	[illegible]	10523	
GRNVL38R	24808	24947	24947	24947	24947	24947	24947	24947	24947	24947	[illegible]	
GRNVL41R	98675	[illegible]	98719	98721	Missed	98730	98732	98734	98739	98740	98740	
GRNVL43R	369256	[illegible]	9458	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	
GRNVL44R	[illegible]	[illegible]	[illegible]	[illegible]	98726	Removed	Removed	Removed	Removed	Removed	Removed	
GRNVL47R	[illegible]	[illegible]	[illegible]	[illegible]	Missed	225	225	229	[illegible]	229	229	
GRNVL49R	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4692	
GRNVL52R	41479	58747	70281	73170	77799	[illegible]	77799	77799	41141	59460	[illegible]	
GRNVL54R	458059	458061	458061	458061	458061	[illegible]	350274	375828	417826	434160	439011	
GRNVLY55	1944	1945	1945	[illegible]	1947	[illegible]	1957	1968	1968	1968	[illegible]	
GRNVLY56	51769	52333	52333	52333	52333	[illegible]	52649	53638	55749	56721	[illegible]	
GRNVLY57	7832	8393	8923	[illegible]	9629	[illegible]	10209	10410	10446	10446	[illegible]	
GRNVLY58	264	288	288	288	288	[illegible]	291	292	292	293	303	
GRNVL59R	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82795	
GRNVL60R	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	206	206	
GRNVLY61	21328	21328	23024	[illegible]	46139	[illegible]	46340	[illegible]	865658	[illegible]	873203	
GRNVLY62	251	251	251	[illegible]	Removed	Removed	Removed	Removed	10656	27990	35499	
GRNVL63R	276200	276202	276202	[illegible]	Removed	Removed	Removed	Removed	[illegible]	NA	NA	
GRNV64R2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	259513	370037	

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan

Monitoring Control and Compliance, Inc.

LANDFILL: Green Valley - 2014

Month	Cover Integrity problems found during the inspection	Date Site Notified MCC/Republic Initials	Date Repairs Made Republic Initials	Site Remediation
January 2014	Revised 2/18/14. Unit I cover is intact with very minor issues near HW01. Unit II cover is intact with minor issues near HW3, HW4, HW5 and HW6.	1/31/2014 ZA		
February 2014	Unit I looks good, no problems. Significant odors on Unit II near HW3-HW6. Minor erosion ruts forming on North face between EW62 and EW63R. Leachate stain between HW4 and HW5.	3/6/2014 ZA		
March 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6.	3/11/2014 ZA		
April 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6. No new cover issues to report.	4/9/2014 ZA		
May 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Leachate seep on Unit II between HW4 and HW5 has been repaired. Seep between EW62 and EW63 still exists. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R.	5/30/2014 ZA		
June 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck of the entirety of the unit. Erosion rills of Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R.	6/9/2014 ZA		
July 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck of the entirety of the unit. Erosion rills of Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R.	7/14/2014 ZA		
August 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote.	8/12/2014 ZA		
September 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and north slope. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Soft spot between EW56 and EW47R has been repaired. A portion of Unit I has been mowed, but needs completed.	9/10/2014 ZA		
October 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2. A portion of Unit I has been mowed, but needs completed.	10/9/2014 ZA		
November 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2. A portion of Unit I has been mowed, but needs completed. No new cover issues to address.	11/5/2014 ZA		
December 2014				

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-38R

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	NA
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	61
Well Depth (ft)	85
Drill log Depth (ft)	NA
Pump Set Depth (ft)	NA
Pump Operational	no

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	24947
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	10

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pump stuck; could not pull.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-32R

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	NA
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	78
Well Depth (ft)	82.3
Drill log Depth (ft)	NA
Pump Set Depth (ft)	NA
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	613366
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	10

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pump stuck; could not pull, but, it is still pumping.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-27RR

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	NA
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	59.2
Well Depth (ft)	82.5
Drill log Depth (ft)	NA
Pump Set Depth (ft)	NA
Pump Operational	no

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	10731
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	10

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pump stuck; could not pull.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-52R

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	NA
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	50
Well Depth (ft)	75.5
Drill log Depth (ft)	NA
Pump Set Depth (ft)	NA
Pump Operational	no

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	59462
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	10

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pump stuck, could not pull it.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-58

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	49556
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	44.5
Well Depth (ft)	50
Drill log Depth (ft)	NA
Pump Set Depth (ft)	45
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	600300
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	10

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Cleaned and reinstalled.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-57

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-3361
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	38.7
Well Depth (ft)	47.5
Drill log Depth (ft)	NA
Pump Set Depth (ft)	47
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	10450
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	110
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	100

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Cleaned and reinstalled. Also, there is a lot of FM pressure in the area. Increased the regulator pressure from 80 to 110 and the pump is pumping. Extended the pump from 37.7 to 47 ft.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-56

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-3362
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	38
Well Depth (ft)	51.9
Drill log Depth (ft)	NA
Pump Set Depth (ft)	48
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 56724
Wellhead with compression fittings	X		
Hoses	X		
Hose Barbs	X		
Clamps	X		
Quick Connect Fittings	X		
Regulator	X		Setpoint (psi): 110
Regulator Particulat Filter	X		
Condensation Trap	X		
Air Line PSI	X		PSI 120
FM Pressure	X		PSI 100

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Cleaned and reinstalled. Also, there is a lot of FM pressure in the area. Increased the regulator pressure from 80 to 110 and the pump is pumping.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-55

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-3412
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	50.6
Well Depth (ft)	56.7
Drill log Depth (ft)	NA
Pump Set Depth (ft)	52
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments:
Counter	X		Count: 1968
Wellhead with compression fittings	X		
Hoses	X		
Hose Barbs	X		
Clamps	X		
Quick Connect Fittings	X		
Regulator	X		Setpoint (psi): 100
Regulator Particulat Filter	X		
Condensation Trap	X		
Air Line PSI	X		PSI 120
FM Pressure	X		PSI 105

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Cleaned and reinstalled. Liquid level is at or below the pumping level. Also there is a lot of FM pressure in the area.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-29

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-1657
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	50.4
Well Depth (ft)	74.2
Drill log Depth (ft)	NA
Pump Set Depth (ft)	73
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	11136
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	75
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Cleaned and reinstalled. Tri tubing was broken and brittle, replaced the tubing with new and pump is pumping. May need to get tubing for high temp.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-13R

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-3418
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	49
Well Depth (ft)	52.9
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	51
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	148807
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	90
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Cleaned and reinstalled.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-8R

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4
Pump ID	3-245415
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	56.5
Well Depth (ft)	62.4
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	58
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	69741
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Cleaned and reinstalled. Had to replace exhaust valve and pin.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-7R

Site Information

Technician	Glen Tackett
Date	11/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-5476
Tri-Tubing Diameter	1 in OD
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	75.5
Well Depth (ft)	79.9
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	73
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	154957
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	120
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Cleaned and reinstalled.

Parts Required for Repair/Replacement

Monitoring
Control and Compliance, Inc.

Site: Green Valley
Well: 47R
Date: 11/5/2014
Technician: Glen Tackett/Doug Owens

Well Physical Description

Wellhead Type	
Wellhead Size	
Well Construction Material	HDPE
Well Diameter	6"
Stickup Height	4'

Measurements

	From top of Casing* (Feet)
Depth to Water	35'
Depth to Perforations	N/A
Depth to Pinch	60 Ft
Depth to Bottom	N/A

* As measured with the camera cable

Perforation Inspection

Type of Perforations	N/A
Condition of Perforations	

Weld / Coupler Inspection

Footage to first coupler	10'
Condition of first coupler	Good
Condition of couplers	Good
Condition of welds	Good

Other Items (Are these items present?)

Air Lines	
Condensate Lines	
Pump	
Elbows	

Comments: The well is not straight underground. There is a lot of bends. Liquid from 35'-60'. Can't see perfs. We tried to install a AP2 pump in this well, but it would not go down.

Monitoring
Control and Compliance, Inc.

Site: Green Valley
Well: 43R
Date: 11/5/2014
Technician: Glen Tackett/Doug Owens

Well Physical Description

Wellhead Type	
Wellhead Size	
Well Construction Material	HDPE
Well Diameter	6"
Stickup Height	4'

Measurements

	From top of Casing* (Feet)
Depth to Water	26'
Depth to Perforations	N/A
Depth to Pinch	31'
Depth to Bottom	N/A

* As measured with the camera cable

Perforation Inspection

Type of Perforations	N/A
Condition of Perforations	

Weld / Coupler Inspection

Footage to first coupler	5' to tee
Condition of first coupler	Good
Condition of couplers	Good
Condition of welds	Good

Other Items (Are these items present?)

Air Lines	
Condensate Lines	
Pump	
Elbows	

Comments: Tritubing and pump are stuck in tis well. Could only go 31'.

Monitoring
Control and Compliance, Inc.

Site: Green Valley
Well: 43R Remote Latera
Date: 11/5/2014
Technician: Glen Tackett/Doug Ow

Well Physical Description

Wellhead Type	
Wellhead Size	
Well Construction Material	HDPE
Well Diameter	6"
Stickup Height	4'

Measurements

	From top of Casing* (Feet)
Depth to Water	N/A
Depth to Perforations	N/A
Depth to Pinch	N/A
Depth to Bottom	133'

* As measured with the camera cable

Perforation Inspection

Type of Perforations	N/A
Condition of Perforations	

Weld / Coupler Inspection

Footage to first coupler	6' to 90
Condition of first coupler	Good
Condition of couplers	Good
Condition of welds	Good

Other Items (Are these items present?)

Air Lines	
Condensate Lines	
Pump	
Elbows	

Comments: Went 133' and found no liquid or debris.

Monitoring
Control and Compliance, Inc.

Site: Green Valley
Well: 44 R
Date: 11/5/2014
Technician: Glen Tackett/Doug Owens

Well Physical Description

Wellhead Type	
Wellhead Size	
Well Construction Material	HDPE
Well Diameter	6"
Stickup Height	4'

Measurements

	From top of Casing* (Feet)
Depth to Water	20'
Depth to Perforations	N/A
Depth to Pinch	25'
Depth to Bottom	N/A

* As measured with the camera cable

Perforation Inspection

Type of Perforations	N/A
Condition of Perforations	

Weld / Coupler Inspection

Footage to first coupler	7'
Condition of first coupler	Good
Condition of couplers	Good
Condition of welds	Good

Other Items (Are these items present?)

Air Lines	
Condensate Lines	
Pump	
Elbows	

Comments:

Monitoring Control and Compliance, Inc.

Site: Green Valley
Well: 46R2
Date: 11/5/2014
Technician: Glen Tackett/Doug Owens

Well Physical Description

Wellhead Type	
Wellhead Size	
Well Construction Material	HDPE
Well Diameter	8"
Stickup Height	4'

Measurements

	From top of Casing* (Feet)
Depth to Water	41'
Depth to Perforations	N/A
Depth to Pinch	47'
Depth to Bottom	N/A

* As measured with the camera cable

Perforation Inspection

Type of Perforations	N/A
Condition of Perforations	

Weld / Coupler Inspection

Footage to first coupler	E.F. at 5'
Condition of first coupler	Good
Condition of couplers	Good
Condition of welds	Good

Other Items (Are these items present?)

Air Lines	
Condensate Lines	
Pump	
Elbows	

Comments: Liquid and debris at 41'.

Monitoring
Control and Compliance, Inc.

Site: Green Valley
Well: 63R
Date: 11/5/2014
Technician: Glen Tackett/Doug Owens

Well Physical Description

Wellhead Type	
Wellhead Size	
Well Construction Material	HDPE
Well Diameter	6"
Stickup Height	4'

Measurements

	From top of Casing (Feet)
Depth to Water	1'
Depth to Perforations	N/A
Depth to Pinch	28'
Depth to Bottom	N/A

* As measured with the camera cable

Perforation Inspection

Type of Perforations	N/A
Condition of Perforations	

Weld / Coupler Inspection

Footage to first coupler	N/A
Condition of first coupler	N/A
Condition of couplers	N/A
Condition of welds	N/A

Other Items (Are these items present?)

Air Lines	
Condensate Lines	
Pump	
Elbows	

Comments: Well is full of foam and liquid.

Monitoring Control and Compliance, Inc.

Site: Green Valley
Well: 63R Remote Lateral
Date: 11/5/2014
Technician: Glen Tackett/Doug Owens

Well Physical Description

Wellhead Type	
Wellhead Size	
Well Construction Material	HDPE
Well Diameter	6"
Stickup Height	4'

Measurements

	From top of Casing* (Feet)
Depth to Water	137'
Depth to Perforations	N/A
Depth to Pinch	137'
Depth to Bottom	N/A

* As measured with the camera cable

Perforation Inspection

Type of Perforations	N/A
Condition of Perforations	

Weld / Coupler Inspection

Footage to first coupler	6' to 90
Condition of first coupler	Good
Condition of couplers	Good
Condition of welds	Good

Other Items (Are these items present?)

Air Lines	
Condensate Lines	
Pump	
Elbows	

Comments: Small obstruction and pinch at 106'. Not enough to cause a restriction.

Monitoring Control and Compliance, Inc.

Site: Green Valley
Well: 65R2
Date: 11/5/2014
Technician: Glen Tackett/Doug Owens

Well Physical Description

Wellhead Type	
Wellhead Size	
Well Construction Material	HDPE
Well Diameter	8"
Stickup Height	4'

Measurements

	From top of Casing* (Feet)
Depth to Water	22'
Depth to Perforations	N/A
Depth to Pinch	37'
Depth to Bottom	N/A

* As measured with the camera cable

Perforation Inspection

Type of Perforations	N/A
Condition of Perforations	

Weld / Coupler Inspection

Footage to first coupler	11'
Condition of first coupler	Good
Condition of couplers	Good
Condition of welds	Good

Other Items (Are these items present?)

Air Lines	
Condensate Lines	
Pump	
Elbows	

Comments:

GREEN VALLEY LANDFILL
Over 58% Methane Table
November 2014

Well ID	CH4 6/9	6/24/2014	7/14/2014	7/28/2014	8/12/2014	8/27/2014	9/10/2014	9/25/2014	10/10/2014	10/23/2014	11/5/2014	11/19/2014	Field Comment	Suggested fix	Estimated cost
GRNV46R2	59.3	60				64.1							Max applied, 7 scfm	well is pinched, wont take a pump	
GRNV50R3	59.2												New well	slowly open valve	
GRNV64R2	58.8	59.2	58	58.5	59		59.3		60.2	59.2	58.8		New well	Pump installed	
GRNV65R2	58.5	59		58.2		58.4				59.3		59.8	Low applied vacuum, 9 scfm	Pump install?	
GRNVL43R									62.4				New remote installed.		
GRNVL47R	61.4	61.4	60.1						61				Pump was removed but cant be re-installed.	New remote	
GRNVL49R	62.3	62.2	60.1	61.1	61.5	61.2	61.1	58.8	60.4	59.9	59.5	58.4	Max applied, 20 scfm	Pump installed	
GRNVL52R	64.6	65.1	63	62.6	62.1	62.8	63.2	62	63.5	61.3	61	63.1	swapped over to 3" FM	swapped over to 3" FM	
GRNVL54R	67.1	58.6					63.2	59.1				58.3	has pump	Additional tuning	
GRNVL59R	65.4	65.2	61.4	62.4	63.2	62.5	63		64	63.1			New well, max applied	Pump installed	
GRNVL60R	62.1	60.8											New well, max applied	Pump installed	
GRNVL63R	63.9	63.4		63	62.9	60.9	60.8					62	max applied	well is pinched, wont take a pump	
GRNV64R2	59.1							58.1					new well	pump installed	
GRNVLHW3		61.2											easily over pulls	Additional tuning	
GRNVLHW4				60.1	58.7							60.3	Additional tuning	Additional tuning	
GRNVLHW5									59.1						
GRNVLHW6	60.7				60.9								Tuned back due to oxygen intrusion	Additional tuning	
GRNVLHW7		59		58.9					59.7	58.5			new well, good flow	Pump installed	
GRNVLHW8	58.1												Brand new well, Tuned back due to oxygen intrusion	Pump installed	
GRNVLPW1	60			60.2	60.2	60.3	59.7	59.2					Brand new well, max applied	Pump installed	
GRNVLPW2	58.7	59.9				58.8				58.5	58.8		Brand new well, max applied good flow	Pump installed	
GRNVLY01				59	59.4	59.7	58.7						Additional tuning		
GRNVLY02												60.3	Additional tuning		
GRNVLY03	60.9	60.5				58.9	60.8	60.1	61.7	62	60.1	59.4	max applied, 18 ft of liquid,	Raise vacuum, Forcemain restricted.	
GRNVLY29		59.9					58.8							Additional tuning	
GRNVLY31		59											Max applied		
GRNVLY55	61.7	62.1	59.4	61	60.4	60.1	61.1	59.2	61.1	61.5	60.6		max applied, has pump	FM restriction	
GRNVLY56	62.6	62.8	60.3	62.1	61.1	60.9	60.8	61	59.7	60.9			max applied, has pump	Raise vacuum, exhaust pump in well	
GRNVLY58	59.1		59.9	59									Has leaned out in the past with oxygen intrusion.	Careful tuning	
GRNVLY61	68.4	72.2	69.4	66	63	66.4	60.1								
GRNVL18R					58.3	59.7	58.2							Additional tuning	
GRNVL38R					59.8							63.2		Additional tuning	
GRNVLY19					58									Additional tuning	
GRNVCO02						60.6	62.8	62.6	62				17 inches applied, 13 scfm		
GRNVLHW1						59.5						61		Additional tuning	
GRNVLY35						58.7							low applied vacuum, 8 scfm		

Total wells 58%	21	19	9	14	15	17	15	9	12	10	6	10
Monitoring points	63	63	63	63	63	63	62	62	62	62	62	62
Percentage	33.33%	30.16%	14.29%	22.22%	23.81%	26.98%	24.19%	14.52%	19.35%	16.13%	9.68%	16.13%
		June		July		August		September		October		November
Month total		25		15		22		16		14		13
		39.68%		23.81%		34.92%		25.81%		22.58%		20.97%

LFG Extraction Well Liquid Levels

Site Name: Green Valley

November 2014

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation at time of Liquid Level Measurement (ft)	TOC to Ground Surface (Measured in Field) (ft)	TOC to Liquid (ft)	TOC to bottom of well or obstruction (ft)	Pump Installed?	TOC to top of Pump (ft)	Pump Cycle Count	Comments
GRNVLY7R	GRNVLY7R	11/4/14	906.86	4.5	75.5	79.9	Y		154957	Cleaned/reinstalled.
GRNVL08R	GRNVL08R	11/4/14	875.32	4	56.5	62.4	Y		69741	Cleaned and reinstalled. Had to replace exhaust valve and pin.
GRNVL13R	GRNVL13R	11/4/14	924.95	4	49	52.9	Y		148807	Cleaned/reinstalled.
GRNV27RR	GRNV27RR	11/4/14	946.6	5.5	59.2	82.5	Y		10731	Pump stuck; could not pull it.
GRNVLY29	GRNVLY29	11/4/14		5	50.4	74.2	Y		11136	Cleaned/reinstalled. Tri-tubing was broken and brittle. Replaced tubing with new & pump is pumping. May
GRNVL32R	GRNVL32R	11/4/14	930.92	5.5	78	82.3	Y		613366	Pump stuck; could not pull, but, it is still pumping.
GRNVL38R	GRNVL38R	11/4/14	928.55	4.5	61	85	Y		24947	Pump stuck; could not pull.
GRNVL52R	GRNVL52R	11/4/14		4	50	75.5	Y		59462	Pump stuck; could not pull it.
GRNVLY55	GRNVLY55	11/4/14	957.57	4.5	50.6	56.7	Y		1968	Cleaned/reinstalled. Liquid level is at or below the pumping level. Also, there is a lot of FM pressure in the
GRNVLY56	GRNVLY56	11/4/14	948.38	3.5	38	51.9	Y		56724	Cleaned/reinstalled. There is a lot of FM pressure in area. Increased regulator pressure from 80 to 110.
GRNVLY57	GRNVLY57	11/4/14	930.53	5	38.7	47.5	Y		10450	Cleaned/reinstalled. There is a lot of FM pressure in area. Increased regulator pressure from 80 to 110.
GRNVLY58	GRNVLY58	11/4/14	910.19	4.5	44.5	50			600300	Cleaned and reinstalled.

Monitoring Control and Compliance, Inc.

January 9, 2014

Mr. Kim Cecil
Green Valley Landfill General Partnership
PO Box 9
Rush, KY 41168

Subject: Monthly LFG Report for December 2014
Green Valley Landfill – Ashland, Kentucky

Dear Mr. Cecil:

Monitoring Control and Compliance, Inc. (MCC) is submitting the following monthly landfill gas system monitoring and information report for the Green Valley Landfill using information collected during the month of December 2014.

In this report you will find the following:

- Plant, flare and blower operation summaries.
- Summary of the monthly wellhead monitoring results including well compliance issues.
- Discussion of O & M activities throughout the month, including compliance related issues and recommendations for improvements.
- Data collected and compiled while performing monthly activities.
- Gas system monitoring data.

If you have any questions or comments, please feel free to contact me at (614) 395-5766 or at paul.flory@landfillgasom.com.

Sincerely,

Monitoring Control and Compliance, Inc.

Paul D. Flory
Regional Manager

CC: William L. (Bill) Chlebowy, P.E.
Dana Oleniacz

DECEMBER 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the December 5, 2014 monitoring event, the gas quality at the blower inlet was 55.2% CH4, 35.2% CO2, 0.9% O2 and 8.7% balance gas. The applied vacuum to the wellfield was -7.26 inches of water and the flow was 670 SCFM.

Final Flare Readings

At the end of the tuning event on December 18, 2014, the gas quality going to the blower inlet was 55.3% CH4, 34.4% CO2, 1.2% O2 and 9.1% balance gas. The applied vacuum to the wellfield was -19.59 inches of water and the flow was 700 SCFM.

The flare did not operate during December 2014. The system has been running on vacuum supplied by the gas plant since November 24th, 2014.

Table 1- 1 Control System Down Time Report

Start time	End Time	Comments
11/24 10:44	1/1	Air Compressor Shutdown, running on bypass from gas plant

SSM forms for the applicable period can be found in Attachment F.

Monthly Wellhead Monitoring Results

There are a total of 60 monitoring points (54 wells, 6 horizontal wells) associated with, and monitored, as part of the monthly monitoring events.

- Two (2) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Fifteen (15) wells exceeded the 58% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Fifty-five (55) wells exceeded the 52% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Eight (8) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Thirteen (13) wells recorded flow below the site's SOP of 5 SCFM see attachment E.

A copy of the **Landfill Gas System Monitoring Data**, to be placed in the Operating Record, can be viewed in Attachment B.

Equipment calibration information for the December 2014 Landfill Gas System Monitoring Data can also be viewed in Attachment C.

Wells found to be operating outside of Republic's standard operating procedures (SOP) during the month of December 2014 are shown in Attachment E.

Table 2-1 (below) indicates wells operating outside of the NSPS operational parameters for more than 15 days during the month of December 2014.

Table 2-1: December 2014 - Wells Operating Outside NSPS Standards for greater than 15 days

Extraction Well No.	Parameter	Comments
GRNV46R2	O2	Operated outside NSPS standards from 10/9/14 through the end of December 2014.
GRNVL63R	O2	Operated outside NSPS standards from 12/5/14 through the end of December 2014.

Collection System Operations and Maintenance

During the month of December, MCC performed multiple tasks in support of the landfill gas collection system:

- No wells were activated during the month of December 2014.
- One well was decommissioned during the month of December 2014:
  - GRNVLY04
- Pump maintenance was completed on the following wells:
  - 60R
  - RS2
  - RS1
  - PW2
  - 49R
  - 21
  - 18R
  - 54R

  These reports can be viewed in Attachment I.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.

Quarterly Surface Emissions Monitoring

The 4th quarter Initials Surface Emission Monitoring was completed on December 8, 2014. Three areas were identified as having surface methane concentrations greater than the surface methane operational standard. On December 18, 2014, the 10-day rechecks were performed. All three locations passed the 10-day recheck. The 30-day recheck was performed on January 7, 2015, with all three areas less than the surface methane operational standard.

Reports can be found under attachment I.

Perimeter Probe and Building Monitoring

The 4th quarter 2014 perimeter probe and on-site structure monitoring was completed on December 8, 2014.

Recommendations

Based on well field readings and along with investigations, MCC recommends Republic consider the following items be addressed:

- The following wells need 3" kanaflex: 30 and 16.
- Wells RS-1 and the Toe Drain have leaking regulators that need replaced.
- The air compressor is in need of its 4,000-hour service. High differential pressure in the oil filter system is causing the unit to run hot. The system will be run in bypass mode until the air compressor is serviced.

This report contains the following appendices':

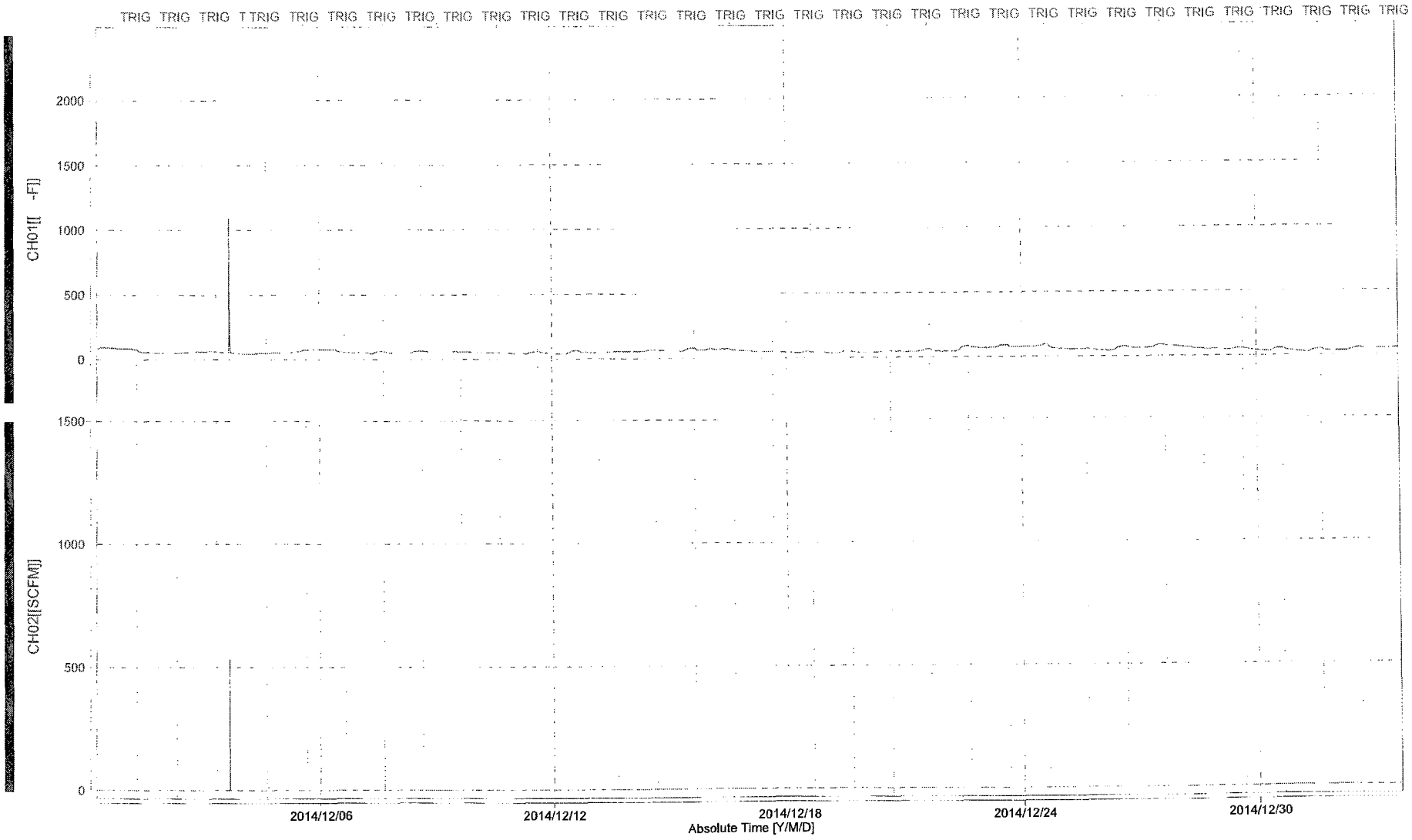
Attachment A – Flare Chart Records
Attachment B – Landfill Gas System Monitoring Data
Attachment C – Gas meter calibration records
Attachment D – O & M Form
Attachment E – Wellfield SOP summary
Attachment F– SSM Forms (if required)
Attachment G – Pump Count Table (if required)
Attachment H – Cover Integrity Inspection (if required)
Attachment I – Additional miscellaneous information
Attachment J – Annual Rolling Data Table

ATTACHMENT A

Flare Chart Records

File Name	: Y3010004.DDS,...,10116485.DDS	Data Count	: 5991
Device Type	: FX100	Sampling Interval	: 480.000 sec
Serial No.	: S5DB05975	Start Time	: 2014/11/30 09:00:00.000
File Message	:	Stop Time	: 2015/01/02 15:40:00.000
Time Correction	: None	Trigger Time	: 2015/01/02 15:40:00.000
Starting Condition	: Restart after Black Out	Trigger No.	: 5990
Dividing Condition	: Auto	Damage Check	: Not Damaged
Meas Ch.	: 5		
Math Ch.	: 4		

Printed Group	: FLARE DATA
Printed Range	: 2014/11/30 09:00:00.000 - 2015/01/02 15:40:00.000
Comment	:



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - December 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
EW-27RR	12/5/2014 11:41	57.5	34.2	0	8.3	-1.31		119	10		-17.26	No Change; No Repair Needed; Good
EW-27RR	12/18/2014 11:37	57.1	35.1	0.1	7.7	-1.4		118	6		-18.69	No Change; No Repair Needed; Good
EW-63R	12/5/2014 7:43	10.6	11.4	16.9	61.1	-1.97	-1.8	50	16	5	-16.88	Slightly Closed; No Repair Needed; Fair
EW-63R	12/5/2014 7:44	10.6	7.4	17.6	64.4	-1.1		46	10		-16.57	2nd Reading; No Repair Needed; Fair
EW-63R	12/18/2014 7:52	10.7	9	17.6	62.7	0.2	-0.26	33	0	0	-20.03	Slightly Open; No Repair Needed; Fair
EW-63R	12/18/2014 7:53	10.8	7.1	18	64.1	-0.19		29	0		-19.77	2nd Reading; No Repair Needed; Fair
GRNV17R2	12/5/2014 9:54	60.5	36.3	0	3.2	-2.37	-2.55	96	19	20	-15.49	Slightly Open; No Repair Needed; Good
GRNV17R2	12/5/2014 9:55	60.3	36.7	0	3	-2.64		97	25		-15.32	2nd Reading; No Repair Needed; Good
GRNV17R2	12/18/2014 9:50	57.7	36.3	0	6	-4		97	40		-17.48	No Change; No Repair Needed; Good
GRNV46R2	12/5/2014 8:49	17.4	15.2	11.1	56.3	-0.01	-0.01	43	4	5	-18.56	No Change; No Repair Needed; Fair
GRNV46R2	12/5/2014 8:50	16.1	11	12.7	60.2	-0.01		42	7		-18.26	2nd Reading; No Repair Needed; Fair
GRNV46R2	12/18/2014 8:46	6.7	16.6	15.7	61	-2.23	-2.24	32	0	0	-20.37	Slightly Closed; No Repair Needed; Fair
GRNV46R2	12/18/2014 8:47	12	8.4	13.9	65.7	-2.64		29	0		-20.8	2nd Reading; No Repair Needed; Fair
GRNV50R3	12/5/2014 8:09	54.7	38.2	0	7.1	-4.99		103	16		-16.18	No Change; No Repair Needed; Good
GRNV50R3	12/18/2014 8:13	56.4	38.7	0.1	4.8	-8.58		103	17		-20.72	No Change; No Repair Needed; Good
GRNV64R2	12/5/2014 7:41	57.3	37.2	0.3	5.2	-16.48		113	36		-16.79	No Change; Pump Maintenance Required; Good; 547258
GRNV64R2	12/18/2014 7:49	57.5	41.4	0	1.1	-19.28		113	43		-19.68	No Change; No Repair Needed; Good; 816335
GRNV65R2	12/5/2014 7:37	9.6	13.5	17.3	59.6	-16.05	-15.57	42	0	0	-15.93	Slightly Closed; No Repair Needed; Fair
GRNV65R2	12/5/2014 7:38	4.7	6.5	19.1	69.7	-14.75		41	4		-16.23	2nd Reading; No Repair Needed; Fair
GRNV65R2	12/18/2014 7:47	57.9	39.3	0	2.8	-0.34		29	7		-19.77	No Change; No Repair Needed; Good
GRNVL08R	12/5/2014 10:01	57.3	35.2	0	7.5	-1.64		87	8		-15.54	No Change; No Repair Needed; Good; 70262
GRNVL08R	12/18/2014 9:56	56.7	37.1	0	6.2	-2.26		87	6		-16.92	No Change; No Repair Needed; Good; 70471
GRNVL10R	12/5/2014 11:37	56.3	34.7	0.5	8.5	-1.38		118	17		-15.84	No Change; No Repair Needed; Good; 608
GRNVL10R	12/18/2014 11:32	57.7	35.3	0.6	6.4	-1.19		124	0		-17.91	No Change; No Repair Needed; Good; 608
GRNVL13R	12/5/2014 9:24	56.9	35.5	0.2	7.4	-10.27		110	29		-15.49	No Change; No Repair Needed; Good; 151629
GRNVL13R	12/18/2014 9:21	57.1	34.1	0.2	8.6	-11.35		109	27		-16.4	No Change; No Repair Needed; Good; 153277
GRNVL18R	12/5/2014 10:14	57.6	33.1	0	9.3	-6.51		96	20		-16.49	No Change; No Repair Needed; Good; 295
GRNVL18R	12/18/2014 10:08	57.3	36.3	0	6.4	-7.89		95	34		-17.35	No Change; No Repair Needed; Good; 295

Green Valley Landfill
Wellfield Monitoring Data - December 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL26R	12/5/2014 9:12	56.1	36.8	0	7.1	-7.16		97	13		-15.88	No Change; No Repair Needed; Good; 156954
GRNVL26R	12/18/2014 9:10	55.9	36.5	0	7.6	-10.31		98	25		-19.51	No Change; No Repair Needed; Good; 156954
GRNVL32R	12/5/2014 10:17	56.4	36.1	0.4	7.1	-14.75		126	24		-16.57	No Change; No Repair Needed; Good; 725049
GRNVL32R	12/18/2014 10:12	57.3	36.6	0.3	5.8	-16.74		125	20		-18.08	No Change; No Repair Needed; Good; 844703
GRNVL38R	12/5/2014 11:39	51.8	34.2	0	14	-2.58		129	30		-15.71	No Change; No Repair Needed; Good
GRNVL38R	12/18/2014 11:34	55.7	34	0	10.3	-3.04		129	0		-15.02	No Change; No Repair Needed; Good
GRNVL41R	12/5/2014 8:57	55.6	34.9	0.2	9.3	-9.97		54	12		-18.95	No Change; No Repair Needed; Good
GRNVL41R	12/18/2014 8:55	55.3	33.2	0.2	11.3	-11.22		51	10		-19.77	No Change; No Repair Needed; Good
GRNVL43R	12/5/2014 8:53	54	33.7	1.5	10.8	-16.7		43	14		-18.26	No Change; No Repair Needed; Good
GRNVL43R	12/18/2014 8:50	57.8	32.9	0.8	8.5	-15.49		30	0		-19.94	No Change; No Repair Needed; Fair
GRNVL44R	12/5/2014 8:55	42	35.4	3.1	19.5	-0.2		44	0		-18.3	No Change; No Repair Needed; Fair
GRNVL44R	12/18/2014 8:52	23.5	22.2	9.9	44.4	-1.66	-1.62	30	0	0	-20.03	Slightly Closed; No Repair Needed; Fair
GRNVL44R	12/18/2014 8:53	34	27.9	4.7	33.4	-3.26		28	0		-19.42	2nd Reading; No Repair Needed; Fair; meter putting vacuum on well
GRNVL47R	12/5/2014 8:34	57.2	36.1	0.1	6.6	-12.68		49	0		-16.1	No Change; No Repair Needed; Fair; remote restricted
GRNVL47R	12/18/2014 8:38	58.4	36.8	0.1	4.7	-15.62	-18.29	37	0	0	-19.77	Slightly Open; No Repair Needed; Good; remote restricted
GRNVL47R	12/18/2014 8:39	58.1	37	0.1	4.8	-19.76		31	0		-19.46	2nd Reading; No Repair Needed; Good; remote restricted
GRNVL49R	12/5/2014 8:36	60.2	37.4	0	2.4	-15.96		101	0		-15.88	No Change; No Repair Needed; Fair; 4813; force main restricted
GRNVL49R	12/18/2014 8:41	58.3	37	0	4.7	-19.97		99	14		-20.03	No Change; No Repair Needed; Good; 5411; force main restricted
GRNVL52R	12/5/2014 8:26	59.5	34.3	0	6.2	-16.13		117	12		-16.18	No Change; No Repair Needed; Good
GRNVL52R	12/18/2014 8:30	57.2	34	0	8.8	-20.06		116	17		-19.94	No Change; No Repair Needed; Good
GRNVL54R	12/5/2014 8:23	57.5	29.7	0.8	12	-9.62		116	36		-16.23	No Change; No Repair Needed; Good; 472801
GRNVL54R	12/18/2014 8:28	57.1	30.8	0.6	11.5	-9.62		121	35		-20.37	No Change; No Repair Needed; Good
GRNVL59R	12/5/2014 8:12	56.9	32.6	0.1	10.4	-14.15		107	26		-16.23	No Change; Pump Maintenance Required; Good; 110762
GRNVL59R	12/18/2014 8:15	57.9	39.4	0.5	2.2	-17.77		100	5		-19.68	No Change; Pump Maintenance Required; Good; 116803
GRNVL60R	12/5/2014 8:14	56.9	35.4	0	7.7	-4.21		59	10		-16.06	No Change; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - December 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL60R	12/18/2014 8:17	57.5	34.7	0	7.8	-5.13	-5.52	48	9	6	-20.46	Slightly Open; No Repair Needed; Good
GRNVL60R	12/18/2014 8:18	57.5	36.1	0	6.4	-7.94		50	11		-20.37	2nd Reading; No Repair Needed; Good
GRNVLHW1	12/5/2014 9:22	39.9	30.3	4.9	24.9	-0.03		59	9		-15.24	No Change; No Repair Needed; Good
GRNVLHW1	12/18/2014 9:18	40.6	31.8	3.4	24.2	-0.03		51	10		-18.86	No Change; No Repair Needed; Fair; valve barely cracked
GRNVLHW3	12/5/2014 8:00	60.4	39.6	0	0	1.07	-0.04	49	0	12	-16.23	Slightly Open; No Repair Needed; Good
GRNVLHW3	12/5/2014 8:01	62.6	37.2	0	0.2	-0.42		51	32		-17.09	2nd Reading; No Repair Needed; Good
GRNVLHW3	12/18/2014 8:06	50.7	35.7	2.4	11.2	-1.18		43	6		-21.1	No Change; No Repair Needed; Good
GRNVLHW4	12/5/2014 7:52	54.6	38.9	0.3	6.2	-1.31		50	11		-16.06	No Change; No Repair Needed; Good
GRNVLHW4	12/18/2014 7:59	50.1	33.7	3.1	13.1	-2.15		42	10		-20.33	No Change; No Repair Needed; Good
GRNVLHW5	12/5/2014 7:46	54.9	34.7	1	9.4	-0.16		52	15		-16.14	No Change; No Repair Needed; Good
GRNVLHW5	12/18/2014 7:55	55.1	37.2	0.7	7	-0.03		47	17		-19.72	No Change; No Repair Needed; Good
GRNVLHW6	12/5/2014 8:16	50.6	29.8	2.7	16.9	-0.05		57	12		-16.62	No Change; No Repair Needed; Good
GRNVLHW6	12/18/2014 8:20	42.2	31	5.2	21.6	-1.64	-1.59	49	6	6	-20.37	Slightly Closed; No Repair Needed; Good
GRNVLHW6	12/18/2014 8:21	43	29.3	5.3	22.4	-1.3		49	9		-20.54	2nd Reading; No Repair Needed; Good
GRNVLHW6	12/18/2014 11:52	60.3	36.7	0	3	0.46	-0.05	50	0	0	-19.77	Slightly Open; No Repair Needed; Good
GRNVLHW6	12/18/2014 11:53	60.9	37.1	0	2	-0.88		54	0		-19.55	2nd Reading; No Repair Needed; Good
GRNVLHW7	12/5/2014 7:58	57.6	41	0	1.4	-0.06		78	33		-15.93	No Change; No Repair Needed; Good
GRNVLHW7	12/18/2014 8:03	55.5	38.6	0	5.9	-0.2		74	29		-20.54	No Change; No Repair Needed; Good
GRNVLHW8	12/5/2014 7:49	57.5	38.5	0.2	3.8	0.08	-0.09	83	32	37	-16.23	Slightly Open; No Repair Needed; Good
GRNVLHW8	12/5/2014 7:50	57.2	38.9	0	3.9	-0.1		85	26		-17.44	2nd Reading; No Repair Needed; Good
GRNVLHW8	12/18/2014 7:57	48.6	36.4	2.1	12.9	-0.18		81	22		-22.44	No Change; No Repair Needed; Good
GRNVLPW1	12/5/2014 8:04	55.3	36.6	0.5	7.6	-12.21		58	27		-16.62	No Change; No Repair Needed; Good; 13506
GRNVLPW2	12/5/2014 7:55	56	38.3	0	5.7	-5.91	-7.72	104	48	46	-14.89	Slightly Open; No Repair Needed; Good
GRNVLPW2	12/5/2014 7:56	57.5	40.5	0	2	-8.2		104	48		-15.11	2nd Reading; No Repair Needed; Good
GRNVLPW2	12/18/2014 8:01	56.4	35.2	0.4	8	-20.36		83	25		-21.1	No Change; No Repair Needed; Good; 20067
GRNVLY01	12/5/2014 11:47	58.9	35.3	0	5.8	-13.24	-13.63	103	17	22	-18	Slightly Open; No Repair Needed; Good
GRNVLY01	12/5/2014 11:48	61.5	36.2	0	2.3	-14.41		104	21		-17.61	2nd Reading; No Repair Needed; Good
GRNVLY01	12/18/2014 11:42	59.1	36.3	0	4.6	-17.08		103	5		-19.34	No Change; No Repair Needed; Good
GRNVLY02	12/5/2014 11:50	60.9	36.4	0	2.7	-1.5	-1.75	100	10	10	-16.23	Slightly Open; No Repair Needed; Good
GRNVLY02	12/5/2014 11:51	60.7	37.8	0	1.5	-2.5		104	11		-17.87	2nd Reading; No Repair Needed; Good
GRNVLY02	12/18/2014 11:45	57.8	36.5	0.1	5.6	-5.48		105	37		-17.57	No Change; No Repair Needed; Good
GRNVLY03	12/5/2014 9:08	62	35.7	0	2.3	-16.35		95	15		-16.83	No Change; No Repair Needed; Good
GRNVLY03	12/18/2014 9:06	61.7	35.9	0	2.4	-18.81		87	18		-19.34	No Change; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - December 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY04	12/5/2014 11:55	0.5	1.5	20.6	77.4	-4.73	-4.73	50	0	0	-16.57	Slightly Closed; No Repair Needed; Fair; valve completely closed; 295052
GRNVLY04	12/5/2014 11:56	0.8	0.9	20.5	77.8	-4.74	-4.74	49	0	0	-16.57	2nd Reading; No Repair Needed; Fair; valve completely closed; decommission reading
GRNVLY12	12/5/2014 9:17	57.7	37	0	5.3	-13.72		92	0		-15.54	No Change; No Repair Needed; Good
GRNVLY12	12/18/2014 9:15	56.7	37.9	0.4	5	-17.04		88	0		-19.34	No Change; No Repair Needed; Good
GRNVLY16	12/5/2014 9:48	56.6	34.9	0	8.5	-15.49		99	37		-15.24	No Change; No Repair Needed; Good
GRNVLY16	12/18/2014 9:44	58.1	35	0	6.9	-16.7		96	10		-16.49	No Change; No Repair Needed; Good
GRNVLY19	12/5/2014 9:33	57.8	35.1	0	7.1	-7.16		93	16		-15.02	No Change; No Repair Needed; Good
GRNVLY19	12/18/2014 9:28	60.8	36.8	0	2.4	-7.94	-8.58	92	17	21	-15.36	Slightly Open; No Repair Needed; Good
GRNVLY19	12/18/2014 9:29	61	37.1	0	1.9	-9.28		93	19		-16.1	2nd Reading; No Repair Needed; Good
GRNVLY20	12/5/2014 9:36	55.6	35.8	0	8.6	-2.59		108	37		-16.14	No Change; No Repair Needed; Good
GRNVLY20	12/18/2014 9:31	56.1	34.5	0	9.4	-3.77		107	54		-16.44	No Change; No Repair Needed; Good
GRNVLY21	12/5/2014 9:39	57.6	31.1	0.2	11.1	-14.5		101	35		-15.24	No Change; No Repair Needed; Good; 70
GRNVLY21	12/18/2014 9:34	57.7	35.9	0	6.4	-15.83		101	38		-16.27	No Change; No Repair Needed; Good; 70
GRNVLY22	12/5/2014 9:42	57.6	35.5	0	6.9	-8.58		80	22		-16.06	No Change; No Repair Needed; Good
GRNVLY22	12/18/2014 9:38	58	34.4	0	7.6	-9.97	-10.35	79	18	27	-16.57	Slightly Open; No Repair Needed; Good
GRNVLY22	12/18/2014 9:39	58.4	36.1	0	5.5	-10.66		80	26		-16.44	2nd Reading; No Repair Needed; Good
GRNVLY23	12/5/2014 9:44	57.8	35.5	0.4	6.3	-3.28		78	10		-15.49	No Change; No Repair Needed; Good;
GRNVLY23	12/18/2014 9:41	57.8	36.2	0.5	5.5	-4.84		78	22		-16.57	No Change; No Repair Needed; Good;
GRNVLY24	12/5/2014 9:09	57.6	36.4	1.3	4.7	-1.11		49	7		-16.66	No Change; No Repair Needed; Good
GRNVLY24	12/18/2014 9:08	57.1	32.6	0.8	9.5	-2.21		44	19		-19.46	No Change; No Repair Needed; Good
GRNVLY25	12/5/2014 11:44	57.5	35.8	0.1	6.6	-7.2		102	10		-17.65	No Change; No Repair Needed; Good; 200030
GRNVLY25	12/18/2014 11:40	56.5	36.1	0.1	7.3	-8.24		103	40		-19.38	No Change; No Repair Needed; Good; 201803
GRNVLY28	12/5/2014 9:15	55.7	37.1	0.2	7	-10.61		104	24		-15.84	No Change; No Repair Needed; Good; 83849
GRNVLY28	12/18/2014 9:13	57.8	36.9	0.1	5.2	-12.47		103	27		-19.03	No Change; No Repair Needed; Good; 85378
GRNVLY29	12/5/2014 10:19	56.7	35.8	0	7.5	-0.29		89	6		-15.93	No Change; No Repair Needed; Good; 117974
GRNVLY29	12/18/2014 10:14	54.9	35.7	0.8	8.6	-0.65		76	7		-18.13	No Change; No Repair Needed; Good; 120186
GRNVLY30	12/5/2014 9:19	60.8	36.6	0	2.6	-0.81	-0.86	69	4	14	-13.81	Slightly Open; No Repair Needed; Good
GRNVLY30	12/5/2014 9:20	61	37.3	0	1.7	-1.02		75	37		-15.49	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Wellfield Monitoring Data - December 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY30	12/18/2014 9:16	57.7	37.1	0.1	5.1	-2.26		81	19		-17.09	No Change; No Repair Needed; Good
GRNVLY31	12/5/2014 9:27	57.6	35.9	0	6.5	-16.01		90	11		-15.88	No Change; No Repair Needed; Good
GRNVLY31	12/18/2014 9:23	57.5	35.3	0	7.2	-18.25		98	13		-18.43	No Change; No Repair Needed; Good
GRNVLY33	12/5/2014 10:10	44.4	31.9	2.1	21.6	-1.32	-1.27	116	8	7	-15.93	Slightly Closed; No Repair Needed; Fair
GRNVLY33	12/5/2014 10:11	44.4	30.6	2.1	22.9	-1.23		113	7		-15.49	2nd Reading; No Repair Needed; Fair
GRNVLY33	12/18/2014 10:05	38.3	31.4	3.4	26.9	-2		89	0		-17.61	No Change; No Repair Needed; Fair; valve barely cracked
GRNVLY34	12/5/2014 9:30	57.1	35.9	0.2	6.8	-5.78		103	20		-15.58	No Change; No Repair Needed; Good
GRNVLY34	12/18/2014 9:25	57.7	36.4	0	5.9	-6.86		103	30		-18.86	No Change; No Repair Needed; Good
GRNVLY35	12/5/2014 10:06	57.8	34.4	0	7.8	-2.14	-2.16	135	12	12	-15.24	No Change; No Repair Needed; Good; 19562
GRNVLY35	12/5/2014 10:07	57.1	36	0	6.9	-2.17		135	34		-15.54	2nd Reading; No Repair Needed; Good
GRNVLY35	12/5/2014 10:28	57.5	37.1	0	5.4	-2.16	-2.04	136	9	8	-15.84	Slightly Closed; No Repair Needed; Good
GRNVLY35	12/5/2014 10:30	58.2	37.3	0	4.5	-1.45		130	6		-15.49	2nd Reading; No Repair Needed; Good
GRNVLY35	12/18/2014 10:02	50.6	34.8	0.6	14	-1.45		95	4		-17.61	No Change; No Repair Needed; Good; 19652
GRNVLY36	12/5/2014 9:58	56.9	34.4	0	8.7	-14.11		125	41		-15.49	No Change; No Repair Needed; Good
GRNVLY36	12/18/2014 9:53	57.9	36.3	0	5.8	-15.14		124	33		-16.23	No Change; No Repair Needed; Good
GRNVLY37	12/5/2014 9:51	56.5	35.2	0	8.3	-3.84		83	11		-15.24	No Change; No Repair Needed; Good
GRNVLY37	12/18/2014 9:47	56.9	35.9	0	7.2	-5.18		82	14		-17.22	No Change; No Repair Needed; Good
GRNVLY55	12/5/2014 8:59	57.8	37.5	0	4.7	-18.21		108	28		-18.3	No Change; No Repair Needed; Good; 2052
GRNVLY55	12/18/2014 8:57	57.3	37.2	0	5.5	-20.32		107	26		-20.33	No Change; No Repair Needed; Good; 2053
GRNVLY56	12/5/2014 8:40	56.8	37.1	0	6.1	-16.01		83	32		-18.3	No Change; No Repair Needed; Good
GRNVLY56	12/18/2014 8:43	57.7	37.3	0	5	-17.9		75	8		-19.46	No Change; No Repair Needed; Good; 59805
GRNVLY57	12/5/2014 8:31	57.6	35.6	0.1	6.7	-7.51		88	10		-16.23	No Change; No Repair Needed; Good; 11491
GRNVLY57	12/18/2014 8:36	57.8	36.6	0	5.6	-10.66		87	14		-21.19	No Change; No Repair Needed; Good; 11721
GRNVLY58	12/5/2014 8:29	55	33.4	0.8	10.8	-5.48		102	24		-16.23	No Change; No Repair Needed; Good; 303
GRNVLY58	12/18/2014 8:33	57	34.7	0.8	7.5	-7.2		101	20		-19.59	No Change; No Repair Needed; Good; 303
GRNVLY61	12/5/2014 8:20	57.5	32.3	0.5	9.7	-16.74		56	7		-16.88	No Change; No Repair Needed; Good
GRNVLY61	12/18/2014 8:25	63.3	25.2	0.3	11.2	-20.41		46	9		-20.37	No Change; Pump Maintenance Required; Good

Green Valley Landfill
Wellfield Monitoring Data - December 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY62	12/5/2014 8:18	56.4	34.7	0.5	8.4	-16.78		48	9		-16.57	No Change; No Repair Needed; Good
GRNVLY62	12/18/2014 8:23	51.2	33.1	2.7	13	-19.76		31	12		-19.68	No Change; Pump Maintenance Required; Good
GRNVLY7R	12/5/2014 10:03	51.9	33.7	0.2	14.2	-6.47		72	6		-14.07	No Change; No Repair Needed; Good; 181281
GRNVLY7R	12/18/2014 9:59	53.3	35.8	0.8	10.1	-7.59		66	4		-15.71	No Change; No Repair Needed; Good; 193730
GRNVLYP1	12/8/2014 8:42	0	7.9	9.5	82.6	0						No Change; No Repair Needed; Good
GRNVLYP2	12/8/2014 8:47	0	4.7	19.9	75.4	0						No Change; No Repair Needed; Good
GRNVLYP3	12/8/2014 8:53	0	1.4	20.3	78.3	0						No Change; No Repair Needed; Good
GRNVLYP4	12/8/2014 9:01	0	0.1	21.5	78.4	0						No Change; No Repair Needed; Good
GRNVBOT2	12/5/2014 10:43											Manually entered; NIU
GRNVBOT2	12/5/2014 10:43											Manually entered; NIU
GRNVCO02	12/5/2014 9:03	57.3	32.7	0.2	9.8	-17.56		44	6		-18.69	No Change; No Repair Needed; Good
GRNVCO02	12/18/2014 9:01	57.8	30.4	0.4	11.4	-19.28		33	10		-20.11	No Change; No Repair Needed; Good
GRNVLBIN	12/5/2014 7:16	55.2	35.2	0.9	8.7	-16.82	-16.82	50	670	670	0	No Change; No Repair Needed; Good
GRNVLBIN	12/5/2014 12:56	55	34.8	0.9	9.3	-17.95	-18.21	55	700	700	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	12/18/2014 7:31	55.6	33.7	1.2	9.5	-21.05	-20.66	43	700	700	0	No Change; No Repair Needed; Good
GRNVLBIN	12/18/2014 12:12	55.3	34.4	1.2	9.1	-19.59	-19.59	49	700	700	0	No Change; No Repair Needed; Good
GRNVLBOT	12/5/2014 7:18	55.8	34.8	0.8	8.6	-17.04	-16.91	59	670	670	0	No Change; No Repair Needed; Good
GRNVLBOT	12/18/2014 7:32	55.1	34.2	1.1	9.6	-21.44	-21.44	56	700	700	0.04	No Change; No Repair Needed; Good
GRNVLBOT	12/18/2014 12:14	55.5	34.4	1	9.1	-21.01	-20.97	57	700	700	0	No Change; No Repair Needed; Good
Flare 1	12/5/2014 10:42											Manually entered; NIU
Plant 1	12/5/2014 12:58	55.5	35.1	0.7	8.7	-18.64	-18.64	60	700	700	0	GHG Reading; No Repair Needed; Good; 1009680 scf

Total Number of Wells	60
Total Number of Well Readings	60
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	8
Number of Wells With Methane > 52%	55
Number of Wells With Methane > 58%	15
Number of Wells With Oxygen > 1%	10
Number of Wells With Temperature > 120°F	5
Number of Wells With Flow < 5 SCFM	13

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/5/14
Meter Time:	7:13 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2051	0	-0.03
Methane	000000EE1968	49.88	49.25
Oxygen	000000EE1968	0	0.06
Oxygen	000000EE2051	4	3.83
CO2	000000EE2051	0	0.01
CO2	000000EE1968	35	35.07
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	0
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.02

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/5/14
Meter Time:	11:30 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2051	0	0.02
Methane	000000EE1968	49.88	50.27
Oxygen	000000EE1968	0	-0.04
Oxygen	000000EE2051	4	4.06
CO2	000000EE2051	0	-0.05
CO2	000000EE1968	35	34.89
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/5/14
Meter Time:	12:44 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2051	0	0
Methane	000000EE1968	49.88	49.87
Oxygen	000000EE1968	0	0.02
Oxygen	000000EE2051	4	4.03
CO2	000000EE2051	0	-0.03
CO2	000000EE1968	35	34.86
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/8/14
Meter Time:	8:30 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2051	0	-0.02
Methane		15	14.92
Oxygen	000000EE1968	0	0.18
Oxygen		20.9	19.38
CO2	000000EE2051	0	0.01
CO2		15	14.97
Available (high)	NA	0	-0.13
Applied (low)	NA	0	-0.03
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/18/14
Meter Time:	7:27 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2058	0	-0.02
Methane	000000EE1968	49.88	51.51
Oxygen	000000EE1968	0	0.03
Oxygen	000000EE2058	4	3.88
CO2	000000EE2058	0	0.02
CO2	000000EE1968	35	35.8
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/18/14
Meter Time:	11:24 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2058	0	0.02
Methane	000000EE1968	49.88	51.55
Oxygen	000000EE1968	0	-0.06
Oxygen	000000EE2058	4	3.93
CO2	000000EE2058	0	0.03
CO2	000000EE1968	35	35.83
Available (high)	NA	0	-0.09
Applied (low)	NA	0	0.08
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	-0.1
Differential (high)	NA	0	-0.09

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/18/14
Meter Time:	12:09 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2058	0	0.02
Methane	000000EE1968	49.88	51.61
Oxygen	000000EE1968	0	-0.08
Oxygen	000000EE2058	4	3.98
CO2	000000EE2058	0	0.03
CO2	000000EE1968	35	35.96
Available (high)	NA	0	-0.09
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	0
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.01

ATTACHMENT D

O & M Report

Monitoring Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: Zack Ankney

Date: 12/5/2014

Flare Station / Skid Components

Item	Yes	No	Comments
Flare Operating in Automatic Mode	☐	☑	
Blower / flare operating properly	☐	☑	
Autodialer functioning	☐	☑	
VFD vacuum setpoint	In-W.C.		-18.64
Motor operating properly	☑	☐	
Plant flow rate	SCFM		700 Flare Flow Rate: N/A
Bearings properly lubricated	☑	☐	
Any Unusual Noises at B/F Skid	☐	☑	
Belts / drive correct	☑	☐	
Blower casing drained	☑	☐	
Valves properly positioned	☑	☐	
Chart recorder functioning	☑	☐	
Actuators maintained	☑	☐	
KOP Demister differential pressure	In. W.C		N/A
Flame arrestor differential pressure	In. W.C		N/A
Flame arrestor inlet pressure	In. W.C		N/A
Nitrogen Cylinder Pressure	PSI		N/A
Propane Cylinder Pressure	%		54

Air Compressor Components

Item	Yes	No	Comments
Unit Operating in Automatic Mode	☑	☑	Hours: 12585; Temp: 200 F - Service Due
Compressor Tank Drained	☑	☐	
Filters Clean	☑	☑	
Compressor Tank Pressure	PSI		102
Compressor Properly Lubricated	☑	☐	
Compressor Belts Worn	☐	☑	
Belts at Proper Tension	☑	☐	

Sumps, Pumps, and Valves

Check sumps and pumps for proper operation. Inspect applicable electrical and pneumatic connections. Check that condensate level in sump is normal. Listen for air leaks and inspect for condensate leaks at pump discharge. Ensure valves are in the proper position. Manually jog or cycle pump on/off as applicable.

Location/Name	Comments
CK 1-4, DL 7&8, Toe Drain and CK-H	All cycling properly

Additional Comments

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
December 2014

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	12/5/2014 9:54	60.5	GRNVLY03	12/5/2014 9:08	62
GRNVL47R	12/18/2014 8:38	58.4	GRNVLY16	12/18/2014 9:44	58.1
GRNVL49R	12/5/2014 8:36	60.2	GRNVLY19	12/18/2014 9:29	61
GRNVL52R	12/5/2014 8:26	59.5	GRNVLY22	12/18/2014 9:39	58.4
GRNVLHW3	12/5/2014 8:01	62.6	GRNVLY30	12/5/2014 9:20	61
GRNVLHW6	12/18/2014 11:53	60.9	GRNVLY35	12/5/2014 10:30	58.2
GRNVLY01	12/5/2014 11:48	61.5	GRNVLY61	12/18/2014 8:25	63.3
GRNVLY02	12/5/2014 11:50	60.9			

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	12/5/2014 9:54	60.5	GRNVLY01	12/5/2014 11:48	61.5
GRNV27RR	12/5/2014 11:41	57.5	GRNVLY02	12/5/2014 11:50	60.9
GRNV50R3	12/18/2014 8:13	56.4	GRNVLY03	12/5/2014 9:08	62
GRNV64R2	12/18/2014 7:49	57.5	GRNVLY12	12/5/2014 9:17	57.7
GRNV65R2	12/18/2014 7:47	57.9	GRNVLY16	12/18/2014 9:44	58.1
GRNVL08R	12/5/2014 10:01	57.3	GRNVLY19	12/18/2014 9:29	61
GRNVL10R	12/18/2014 11:32	57.7	GRNVLY20	12/18/2014 9:31	56.1
GRNVL13R	12/18/2014 9:21	57.1	GRNVLY21	12/18/2014 9:34	57.7
GRNVL18R	12/5/2014 10:14	57.6	GRNVLY22	12/18/2014 9:39	58.4
GRNVL26R	12/5/2014 9:12	56.1	GRNVLY23	12/5/2014 9:44	57.8
GRNVL32R	12/18/2014 10:12	57.3	GRNVLY24	12/5/2014 9:09	57.6
GRNVL38R	12/18/2014 11:34	55.7	GRNVLY25	12/5/2014 11:44	57.5
GRNVL41R	12/5/2014 8:57	55.6	GRNVLY28	12/18/2014 9:13	57.8
GRNVL43R	12/18/2014 8:50	57.8	GRNVLY29	12/5/2014 10:19	56.7
GRNVL47R	12/18/2014 8:38	58.4	GRNVLY30	12/5/2014 9:20	61
GRNVL49R	12/5/2014 8:36	60.2	GRNVLY31	12/5/2014 9:27	57.6
GRNVL52R	12/5/2014 8:26	59.5	GRNVLY34	12/18/2014 9:25	57.7
GRNVL54R	12/5/2014 8:23	57.5	GRNVLY35	12/5/2014 10:30	58.2
GRNVL59R	12/18/2014 8:15	57.9	GRNVLY36	12/18/2014 9:53	57.9
GRNVL60R	12/18/2014 8:17	57.5	GRNVLY37	12/18/2014 9:47	56.9
GRNVLHW3	12/5/2014 8:01	62.6	GRNVLY55	12/5/2014 8:59	57.8
GRNVLHW4	12/5/2014 7:52	54.6	GRNVLY56	12/18/2014 8:43	57.7
GRNVLHW5	12/18/2014 7:55	55.1	GRNVLY57	12/18/2014 8:36	57.8
GRNVLHW6	12/18/2014 11:53	60.9	GRNVLY58	12/18/2014 8:33	57
GRNVLHW7	12/5/2014 7:58	57.6	GRNVLY61	12/18/2014 8:25	63.3
GRNVLHW8	12/5/2014 7:49	57.5	GRNVLY62	12/5/2014 8:18	56.4
GRNVLPW1	12/5/2014 8:04	55.3	GRNVLY7R	12/18/2014 9:59	53.3
GRNVLPW2	12/5/2014 7:56	57.5			

Green Valley Landfill
Wellfield SOP Summary
December 2014

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV46R2	12/18/2014 8:46	6.7	GRNVLHW1	12/5/2014 9:22	39.9
GRNV65R2	12/5/2014 7:38	4.7	GRNVLHW6	12/18/2014 8:20	42.2
GRNVL44R	12/18/2014 8:52	23.5	GRNVLY04	12/5/2014 11:55	0.5
GRNVL63R	12/5/2014 7:43	10.6	GRNVLY33	12/18/2014 10:05	38.3

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV46R2	12/18/2014 8:47	0	GRNVLHW6	12/18/2014 11:53	0
GRNVL10R	12/18/2014 11:32	0	GRNVLY04	12/5/2014 11:56	0
GRNVL38R	12/18/2014 11:34	0	GRNVLY12	12/18/2014 9:15	0
GRNVL43R	12/18/2014 8:50	0	GRNVLY33	12/18/2014 10:05	0
GRNVL44R	12/18/2014 8:53	0	GRNVLY35	12/18/2014 10:02	4.76
GRNVL47R	12/18/2014 8:39	0	GRNVLY7R	12/18/2014 9:59	4.82
GRNVL63R	12/18/2014 7:53	0			

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV46R2	12/18/2014 8:47	13.9	GRNVLHW4	12/18/2014 7:59	3.1
GRNVL44R	12/18/2014 8:53	4.7	GRNVLHW8	12/18/2014 7:57	2.1
GRNVL63R	12/18/2014 7:53	18	GRNVLY04	12/5/2014 11:56	20.5
GRNVLHW1	12/18/2014 9:18	3.4	GRNVLY33	12/18/2014 10:05	3.4
GRNVLHW3	12/18/2014 8:06	2.4	GRNVLY62	12/18/2014 8:23	2.7

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNVL10R	12/18/2014 11:32	124.5	GRNVL54R	12/18/2014 8:28	121.3
GRNVL32R	12/18/2014 10:12	125.4	GRNVLY36	12/18/2014 9:53	124.9
GRNVL38R	12/18/2014 11:34	129			

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVLY04

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup			0.00		☐	☐
Shutdown	12/5/14 11:55	12/5/14 11:58	0.05	6	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 12/05/14 Signature: *Zachary Ankney*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☐	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☐
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☐	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☐
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☐	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☐	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☐
8.	Start malfunction diagnosis.	☐	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☐	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☐
11.	Fix the malfunction.	☐	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☐	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☐	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☐	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☐

NOTES: Abandonment of gas well due to gas quality.

For Start-ups and Shutdowns

Note: **Green Valley** **GRNVLY04** **12/5/14**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☑ **6 Gas System Construction/Expansion**
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☐ 29 Continuous Monitoring System Malfunction - Flow Monitor
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup			0.00		☐	☐
Shutdown			0.00		☐	☐
Malfunction	11/24/14 10:44	1/1/15 0:00	901.27	99	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: John Pontious, PM Services b. Contact site representative with information recorded in #10.a.	☑	☐
11.	Fix the malfunction.	☐	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☐	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☐	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☐	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☐

NOTES: High discharge pressure and temperature on air compressor. Auto valve closed.

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☑ **10 Automatic shutdown of control device by designed protective systems**
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☐ 29 Continuous Monitoring System Malfunction - Flow Monitor
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/15/14 2:12	11/15/14 2:13	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 1:56	11/15/14 2:12	0.27	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/15/14 3:08	11/15/14 3:09	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 2:20	11/15/14 3:08	0.80	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/15/14 4:20	11/15/14 4:21	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 3:16	11/15/14 4:20	1.07	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/15/14 7:00	11/15/14 7:01	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 4:36	11/15/14 7:00	2.40	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

	Code	Event
☐	10	Automatic shutdown of control device by designed protective systems
☐	11	Auto dialer Callout
☐	12	Shutdown alarms that result in the device not shutting down
☐	13	Unalarmed shutdown
☐	14	Control Device Smoking
☐	15	Inspection identified malfunction
☐	16	Loss of power - utility down
☐	17	Loss of power - unknown
☐	18	Damaged Well, Header, or Lateral Piping
☐	19	Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
☐	20	Condensate knock-out problems
☐	21	Collection piping blockages
☐	22	Problems due to settlement
☐	23	Loss of phase
☐	24	Blower overload condition
☐	25	Blower bearing failure
☐	26	Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
☐	27	Continuous Monitoring System Malfunction - Thermocouple
☐	28	Continuous Monitoring System Malfunction - UV Scanner
☑	**29**	**Continuous Monitoring System Malfunction - Flow Monitor**
☐	30	Continuous Monitoring System Malfunction - Flow Recorder
☐	31	Continuous Monitoring System Malfunction - Temperature Recorder
☐	32	Act of God (i.e., lightening, wind, etc.)
☐	99	Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/15/14 8:36	11/15/14 8:37	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 7:08	11/15/14 8:36	1.47	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/15/14 9:48	11/15/14 9:49	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 8:44	11/15/14 9:48	1.07	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/15/14 10:36	11/15/14 10:37	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 9:56	11/15/14 10:36	0.67	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/15/14 23:24	11/15/14 23:25	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 10:44	11/15/14 23:24	12.67	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/16/14 1:00	11/16/14 1:01	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/15/14 23:32	11/16/14 1:00	1.47	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/16/14 4:04	11/16/14 4:05	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/16/14 1:08	11/16/14 4:04	2.93	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/16/14 20:20	11/16/14 20:21	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/16/14 4:20	11/16/14 20:20	16.00	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/17/14 8:20	11/17/14 8:21	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/16/14 20:36	11/17/14 8:20	11.73	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/18/14 9:40	11/18/14 9:41	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/18/14 9:16	11/18/14 9:40	0.40	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/20/14 18:36	11/20/14 18:37	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/20/14 18:04	11/20/14 18:36	0.53	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/20/14 21:00	11/20/14 21:01	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/20/14 19:24	11/20/14 21:00	1.60	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/20/14 23:24	11/20/14 23:25	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/20/14 21:08	11/20/14 23:24	2.27	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 1:00	11/21/14 1:01	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/20/14 23:40	11/21/14 1:00	1.33	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 2:28	11/21/14 2:29	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 1:16	11/21/14 2:28	1.20	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 3:56	11/21/14 3:57	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 2:36	11/21/14 3:56	1.33	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 10:28	11/21/14 10:29	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 4:04	11/21/14 10:28	6.40	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	*Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)*	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	*Start malfunction diagnosis.*	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 11:40	11/21/14 11:41	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 10:44	11/21/14 11:40	0.93	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 11:56	11/21/14 11:57	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 11:48	11/21/14 11:56	0.13	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 12:12	11/21/14 12:13	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 12:04	11/21/14 12:12	0.13	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 12:28	11/21/14 12:29	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 12:20	11/21/14 12:28	0.13	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 14:20	11/21/14 14:21	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 12:36	11/21/14 14:20	1.73	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 14:52	11/21/14 14:53	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 14:44	11/21/14 14:52	0.13	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/21/14 15:48	11/21/14 15:49	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 15:00	11/21/14 15:48	0.80	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/22/14 5:48	11/22/14 5:49	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/21/14 15:56	11/22/14 5:48	13.87	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

- ☐ 10 Automatic shutdown of control device by designed protective systems
- ☐ 11 Auto dialer Callout
- ☐ 12 Shutdown alarms that result in the device not shutting down
- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
- ☐ 17 Loss of power - unknown
- ☐ 18 Damaged Well, Header, or Lateral Piping
- ☐ 19 Leaks at wellheads, valves, flanges, test ports, seals, couplings, etc.
- ☐ 20 Condensate knock-out problems
- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare-Flow Meter

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	11/23/14 12:44	11/23/14 12:44	0.00	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/22/14 6:04	11/23/14 12:44	30.67	29	Complete section 2 Below	

Date Form Filled Out: 01/05/15 Signature: *Paul Flory*

* Standard Operating Procedure (SOP) for Flare Startups (Manual & Automatic) and Shutdowns are provided in SSM Plan

** If SOP in SSM Plan was not followed, notify personnel on "Contact List".

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #7.a.	☐	☑
8.	Start malfunction diagnosis.	☑	☐
9.	Determine if other resources are needed to fix the malfunction (qualified technician, electrician, contractor, on-site resources, manufacturer's representative, or other).	☑	☐
10.	If additional resources needed, contact qualified resource: a. Record contact name, date, and time: _____ b. Contact site representative with information recorded in #10.a.	☐	☑
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Flow meter malfunction

For Start-ups and Shutdowns

Note: **Green Valley** **Flare**

Startup: *The setting in operation of an affected source or portion of an affected source for any purpose.*

Code / Event

- ☐ 1 Maintenance
- ☐ 2 Suspected Collection System Malfunction
- ☐ 3 Suspected Control Device Malfunction
- ☐ 4 Suspected Continuous Monitoring System Malfunction (Temperature/Flow/Other)
- ☐ 5 Training
- ☐ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

Malfunction: *Any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.*

Code **Event**

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- ☐ 11 Auto dialer Callout
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- ☐ 13 Unalarmed shutdown
- ☐ 14 Control Device Smoking
- ☐ 15 Inspection identified malfunction
- ☐ 16 Loss of power - utility down
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- ☐ 18 Damaged Well, Header, or Lateral Piping
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- ☐ 21 Collection piping blockages
- ☐ 22 Problems due to settlement
- ☐ 23 Loss of phase
- ☐ 24 Blower overload condition
- ☐ 25 Blower bearing failure
- ☐ 26 Broken belts (if belt-drive) or broken coupling (if direct-drive) in blower
- ☐ 27 Continuous Monitoring System Malfunction - Thermocouple
- ☐ 28 Continuous Monitoring System Malfunction - UV Scanner
- ☑ **29 Continuous Monitoring System Malfunction - Flow Monitor**
- ☐ 30 Continuous Monitoring System Malfunction - Flow Recorder
- ☐ 31 Continuous Monitoring System Malfunction - Temperature Recorder
- ☐ 32 Act of God (i.e., lightening, wind, etc.)
- ☐ 99 Other (Describe)

ATTACHMENT G

Pump Count Table

Technician: Paul Flory/Zack Ankney
Date: 2014

GREEN VALLEY PUMP COUNTER INFORMATION

Pumps	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14
DL-7	287896	297552	305789	309464	315934	318,098	324236	330381	336410	342792	348469	354574
DL-8	1783	1783	2279	2547	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed
CK-1	473512	485094	493941	501182	509500	513,532	525668	538274	550414	563203	575312	587085
CK-2	209528	211751	213923	216505	220464	222473	231546	239444	247319	255881	262101	267063
CK-3	927685	942218	960371	985386	271	9228	32565	51616	70415	89941	111596	134655
CK-4	31673	39189	56246	73570	78598	82496	91888	96791	102910	106706	109496	112614
CK-H	283730	361537	605581	907606	952395	956256	961177	963238	14000	16059	41061	72953
Toe Drain	704959	845894	919151	5903	307712	343,274	400734	433931	476481	513427	551499	574542
GRNVLPW1									5120	13506	13506	13506
GRNVLPW2									3131	7353	18348	20067
RS1									275	323	327	332
RS2									1345	1346	1348	1554
GRNVLY04	716033	774517	882520	920916	982868	53123	96742	148164	211497	246675	262789	295052
GRNVLY7R	812913	865126	899584	918321	966928	7695	50865	82492	115354	144147	154957	193730
GRNVL08R	63063	63888	64947	66342	66933	67675	68368	68733	69061	69517	69934	70471
GRNVL10R	604	604	608	608	608	608	608	608	608	608	608	608
GRNVL13R	123056	126584	129428	131738	134467	137791	141549	144035	146182	147726	149326	153277
GRNVL18R		288	288	290	290	290	290	291	291	291	291	295
GRNVLY21	64	64	66	66	66	66	66	66	68	68	68	70
GRNVLY23		Counter needed	Counter needed	Counter needed	204	204	204	204	204	204	204	204
GRNVLY25	155354	158401	164924	167454	170933	175788	181634	184002	190706	194725	198384	201803
GRNVL26R	149753	152018	153637	153637	155993	156909	156938	156954	156954	156954	156954	156954
GRNV27RR	10712	10712	10712	10712	10717	10747	10723	10723	10729	10731	10731	Removed
GRNVLY28	54939	60430	61743	61749	63120	63126	63159	68777	73719	78168	82117	85378
GRNVLY29	105929	106851	108606	109583	Missed	110598	111002	111002	111015	111369	116043	120186
GRNVL32R		388317	613352	613352	613352	613352	613352	613352	613352	613352	724662	844703
GRNVLY35	273	273	273	274	274	274	274	1790	9848	10523	10523	19652
GRNVL38R	24808	24947	24947	24947	24947	24947	24947	24947	24947	24947	24947	Removed
GRNVL41R	98675	98711	98719	98721	Missed	98730	98732	98734	98739	98740	98740	98744
GRNVL43R	369256	369256	9458	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed
GRNVL44R					98726	Removed	Removed	Removed	Removed	Removed	Removed	Removed
GRNVL47R				221	Missed	225	225	229	229	229	229	Removed
GRNVL49R									4385	4588	4692	5411
GRNVL52R	41479	58747	70281	73170	77799	77799	77799	77799	41141	59460	59462	Removed
GRNVL54R	458059	458061	458061	458061	458061	458061	350274	375828	417826	434160	439011	472803
GRNVLY55	1944	1945	1945	1946	1947	1957	1957	1968	1968	1968	1980	2053
GRNVLY56	51769	52333	52333	52333	52333	52649	52649	53638	55749	56721	56721	59805
GRNVLY57	7832	8393	8923	9315	9629	9915	10209	10410	10446	10446	11076	11721
GRNVL59R	264	288	288	288	288	291	291	292	292	293	303	303
GRNVL60R									28473	43285	82795	116803
GRNVLY61	21328	21328	23024	40732	46139	46184	46340	861470	206	206	206	240
GRNVLY62	251	251	251	251	Removed	Removed	Removed	Removed	865658	869764	873203	873205
GRNVL63R	276200	276202	276202	276202	Removed	Removed	Removed	Removed	10656	27990	35499	45950
GRNV64R2									NA	NA	NA	NA
									66206	259513	370037	816335

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan

Monitoring Control and Compliance, Inc.

LANDFILL: Green Valley - 2014

Month	Cover Integrity problems found during the inspection	Date Site Notified MCC/Republic Initials	Date Repairs Made Republic Initials	Site Remediation
January 2014	Revised 2/18/14. Unit I cover is intact with very minor issues near HW01. Unit II cover is intact with minor issues near HW3, HW4, HW5 and HW6.	1/31/2014 ZA		
February 2014	Unit I looks good, no problems. Significant odors on Unit II near HW3-HW6. Minor erosion ruts forming on North face between EW62 and EW63R. Leachate stain between HW4 and HW5.	3/6/2014 ZA		
March 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6.	3/11/2014 ZA		
April 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6. No new cover issues to report.	4/9/2014 ZA		
May 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Leachate seep on Unit II between HW4 and HW5 has been repaired. Seep between EW62 and EW63 still exists. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R.	5/30/2014 ZA		
June 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck of the entirety of the unit. Erosion rills of Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R.	6/9/2014 ZA		
July 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck of the entirety of the unit. Erosion rills of Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R.	7/14/2014 ZA		
August 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote.	8/12/2014 ZA		
September 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and north slope. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Soft spot between EW56 and EW47R has been repaired. A portion of Unit I has been mowed, but needs completed.	9/10/2014 ZA		
October 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2. A portion of Unit I has been mowed, but needs completed.	10/9/2014 ZA		
November 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2. A portion of Unit I has been mowed, but needs completed. No new cover issues to address.	11/5/2014 ZA		
December 2014	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2.	12/5/2014 ZA		

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 60R

Site Information

Technician	Doug Owens And Tim Franklin
Date	12/3/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-3317
Tri-Tubing Diameter	1 in OD
Well Diameter	6"
Well Construction	HDPE
Depth to Liquid (ft)	77
Well Depth (ft)	81
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	75.6
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	240
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	80
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.		x	The air pin is broken.
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

We pulled the pump, cleaned and reinstalled it.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: RS2

Site Information

Technician	Doug Owens And Tim Franklin
Date	12/4/2014
Site	Green Valley
Pump Type	AP4
Pump ID	3-18041S
Tri-Tubing Diameter	1 in OD
Well Diameter	6"
Well Construction	HDPE
Depth to Liquid (ft)	15
Well Depth (ft)	18
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	16
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	1554
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	80
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

We pulled the pump, cleaned and reinstalled it.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: RS1

Site Information

Technician	Doug Owens And Tim Franklin
Date	12/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-5475
Tri-Tubing Diameter	1 in OD
Well Diameter	6"
Well Construction	HDPE
Depth to Liquid (ft)	14
Well Depth (ft)	18.4
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	16.2
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	332
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	80
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

We pulled the pump, cleaned and reinstalled it.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: PW2

Site Information

Technician	Doug Owens And Tim Franklin
Date	12/4/2014
Site	Green Valley
Pump Type	N/A
Pump ID	N/A
Tri-Tubing Diameter	1 in OD
Well Diameter	6"
Well Construction	HDPE
Depth to Liquid (ft)	N/A
Well Depth (ft)	N/A
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	N/A
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	1554
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	90
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

We could not pull the pump do to some type of restriction.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 49R

Site Information

Technician	Doug Owens And Tim Franklin
Date	12/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-3358
Tri-Tubing Diameter	1 in OD
Well Diameter	6"
Well Construction	HDPE
Depth to Liquid (ft)	50
Well Depth (ft)	66.1
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	63.4
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	4720
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	80
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		*Results (GPM):*
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

We pulled the pump, cleaned and reinstalled it.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 21

Site Information

Technician	Doug Owens And Tim Franklin
Date	12/4/2014
Site	Green Valley
Pump Type	AP4
Pump ID	3-24538S
Tri-Tubing Diameter	1 in OD
Well Diameter	8"
Well Construction	PVC
Depth to Liquid (ft)	59
Well Depth (ft)	73.3
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	63.5
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments	
Counter	X		Count:	69
Wellhead with compression fittings	X			
Hoses	X			
Hose Barbs	X			
Clamps	X			
Quick Connect Fittings	X			
Regulator	X		Setpoint (psi):	80
Regulator Particulat Filter	X			
Condensation Trap	X			
Air Line PSI	X		PSI	90
FM Pressure	X		PSI	0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		*Results (GPM):*
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins *prevent float contact.*	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

We pulled the pump, cleaned and reinstalled it.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 18R

Site Information

Technician	Doug Owens And Tim Franklin
Date	12/4/2014
Site	Green Valley
Pump Type	AP4+
Pump ID	4-5470
Tri-Tubing Diameter	1 in OD
Well Diameter	6"
Well Construction	HDPE
Depth to Liquid (ft)	17
Well Depth (ft)	43.1
Drill log Depth (ft)	N/A
Pump Set Depth (ft)	40
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 294
Wellhead with compression fittings	X		
Hoses	X		
Hose Barbs	X		
Clamps	X		
Quick Connect Fittings	X		
Regulator	X		Setpoint (psi): 80
Regulator Particulat Filter	X		
Condensation Trap	X		
Air Line PSI	X		PSI 80
FM Pressure	X		PSI 0

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

We pulled the pump, cleaned and reinstalled it.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW54R

Site Information

Technician	Zack Ankney
Date	12/17/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-9557
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	48.8
Well Depth (ft)	67.2
Drill log Depth (ft)	
Pump Set Depth (ft)	65.1
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 472803
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)	x		Results (GPM):
Inspect Fluid Inlet Screen	x		
Disassemble pump and inspect for corrosion or buildup	x		
Disassemble Inlet Check Valve and Inspect	x		
Disassemble outlet Check Valve and Inspect	x		
Determine if any part of the float material itself can contact the discharge pipe. Move each end of the float back and forth, sideways, to ensure that the pins prevent float contact.	x		
Inspect lever Pivot wear (should be less than 1/32 movement)	x		

Comments:

Pulled, inspected, and cleaned pump.

Parts Required for Repair/Replacement

GREEN VALLEY LANDFILL
Over 58% CH4 Report - December 2014

Well_ID	CH4 6/9	6/24	7/14	7/28	8/12	8/27	9/10	9/25	10/10	10/23	11/5	11/19	12/5	12/18	Field Comment	Suggested fix	Estimated cost
GRNV17R2													60.5		Opened valve	Additional tuning	
GRNV46R2	59.3	60				64.1									Max applied, 7 scfm	well is pinched, wont take a pump	
GRNV50R3	59.2														New well	slowly open valve	
GRNV64R2	58.8	59.2	58	58.5	59		59.3		60.2	59.2	58.8				New well	Pump installed	
GRNV65R2	58.5	59		58.2		58.4				59.3		59.8			Low applied vacuum, 9 scfm	Pump install?	
GRNVL43R									62.4						New remote installed.		
GRNVL47R	61.4	61.4	60.1						61					58.4	Pump was removed but cant be re-installed.	Re-drill	$10,000
GRNVL49R	62.3	62.2	60.1	61.1	61.5	61.2	61.1	58.8	60.4	59.9	59.5	58.4	60.2	58.3	Max applied, 20 scfm	Pump installed	
GRNVL52R	64.6	65.1	63	62.6	62.1	62.8	63.2	62	63.5	61.3	61	63.1	59.5		swapped over to 3" FM	swapped over to 3" FM	
GRNVL54R	67.1	58.6					63.2	59.1				58.3			has pump	Additional tuning	
GRNVL59R	65.4	65.2	61.4	62.4	63.2	62.5	63		64	63.1					New well, max applied	Pump installed	
GRNVL60R	62.1	60.8													New well, max applied	Pump installed	
GRNVL63R	63.9	63.4		63	62.9	60.9	60.8					62			max applied	well is pinched, wont take a pump	
GRNV64R2	59.1							58.1							new well	pump installed	
GRNVLHW3		61.2											62.6		easily over pulls	Additional tuning	
GRNVLHW4				60.1	58.7							60.3			Additional tuning	Additional tuning	
GRNVLHW5									59.1								
GRNVLHW6	60.7				60.9									60.3	Tuned back due to oxygen intrusion	Additional tuning	
GRNVLHW7		59		58.9					59.7	58.5					new well, good flow	Pump installed	
GRNVLHW8	58.1														Brand new well, Tuned back due to oxygen intrusion	Pump installed	
GRNVLPW1	60			60.2	60.2	60.3	59.7	59.2							Brand new well, max applied	Pump installed	
GRNVLPW2	58.7	59.9				58.8				58.5	58.8				Brand new well, max applied good flow	Pump installed	
GRNVLY01				59	59.4	59.7	58.7						61.5	59.1	Max Applied	Additional tuning	
GRNVLY02												60.3	60.9		Additional tuning		
GRNVLY03	60.9	60.5				58.9	60.8	60.1	61.7	62	60.1	59.4	62	61.7	max applied, 18 ft of liquid,	Forcemain restricted, FM Jumper line	
GRNVLY16														58.1	Max applied	Raise vacuum	
GRNVLY19														61		Additional tuning	
GRNVLY22														58.4		Additional tuning	
GRNVLY29		59.9					58.8									Additional tuning	
GRNVLY30													61		Additional tuning		
GRNVLY31		59													Max applied		
GRNVLY55	61.7	62.1	59.4	61	60.4	60.1	61.1	59.2	61.1	61.5	60.6				max applied, has pump	FM restriction	
GRNVLY56	62.6	62.8	60.3	62.1	61.1	60.9	60.8	61	59.7	60.9					max applied, has pump	Raise vacuum, exhaust pump in well	
GRNVLY58	59.1		59.9	59											Has leaned out in the past with oxygen intrusion.	Careful tuning	
GRNVLY61	68.4	72.2	69.4	66	63	66.4	60.1							63.3	Max applied	Pump maintenance	
GRNVL18R					58.3	59.7	58.2									Additional tuning	
GRNVL38R					59.8							63.2				Additional tuning	
GRNVLY19					58											Additional tuning	
GRNVCO02						60.6	62.8	62.6	62						17 inches applied, 13 scfm		
GRNVLHW1						59.5						61				Additional tuning	
GRNVLY35						58.7							58.2		turned down to stay under 131 degrees		
Total wells 58%	21	19	9	14	15	17	15	9	12	10	6	10	9	9			
Monitoring points	63	63	63	63	63	63	62	62	62	62	62	62	62	62			
Percentage	33.33%	30.16%	14.29%	22.22%	23.81%	26.98%	24.19%	14.52%	19.35%	16.13%	9.68%	16.13%	14.52%	14.52%			

	June	July	August	September	October	November	December
Month total	25	15	22	16	14	13	15
	39.68%	23.81%	34.92%	25.81%	22.58%	20.97%	24.19%

LFG Extraction Well Liquid Levels
Site Name: Green Valley

DECEMBER 2014

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation at time of Liquid Level Measurement (ft)	TOC to Ground Surface (Measured in Field) (ft)	TOC to Liquid (ft)	TOC to bottom of well or obstruction (ft)	Pump Installed?	TOC to top of Pump (ft)	Pump Cycle Count	Comments
GRNVL18R	GRNVL18R	12/4/14	907.43	5	17	43.1	Y		294	Size: 6; HDPE; cleaned pump.
GRNVLY21	GRNVLY21	12/4/14		4	59	73.3	Y		69	Size: 8; PVC; cleaned pump
GRNVL49R	GRNVL49R	12/4/14	940.71	4	50	66.1	Y		4720	Pulled and cleaned pump.
GRNVL60R	GRNVL60R	12/3/14		4.5	77	81	Y		240	Size: 6; HDPE; pulled and cleaned pump.
GRNVL54R	GRNVL54R	12/17/14		3.5	48.8	67.2	Y		472803	Size: 6; HDPE; inspected and cleaned pump.
GRNVLPW2	GRNVLPW2	12/4/14		4			Y		1554	Could not pull pump due to some type of restriction.
RS1	RS1	12/4/14			14	18.4	Y		1554	Pulled and cleaned pump.
RS2	RS2	12/4/14			15	18	Y		332	Pulled and cleaned pump.

PERMANENT METHANE MONITORS
OPERATIONAL CHECK
Green Valley Landfill
4th Quarter 2014

Date: 12/8/2014 *PERSONNEL:* Zachary Ankney

Structure	Inspection Time	Monitor Model No.	Unit Serial No.	Monitor Location	Operational and Calibrated? Y/N	COMMENTS
Office	9:07	Sierra 2001	991915	Main Hall	Yes	
Shop Storage Shed	N/A	N/A	N/A	N/A	N/A	Monitor Needed
Scalehouse	9:10	Sierra 2001	0029m	North Wall	Yes	
File Shed	9:13	Sierra 2001	0025m	West Wall	Yes	
Landfill Shop	9:17	Sierra 2001	0059m	West Wall	Yes	

Certification: _____ 12/8/2014
Signature Date

STRUCTURAL CHECK
Green Valley Landfill
4th Quarter 2014

Date: 12/8/2014 *PERSONNEL:* Zachary Ankney

Structure	Date	Inspection Time	Monitored Location	LEL %	COMMENTS
Office	12/8/2014	9:07	Lowest	0.0	
Shop Storage Shed	12/8/2014	9:21	Lowest	0.0	
Scalehouse	12/8/2014	9:10	Lowest	0.0	
File Shed	12/8/2014	9:13	Lowest	0.0	
Landfill Shop	12/8/2014	9:17	Lowest	0.0	

Certification: _____ 12/8/2014
Signature Date

GAS PROBE MONITORING
Green Valley Landfill
4th Quarter 2014

Date: 6/11/2014 *PERSONNEL:* Zachary Ankney

PROBE ID	STATIC PRESSURE	METHANE %	LEL %	OXYGEN %	DEPTH TO WATER ft.	COMMENTS
MP1	0.0	0.0	0.0	9.5	16.4	Needs lock
MP2	0.0	0.0	0.0	19.9	8.7	Needs lock
MP3	0.0	0.0	0.0	20.3	154.9	Needs lock
MP4	0.0	0.0	0.0	21.5	34.1	Needs lock

Notes:

Indicator: Envision Firm: MCC
Calibration gas: 15% Methane: 15% Carbon Dioxide:
Weather Conditions: Cloudy
Temperature: 38 F

Certification: Signature 12/8/2014 Date

Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley 4th Quarter Initial**

Monitoring Date: Monday, December 08, 2014 Performed By: Zack Ankney

Time: 10:15:00 Expiration Date: 3/8/2014

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 502.3 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 501.6 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 500.3 ppm (6)

Calculate Precision:

= **-0.28** % (result must be less than +/- 10%)

((STD-(2)+(STD-(4)+(STD-(6))/3 x (1/500) x (100/1)

Instrument Response Time Record

Landfill Name: **Green Valley 4th Quarter Initial**

Monitoring Date: Monday, December 08, 2014 Time: 10:15:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas 502.3 ppm

90% of the stabilized reading = 452.07 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 14 seconds (1)

Measurement #2

Stabilized reading using calibration gas 501.6 ppm

90% of the stabilized reading = 451.44 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 14 seconds (2)

Measurement #3

Stabilized reading using calibration gas 500.3 ppm

90% of the stabilized reading = 450.27 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 15 seconds (3)

Calculate Response Time = 14.33 seconds (must be less than 30 seconds)

(1) + (2) + (3) / 3

Performed By: Zack Ankney Date: 12/8/14

Calibration Procedure and Background Report

Landfill Name: **Green Valley 4th Quarter Initial**

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 501.1 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 1.7 ppm (1)
2. Downwind reading (highest in 30 seconds) 2.6 ppm (2)

Calculate Background Value: (1) + (2) / 2

Background = 2.15 ppm

Performed By: Zack Ankney

Date: 12/08/14 Time: 10:15:00

Quarterly Surface Monitoring Log Sheet

Landfill Name: **Green Valley 4th Quarter Initial**

Performed By: Zack Ankney

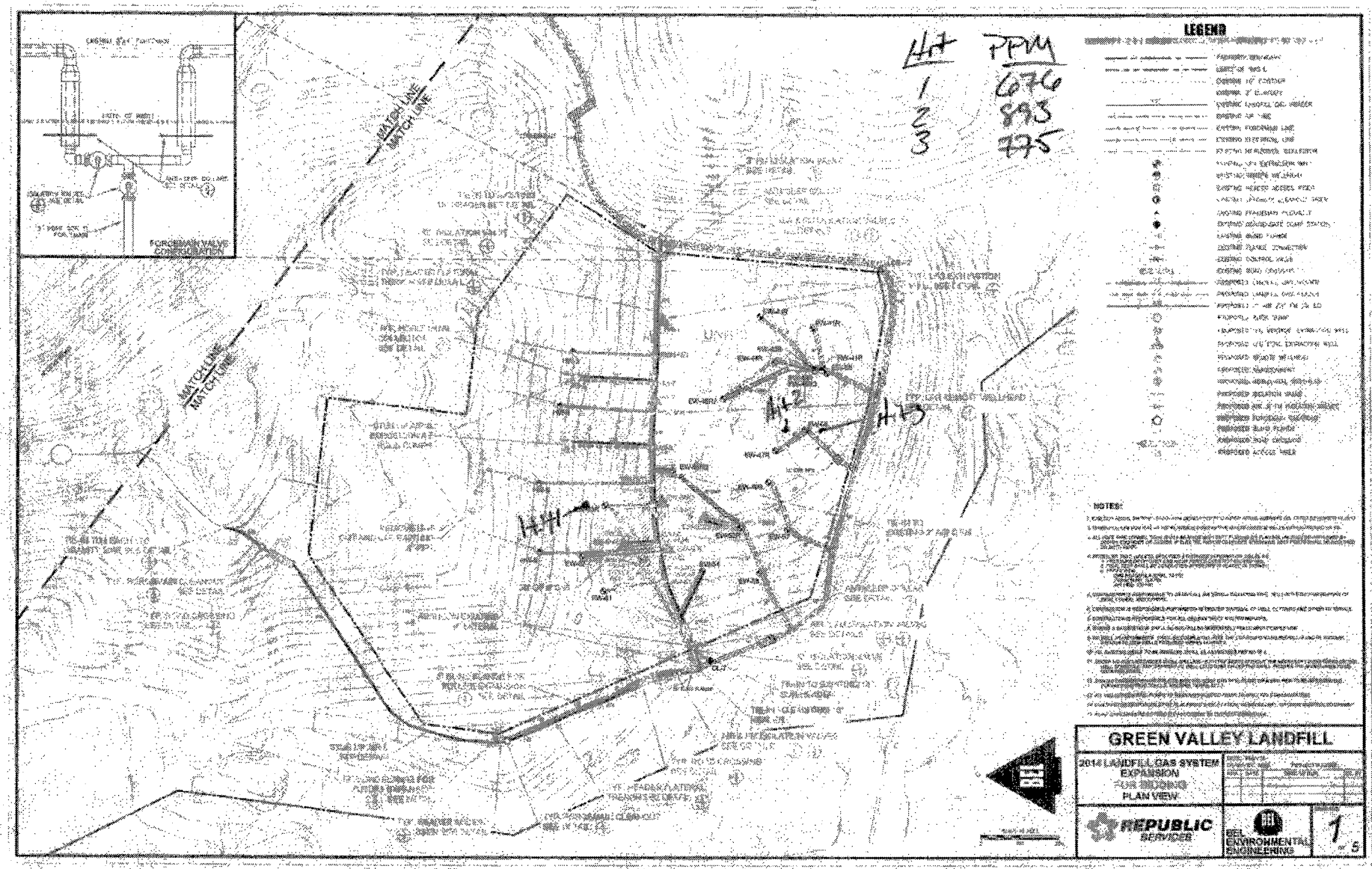
Date: Monday, December 08, 2014

Start Time: 10:15:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	75' N of EW63R @ 10:46	676
Hit 2	30' N of EW56 @ 11:12	893
Hit 3	25' S of EW56 @ 12:46	775

WEATHER CONDITIONS:	
Temperature:	45 ° F
Barametric Pressure:	30.3 In.
Wind Speed/Direction:	ESE @ 4 MPH
Conditions:	Cloudy

Green Valley 4th Qtr Initial 12/8/14



Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley (4th Quarter 10-Day Rechecks)**

Monitoring Date: Thursday, December 18, 2014 Performed By: Zack Ankney

Time: 13:15:00 Expiration Date: 3/18/2015

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 498.7 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 497.9 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 497.3 ppm (6)

Calculate Precision:

= **0.41** % (result must be less than +/- 10%)

((STD-(2)+(STD-(4)+(STD-(6))/3 x (1/500) x (100/1)

Instrument Response Time Record

Landfill Name: **Green Valley (4th Quarter 10-Day Rechecks)**

Monitoring Date: Thursday, December 18, 2014 Time: 13:15:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas 498.7 ppm

90% of the stabilized reading = 448.83 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 14 seconds (1)

Measurement #2

Stabilized reading using calibration gas 497.9 ppm

90% of the stabilized reading = 448.11 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 13 seconds (2)

Measurement #3

Stabilized reading using calibration gas 497.3 ppm

90% of the stabilized reading = 447.57 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 13 seconds (3)

Calculate Response Time = 13.33 seconds (must be less than 30 seconds)

(1) + (2) + (3) / 3

Performed By: Zack Ankney Date: 12/18/14

Calibration Procedure and Background Report

Landfill Name: **Green Valley (4th Quarter 10-Day Rechecks)**

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 500.5 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 2.6 ppm (1)
2. Downwind reading (highest in 30 seconds) 3.7 ppm (2)

Calculate Background Value: (1) + (2) / 2

Background = 3.15 ppm

Performed By: Zack Ankney

Date: 12/18/14 Time: 13:15:00

Quarterly Surface Monitoring Log Sheet

Landfill Name: **Green Valley (4th Quarter 10-Day Rechecks)**

Performed By: Zack Ankney

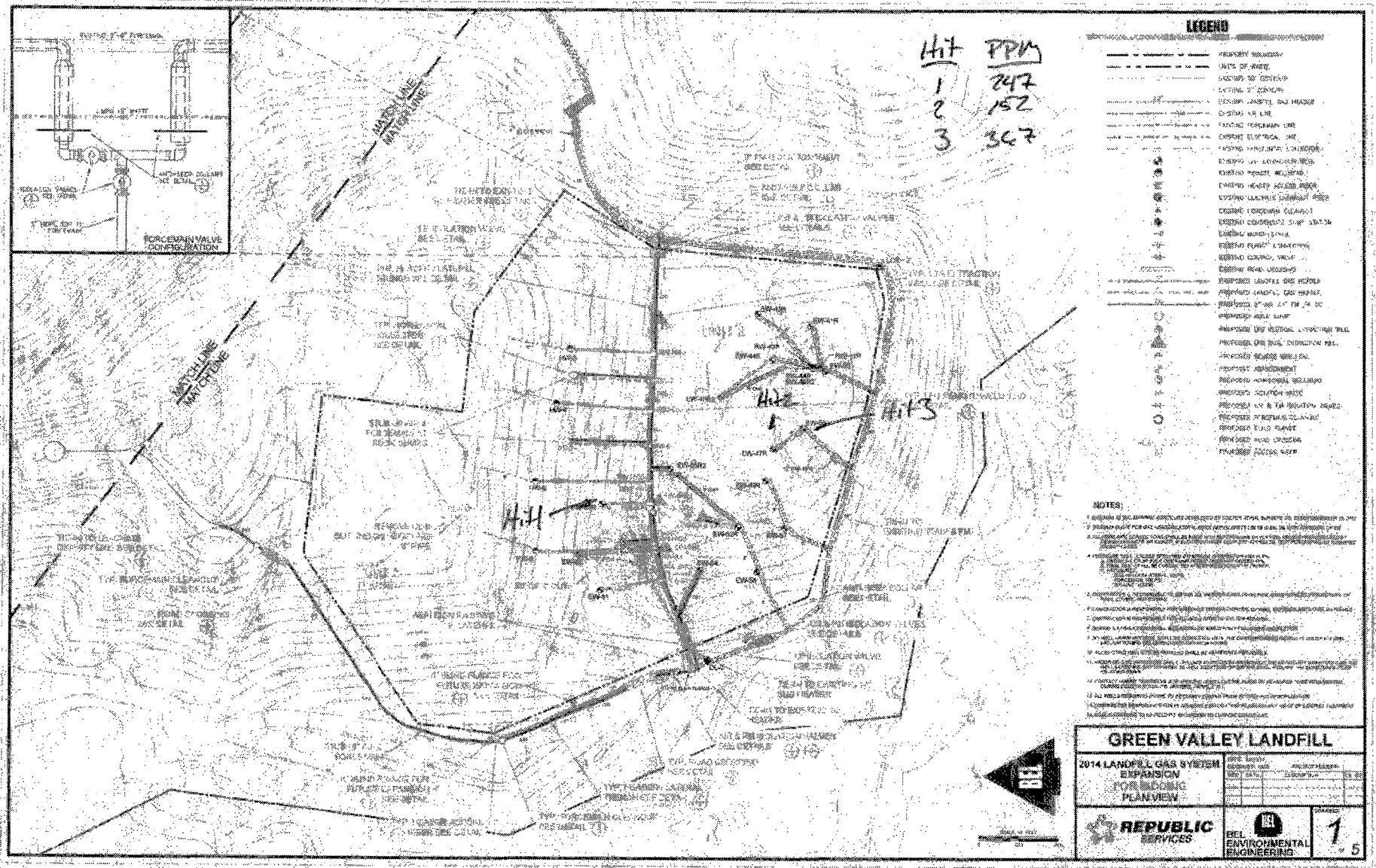
Date: Thursday, December 18, 2014

Start Time: 13:15:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	75' N of EW63R @ 13:34	247
Hit 2	30' N of EW56 @ 13:39	152
Hit 3	25' S of EW56 @ 13:42	367

WEATHER CONDITIONS:	
Temperature:	35 ° F
Barametric Pressure:	30.2 In.
Wind Speed/Direction:	NNW @ 2 MPH
Conditions:	Cloudy

Green Valley 4th Qtr 10 Day Recheck 12/18/14



Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley (4th Quarter 30-Day Rechecks)**

Monitoring Date: Wednesday, January 07, 2015 Performed By: Zack Ankney

Time: 9:15:00 Expiration Date: 4/7/2015

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 498.5 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 497.8 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 497.2 ppm (6)

Calculate Precision:

= **0.43** % (result must be less than +/- 10%)

((STD-(2)+(STD-(4)+(STD-(6))/3 x (1/500) x (100/1)

Instrument Response Time Record

Landfill Name: **Green Valley (4th Quarter 30-Day Rechecks)**

Monitoring Date: Wednesday, January 07, 2015 Time: 9:15:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas	498.5	ppm
90% of the stabilized reading =	448.65	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	14	seconds (1)

Measurement #2

Stabilized reading using calibration gas	497.8	ppm
90% of the stabilized reading =	448.02	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	15	seconds (2)

Measurement #3

Stabilized reading using calibration gas	497.2	ppm
90% of the stabilized reading =	447.48	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	14	seconds (3)

Calculate Response Time = 14.33 seconds (must be less than 30 seconds)

(1) + (2) + (3) / 3

Performed By: Zack Ankney Date: 1/7/15

Calibration Procedure and Background Report

Landfill Name: **Green Valley (4th Quarter 30-Day Rechecks)**

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 500.3 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 2.1 ppm (1)
2. Downwind reading (highest in 30 seconds) 3.4 ppm (2)

Calculate Background Value: (1) + (2) / 2

Background = 2.75 ppm

Performed By: Zack Ankney

Date: 01/07/15 Time: 9:15:00

Quarterly Surface Monitoring Log Sheet

Landfill Name: **Green Valley (4th Quarter 30-Day Rechecks)**

Performed By: Zack Ankney

Date: Wednesday, January 07, 2015

Start Time: 9:15:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	75' N of EW63R @ 9:24	231
Hit 2	30' N of EW56 @ 9:29	156
Hit 3	25' S of EW56 @ 9:32	263

WEATHER CONDITIONS:	
Temperature:	17 ° F
Barametric Pressure:	30.4 In.
Wind Speed/Direction:	NNW @ 9 MPH
Conditions:	Cloudy

ATTACHMENT J

Rolling Data Table

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
EW-27RR	12/3/2013 13:03	57.3	38.8	0.4	3.5	0	-0.3	58	17	11	-8.99	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
EW-27RR	12/3/2013 13:06	57.5	39.4	0.1	3	-0.2	-0.3	64	11	9	-8.89	No Change made in Valve Position; Valve Barely Open; User Defined Comments
EW-27RR	12/11/2013 11:03	60.1	39.1	0.5	0.3	0.3	-0.2	52		1	-4.84	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-27RR	12/11/2013 11:07	60	39.9	0	0.1	-0.2	-0.1	69			-4.57	No Change made in Valve Position
EW-27RR	12/17/2013 10:13	59.3	39.1	0.5	1.1	-0.5	-0.4	65	4	4	-4.91	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
EW-27RR	12/17/2013 10:17	58.3	40.9	0.7	0.1	-0.8	-0.8	78	6	6	-4.83	No Change made in Valve Position
EW-27RR	12/23/2013 16:35	60.6	38.7	0.3	0.4	-3.5	-1.7	97	10	3	-19.79	Dec Flow/Vacuum; Closed greater than 1 turn
EW-27RR	12/23/2013 16:36	59.4	38.8	0	1.8	-1.7	-1.3	69	3	3	-19.91	No Change made in Valve Position; Valve Barely Open
EW-27RR	1/15/2014 11:38	60.2	39.6	0	0.2	-0.1	-0.26	36	0	0	-3.97	No Change; None; Good; 10712
EW-27RR	1/29/2014 14:03	48.5	34.1	0.2	17.2	-0.26	-0.21	45	0	0	-11.6	Slightly Closed; None; Good; 10712
EW-27RR	1/29/2014 14:04	49.6	35.1	0.2	15.1	-0.14	-0.14	45	19	20	-10.44	2nd Reading; None; Good
EW-27RR	2/11/2014 12:37	61.2	36.7	0	2.1	-0.18	-0.22	38	0	0	-15.14	No Change; None; Good; 10712
EW-27RR	3/11/2014 13:01	61.1	38.5	0	0.4	0.8	-0.07	87	9	0	-5.91	Slightly Open; None; Good; 10712
EW-27RR	3/11/2014 13:02	60.5	39.5	0	0	-0.06	-0.11	112	0	0	-5.87	2nd Reading; None; Good
EW-27RR	3/26/2014 12:42	43.6	33	0.3	23.1	-2.52	-1.6	120	0	0	-14.75	Slightly Closed; None; Good; 10712
EW-27RR	3/26/2014 12:43	41.9	35	0.2	22.9	-1.15	-1.14	107	0	0	-14.84	2nd Reading; None; Good
EW-27RR	4/9/2014 11:50	58.4	39	0	2.6	-0.71	-0.82	76	5	0	-15.62	Slightly Open; No Repair Needed; Good; 10712
EW-27RR	4/9/2014 11:51	58.6	39.6	0	1.8	-1.03	-1.03	86	0	0	-17.82	2nd Reading; No Repair Needed; Good
EW-27RR	5/29/2014 13:21	53.9	36.5	0	9.6	-1	-1	126	0	0	-21.27	No Change; No Repair Needed; Good; 10717
EW-27RR	6/9/2014 13:21	53.7	37.4	0	8.9	-0.91	-0.9	125	0	0	-17.69	No Change; No Repair Needed; Good; 10717
EW-27RR	6/24/2014 12:06	52.6	37.3	0	10.1	-0.86	-0.82	124	0	0	-17.3	No Change; No Repair Needed; Good; 10717
EW-27RR	7/14/2014 12:51	51.4	37.4	0	11.2	-1.01	-1	122	0	0	-24.02	No Change; No Repair Needed; Good; 10717
EW-27RR	7/28/2014 12:27	46.4	36	0.1	17.5	-1.08	-0.6	118	5	2	-20.89	Slightly Closed; No Repair Needed; Good; 10723
EW-27RR	7/28/2014 12:28	46.4	37	0.1	16.5	-0.47	-0.49	110	0	2	-22.62	2nd Reading; No Repair Needed; Good
EW-27RR	8/12/2014 11:52	57	37.7	0	5.3	-0.17	-0.29	106	1	3	-25.59	Slightly Open; No Repair Needed; Good; 10723
EW-27RR	8/12/2014 11:53	56.8	38.3	0	4.9	-0.26	-0.28	110	3	3	-25.21	2nd Reading; No Repair Needed; Good
EW-27RR	8/27/2014 11:49	57.1	36.6	0	6.3	-0.38	-0.45	121	1	3	-22.92	Slightly Open; No Repair Needed; Good; 10723
EW-27RR	8/27/2014 11:50	57	38.2	0	4.8	-0.52	-0.51	122	2	3	-23.13	2nd Reading; No Repair Needed; Good
EW-27RR	9/10/2014 12:34	55.9	36.2	0	7.9	-0.48	-0.51	119	3	3	-24.82	No Change; No Repair Needed; Good; 10723
EW-27RR	9/25/2014 11:14	56.8	35.9	0	7.3	-0.57	-0.65	115	1	3	-25.48	Slightly Open; No Repair Needed; Good; 10729
EW-27RR	9/25/2014 11:15	56.1	39.1	0	4.8	-0.72	-0.72	117	4	4	-24.24	2nd Reading; No Repair Needed; Good
EW-27RR	10/9/2014 12:20	55.8	35.4	0.1	8.7	-0.88	-1.02	111	4	5	-24.26	Slightly Open; No Repair Needed; Good; 10731
EW-27RR	10/9/2014 12:20	56.1	38	0	5.9	-1.16	-1.14	114	4	5	-25.68	2nd Reading; No Repair Needed; Good
EW-27RR	10/23/2014 11:47	55.1	36.7	0.1	8.1	-0.86	-0.99	115	5	6	-22.87	Slightly Open; No Repair Needed; Good; 10731
EW-27RR	10/23/2014 11:48	55.1	37.9	0.1	6.9	-1.05		117	6		-22.27	2nd Reading; No Repair Needed; Good
EW-27RR	11/5/2014 12:27	49.6	34.2	0.1	16.1	-1.03		117	5		-24.86	No Change; No Repair Needed; Good; counter removed
EW-27RR	11/19/2014 12:10	56.6	35.3	0	8.1	0.16	-0.07	104	3	6	-9.62	Slightly Open; No Repair Needed; Good
EW-27RR	11/19/2014 12:10	55.4	36.8	0	7.8	-0.4		110	6		-9.93	2nd Reading; No Repair Needed; Good
EW-27RR	12/5/2014 11:41	57.5	34.2	0	8.3	-1.31		119	10		-17.26	No Change; No Repair Needed; Good
EW-27RR	12/18/2014 11:37	57.1	35.1	0.1	7.7	-1.4		118	6		-18.69	No Change; No Repair Needed; Good
EW-63R	12/18/2013 12:03	60.8	39.1	0	0.1	-6	-6.1	45			-6.11	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-63R	12/18/2013 12:05	60.1	38.9	0.8	0.2	-6	-6	45			-6.13	No Change made in Valve Position
EW-63R	12/23/2013 15:10	61.4	38.2	0.3	0.1	-5.2	-5.2	39			-5.03	Fully Opened No Change
EW-63R	1/29/2014 9:23	56.8	28	2.5	12.7	-27.26	-27.26	20	0	0	-27.31	No Change; None; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
EW-63R	2/11/2014 8:57	51.6	27.3	3.4	17.7	-21.74	-21.74	24	0	0	-21.74	No Change; None; Fair
EW-63R	2/26/2014 8:27	57.5	31.5	0.4	10.6	-16.82	-16.82	23	13	13	-16.82	No Change; None; Good
EW-63R	3/11/2014 9:32	62.4	34	0.1	3.5	-13.98	-14.02	57	0	0	-13.81	No Change; None; Good
EW-63R	3/26/2014 8:52	63.8	34.6	0	1.6	-16.01	-16.01	36	0	0	-15.79	No Change; None; Good
EW-63R	4/9/2014 8:05	63.6	36.1	0	0.3	-16.7	-16.7	48	0	0	-16.52	No Change; No Repair Needed; Fair
EW-63R	5/28/2014 11:02	59.8	30.9	0.2	9.1	-16.09	-16.22	85	0	0	-15.66	No Change; No Repair Needed; Good
EW-63R	6/9/2014 9:13	63.9	36.1	0	0	-20.45	-20.49	76	9	7	-20.02	No Change; No Repair Needed; Good
EW-63R	6/24/2014 7:39	63.4	33.9	0	2.7	-20.84	-20.88	79	7	8	-20.58	No Change; No Repair Needed; Good; needs pump
EW-63R	7/14/2014 9:34	57.9	28	0.7	13.4	-26.54	-26.54	78	12	11	-26.17	No Change; No Repair Needed; Good
EW-63R	7/28/2014 9:17	63	35.3	0	1.7	-26.83	-26.83	75	11	11	-26.59	No Change; No Repair Needed; Good
EW-63R	8/12/2014 8:08	62.9	35.1	0	2	-26.92	-26.92	80	8	9	-26.59	No Change; No Repair Needed; Good; needs pump
EW-63R	8/27/2014 7:50	60.9	33.6	0.2	5.3	-26.83	-26.57	79	9	9	-26.15	No Change; No Repair Needed; Fair; needs pump
EW-63R	9/10/2014 9:08	60.8	34	0.3	4.9	-26.92	-27.14	84	7	6	-26.63	No Change; No Repair Needed; Fair; needs pump
EW-63R	9/25/2014 7:34	12.6	20.6	15.5	51.3	-26.84	-24.08	67	0	4	-26.68	Slightly Closed; No Repair Needed; Fair; pinched
EW-63R	9/25/2014 7:35	11.9	10.2	17.2	60.7	-9.61	-9.35	63	7	6	-25.99	2nd Reading; No Repair Needed; Fair
EW-63R	10/9/2014 8:56	38	24.1	7.9	30	-15.62	-15.57	63	11	13	-15.58	Slightly Closed; No Repair Needed; Fair
EW-63R	10/9/2014 8:57	39	23.7	7.6	29.7	-15.62	-15.57	59	10	8	-15.54	2nd Reading; No Repair Needed; Fair
EW-63R	10/23/2014 7:50	33.4	25.2	9	32.4	10.44	-7.55	57	0	0	-24.17	Slightly Open; No Repair Needed; Fair
EW-63R	10/23/2014 7:51	35.4	23.2	8.6	32.8	-25.84		51	7		-25.68	2nd Reading; No Repair Needed; Fair
EW-63R	11/5/2014 7:36	18.5	26.7	13.7	41.1	-26.88	-24.46	63	14	7	-26.63	Slightly Closed; No Repair Needed; Fair
EW-63R	11/5/2014 7:37	14.5	11.1	16.2	58.2	-15.49		56	10		-26.63	2nd Reading; No Repair Needed; Fair
EW-63R	11/19/2014 8:14	61.5	37.7	0	0.8	2.63	-4.32	30	0	0	-27.02	Slightly Open; No Repair Needed; Fair
EW-63R	11/19/2014 8:15	62	37.3	0	0.7	-12.21		26	16		-26.97	2nd Reading; No Repair Needed; Fair
EW-63R	12/5/2014 7:43	10.6	11.4	16.9	61.1	-1.97	-1.8	50	16	5	-16.88	Slightly Closed; No Repair Needed; Fair
EW-63R	12/5/2014 7:44	10.6	7.4	17.6	64.4	-1.1		46	10		-16.57	2nd Reading; No Repair Needed; Fair
EW-63R	12/18/2014 7:52	10.7	9	17.6	62.7	0.2	-0.26	33	0	0	-20.03	Slightly Open; No Repair Needed; Fair
EW-63R	12/18/2014 7:53	10.8	7.1	18	64.1	-0.19		29	0		-19.77	2nd Reading; No Repair Needed; Fair
GRNV17R2	12/3/2013 15:26	59.8	37	0	3.2	-2.5	-2.8	100	18	26	-5.32	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV17R2	12/3/2013 15:29	59.7	37.2	0	3.1	-2.8	-2.9	101	25	25	-5.45	No Change made in Valve Position
GRNV17R2	12/17/2013 13:54	60.4	37.7	0	1.9	-1.9	-2	99	22	26	-3.77	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV17R2	12/17/2013 13:57	60.5	38.3	0	1.2	-2	-2.1	99	29	26	-3.83	No Change made in Valve Position
GRNV17R2	1/15/2014 10:57	57.3	35.8	0	6.9	-0.97	-1.03	98	27	31	-1.81	No Change; None; Good
GRNV17R2	1/29/2014 12:48	48.9	33.6	0	17.5	-8.89	-8.89	100	52	48	-11.6	No Change; None; Good
GRNV17R2	2/11/2014 11:53	55	33.9	0	11.1	-7.68	-7.55	96	59	48	-12.38	No Change; None; Good
GRNV17R2	3/11/2014 12:19	60.2	35	0	4.8	-4.14	-4.2	103	40	44	-6.38	No Change; None; Good
GRNV17R2	3/26/2014 11:56	54.2	35.4	0	10.4	-10.48	-10.66	102	48	43	-13.5	No Change; None; Good
GRNV17R2	4/9/2014 10:04	54.6	35.5	0	9.9	-13.46	-13.59	102	50	50	-17.43	Slightly Open; No Repair Needed; Good
GRNV17R2	4/9/2014 10:05	54.7	37.3	0	8	-13.03	-13.07	103	48	46	-15.49	2nd Reading; No Repair Needed; Good
GRNV17R2	5/29/2014 12:37	49.4	35.9	0	14.7	-12.38	-12.34	104	53	54	-16.95	No Change; No Repair Needed; Good
GRNV17R2	6/9/2014 12:45	48.3	36	0	15.7	-10.27	-9.97	104	43	45	-12.94	No Change; No Repair Needed; Good
GRNV17R2	6/24/2014 10:19	48.2	35.5	0	16.3	-10.66	-10.66	104	69	64	-15.83	No Change; No Repair Needed; Good
GRNV17R2	7/14/2014 12:16	45.1	33.6	0	21.3	-11.03	-9.65	104	59	40	-19.59	Slightly Closed; No Repair Needed; Good
GRNV17R2	7/14/2014 12:17	43.9	33.7	0	22.4	-8.96	-9.31	104	39	39	-17.35	2nd Reading; No Repair Needed; Good
GRNV17R2	7/28/2014 11:10	43.9	34.5	0	21.6	-7.89	-5.82	103	43	27	-18	Slightly Closed; No Repair Needed; Good
GRNV17R2	7/28/2014 11:11	44	34	0	22	-5.48	-5.48	100	4	4	-19.46	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNV17R2	8/12/2014 10:20	54.2	34.1	0	11.7	-0.67	-0.76	94	4	9	-18.3	Slightly Open; No Repair Needed; Good
GRNV17R2	8/12/2014 10:21	54.4	34.7	0	10.9	-0.83	-0.81	96	9	11	-18.3	2nd Reading; No Repair Needed; Good
GRNV17R2	8/27/2014 9:52	56.2	34.5	0	9.3	-1.41	-1.5	97	12	12	-18.56	Slightly Open; No Repair Needed; Good
GRNV17R2	8/27/2014 9:53	56.3	34.8	0	8.9	-1.51	-1.49	98	13	12	-18.6	2nd Reading; No Repair Needed; Good
GRNV17R2	9/10/2014 11:07	53.3	35	0	11.7	-2.18	-2.21	99	9	15	-20.72	No Change; No Repair Needed; Good
GRNV17R2	9/25/2014 9:34	50.9	36.5	0	12.6	-2.4	-2.35	96	12	12	-18.48	No Change; No Repair Needed; Good
GRNV17R2	10/9/2014 11:02	54.6	34.6	0	10.8	-2.51	-2.59	97	17	16	-19.34	Slightly Open; No Repair Needed; Good
GRNV17R2	10/9/2014 11:02	54.7	35.4	0	9.9	-2.66	-2.62	98	19	17	-20.03	2nd Reading; No Repair Needed; Good
GRNV17R2	10/23/2014 9:55	51	34.9	0	14.1	-3.37		96	26		-15.54	No Change; No Repair Needed; Good
GRNV17R2	11/5/2014 10:30	51.3	34	0	14.7	-3.02		95	20		-20.46	No Change; No Repair Needed; Good
GRNV17R2	11/19/2014 10:40	54.1	33.8	0	12.1	-0.78	-0.92	95	16	23	-21.1	Slightly Open; No Repair Needed; Good
GRNV17R2	11/19/2014 10:41	54.5	35.4	0	10.1	-0.95		95	20		-21.19	2nd Reading; No Repair Needed; Good
GRNV17R2	12/5/2014 9:54	60.5	36.3	0	3.2	-2.37	-2.55	96	19	20	-15.49	Slightly Open; No Repair Needed; Good
GRNV17R2	12/5/2014 9:55	60.3	36.7	0	3	-2.64		97	25		-15.32	2nd Reading; No Repair Needed; Good
GRNV17R2	12/18/2014 9:50	57.7	36.3	0	6	-4		97	40		-17.48	No Change; No Repair Needed; Good
GRNV46R2	12/4/2013 16:23	0.5	1.5	20.1	77.9	-16.9	-16.9	66	5		-16.99	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNV46R2	12/4/2013 16:26	8	6.6	17.5	67.9	-16.9	-17	66	4		-17.11	No Change made in Valve Position
GRNV46R2	12/11/2013 9:21	0	0.9	20.7	78.4	-5.7	-5.8	30	8		-6	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNV46R2	12/11/2013 9:31	25.1	18.6	11.5	44.8	-5.9	-5.9	30	5	7	-5.98	No Change made in Valve Position
GRNV46R2	12/18/2013 10:36	30.8	21.6	9.9	37.7	-6.3	-6.2	34			-6.32	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNV46R2	12/18/2013 10:39	27	19.1	11.2	42.7	-6.2	-6.1	35			-6.25	No Change made in Valve Position
GRNV46R2	1/15/2014 9:27	56.9	39.7	0.1	3.3	-16.7	-16.52	34	26	43	-16.31	No Change; None; Good
GRNV46R2	1/29/2014 10:23	58.4	36.6	0.1	4.9	-27.22	-27.22	22	0	0	-27.65	No Change; None; Good
GRNV46R2	2/11/2014 9:47	60.4	35.8	0.2	3.6	-22.69	-22.09	24	20	17	-22.48	No Change; None; Good
GRNV46R2	2/26/2014 9:25	25.7	17.5	12.9	43.9	-17.17	-17	25	0	0	-17.04	Slightly Closed; None; Fair
GRNV46R2	2/26/2014 9:26	34.5	19	10	36.5	-16.82	-17.17	24	0	0	-16.91	2nd Reading; None; Fair
GRNV46R2	3/11/2014 10:18	57.1	36.5	3.4	3	-7.85	-7.85	60	9	13	-7.64	No Change; None; Good
GRNV46R2	3/26/2014 9:41	63.5	36.1	0.4	0	-15.92	-15.83	31	0	0	-15.88	No Change; None; Good
GRNV46R2	4/9/2014 8:56	59.6	39	0	1.4	-21.44	-21.66	55	2	10	-21.35	No Change; No Repair Needed; Good
GRNV46R2	5/29/2014 9:05	60.7	39.3	0	0	7.25	7.25	73	7	6	6.95	No Change; No Repair Needed; Good
GRNV46R2	5/29/2014 9:06	61.9	38.1	0	0	7.25	7.25	73	7	6	7.29	2nd Reading; No Repair Needed; Good
GRNV46R2	5/29/2014 14:27	58.7	40.4	0	0.9	-17.17	-17.52	75	17	17	-17.6	No Change; No Repair Needed; Good
GRNV46R2	6/9/2014 11:00	59.3	40.7	0	0	-20.79	-20.79	77	6	6	-20.58	No Change; No Repair Needed; Fair
GRNV46R2	6/24/2014 8:48	60	39.6	0	0.4	-20.88	-21.05	82	7	9	-20.66	No Change; No Repair Needed; Good
GRNV46R2	7/14/2014 10:29	57.3	36.6	0.1	6	-26.54	-26.2	80	5	8	-26.17	No Change; No Repair Needed; Good
GRNV46R2	7/28/2014 10:07	55.3	31.7	0.3	12.7	-26.49	-26.49	73	10	5	-26.59	No Change; No Repair Needed; Good
GRNV46R2	8/12/2014 9:06	11.9	6.9	16.6	64.6	-27.05	-27.01	81	0	0	-26.93	Slightly Closed; No Repair Needed; Fair; remote restricted
GRNV46R2	8/12/2014 9:07	15.8	9.4	15.1	59.7	-27.01	-27.01	81	2	2	-26.8	2nd Reading; No Repair Needed; Fair
GRNV46R2	8/27/2014 8:39	64.5	35.5	0	0	-7.85	-10.61	78	0	0	-26.15	Slightly Open; No Repair Needed; Good
GRNV46R2	8/27/2014 8:40	64.1	35.1	0	0.8	-26.83	-26.83	78	7	5	-26.15	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNV46R2	9/10/2014 10:09	30.9	19.3	9.1	40.7	-26.66	-26.66	83	6	4	-26.59	Slightly Closed; No Repair Needed; Fair; remote restricted
GRNV46R2	9/10/2014 10:11	36.5	21.3	7.6	34.6	-26.92	-26.92	83	6	6	-26.59	2nd Reading; No Repair Needed; Fair
GRNV46R2	9/25/2014 8:40	54.6	32	1.9	11.5	-5.26	-5.47	67	0	0	-26.68	No Change; No Repair Needed; Fair; remote restricted
GRNV46R2	10/9/2014 9:51	0.6	4.8	20.8	73.8	-26.92	-24.42	65	0	9	-26.63	Slightly Closed; No Repair Needed; Fair
GRNV46R2	10/9/2014 9:52	0.2	0.5	21.8	77.5	-13.37	-13.03	65	10	10	-26.59	2nd Reading; No Repair Needed; Fair
GRNV46R2	10/23/2014 8:44	35.7	18.2	8.5	37.6	-17.04	-16.01	50	11	11	-26.72	Slightly Closed; No Repair Needed; Fair; camera investigation required
GRNV46R2	10/23/2014 8:44	36	16.8	8.8	38.4	-0.27		49	7		-27.06	2nd Reading; No Repair Needed; Fair
GRNV46R2	11/5/2014 8:38	23.4	17.3	12.2	47.1	-0.06	-0.06	56	11	9	-26.97	No Change; No Repair Needed; Fair; valve barely cracked
GRNV46R2	11/5/2014 8:39	24.6	10.4	12.9	52.1	-0.07		57	9		-26.63	2nd Reading; No Repair Needed; Fair; valve barely cracked
GRNV46R2	11/19/2014 9:20	18.4	17.2	11.9	52.5	-0.4	-0.4	30	0	0	-14.03	No Change; No Repair Needed; Fair
GRNV46R2	11/19/2014 9:21	18.4	10.7	12.7	58.2	-0.78		31	0		-14.03	2nd Reading; No Repair Needed; Fair
GRNV46R2	12/5/2014 8:49	17.4	15.2	11.1	56.3	-0.01	-0.01	43	4	5	-18.56	No Change; No Repair Needed; Fair
GRNV46R2	12/5/2014 8:50	16.1	11	12.7	60.2	-0.01		42	7		-18.26	2nd Reading; No Repair Needed; Fair
GRNV46R2	12/18/2014 8:46	6.7	16.6	15.7	61	-2.23	-2.24	32	0	0	-20.37	Slightly Closed; No Repair Needed; Fair
GRNV46R2	12/18/2014 8:47	12	8.4	13.9	65.7	-2.64		29	0		-20.8	2nd Reading; No Repair Needed; Fair
GRNV50R2	12/18/2013 11:33	16.5	11.4	16.7	55.4	-6.3	-6.2	37			-6.32	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV50R2	12/18/2013 11:35	28.8	21.1	10.7	39.4	-6.2	-6.2	37			-6.31	No Change made in Valve Position
GRNV50R2	12/23/2013 14:49	14.5	11	15.1	59.4	-31.1	-30.2	39			-30.84	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNV50R2	12/23/2013 14:51	21	16.8	12.3	49.9	-30.7	-30.9	36			-30.82	No Change made in Valve Position; Valve Barely Open
GRNV50R2	1/29/2014 9:29	32.2	24.6	9.4	33.8	-26.92	-26.88	12	0	0	-26.92	No Change; None; Fair
GRNV50R2	1/29/2014 9:30	28.6	19.3	10.8	41.3	-26.88	-26.57	12	0	0	-26.57	2nd Reading; None; Fair
GRNV50R2	2/11/2014 9:00	37.9	25.7	8.2	28.2	-22.43	-22.35	16	0	0	-22.09	No Change; Repair Air Pump; Fair
GRNV50R2	2/11/2014 9:01	43.2	27.2	6.7	22.9	-22.78	-23.04	16	0	0	-23.12	2nd Reading; None; Fair
GRNV50R2	2/26/2014 8:32	36.4	23.5	8.6	31.5	-16.7	-16.7	23	0	0	-16.82	Slightly Closed; None; Fair
GRNV50R2	2/26/2014 8:33	43.4	24	7.2	25.4	-16.82	-16.82	22	0	0	-16.82	2nd Reading; None; Fair
GRNV50R2	3/11/2014 9:40	35.5	23.8	8.7	32	-13.33	-13.33	57	0	0	-13.16	Slightly Closed; None; Fair
GRNV50R2	3/11/2014 9:41	44.3	23.3	6.7	25.7	-13.33	-13.37	57	0	4	-13.11	2nd Reading; None; Fair
GRNV50R2	3/26/2014 8:57	41.8	24.8	6.9	26.5	-16.05	-16.01	34	0	4	-16.09	Slightly Closed; None; Fair
GRNV50R2	3/26/2014 8:57	37.3	21.6	9.2	31.9	-16.22	-16.01	35	0	0	-16.13	2nd Reading; None; Fair
GRNV50R2	4/9/2014 8:10	41.3	23.3	8.3	27.1	-16.78	-16.74	48	0	0	-16.57	Slightly Closed; No Repair Needed; Fair
GRNV50R2	4/9/2014 8:11	43.1	23.8	7.2	25.9	-17.82	-17.77	48	4	6	-17.6	2nd Reading; No Repair Needed; Fair
GRNV50R2	4/24/2014 8:29	39.6	24.3	7.7	28.4	-27.61	-26.96	50	0	0	-27.35	No Change; No Repair Needed; Fair
GRNV50R2	4/24/2014 8:30	37.6	24.3	7.9	30.2	-27.65	-27.65	50	0	0	-27.65	2nd Reading; No Repair Needed; Fair
GRNV50R2	5/28/2014 11:07	45	25.4	6.1	23.5	-21.18	-22.22	85	8	5	-21.27	Slightly Closed; No Repair Needed; Fair
GRNV50R2	5/28/2014 11:08	46.8	25.5	5.5	22.2	-21.4	-21.4	85	9	6	-21.27	2nd Reading; No Repair Needed; Fair
GRNV50R3	6/9/2014 10:25	59.2	40.8	0	0	-13.76	-13.76	101	36	34	-21.66	No Change; No Repair Needed; Good
GRNV50R3	6/24/2014 8:03	52.9	38.6	0	8.5	-10.4	-10.4	100	23	23	-14.15	No Change; No Repair Needed; Good
GRNV50R3	7/14/2014 9:39	49.7	37.9	0	12.4	-18.27	-18.27	101	32	38	-26.78	No Change; No Repair Needed; Good
GRNV50R3	7/28/2014 9:20	47.3	35.6	0	17.1	-19.24	-16.82	101	31	21	-26.72	Slightly Closed; No Repair Needed; Good
GRNV50R3	7/28/2014 9:20	46	38	0	16	-16.13	-16.18	101	29	22	-27.79	2nd Reading; No Repair Needed; Good
GRNV50R3	8/12/2014 8:12	48.3	38	0	13.7	-15.44	-15.44	102	27	25	-27.32	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNV50R3	8/27/2014 7:53	52.7	37	0	10.3	-11.35	-11.3	103	22	22	-27.88	No Change; No Repair Needed; Good
GRNV50R3	9/10/2014 9:16	51.9	39.2	0	8.9	-11.43	-11.43	103	21	24	-27.71	No Change; No Repair Needed; Good
GRNV50R3	9/25/2014 7:58	48.3	38.3	0	13.4	-11.42	-11.33	103	20	22	-27.91	No Change; No Repair Needed; Good
GRNV50R3	10/9/2014 9:18	50.4	35.5	0	14.1	-11.3	-11.3	104	22	22	-27.45	No Change; No Repair Needed; Good
GRNV50R3	10/23/2014 8:12	48	36.2	0	15.8	-11.69		104	23		-27.79	No Change; No Repair Needed; Good
GRNV50R3	11/5/2014 8:03	46.4	34.9	0	18.7	-12.04	-11.35	105	21	18	-26.93	Slightly Closed; No Repair Needed; Good
GRNV50R3	11/5/2014 8:05	45.9	35.2	0	18.9	-9.28		104	19		-27.15	2nd Reading; No Repair Needed; Good
GRNV50R3	11/19/2014 8:43	52.7	34.7	0.2	12.4	-7.98		100	19		-26.63	No Change; No Repair Needed; Good
GRNV50R3	12/5/2014 8:09	54.7	38.2	0	7.1	-4.99		103	16		-16.18	No Change; No Repair Needed; Good
GRNV50R3	12/18/2014 8:13	56.4	38.7	0.1	4.8	-8.58		103	17		-20.72	No Change; No Repair Needed; Good
GRNV64R2	6/9/2014 9:17	59.1	40.9	0	0	16.57	-2.47	107	28	50	-21.01	Slightly Open; No Repair Needed; Good
GRNV64R2	6/9/2014 9:18	57.9	42.1	0	0	-4.61	-4.53	114	41	41	-20.53	2nd Reading; No Repair Needed; Good
GRNV64R2	6/9/2014 10:12	58.8	41.2	0	0	-13.37	-13.37	114	31	28	-20.45	No Change; No Repair Needed; Good
GRNV64R2	6/9/2014 13:59	58.8	41.1	0	0.1	-14.84	-15.4	114	23	32	-21.1	No Change; No Repair Needed; Good
GRNV64R2	6/24/2014 7:41	60.1	39.6	0	0.3	-16.26	-16.87	108	40	43	-20.66	Slightly Open; No Repair Needed; Good; needs pump
GRNV64R2	6/24/2014 7:42	59.2	40.8	0	0	-17.26	-17.26	108	33	36	-21.05	2nd Reading; No Repair Needed; Good
GRNV64R2	7/14/2014 9:36	59.2	38.4	0	2.4	-22.79	-24.13	107	37	43	-26.09	Slightly Open; No Repair Needed; Good
GRNV64R2	7/14/2014 9:37	58	41	0	1	-24.82	-24.47	109	48	48	-26.39	2nd Reading; No Repair Needed; Good
GRNV64R2	7/28/2014 9:14	58.5	41.5	0	0	-25.15	-25.15	107	28	28	-26.24	No Change; No Repair Needed; Good
GRNV64R2	8/12/2014 8:10	59	39.8	0	1.2	-25.88	-26.01	109	20	21	-26.28	No Change; No Repair Needed; Good; needs pump
GRNV64R2	8/27/2014 7:48	57.4	40.3	0	2.3	-26.19	-26.23	109	21	20	-26.5	No Change; No Repair Needed; Good; needs pump
GRNV64R2	9/10/2014 9:09	59.3	39.2	0	1.5	-25.93	-26.23	109	15	19	-26.59	No Change; No Repair Needed; Good
GRNV64R2	9/25/2014 7:31	58.1	40.3	0	1.6	-3.06	-4.69	118	24	27	-26.93	Slightly Open; No Repair Needed; Good; 66206
GRNV64R2	9/25/2014 7:32	58.1	41.6	0	0.3	-7.24	-7.2	119	34	31	-26.42	2nd Reading; No Repair Needed; Good
GRNV64R2	10/9/2014 8:53	60.2	38.6	0.2	1	-6.47	-9.92	119	41	34	-15.67	Slightly Open; No Repair Needed; Good; 154317
GRNV64R2	10/9/2014 8:54	59.9	39.8	0	0.3	-11.95	-12.12	119	28	29	-15.58	2nd Reading; No Repair Needed; Good
GRNV64R2	10/23/2014 7:47	58.8	41.2	0	0	-13.76	-15.83	118	23	30	-17.52	Slightly Open; No Repair Needed; Good; 259513
GRNV64R2	10/23/2014 7:48	59.2	40.8	0	0	-19.97		119	29		-21.58	2nd Reading; No Repair Needed; Good
GRNV64R2	11/5/2014 7:34	58.8	39.1	0.1	2	-25.84		118	22		-26.59	No Change; No Repair Needed; Good; 363193
GRNV64R2	11/19/2014 8:12	57.4	37.1	0.1	5.4	-25.93		112	31		-26.33	No Change; No Repair Needed; Good; 370037
GRNV64R2	12/5/2014 7:41	57.3	37.2	0.3	5.2	-16.48		113	36		-16.79	No Change; Pump Maintenance Required; Good; 547258
GRNV64R2	12/18/2014 7:49	57.5	41.4	0	1.1	-19.28		113	43		-19.68	No Change; No Repair Needed; Good; 816335
GRNV65R2	12/4/2013 15:14	60.5	39.3	0.1	0.1	-16	-16	67	7	9	-16.08	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV65R2	12/4/2013 15:18	60.2	39.6	0.1	0.1	-16.1	-16.1	66	12	13	-16.08	No Change made in Valve Position
GRNV65R2	12/18/2013 9:39	8.8	4.5	18.7	68	-6.4	-6.4	36			-6.4	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn
GRNV65R2	12/18/2013 9:45	25	13.6	12.7	48.7	-6.5	-6.6	35			-6.49	No Change made in Valve Position
GRNV65R2	12/23/2013 16:13	7.7	4	18.8	69.5	-25.6	-25.3	41			-25.52	Dec Flow/Vacuum; Closed greater than 1 turn
GRNV65R2	12/23/2013 16:15	14.9	8.1	16.3	60.7	-25.5	-25.5	37			-25.62	No Change made in Valve Position
GRNV65R2	1/15/2014 8:51	50.1	23.9	4.8	21.2	-16.87	-16.87	35	0	19	-17.04	No Change; None; Fair
GRNV65R2	1/29/2014 9:43	16.3	14.4	15	54.3	-26.92	-26.53	12	0	0	-27.61	Slightly Closed; None; Fair
GRNV65R2	1/29/2014 9:44	25.7	13.5	12.5	48.3	-27.22	-28	12	0	0	-28.08	2nd Reading; None; Fair
GRNV65R2	2/11/2014 9:13	63	28.6	1.4	7	-22.39	-22.69	33	34	18	-21.74	No Change; None; Good
GRNV65R2	2/26/2014 8:44	34.3	22.5	9.4	33.8	-16.82	-16.74	28	6	0	-16.82	Slightly Closed; None; Fair
GRNV65R2	2/26/2014 8:45	31.2	20.5	10.6	37.7	-16.78	-16.87	25	0	5	-16.61	2nd Reading; None; Fair

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNV65R2	3/11/2014 9:49	40.7	23.3	7.1	28.9	-11.99	-12.04	60	6	6	-12.04	Slightly Closed; None; Fair
GRNV65R2	3/11/2014 9:51	48.1	26.5	4.9	20.5	-11.99	-11.99	58	7	6	-11.78	2nd Reading; None; Fair
GRNV65R2	3/26/2014 9:14	48.6	26.1	4.7	20.6	-15.83	-15.83	35	0	0	-15.88	No Change; None; Fair
GRNV65R2	4/9/2014 8:23	40.5	22.8	7.1	29.6	-16.48	-16.48	51	0	0	-16.48	Slightly Closed; No Repair Needed; Fair
GRNV65R2	4/9/2014 8:24	46.5	25.9	6.4	21.2	-16.48	-16.48	49	0	0	-16.18	2nd Reading; No Repair Needed; Fair
GRNV65R2	4/24/2014 8:38	48.6	27.4	4.9	19.1	-26.57	-26.57	51	0	0	-26.66	No Change; No Repair Needed; Fair
GRNV65R2	5/29/2014 8:36	47.2	24.7	4.9	23.2	-10.7	-10.7	74	6	6	-1.34	No Change; No Repair Needed; Fair
GRNV65R2	6/9/2014 9:09	59.2	40.7	0.1	0	0.15	-1.16	70	11	6	-20.28	Slightly Open; No Repair Needed; Good
GRNV65R2	6/9/2014 9:10	58.5	41.5	0	0	-0.96	-0.93	71	4	7	-20.1	2nd Reading; No Repair Needed; Good
GRNV65R2	6/24/2014 7:45	59	41	0	0	-0.16	-3.89	78	10	7	-20.32	Slightly Open; No Repair Needed; Good
GRNV65R2	6/24/2014 7:46	57.2	40.3	0.6	1.9	-5.91	-5.57	77	9	9	-20.84	2nd Reading; No Repair Needed; Good
GRNV65R2	7/14/2014 9:30	7.9	6.3	18.7	67.1	-5.26	-3.49	77	7	2	-26.82	Slightly Closed; No Repair Needed; Fair
GRNV65R2	7/14/2014 9:31	9.3	6.7	18.5	65.5	-1.33	-1.24	77	4	4	-25.83	2nd Reading; No Repair Needed; Fair
GRNV65R2	7/28/2014 9:11	58.2	41.8	0	0	0.06	-0.37	71	3	0	-26.59	Slightly Open; No Repair Needed; Good
GRNV65R2	7/28/2014 9:12	57.9	42.1	0	0	-0.12	-0.1	72	7	4	-26.67	2nd Reading; No Repair Needed; Good
GRNV65R2	8/12/2014 8:01	57.8	40.2	0	2	0.17	-0.16	77	5	11	-26.63	Slightly Open; No Repair Needed; Good
GRNV65R2	8/12/2014 8:02	57.7	41.8	0.1	0.4	-0.46	-0.44	76	6	6	-26.59	2nd Reading; No Repair Needed; Good
GRNV65R2	8/27/2014 7:45	58.4	38.5	0	3.1	0.09	-1.16	71	6	9	-25.77	Slightly Open; No Repair Needed; Good
GRNV65R2	8/27/2014 7:46	58.6	40.7	0	0.7	-0.2	-0.17	70	6	6	-25.98	2nd Reading; No Repair Needed; Good
GRNV65R2	9/10/2014 9:12	57.5	40.1	0	2.4	0.37	-1.01	82	6	11	-26.59	Slightly Open; No Repair Needed; Good
GRNV65R2	9/10/2014 9:12	57.7	42.1	0.2	0	-0.77	-0.75	84	6	5	-26.63	2nd Reading; No Repair Needed; Good
GRNV65R2	9/25/2014 7:29	49.7	36.8	2.5	11	-0.02	-0.03	59	6	5	-27.02	No Change; No Repair Needed; Good
GRNV65R2	10/9/2014 8:49	2.7	7.8	19.7	69.8	-6.51	-6.51	56	3	0	-16.57	Slightly Closed; No Repair Needed; Fair; camera investigation required
GRNV65R2	10/9/2014 8:50	2.8	2.8	20.6	73.8	-6.51	-6.51	55	7	2	-16.27	2nd Reading; No Repair Needed; Fair
GRNV65R2	10/23/2014 7:44	59.3	39.5	0	1.2	4.13	-0.36	50	8	0	-15.32	Slightly Open; No Repair Needed; Good
GRNV65R2	10/23/2014 7:45	58.7	41.3	0	0	-7.89		47	4		-15.28	2nd Reading; No Repair Needed; Good
GRNV65R2	11/5/2014 7:31	12.2	20.9	15.2	51.7	-24.46	-23.43	55	12	3	-26.59	Slightly Closed; No Repair Needed; Fair
GRNV65R2	11/5/2014 7:31	18.5	13.2	14.4	53.9	-21.35		53	9		-26.97	2nd Reading; No Repair Needed; Fair
GRNV65R2	11/19/2014 8:08	59.8	38.8	0	1.4	9.88	-2.53	22	6	15	-26.63	Slightly Open; No Repair Needed; Fair
GRNV65R2	11/19/2014 8:09	59.4	39.3	0	1.3	-15.88		22	15		-26.67	2nd Reading; No Repair Needed; Fair
GRNV65R2	12/5/2014 7:37	9.6	13.5	17.3	59.6	-16.05	-15.57	42	0	0	-15.93	Slightly Closed; No Repair Needed; Fair
GRNV65R2	12/5/2014 7:38	4.7	6.5	19.1	69.7	-14.75		41	4		-16.23	2nd Reading; No Repair Needed; Fair
GRNV65R2	12/18/2014 7:47	57.9	39.3	0	2.8	-0.34		29	7		-19.77	No Change; No Repair Needed; Good
GRNVL08R	12/4/2013 10:01	57.6	37.5	0.2	4.7	-1.4	-1.7	111	23	24	-5.54	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL08R	12/4/2013 10:04	57.2	37.5	0.1	5.2	-1.5	-1.6	112	24	23	-5.49	No Change made in Valve Position
GRNVL08R	12/17/2013 15:29	60.5	38.2	0	1.3	-0.4	-0.5	111	19	30	-3.38	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL08R	12/17/2013 15:32	60.7	38.8	0	0.5	-0.6	-0.6	112	35	35	-3.6	No Change made in Valve Position
GRNVL08R	1/15/2014 11:11	56.7	36	0	7.3	-0.08	-0.02	108	0	8	-1.73	No Change; None; Good; 63063
GRNVL08R	1/29/2014 13:13	46.7	32.1	0	21.2	-6.51	-5.82	115	46	24	-12.6	Slightly Closed; None; Good; 63567
GRNVL08R	1/29/2014 13:14	46	35.3	0	18.7	-5.52	-5.52	115	29	17	-12.04	2nd Reading; None; Good
GRNVL08R	2/11/2014 11:59	56.9	35.2	0	7.9	-4.97	-4.94	110	16	24	-7.89	No Change; None; Good; 63888
GRNVL08R	3/11/2014 12:26	56.9	36	0	7.1	-1.66	-1.65	112	19	21	-6.56	No Change; None; Good; 64947
GRNVL08R	3/26/2014 12:02	49.8	36.5	0	13.7	-4.64	-4.68	111	29	31	-13.16	No Change; None; Good
GRNVL08R	4/9/2014 10:11	57.7	35.6	0	6.7	-7.16	-7.51	112	25	30	-15.14	Slightly Open; No Repair Needed; Good; 66003

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL08R	4/9/2014 10:12	57.9	36.1	0	6	-7.55	-7.55	112	36	33	-15.49	2nd Reading; No Repair Needed; Good
GRNVL08R	5/29/2014 12:45	42.5	33	0	24.5	-7.08	-6.64	114	37	30	-17.04	Slightly Closed; No Repair Needed; Good; 66933
GRNVL08R	5/29/2014 12:47	42.5	33.5	0	24	-6.47	-6.47	113	31	27	-16.52	2nd Reading; No Repair Needed; Good
GRNVL08R	6/9/2014 12:50	43	33.5	0	23.5	-4.64	-4.06	112	23	16	-14.24	Slightly Closed; No Repair Needed; Good; 67286
GRNVL08R	6/9/2014 12:51	41.8	33.5	0	24.7	-3.98	-3.98	111	21	13	-16.31	2nd Reading; No Repair Needed; Good
GRNVL08R	6/24/2014 10:24	46.8	34	0	19.2	-2.72	-2.5	110	32	23	-16.91	Slightly Closed; No Repair Needed; Good; 67675
GRNVL08R	6/24/2014 10:25	46.7	35.5	0	17.8	-2.38	-2.39	109	12	8	-16.22	2nd Reading; No Repair Needed; Good
GRNVL08R	7/14/2014 12:22	49.7	34.9	0	15.4	-1.79	-1.75	104	36	35	-16.62	No Change; No Repair Needed; Good; 68085
GRNVL08R	7/28/2014 11:17	47.7	36.2	0	16.1	-2.72	-2.57	102	10	2	-18.99	Slightly Closed; No Repair Needed; Good; 68363
GRNVL08R	7/28/2014 11:17	47.7	36.7	0	15.6	-2.54	-2.54	99	4	5	-17.95	2nd Reading; No Repair Needed; Good
GRNVL08R	8/12/2014 10:28	52.6	35.8	0	11.6	-0.86	-0.86	89	5	5	-18.34	No Change; No Repair Needed; Good; 68558
GRNVL08R	8/27/2014 9:58	51.7	34.5	0	13.8	-0.98	-0.97	91	6	6	-17.52	No Change; No Repair Needed; Good; 68733
GRNVL08R	9/10/2014 11:14	54.5	37.6	0	7.9	-1.28	-1.3	90	6	6	-18.52	Slightly Open; No Repair Needed; Good; 68857
GRNVL08R	9/10/2014 11:14	54.9	38.5	0	6.6	-1.32	-1.34	91	8	7	-17.65	2nd Reading; No Repair Needed; Good
GRNVL08R	9/25/2014 9:40	49.5	36	0	14.5	-1.75	-1.74	95	11	7	-18.48	No Change; No Repair Needed; Good; 69061
GRNVL08R	10/9/2014 11:08	55.5	35.1	0	9.4	-1.82	-1.88	94	14	10	-20.41	Slightly Open; No Repair Needed; Good; 69284
GRNVL08R	10/9/2014 11:09	54.6	36.4	0	9	-1.93	-1.94	96	13	12	-20.2	2nd Reading; No Repair Needed; Good
GRNVL08R	10/23/2014 10:00	49.3	35.1	0	15.6	-2.36		95	9		-14.59	No Change; No Repair Needed; Good; 69517
GRNVL08R	11/5/2014 10:35	46.6	34.6	0	18.8	-2.36	-2.3	97	16	11	-20.37	Slightly Closed; No Repair Needed; Good; 69756
GRNVL08R	11/5/2014 10:36	46.4	35.2	0	18.4	-2.22		94	10		-19.46	2nd Reading; No Repair Needed; Good
GRNVL08R	11/19/2014 10:47	51.7	33.9	0	14.4	-0.01		83	14		-19.55	No Change; No Repair Needed; Good; 69934
GRNVL08R	12/5/2014 10:01	57.3	35.2	0	7.5	-1.64		87	8		-15.54	No Change; No Repair Needed; Good; 70262
GRNVL08R	12/18/2014 9:56	56.7	37.1	0	6.2	-2.26		87	6		-16.92	No Change; No Repair Needed; Good; 70471
GRNVL10R	12/3/2013 16:08	53.2	35.7	1.4	9.7	-2.2	-2.1	127	9	6	-5.61	No Change made in Valve Position
GRNVL10R	12/17/2013 14:37	58.5	37.6	0.4	3.5	-1.1	-1.5	127	16	21	-3.94	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL10R	12/17/2013 14:40	58.4	37.6	0.3	3.7	-1.6	-1.6	128	20	21	-3.85	No Change made in Valve Position
GRNVL10R	1/15/2014 11:26	51.2	33.6	0.6	14.6	-0.79	-1.06	124	12	26	-1.38	No Change; None; Good; 604
GRNVL10R	1/29/2014 13:42	32.1	26.3	2.9	38.7	-2.51	-1.73	118	12	5	-3.11	Slightly Closed; None; Fair; 604
GRNVL10R	1/29/2014 13:44	33.4	26.2	2.1	38.3	-1.38	-1.38	118	6	6	-2.46	2nd Reading; None; Fair
GRNVL10R	2/11/2014 12:30	58	31.4	0.5	10.1	-0.05	-0.04	112	13	12	-4.7	No Change; None; Good; 604
GRNVL10R	3/11/2014 12:45	63.3	36.6	0	0.1	-0.11	-0.15	105	21	21	-6.56	No Change; None; Good; 608
GRNVL10R	3/26/2014 12:24	44.3	32.9	0.9	21.9	-3.76	-2.58	126	31	13	-13.5	Slightly Closed; None; Good; 608
GRNVL10R	3/26/2014 12:25	46.1	33	1.2	19.7	-2.21	-2.21	123	13	13	-14.02	2nd Reading; None; Good
GRNVL10R	4/9/2014 11:40	50.9	33.5	1.4	14.2	-2.54	-2.57	121	19	17	-15.92	No Change; No Repair Needed; Good; 608
GRNVL10R	5/29/2014 13:12	49.7	34.1	0.6	15.6	-1.93	-1.9	124	32	33	-16.87	No Change; No Repair Needed; Good; 608
GRNVL10R	6/9/2014 13:13	51.7	36.3	0.5	11.5	-1.66	-1.63	125	15	15	-17	No Change; No Repair Needed; Good; 608
GRNVL10R	6/24/2014 11:59	53.5	35.8	0.5	10.2	-1.23	-1.29	125	30	29	-12.47	No Change; No Repair Needed; Good; 608
GRNVL10R	7/14/2014 12:45	54.6	35.9	0.4	9.1	-1.64	-1.6	124	12	14	-18.47	No Change; No Repair Needed; Good; 608
GRNVL10R	7/28/2014 12:17	52.5	36.1	0.6	10.8	-1.65	-1.64	123	27	27	-15.88	No Change; No Repair Needed; Good; 608
GRNVL10R	8/12/2014 11:43	55.5	36.3	0.4	7.8	-1.35	-1.36	128	30	28	-19.03	No Change; No Repair Needed; Good; 608
GRNVL10R	8/27/2014 11:40	55.6	36.5	0.5	7.4	-1.58	-1.61	125	27	31	-18.13	No Change; No Repair Needed; Good; 608
GRNVL10R	9/10/2014 12:29	55.7	37.2	0.5	6.6	-1.6	-1.65	122	34	35	-19.29	No Change; No Repair Needed; Good; 608
GRNVL10R	9/25/2014 11:09	54.8	36.2	0.5	8.5	-1.55	-1.54	126	19	18	-19.85	No Change; No Repair Needed; Good; 608
GRNVL10R	10/9/2014 12:14	54.9	35.9	0.7	8.5	-2.16	-2.16	119	18	20	-20.76	No Change; No Repair Needed; Good; 608
GRNVL10R	10/23/2014 11:41	54	34.5	1	10.5	-1.69		118	39		-18.6	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL10R	11/5/2014 12:23	50.8	34.6	0.5	14.1	-1.62		120	29		-18.56	No Change; No Repair Needed; Good; 608
GRNVL10R	11/19/2014 12:03	54	33.1	0.4	12.5	-0.48		115	30		-10.7	No Change; No Repair Needed; Good; 608
GRNVL10R	12/5/2014 11:37	56.3	34.7	0.5	8.5	-1.38		118	17		-15.84	No Change; No Repair Needed; Good; 608
GRNVL10R	12/18/2014 11:32	57.7	35.3	0.6	6.4	-1.19		124	0		-17.91	No Change; No Repair Needed; Good; 608
GRNVL13R	12/3/2013 14:26	54.5	37.3	0	8.2	-3.7	-4.2	110			-5.73	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL13R	12/3/2013 14:30	53.9	38.3	0	7.8	-4.4	-4.4	112	4		-5.78	No Change made in Valve Position
GRNVL13R	12/17/2013 11:17	60.7	38.8	0.4	0.1	-3.1	-3.2	107		18	-4.3	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL13R	12/17/2013 11:19	61.1	37.9	0.8	0.2	-3.3	-3.1	107	34	35	-3.91	No Change made in Valve Position
GRNVL13R	1/15/2014 10:15	60.2	39.1	0	0.7	3.33	3.35	40	5	5	3.45	No Change; None; Fair; 123056
GRNVL13R	1/15/2014 10:16	60	40	0	0	3.37	3.36	40	4	5	3.41	2nd Reading; None; Fair
GRNVL13R	1/29/2014 12:24	49.4	32.6	0.1	17.9	-8.58	-8.58	108	17	17	-9.66	No Change; None; Good; 124491
GRNVL13R	2/11/2014 11:21	61.5	35.3	0	3.2	2.65	2.69	100	0	0	2.8	No Change; None; Fair; 125093
GRNVL13R	2/11/2014 11:22	61.7	38.3	0	0	2.33	2.65	100	0	0	2.85	2nd Reading; None; Fair
GRNVL13R	2/26/2014 11:43	57.5	31.6	0.5	10.4	-11.26	-11.22	110	25	23	-13.03	No Change; None; Good; 126584
GRNVL13R	3/11/2014 10:56	61.8	37.6	0	0.6	-5.48	-5.48	111	23	20	-7.29	No Change; None; Good
GRNVL13R	3/26/2014 10:20	57.6	35.6	0	6.8	-11.3	-11.3	110	18	19	-13.42	No Change; None; Good; 129428
GRNVL13R	4/9/2014 9:30	57.8	37.5	0	4.7	-12.17	-12.86	111	17	27	-14.41	Slightly Open; No Repair Needed; Good; 131300
GRNVL13R	4/9/2014 9:31	57.9	37.8	0	4.3	-13.11	-13.03	112	26	26	-14.11	2nd Reading; No Repair Needed; Good
GRNVL13R	5/29/2014 10:01	55.6	36.3	0.1	8	-14.71	-14.62	114	28	26	-16.87	No Change; No Repair Needed; Good; 134467
GRNVL13R	6/9/2014 12:15	53.1	36.4	0.1	10.4	-13.72	-13.72	114	27	27	-14.88	No Change; No Repair Needed; Good; 135996
GRNVL13R	6/24/2014 9:19	51.9	35.9	0	12.2	-14.15	-14.15	114	31	32	-15.88	No Change; No Repair Needed; Good; 137791
GRNVL13R	7/14/2014 11:45	44.7	34	0.1	21.2	-16.2	-13.49	114	28	12	-17.31	Slightly Closed; No Repair Needed; Good; 140029
GRNVL13R	7/14/2014 11:46	44.3	34.8	0	20.9	-12.49	-12.49	113	16	15	-18.6	2nd Reading; No Repair Needed; Good
GRNVL13R	7/28/2014 10:37	51	35.7	0	13.3	-8.2	-7.89	111	9	16	-18.64	No Change; No Repair Needed; Good; 141549
GRNVL13R	8/12/2014 9:37	53.1	36.4	0	10.5	-7.94	-7.94	113	21	16	-19.38	No Change; No Repair Needed; Good; 142288
GRNVL13R	8/27/2014 9:16	54.4	36.2	0	9.4	-7.59	-7.85	113	11	19	-16.31	Slightly Open; No Repair Needed; Good; 144035
GRNVL13R	8/27/2014 9:17	54.2	36.4	0	9.4	-7.89	-7.89	113	19	17	-15.93	2nd Reading; No Repair Needed; Good
GRNVL13R	9/10/2014 10:37	55.8	36.5	0	7.7	-8.93	-9.32	112	21	22	-16.96	Slightly Open; No Repair Needed; Good; 144662
GRNVL13R	9/10/2014 10:38	56.7	38.4	0	4.9	-9.36	-9.32	112	21	24	-17.61	2nd Reading; No Repair Needed; Good
GRNVL13R	9/25/2014 9:05	51.8	35.9	0	12.3	-10.04	-10.04	111	21	21	-16.69	No Change; No Repair Needed; Good; 146182
GRNVL13R	10/9/2014 10:30	54.9	35.6	0	9.5	-10.96	-11.3	112	25	24	-20.72	Slightly Open; No Repair Needed; Good; 147291
GRNVL13R	10/9/2014 10:31	55.3	36.6	0	8.1	-11.69	-11.65	112	33	31	-19.64	2nd Reading; No Repair Needed; Good
GRNVL13R	10/23/2014 9:24	54	35.2	0	10.8	-12.51	-13.07	111	24	39	-20.59	Slightly Open; No Repair Needed; Good; 147726
GRNVL13R	10/23/2014 9:25	54.6	37.2	0	8.2	-13.24		111	35		-20.2	2nd Reading; No Repair Needed; Good
GRNVL13R	11/5/2014 9:14	50.1	33.5	0	16.4	-12.51		111	29		-17.31	No Change; No Repair Needed; Good; 148859
GRNVL13R	11/19/2014 10:14	53.7	36.3	0	10	-8.28		107	13		-11.09	No Change; No Repair Needed; Good; 149326
GRNVL13R	12/5/2014 9:24	56.9	35.5	0.2	7.4	-10.27		110	29		-15.49	No Change; No Repair Needed; Good; 151629
GRNVL13R	12/18/2014 9:21	57.1	34.1	0.2	8.6	-11.35		109	27		-16.4	No Change; No Repair Needed; Good; 153277
GRNVL18R	12/3/2013 15:34	57.9	35.7	0.7	5.7	-0.7	-1.5	84			-5.33	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL18R	12/3/2013 15:37	56.8	35.6	1	6.6	-1.5	-1.5	89	15		-5.41	No Change made in Valve Position
GRNVL18R	12/17/2013 14:02	59	36	0.6	4.4	-0.6	-1.5	86	11	10	-3.86	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL18R	12/17/2013 14:05	57.7	36	0.5	5.8	-1.5	-1.3	92	31	33	-3.88	No Change made in Valve Position
GRNVL18R	1/15/2014 11:00	51.2	32.7	0	16.1	-0.18	-0.04	86	0	6	-2.37	No Change; None; Good
GRNVL18R	2/11/2014 12:04	47.4	30.7	0	21.9	-5.48	-4.46	102	21	9	-11.43	Slightly Closed; None; Good; 288
GRNVL18R	2/11/2014 12:05	47.8	32.4	0	19.8	-3.6	-3.66	102	10	17	-10.01	2nd Reading; None; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL18R	3/11/2014 12:38	60.9	34.1	0	5	-1.04	-1	94	29	30	-5.74	No Change; None; Good; 288
GRNVL18R	3/26/2014 12:17	50.1	35.4	0.5	14	-6.56	-6.56	92	10	11	-14.02	No Change; None; Good; 288
GRNVL18R	4/9/2014 10:25	53.3	35.3	0	11.4	-9.23	-9.23	94	30	31	-16.18	No Change; No Repair Needed; Good; 290
GRNVL18R	5/29/2014 12:33	45.9	34	0.1	20	-7.2	-6.82	97	37	32	-18.94	Slightly Closed; No Repair Needed; Good; 290
GRNVL18R	5/29/2014 12:34	46.4	36.1	0.1	17.4	-6.17	-6.17	95	18	20	-20.53	2nd Reading; No Repair Needed; Good
GRNVL18R	6/9/2014 13:05	45.1	35.9	0.1	18.9	-4.78	-4.5	95	11	7	-16.87	Slightly Closed; No Repair Needed; Good; 290
GRNVL18R	6/9/2014 13:06	44.8	34.6	0.1	20.5	-4.26	-4.28	94	20	19	-16.65	2nd Reading; No Repair Needed; Good
GRNVL18R	6/24/2014 10:45	49.4	34.5	0	16.1	-3.17	-3.15	94	7	6	-13.42	No Change; No Repair Needed; Good; 290
GRNVL18R	7/14/2014 12:39	51.9	33.7	0.1	14.3	-3.23	-3.24	93	6	7	-21.27	No Change; No Repair Needed; Good; 290
GRNVL18R	7/28/2014 11:36	53.8	34.4	0.2	11.6	-3.15	-3.14	89	31	31	-18.69	No Change; No Repair Needed; Good
GRNVL18R	8/12/2014 10:46	58.3	35.3	0	6.4	-1.58	-1.86	94	11	7	-22.92	Slightly Open; No Repair Needed; Good; 291
GRNVL18R	8/12/2014 10:46	58.4	37.2	0	4.4	-2.05	-2.03	95	9	11	-23.95	2nd Reading; No Repair Needed; Good
GRNVL18R	8/27/2014 10:16	57.9	35.4	0.1	6.6	-2.39	-2.9	96	11	10	-24.43	Slightly Open; No Repair Needed; Good; 291
GRNVL18R	8/27/2014 10:17	59.7	37	0	3.3	-3.44	-3.49	97	12	13	-23.09	2nd Reading; No Repair Needed; Good
GRNVL18R	9/10/2014 11:31	57.5	36.1	0.2	6.2	-3.78	-4.27	97	10	16	-22.1	Slightly Open; No Repair Needed; Good; 291
GRNVL18R	9/10/2014 11:32	58.2	38.2	0	3.6	-4.7	-4.69	98	15	16	-23.26	2nd Reading; No Repair Needed; Good
GRNVL18R	9/25/2014 9:56	53.6	37.8	0	8.6	-5.13	-5.13	97	35	35	-23.6	No Change; No Repair Needed; Good; 291
GRNVL18R	10/9/2014 11:23	57.4	34.5	0.1	8	-5.13	-5.82	96	32	37	-21.62	Slightly Open; No Repair Needed; Good; 291
GRNVL18R	10/9/2014 11:24	57.7	37.2	0	5.1	-6.47	-6.47	97	19	19	-22.74	2nd Reading; No Repair Needed; Good
GRNVL18R	10/23/2014 10:17	52.3	36.5	0	11.2	-6.56		96	17		-21.62	No Change; No Repair Needed; Good; 291
GRNVL18R	11/5/2014 10:54	50.7	33.3	0	16	-7.2		96	22		-23	No Change; No Repair Needed; Good; 291
GRNVL18R	11/19/2014 11:04	51.8	34.4	0	13.8	-4.68		94	34		-21.54	No Change; No Repair Needed; Good; 291
GRNVL18R	12/5/2014 10:14	57.6	33.1	0	9.3	-6.51		96	20		-16.49	No Change; No Repair Needed; Good; 295
GRNVL18R	12/18/2014 10:08	57.3	36.3	0	6.4	-7.89		95	34		-17.35	No Change; No Repair Needed; Good; 295
GRNVL26R	12/3/2013 13:44	59.9	40	0	0.1	-4.9	-5.6	104	20	17	-7.17	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL26R	12/3/2013 13:48	59.3	40.6	0	0.1	-5.5	-5.4	104	19	16	-6.89	No Change made in Valve Position
GRNVL26R	12/17/2013 10:47	59.2	40.7	0	0.1	-3.6	-3.8	101	2		-4.65	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	12/17/2013 10:50	59.3	39.9	0.7	0.1	-3.7	-3.6	101	6		-4.47	No Change made in Valve Position
GRNVL26R	1/15/2014 9:59	61.7	37.1	0.1	1.1	-1.64	-1.81	98	29	35	-4.83	No Change; None; Good; 149753
GRNVL26R	1/29/2014 12:06	42.5	29.1	0.6	27.8	-12.17	-11	98	34	32	-15.36	Slightly Closed; None; Good; 151081
GRNVL26R	1/29/2014 12:07	43.3	33.6	0.2	22.9	-10.57	-10.31	98	33	31	-16.57	2nd Reading; None; Good
GRNVL26R	2/11/2014 10:58	51.1	31.6	0.4	16.9	-8.93	-8.89	95	26	22	-13.76	No Change; None; Good; 152018
GRNVL26R	3/11/2014 10:43	58.5	35.4	0.3	5.8	-5.13	-5.13	101	23	20	-7.59	No Change; None; Good; 153637
GRNVL26R	3/26/2014 10:02	56.1	34.7	0.4	8.8	-10.31	-9.97	100	26	26	-14.06	No Change; None; Good; 153637
GRNVL26R	4/9/2014 9:14	52.1	35.8	0.4	11.7	-12.55	-12.47	101	35	31	-18.25	No Change; No Repair Needed; Good; 153637
GRNVL26R	5/29/2014 9:43	52.2	35.8	0.1	11.9	-13.42	-13.46	103	34	30	-20.02	No Change; No Repair Needed; Good; 155993
GRNVL26R	6/9/2014 12:03	49.9	36	0.2	13.9	-13.03	-13.03	103	33	31	-18.59	No Change; No Repair Needed; Good; 156599
GRNVL26R	6/24/2014 9:05	48	36.4	0	15.6	-9.66	-9.66	102	24	28	-13.11	No Change; No Repair Needed; Good; 156909
GRNVL26R	7/14/2014 11:31	54.2	37.3	0	8.5	-8.32	-8.27	102	28	30	-23.29	No Change; No Repair Needed; Good; 156909
GRNVL26R	7/28/2014 10:24	50.2	36.9	0	12.9	-9.23	-9.23	102	20	21	-24.08	No Change; No Repair Needed; Good; 156938
GRNVL26R	8/12/2014 9:23	49.9	35.8	0	14.3	-9.32	-9.36	103	29	27	-25.64	No Change; No Repair Needed; Good; 156954
GRNVL26R	8/27/2014 9:01	53.7	35.6	0	10.7	-9.28	-9.28	103	29	32	-24.9	No Change; No Repair Needed; Good; 156954
GRNVL26R	9/10/2014 10:25	54	36.3	0	9.7	-9.36	-9.36	103	29	27	-25.9	No Change; No Repair Needed; Good; 156954
GRNVL26R	9/25/2014 8:53	52.7	36.6	0	10.7	-9.35	-9.35	101	27	24	-25.35	No Change; No Repair Needed; Good; 156954
GRNVL26R	10/9/2014 10:17	55	35.4	0.1	9.5	-9.23	-9.58	101	19	27	-22.83	Slightly Open; No Repair Needed; Good; 156954

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL26R	10/9/2014 10:18	55.3	36.8	0	7.9	-9.92	-9.92	101	33	30	-22.87	2nd Reading; No Repair Needed; Good
GRNVL26R	10/23/2014 9:12	52.9	36.2	0	10.9	-10.66		100	20		-23.09	No Change; No Repair Needed; Good; 156954
GRNVL26R	11/5/2014 9:01	49.9	34.2	0	15.9	-11.69		99	35		-24.77	No Change; No Repair Needed; Good; 156954
GRNVL26R	11/19/2014 10:02	53.5	35	0	11.5	-5.91		96	20		-12.43	No Change; No Repair Needed; Good; 156954
GRNVL26R	12/5/2014 9:12	56.1	36.8	0	7.1	-7.16		97	13		-15.88	No Change; No Repair Needed; Good; 156954
GRNVL26R	12/18/2014 9:10	55.9	36.5	0	7.6	-10.31		98	25		-19.51	No Change; No Repair Needed; Good; 156954
GRNVL32R	12/3/2013 15:43	59.1	38.6	0	2.3	-4.7	-4.9	130			-5.63	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL32R	12/3/2013 15:46	59.3	38.2	0.5	2	-4.9	-4.7	133	26	27	-5.65	No Change made in Valve Position; HOV (140 deg. F)
GRNVL32R	12/17/2013 14:10	59.6	38.7	0.2	1.5	-3.4	-3.5	127	11	10	-3.88	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL32R	12/17/2013 14:12	60.4	38.8	0	0.8	-3.7	-3.6	130	16	13	-3.85	No Change made in Valve Position
GRNVL32R	1/15/2014 11:30	59	37.4	0.3	3.3	-1.82	-1.88	110	0	32	-1.38	No Change; None; Good
GRNVL32R	1/29/2014 13:48	41.9	30.4	0.4	27.3	-2.12	-2.19	58	8	4	-1.77	Slightly Closed; None; Good; 357850
GRNVL32R	1/29/2014 13:49	37.5	30.6	1.6	30.3	-2.04	-2.06	58	4	7	-2.03	2nd Reading; None; Fair
GRNVL32R	2/11/2014 12:58	55.4	34.2	0.1	10.3	-8.93	-9.28	64	14	23	-8.84	No Change; None; Good; 388317
GRNVL32R	3/11/2014 12:42	59.9	35.7	0.2	4.2	-5.48	-5.48	124	17	13	-5.57	No Change; None; Good; 613352
GRNVL32R	3/26/2014 12:20	55.8	36.5	0.3	7.4	-12.9	-12.94	125	16	15	-13.85	No Change; None; Good; 613352
GRNVL32R	4/9/2014 11:43	56.8	37.3	0.7	5.2	-14.97	-15.01	126	17	14	-15.92	No Change; No Repair Needed; Good; 613352
GRNVL32R	5/29/2014 13:08	54.6	36.8	0	8.6	-18.85	-18.9	129	24	26	-21.01	No Change; No Repair Needed; Good; 613352
GRNVL32R	6/9/2014 13:10	52.6	36.6	0.1	10.7	-15.44	-15.75	129	19	22	-16.65	No Change; No Repair Needed; Good
GRNVL32R	6/24/2014 11:56	52.9	37	0.1	10	-12.08	-12.08	129	17	18	-12.77	No Change; No Repair Needed; Good; 613352
GRNVL32R	7/14/2014 12:42	52.9	36	0	11.1	-20.16	-20.34	129	19	28	-21.91	No Change; No Repair Needed; Good; 613352
GRNVL32R	7/28/2014 12:14	51.3	35.1	0	13.6	-16.09	-16.09	128	23	23	-17.91	No Change; No Repair Needed; Good; 613352
GRNVL32R	8/12/2014 11:46	51.5	36.4	0	12.1	-21.57	-21.53	129	24	29	-24.17	No Change; No Repair Needed; Good; 613352
GRNVL32R	8/27/2014 11:32	54	35.1	0.1	10.8	-21.14	-21.05	130	33	28	-23.78	No Change; No Repair Needed; Good; 613352
GRNVL32R	9/10/2014 12:23	54.1	35.6	0	10.3	-21.57	-21.27	129	32	27	-24.86	No Change; No Repair Needed; Good; 613352
GRNVL32R	9/25/2014 11:04	54	34	0.1	11.9	-21.15	-21.37	128	31	30	-23.9	No Change; No Repair Needed; Good; 613352
GRNVL32R	10/9/2014 11:27	55.5	37.2	0.1	7.2	-20.1	-20.06	128	27	28	-23.13	No Change; No Repair Needed; Good; 613352
GRNVL32R	10/23/2014 10:20	54.1	37.2	0	8.7	-19.28		127	30		-21.88	No Change; No Repair Needed; Good; 613352
GRNVL32R	11/5/2014 10:57	50.7	35.4	0.1	13.8	-21.83		127	32		-23.74	No Change; No Repair Needed; Good; 645685
GRNVL32R	11/19/2014 11:07	50.7	35.7	0.3	13.3	-18.64		126	36		-21.62	No Change; No Repair Needed; Good; 724662
GRNVL32R	12/5/2014 10:17	56.4	36.1	0.4	7.1	-14.75		126	24		-16.57	No Change; No Repair Needed; Good; 725049
GRNVL32R	12/18/2014 10:12	57.3	36.6	0.3	5.8	-16.74		125	20		-18.08	No Change; No Repair Needed; Good; 844703
GRNVL38R	12/3/2013 16:02	61	36.7	0	2.3	-0.5	-1.2	127	25		-5.95	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn; HOV (140 deg. F)
GRNVL38R	12/3/2013 16:04	61.2	37.3	0	1.5	-1.4	-1.4	135	26	25	-5.66	No Change made in Valve Position
GRNVL38R	12/17/2013 14:45	61.5	37.7	0	0.8	-0.4	-0.8	130	28	28	-3.86	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 deg. F)
GRNVL38R	12/17/2013 14:48	60.1	38.3	0	1.6	-1.1	-1	134	5	11	-4.16	No Change made in Valve Position
GRNVL38R	1/15/2014 11:22	55.9	36.6	0	7.5	-0.26	-0.45	122	21	14	-2.46	No Change; None; Good; 24808
GRNVL38R	1/29/2014 13:37	22.7	16.3	7.7	53.3	-2.52	-2.16	100	8	4	-9.19	Slightly Closed; Repair Air Pump; Fair; 24914
GRNVL38R	1/29/2014 13:39	24	17.3	6.7	52	-1.7	-1.7	98	4	4	-8.33	2nd Reading; Repair Air Pump; Fair
GRNVL38R	1/29/2014 13:52	28.8	25.7	4.4	41.1	-1.13	-1.13	92	2	0	-2.8	No Change; Repair Air Pump; Fair
GRNVL38R	2/11/2014 12:25	0.1	3.5	21	75.4	-0.02	-0.02	76	0	0	-15.36	No Change; None; Fair
GRNVL38R	2/11/2014 12:26	0.1	1.5	21.5	76.9	-0.03	-0.02	76	3	0	-5.18	2nd Reading; Repair Air Pump; Fair
GRNVL38R	2/26/2014 11:56	57.3	28	0.7	14	-0.93	-0.94	46	11	11	-13.33	No Change; None; Good; 24947

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL38R	3/11/2014 12:49	65.8	34.1	0	0.1	-0.87	-0.9	74	18	18	-6.17	No Change; None; Good; 24947
GRNVL38R	3/26/2014 12:31	51.7	35.5	0	12.8	-3.37	-3.37	129	7	6	-11.73	No Change; None; Good; 24947
GRNVL38R	4/9/2014 11:37	60.1	35.6	0	4.3	-3.34	-3.43	126	7	7	-16.95	Slightly Open; No Repair Needed; Good; 24947
GRNVL38R	4/9/2014 11:37	60.8	37.5	0	1.7	-3.51	-3.5	128	5	8	-15.92	2nd Reading; No Repair Needed; Good
GRNVL38R	5/29/2014 12:55	41.1	33.4	0	25.5	-3.85	-3.19	132	16	4	-15.62	Slightly Closed; No Repair Needed; Good; 24947
GRNVL38R	5/29/2014 12:56	40.7	35.2	0	24.1	-2.85	-2.84	126	10	9	-16.95	2nd Reading; No Repair Needed; Good
GRNVL38R	6/9/2014 13:15	53	33.5	0	13.5	-1.12	-1.1	104	8	6	-15.62	No Change; No Repair Needed; Good; 24947
GRNVL38R	6/24/2014 10:32	55.7	34.5	0	9.8	-0.7	-0.72	103	5	4	-18.85	No Change; No Repair Needed; Good; 24947
GRNVL38R	7/14/2014 12:29	57.9	34	0	8.1	-0.46	-0.46	98	0	0	-14.98	No Change; No Repair Needed; Good; 24947
GRNVL38R	7/28/2014 12:19	49.3	34.5	0	16.2	-1.09	-1.09	89	6	6	-15.84	No Change; No Repair Needed; Good; 24947
GRNVL38R	8/12/2014 11:40	59	32.5	0	8.5	-0.4	-0.56	96	0	0	-19.21	Slightly Open; No Repair Needed; Good; 24947
GRNVL38R	8/12/2014 11:41	59.8	34.9	0	5.3	-0.67	-0.69	102	0	0	-20.37	2nd Reading; No Repair Needed; Good
GRNVL38R	8/27/2014 11:43	55	34.9	0	10.1	-0.98	-0.97	125	4	7	-17.95	No Change; Pump Maintenance Required; Good; 24947
GRNVL38R	9/10/2014 12:31	50.5	34.6	0	14.9	-1.17	-1.16	119	5	4	-20.11	No Change; No Repair Needed; Good; 24947
GRNVL38R	9/25/2014 11:11	50.3	35	0	14.7	-1.25	-1.24	119	8	8	-17.33	No Change; No Repair Needed; Good; 24947
GRNVL38R	10/9/2014 12:17	53.7	35.1	0	11.2	-1.75	-1.73	116	11	8	-20.11	No Change; No Repair Needed; Good; 24947
GRNVL38R	10/23/2014 11:44	44.4	33.9	0.1	21.6	-1.47	-1.45	114	8	6	-17.57	Slightly Closed; No Repair Needed; Good; 24947
GRNVL38R	10/23/2014 11:45	44.6	33.6	0	21.8	-1.12		110	6		-19.94	2nd Reading; No Repair Needed; Good
GRNVL38R	11/5/2014 12:25	51.7	34.2	0.9	13.2	-0.4		61	12		-19.9	No Change; No Repair Needed; Good; counter removed
GRNVL38R	11/19/2014 12:06	62.3	33.7	0	4	0.8	-0.02	50	0	17	-9.32	Slightly Open; No Repair Needed; Good
GRNVL38R	11/19/2014 12:07	63.2	33.9	0	2.9	-0.31		87	10		-9.32	2nd Reading; No Repair Needed; Good
GRNVL38R	12/5/2014 11:39	51.8	34.2	0	14	-2.58		129	30		-15.71	No Change; No Repair Needed; Good
GRNVL38R	12/18/2014 11:34	55.7	34	0	10.3	-3.04		129	0		-15.02	No Change; No Repair Needed; Good
GRNVL41R	12/4/2013 15:56	60.3	33.3	0.9	5.5	-8.3	-9.7	61	16	12	-16.78	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL41R	12/4/2013 16:01	63.3	35	0	1.7	-9.9	-9.9	60	15	13	-16.68	No Change made in Valve Position
GRNVL41R	12/18/2013 10:08	62.3	37.6	0	0.1	-4.2	-5.3	43			-6.54	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL41R	12/18/2013 10:12	63.2	36	0.6	0.2	-5.2	-5.4	43			-6.49	No Change made in Valve Position
GRNVL41R	1/15/2014 9:13	63.8	34.7	0	1.5	-13.07	-13.07	48	7	21	-15.19	No Change; None; Good
GRNVL41R	1/29/2014 10:17	57	31.3	0.2	11.5	-20.32	-20.75	55	22	19	-27.18	No Change; None; Good
GRNVL41R	2/11/2014 9:37	64	33.7	0.1	2.2	-17.52	-17.39	53	24	14	-21.79	No Change; None; Good
GRNVL41R	2/26/2014 9:12	61.2	33	0.4	5.4	-13.5	-13.5	55	10	17	-16.87	No Change; None; Good
GRNVL41R	3/11/2014 10:12	63.5	35.4	0.1	1	-6.82	-6.82	60	9	13	-7.98	No Change; None; Good
GRNVL41R	3/26/2014 9:34	63.3	36.6	0.1	0	-13.2	-13.24	59	0	0	-15.83	No Change; None; Good
GRNVL41R	4/9/2014 8:46	62.7	34	0.1	3.2	-15.79	-15.79	69	14	14	-15.88	No Change; No Repair Needed; Good
GRNVL41R	5/29/2014 8:58	62.1	37.9	0	0	6.77	6.77	81	0	0	6.82	2nd Reading; No Repair Needed; Good
GRNVL41R	5/29/2014 14:29	60	37.3	0.1	2.6	-17.17	-17.52	85	16	19	-17.95	No Change; No Repair Needed; Good
GRNVL41R	6/9/2014 10:51	51.6	32.4	0.2	15.8	-20.36	-20.45	90	15	14	-20.71	No Change; No Repair Needed; Good
GRNVL41R	6/24/2014 8:31	45.4	29.6	0.8	24.2	-20.53	-17.6	94	10	11	-20.71	Slightly Closed; No Repair Needed; Good
GRNVL41R	6/24/2014 8:33	45.7	29.9	0.6	23.8	-16.57	-16.57	94	9	15	-20.97	2nd Reading; No Repair Needed; Good
GRNVL41R	7/14/2014 10:16	47	34.6	0	18.4	-18.74	-16.54	95	9	11	-26.3	Slightly Closed; No Repair Needed; Good
GRNVL41R	7/14/2014 10:17	47.4	32.4	0	20.2	-15.21	-15.17	95	12	11	-26.17	2nd Reading; No Repair Needed; Good
GRNVL41R	7/28/2014 9:59	49.2	33.3	0.1	17.4	-13.68	-13.72	89	13	11	-26.93	No Change; No Repair Needed; Good
GRNVL41R	8/12/2014 8:54	51.5	33.2	0	15.3	-12.68	-12.77	91	13	13	-26.07	No Change; No Repair Needed; Good
GRNVL41R	8/27/2014 8:30	53.9	33.8	0.1	12.2	-12.34	-12.34	92	14	13	-26.2	No Change; No Repair Needed; Good
GRNVL41R	9/10/2014 9:55	56.9	34.5	0	8.6	-12.17	-13.16	90	14	12	-26.33	Slightly Open; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL41R	9/10/2014 9:55	57.5	34.6	0	7.9	-14.15	-14.11	90	14	13	-26.97	2nd Reading; No Repair Needed; Good
GRNVL41R	9/25/2014 8:32	49.2	37.5	0.1	13.2	-14.82	-14.82	85	11	11	-26.33	No Change; No Repair Needed; Good
GRNVL41R	10/9/2014 10:03	54.1	32.1	0.3	13.5	-14.54	-14.54	80	18	16	-26.24	No Change; No Repair Needed; Good
GRNVL41R	10/23/2014 8:53	52.4	28.3	0.5	18.8	-14.45		72	11		-26.72	No Change; No Repair Needed; Good
GRNVL41R	11/5/2014 8:46	50.5	36.3	0	13.2	-14.54		69	18		-26.93	No Change; No Repair Needed; Good
GRNVL41R	11/19/2014 9:29	53	33.2	0.2	13.6	-8.33		52	6		-13.85	No Change; No Repair Needed; Good
GRNVL41R	12/5/2014 8:57	55.6	34.9	0.2	9.3	-9.97		54	12		-18.95	No Change; No Repair Needed; Good
GRNVL41R	12/18/2014 8:55	55.3	33.2	0.2	11.3	-11.22		51	10		-19.77	No Change; No Repair Needed; Good
GRNVL43R	12/4/2013 16:04	62.2	37.6	0	0.2	-14.8	-16.4	62	82	12	-16.62	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL43R	12/4/2013 16:08	61.6	38.3	0	0.1	-16.6	-16.6	61	10	5	-16.71	No Change made in Valve Position
GRNVL43R	12/18/2013 10:18	1	1	20.4	77.6	-2	-1.5	34	18	13	-6.47	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVL43R	12/18/2013 10:21	0.8	0.7	20.8	77.7	-1.7	-1.5	34	12	13	-6.53	No Change made in Valve Position; Valve Barely Open
GRNVL43R	12/23/2013 16:20	1.4	1.1	20.3	77.2	-5.3	-10.4	43	35	53	-25.17	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL43R	12/23/2013 16:22	3.9	2.8	19.3	74	-10	-10	43	54	54	-25.38	No Change made in Valve Position
GRNVL43R	1/15/2014 9:17	35.4	25	8.2	31.4	-16.52	-16.65	34	19	9	-16.48	Slightly Closed; None; Fair
GRNVL43R	1/15/2014 9:19	47.3	31.1	4.2	17.4	-16.87	-16.78	34	17	22	-17.86	2nd Reading; None; Fair
GRNVL43R	1/29/2014 10:28	48.9	30.5	3.3	17.3	-26.53	-26.23	20	16	19	-26.27	No Change; None; Good
GRNVL43R	2/11/2014 9:42	11.5	13.9	17.1	57.5	-22.04	-22.78	22	21	0	-23.12	Slightly Closed; None; Fair
GRNVL43R	2/11/2014 9:43	14.6	11.9	16.5	57	-22.09	-22.35	22	0	0	-22.43	2nd Reading; None; Fair
GRNVL43R	2/26/2014 9:17	41.5	30.4	6.5	21.6	-16.82	-17.04	33	0	0	-16.91	Slightly Closed; None; Fair
GRNVL43R	2/26/2014 9:19	45	29.9	4.8	20.3	-17.52	-17.17	33	0	0	-17.26	2nd Reading; None; Fair
GRNVL43R	3/11/2014 10:15	31.8	21.8	9.5	36.9	-7.89	-7.89	63	8	4	-7.64	Slightly Closed; None; Fair
GRNVL43R	3/11/2014 10:16	36.2	25.6	8.3	29.9	-7.85	-7.89	63	10	14	-7.64	2nd Reading; None; Fair
GRNVL43R	3/26/2014 9:37	16.2	14.1	15.5	54.2	-16.09	-15.96	37	0	0	-15.79	Slightly Closed; None; Fair
GRNVL43R	3/26/2014 9:38	31.2	19.1	10.5	39.2	-16.05	-16.01	39	0	0	-15.83	2nd Reading; None; Fair
GRNVL43R	4/9/2014 8:49	24.5	22.8	11.7	41	-17.52	-17.56	58	0	0	-17.26	Slightly Closed; No Repair Needed; Fair
GRNVL43R	4/9/2014 8:50	50.4	39.5	1.8	8.3	-19.76	-19.72	58	4	6	-19.46	2nd Reading; No Repair Needed; Fair
GRNVL43R	5/29/2014 9:00	61.3	38.7	0	0	6.9	6.9	72	5	5	6.6	No Change; No Repair Needed; Good
GRNVL43R	5/29/2014 9:01	61.5	38.5	0	0	7.16	7.16	72	6	5	6.9	2nd Reading; No Repair Needed; Good
GRNVL43R	5/29/2014 14:21	40.5	30.4	4.9	24.2	-17.52	-17.52	84	10	10	-17.56	No Change; No Repair Needed; Good
GRNVL43R	6/9/2014 10:53	34.5	25.9	8.1	31.5	-20.79	-20.79	82	4	4	-20.58	Slightly Closed; No Repair Needed; Fair; remote restricted
GRNVL43R	6/9/2014 10:54	29.8	23.3	10.2	36.7	-21.01	-20.75	83	7	7	-20.58	2nd Reading; No Repair Needed; Fair
GRNVL43R	6/9/2014 14:13	40.8	29.9	4.7	24.6	-19.24	-19.24	84	5	5	-21.1	No Change; No Repair Needed; Fair
GRNVL43R	6/24/2014 8:36	55.1	39.6	1	4.3	-8.67	-8.63	83	0	0	-20.97	No Change; No Repair Needed; Fair; remote restricted
GRNVL43R	7/14/2014 10:22	44.3	31	4.9	19.8	-25.55	-25.55	77	1	2	-26.17	No Change; No Repair Needed; Fair; remote restricted
GRNVL43R	7/28/2014 10:02	57.9	38.1	0.8	3.2	-26.49	-26.57	75	0	0	-26.67	No Change; No Repair Needed; Fair; remote restricted
GRNVL43R	8/12/2014 8:58	46.8	28.1	4.9	20.2	-27.01	-27.01	83	2	2	-26.67	No Change; No Repair Needed; Fair; remote restricted
GRNVL43R	8/27/2014 8:35	44.5	28.6	4.9	22	-27.18	-26.92	82	5	5	-26.2	No Change; No Repair Needed; Fair; remote restricted
GRNVL43R	9/10/2014 9:59	45.7	29.5	4.6	20.2	-26.92	-27.05	86	6	6	-26.67	No Change; No Repair Needed; Fair; remote restricted
GRNVL43R	9/25/2014 8:36	41.8	31	4.9	22.3	-26.88	-26.84	72	0	0	-26.46	No Change; No Repair Needed; Fair; remote restricted
GRNVL43R	10/9/2014 9:55	62.4	35	0.5	2.1	-0.13	-0.83	67	11	5	-27.67	Slightly Open; No Repair Needed; Good
GRNVL43R	10/9/2014 9:56	61.3	37.2	0.2	1.3	-5.13	-6.17	66	7	5	-26.59	2nd Reading; No Repair Needed; Good
GRNVL43R	10/23/2014 8:47	10.2	8.1	18	63.7	-26.88	-26.88	50	0	0	-27.06	Slightly Closed; No Repair Needed; Fair

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL43R	10/23/2014 8:48	11.2	6.5	18.2	64.1	-26.92		49	3		-26.72	2nd Reading; No Repair Needed; Fair
GRNVL43R	11/5/2014 8:42	56.6	30.5	1.8	11.1	-0.14		54	8		-26.63	No Change; No Repair Needed; Fair
GRNVL43R	11/19/2014 9:23	8.3	8.4	18.9	64.4	-14.19	-14.58	31	0	0	-17	Slightly Closed; No Repair Needed; Fair
GRNVL43R	11/19/2014 9:25	57.9	38.8	0.4	2.9	-16.57		32	0		-15.93	2nd Reading; No Repair Needed; Fair
GRNVL43R	12/5/2014 8:53	54	33.7	1.5	10.8	-16.7		43	14		-18.26	No Change; No Repair Needed; Good
GRNVL43R	12/18/2014 8:50	57.8	32.9	0.8	8.5	-15.49		30	0		-19.94	No Change; No Repair Needed; Fair
GRNVL44R	12/4/2013 16:12	22.7	15.2	12.5	49.6	-1	-5.1	57	25	41	-16.75	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVL44R	12/4/2013 16:15	14.4	10.5	15.5	59.6	-5.3	-0.1	58	36	22	-16.93	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL44R	12/4/2013 16:18	32.8	22.8	8.9	35.5	-0.1	-0.1	57	17	18	-16.93	No Change made in Valve Position; Valve Barely Open
GRNVL44R	12/18/2013 10:26	48.3	34.2	1.1	16.4	0.1	-0.1	38			-6.41	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL44R	12/18/2013 10:29	37.6	27.8	5.6	29	-0.1	-0.1	38			-6.48	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVL44R	12/18/2013 10:31	34.6	25.6	6.8	33	-0.3	-0.1	38			-6.39	No Change made in Valve Position
GRNVL44R	1/15/2014 9:22	17.6	21.9	10.8	49.7	-1.36	-0.17	38	23	0	-17.34	Slightly Closed; None; Fair
GRNVL44R	1/15/2014 9:23	17.4	21.4	11	50.2	-0.13	-0.08	34	11	16	-17.43	2nd Reading; None; Fair
GRNVL44R	1/29/2014 10:20	58.1	35.5	0.1	6.3	-25.5	-25.19	22	24	20	-27.61	No Change; None; Good
GRNVL44R	2/11/2014 9:45	50.6	28.2	4.7	16.5	-22.69	-22.69	22	0	0	-22.82	No Change; None; Fair
GRNVL44R	2/26/2014 9:21	18.8	17	14.3	49.9	-16.65	-16.61	28	0	0	-16.82	Slightly Closed; None; Fair
GRNVL44R	2/26/2014 9:23	20.9	16	13.9	49.2	-16.95	-17	28	0	0	-16.91	2nd Reading; None; Fair
GRNVL44R	3/11/2014 10:25	45.5	30.4	4.9	19.2	-8.2	-8.2	64	8	6	-7.98	No Change; None; Fair
GRNVL44R	3/26/2014 9:43	27.2	19.6	11.7	41.5	-16.01	-16.01	28	0	0	-15.75	Slightly Closed; None; Fair
GRNVL44R	3/26/2014 9:44	28.3	20.1	11.4	40.2	-16.05	-16.01	28	4	0	-15.83	2nd Reading; None; Fair
GRNVL44R	4/9/2014 8:54	25.5	24.8	2.5	47.2	-21.44	-21.4	54	7	0	-21.14	Slightly Closed; No Repair Needed; Fair
GRNVL44R	4/9/2014 8:55	28.9	27.9	1.3	41.9	-21.44	-21.44	53	5	2	-21.14	2nd Reading; No Repair Needed; Fair
GRNVL44R	5/29/2014 9:03	60.7	38.5	0	0.8	7.16	7.16	72	4	3	7.25	No Change; No Repair Needed; Good
GRNVL44R	5/29/2014 9:04	61.9	38.1	0	0	7.25	7.25	72	6	7	6.95	2nd Reading; No Repair Needed; Good
GRNVL44R	5/29/2014 14:25	38.5	29	4.9	27.6	-17.86	-17.9	85	9	13	-18.46	No Change; No Repair Needed; Good
GRNVL44R	6/9/2014 10:59	41.1	30.1	4.9	23.9	-20.79	-20.66	80	7	8	-20.58	No Change; No Repair Needed; Fair
GRNVL44R	6/24/2014 8:46	41.2	30.4	4.9	23.5	-20.84	-21.05	83	1	2	-20.66	No Change; No Repair Needed; Fair; remote restricted
GRNVL44R	7/14/2014 10:27	35.5	29.5	4.6	30.4	-26.24	-26.24	76	0	0	-26.17	No Change; No Repair Needed; Fair; remote restricted
GRNVL44R	7/28/2014 10:04	28.9	30	1.6	39.5	-26.92	-26.57	74	6	0	-26.63	Slightly Closed; No Repair Needed; Fair
GRNVL44R	7/28/2014 10:05	28.7	29.4	1.9	40	-26.14	-26.14	74	0	0	-26.59	2nd Reading; No Repair Needed; Fair
GRNVL44R	8/12/2014 9:00	27.9	28.6	1.3	42.2	-26.57	-26.57	79	6	5	-25.9	Slightly Closed; No Repair Needed; Fair; remote restricted
GRNVL44R	8/12/2014 9:03	24.8	23.6	4.9	46.7	-27.35	-26.66	81	0	0	-27.02	2nd Reading; No Repair Needed; Fair
GRNVL44R	8/27/2014 8:37	49.5	35.3	0.5	14.7	-26.92	-26.92	79	7	7	-26.5	No Change; No Repair Needed; Good
GRNVL44R	9/10/2014 10:06	38.5	26.7	4.6	30.2	-27.74	-27.26	83	7	7	-27.71	No Change; No Repair Needed; Fair; remote restricted
GRNVL44R	9/25/2014 8:38	37.6	30.1	4.5	27.8	-26.5	-26.2	66	0	0	-25.95	No Change; No Repair Needed; Fair; remote restricted
GRNVL44R	10/9/2014 9:59	1.6	6.2	20.5	71.7	-26.83	-26.83	72	0	7	-26.63	Slightly Closed; No Repair Needed; Fair
GRNVL44R	10/9/2014 10:00	1.5	1.4	21.2	75.9	-26.57	-26.53	73	5	4	-26.28	2nd Reading; No Repair Needed; Fair
GRNVL44R	10/23/2014 8:50	27.3	21.2	9.7	41.8	-22.04	-21.44	48	6	5	-26.85	Slightly Closed; No Repair Needed; Fair
GRNVL44R	10/23/2014 8:51	27.7	21.5	9.5	41.3	-17.77		48	7		-26.37	2nd Reading; No Repair Needed; Fair
GRNVL44R	11/5/2014 8:44	52.3	34.4	1.4	11.9	-0.68		53	12		-26.63	No Change; No Repair Needed; Fair
GRNVL44R	11/19/2014 9:27	41.4	34.4	4.2	20	-0.67		33	0		-14.37	No Change; No Repair Needed; Fair

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL44R	12/5/2014 8:55	42	35.4	3.1	19.5	-0.2		44	0		-18.3	No Change; No Repair Needed; Fair
GRNVL44R	12/18/2014 8:52	23.5	22.2	9.9	44.4	-1.66	-1.62	30	0	0	-20.03	Slightly Closed; No Repair Needed; Fair
GRNVL44R	12/18/2014 8:53	34	27.9	4.7	33.4	-3.26		28	0		-19.42	2nd Reading; No Repair Needed; Fair; meter putting vacuum on well
GRNVL47R	12/4/2013 15:39	59.8	39.9	0.1	0.2	-16.5	-16.5	66	19	15	-16.6	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL47R	12/4/2013 15:42	60.4	39.5	0	0.1	-16.5	-16.5	66	6	8	-16.53	No Change made in Valve Position
GRNVL47R	12/18/2013 9:51	60.1	39.8	0	0.1	-6.3	-6.3	37			-6.67	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL47R	12/18/2013 9:54	56.6	38.1	0.4	4.9	-6.5	-6.4	38			-6.5	No Change made in Valve Position
GRNVL47R	1/15/2014 8:40	61.1	34.1	0.1	4.7	-17.43	-17.43	36	33	32	-16.91	No Change; None; Good
GRNVL47R	1/29/2014 10:05	1.9	11.1	19.5	67.5	-28.6	-26.57	20	0	0	-29.03	Slightly Closed; None; Fair
GRNVL47R	1/29/2014 10:06	1.5	7.2	20.6	70.7	-26.92	-26.53	20	0	0	-27.61	2nd Reading; None; Fair
GRNVL47R	2/11/2014 9:29	16.3	12.4	15.5	55.8	-22.78	-21.4	18	0	0	-23.47	Slightly Closed; None; Fair
GRNVL47R	2/11/2014 9:30	20.2	14.4	14.8	50.6	-22.35	-22.35	18	0	0	-23.43	2nd Reading; None; Fair
GRNVL47R	2/26/2014 9:03	7.5	14	17.7	60.8	-16.65	-16.7	34	0	0	-16.57	Slightly Closed; None; Fair
GRNVL47R	2/26/2014 9:04	9.7	12.5	17.6	60.2	-16.65	-16.65	34	0	0	-16.78	2nd Reading; None; Fair
GRNVL47R	3/11/2014 10:04	24	18.3	12.4	45.3	-11.99	-12.04	60	0	0	-11.73	Slightly Closed; None; Fair
GRNVL47R	3/11/2014 10:05	24.3	17.2	12.6	45.9	-12.99	-12.94	60	3	5	-11.73	2nd Reading; None; Fair
GRNVL47R	3/26/2014 9:26	19	22.1	12.5	46.4	-0.69	-0.72	47	0	0	-15.88	No Change; None; Fair; valve barely cracked
GRNVL47R	3/26/2014 9:27	19.1	20.1	12.6	48.2	-1.14	-1.2	49	0	4	-15.88	2nd Reading; None; Fair
GRNVL47R	4/9/2014 8:37	12.9	18.3	13.9	54.9	-1.38	-1.42	66	4	2	-16.82	Slightly Closed; No Repair Needed; Fair
GRNVL47R	4/9/2014 8:38	13.3	18.3	14.1	54.3	-2.49	-2.53	63	3	3	-16.87	2nd Reading; No Repair Needed; Fair; meter putting vacuum on well
GRNVL47R	4/24/2014 8:40	11.8	19.3	12.8	56.1	-1.48	-1.47	53	7	7	-27.01	No Change; No Repair Needed; Fair; valve barely cracked
GRNVL47R	4/24/2014 8:42	11.6	20.8	12.6	55	-3.5	-3.51	52	6	7	-27.01	2nd Reading; No Repair Needed; Fair; meter putting vacuum on well
GRNVL47R	5/28/2014 11:17	55	32.5	1.5	11	-0.1	-0.09	94	11	12	-16.26	No Change; No Repair Needed; Good
GRNVL47R	6/9/2014 10:41	61.4	38.6	0	0	4.91	-0.98	88	14	8	-20.15	Slightly Open; No Repair Needed; Good
GRNVL47R	6/9/2014 10:42	61.7	38.3	0	0	-2.96	-2.94	88	12	11	-20.28	2nd Reading; No Repair Needed; Good
GRNVL47R	6/24/2014 8:23	61.4	35.7	0	2.9	-16.61	-17.86	82	0	0	-20.71	No Change; No Repair Needed; Fair; remote watered in
GRNVL47R	7/14/2014 10:09	60.1	36.2	0.1	3.6	-21.41	-21.76	78	0	0	-26.04	No Change; No Repair Needed; Fair; remote watered in
GRNVL47R	7/28/2014 9:51	20.5	14.8	14	50.7	-26.14	-26.23	80	0	0	-26.24	Slightly Closed; No Repair Needed; Fair; remote restricted
GRNVL47R	7/28/2014 9:52	2.8	7.6	20.3	69.3	-26.57	-26.57	81	0	0	-26.67	2nd Reading; No Repair Needed; Fair; remote restricted
GRNVL47R	7/28/2014 13:09	44	28.4	4.9	22.7	-27.14	-26.83	82	0	0	-27.19	No Change; No Repair Needed; Fair; remote restricted
GRNVL47R	8/12/2014 8:45	13.6	8.7	16.5	61.2	-27.61	-27.35	79	5	3	-26.89	Slightly Closed; No Repair Needed; Fair; remote restricted
GRNVL47R	8/12/2014 8:46	11.5	7.4	17.2	63.9	-10.4	-11.04	79	0	0	-26.97	2nd Reading; No Repair Needed; Fair
GRNVL47R	8/27/2014 8:21	5.5	14	11.7	68.8	-27.61	-27.96	78	2	5	-25.51	Slightly Closed; No Repair Needed; Fair; remote restricted
GRNVL47R	8/27/2014 8:22	5.2	13.4	11.9	69.5	-32.01	-32.01	75	7	6	-25.85	2nd Reading; No Repair Needed; Fair; remote restricted
GRNVL47R	9/10/2014 9:46	3.9	16	11.1	69	-1.9	-1.91	84	0	0	-26.28	Slightly Closed; No Repair Needed; Fair; remote restricted
GRNVL47R	9/10/2014 9:47	2.7	14.9	11.5	70.9	-3.75	-3.74	84	0	0	-26.33	2nd Reading; No Repair Needed; Fair; meter putting vacuum on well
GRNVL47R	9/25/2014 8:25	2.4	14.9	15.1	67.6	-2.29	-2.28	71	0	0	-24.93	No Change; No Repair Needed; Fair; remote restricted

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL47R	9/25/2014 8:25	1.8	12.4	15.5	70.3	-3.97	-3.97	71	0	0	-26.29	2nd Reading; No Repair Needed; Fair; remote restricted
GRNVL47R	10/9/2014 9:43	60.5	37.2	0	2.3	6.3	-6.82	68	0	13	-26.24	Slightly Open; No Repair Needed; Good
GRNVL47R	10/9/2014 14:57	61	35.7	0.4	2.9	-9.23	-9.23	74	26	27	-26.33	No Change; No Repair Needed; Good
GRNVL47R	10/23/2014 8:35	57.2	35.9	0.1	6.8	-11.04		54	0		-26.37	No Change; No Repair Needed; Fair; surging
GRNVL47R	11/5/2014 8:29	57.6	35.1	0	7.3	-16.35		55	11		-26.97	No Change; No Repair Needed; Good
GRNVL47R	12/5/2014 8:34	57.2	36.1	0.1	6.6	-12.68		49	0		-16.1	No Change; No Repair Needed; Fair; remote restricted
GRNVL47R	12/18/2014 8:38	58.4	36.8	0.1	4.7	-15.62	-18.29	37	0	0	-19.77	Slightly Open; No Repair Needed; Good; remote restricted
GRNVL47R	12/18/2014 8:39	58.1	37	0.1	4.8	-19.76		31	0		-19.46	2nd Reading; No Repair Needed; Good; remote restricted
GRNVL49R	12/4/2013 14:03	61.7	38	0.2	0.1	-14.6	-14.7	102	24	22	-15.02	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL49R	12/4/2013 14:05	60.8	39	0.1	0.1	-14.9	-14.9	102	23	24	-15.19	No Change made in Valve Position
GRNVL49R	12/18/2013 12:12	60.6	38.5	0.7	0.2	-5.7	-5.9	91	34	32	-6.06	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL49R	12/18/2013 12:15	61	38	0.8	0.2	-5.9	-5.9	90	31	32	-6.04	No Change made in Valve Position
GRNVL49R	1/15/2014 8:45	62.9	34.1	0	3	-15.96	-16.35	45	0	0	-15.92	No Change; None; Good
GRNVL49R	1/29/2014 10:01	63	33.2	0	3.8	-26.23	-25.84	42	29	31	-27.31	No Change; None; Good
GRNVL49R	2/11/2014 9:25	63.4	35.1	0	1.5	-21.66	-22	45	25	27	-22.43	No Change; None; Good
GRNVL49R	2/26/2014 9:00	60.6	33.6	0.1	5.7	-16.13	-16.13	96	23	25	-16.48	No Change; None; Good
GRNVL49R	3/11/2014 10:00	62.4	36.7	0	0.9	-10.96	-10.96	98	22	20	-11.09	No Change; None; Good
GRNVL49R	3/26/2014 9:23	62.6	36.2	0	1.2	-15.62	-15.62	97	25	24	-15.88	No Change; None; Good
GRNVL49R	4/9/2014 8:35	62.7	36.3	0	1	-17.52	-17.52	100	21	22	-17.6	No Change; No Repair Needed; Good
GRNVL49R	5/29/2014 8:47	63.4	36.6	0	0	2.88	2.88	95	0	0	2.76	No Change; Good; vacuum isolated
GRNVL49R	5/29/2014 8:48	62.8	36.5	0	0.7	3.22	3.24	94	0	0	3.11	2nd Reading; No Repair Needed; Good
GRNVL49R	5/29/2014 14:37	62.5	37.5	0	0	-17.17	-17.17	103	21	20	-17.56	No Change; No Repair Needed; Good
GRNVL49R	6/9/2014 10:44	62.3	37.7	0	0	-20.53	-20.32	101	23	20	-20.36	No Change; No Repair Needed; Good
GRNVL49R	6/24/2014 8:20	62.2	37.8	0	0	-20.71	-20.71	101	17	16	-20.75	No Change; No Repair Needed; Good
GRNVL49R	7/14/2014 10:06	60.1	37.4	0	2.5	-26.54	-26.24	101	19	19	-26.22	No Change; No Repair Needed; Good
GRNVL49R	7/28/2014 9:48	61.1	36.8	0	2.1	-26.49	-26.14	102	20	20	-26.24	No Change; No Repair Needed; Good
GRNVL49R	8/12/2014 8:42	61.5	37.5	0	1	-26.66	-26.32	103	20	19	-26.59	No Change; No Repair Needed; Good
GRNVL49R	8/27/2014 8:19	61.2	36.7	0	2.1	-26.83	-26.23	104	17	19	-26.2	No Change; No Repair Needed; Good; needs pump
GRNVL49R	9/10/2014 9:44	61.1	37.1	0	1.8	-26.57	-26.57	104	18	18	-26.28	No Change; No Repair Needed; Good
GRNVL49R	9/25/2014 8:22	58.8	38.6	0	2.6	-26.54	-26.5	103	16	16	-26.29	No Change; No Repair Needed; Good; 4385
GRNVL49R	10/9/2014 9:45	60.4	37.8	0	1.8	-26.19	-26.23	102	19	18	-26.28	No Change; No Repair Needed; Good; 4663
GRNVL49R	10/23/2014 8:37	59.9	38.1	0	2	-26.53		101	17		-26.33	No Change; No Repair Needed; Fair; 4688; force main restricted
GRNVL49R	11/5/2014 8:31	59.5	37.2	0.1	3.2	-26.88		101	21		-26.63	No Change; No Repair Needed; Fair; 4689; force main restricted
GRNVL49R	11/19/2014 9:13	58.4	27.5	1.5	12.6	-14.15		97	40		-14.37	No Change; No Repair Needed; Fair; 4692; force main restricted
GRNVL49R	12/5/2014 8:36	60.2	37.4	0	2.4	-15.96		101	0		-15.88	No Change; No Repair Needed; Fair; 4813; force main restricted
GRNVL49R	12/18/2014 8:41	58.3	37	0	4.7	-19.97		99	14		-20.03	No Change; No Repair Needed; Good; 5411; force main restricted
GRNVL52R	12/4/2013 15:07	69.4	30.4	0.1	0.1	-10.7	-13.2	125	16	16	-15.89	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL52R	12/4/2013 15:11	69.9	29.9	0.1	0.1	-13.5	-13.4	128	15	15	-15.98	No Change made in Valve Position
GRNVL52R	12/18/2013 9:32	69.4	30.3	0.1	0.2	-5.5	-6	112	21	12	-6.3	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL52R	12/18/2013 9:36	69.8	30.1	0	0.1	-6	-5.9	113	13	10	-6.48	No Change made in Valve Position
GRNVL52R	1/15/2014 8:48	67.1	32.6	0	0.3	-15.62	-15.49	50	20	15	-17	No Change; None; Good; 41479
GRNVL52R	1/29/2014 9:40	64.7	28.9	0.1	6.3	-24.55	-24.5	63	23	18	-27.61	No Change; None; Good; 50294
GRNVL52R	2/11/2014 9:15	68.4	30.7	0	0.9	-21.05	-21.05	61	18	18	-23.81	No Change; None; Good; 52569
GRNVL52R	2/26/2014 8:41	67.6	29.9	0	2.5	-15.79	-15.83	118	24	24	-16.65	No Change; None; Good; 58747
GRNVL52R	3/11/2014 9:46	66	33.7	0	0.3	-10.96	-10.96	124	16	15	-12.47	No Change; None; Good; 66854
GRNVL52R	3/26/2014 9:10	66	32.9	0	1.1	-15.14	-15.14	117	13	11	-16.05	No Change; None; Good; 70281
GRNVL52R	4/9/2014 8:19	66.2	33.5	0	0.3	-16.05	-16.01	123	13	10	-16.91	No Change; No Repair Needed; Good; 73170
GRNVL52R	5/29/2014 8:33	62.7	34.1	0.6	2.6	-16.26	-16.22	120	15	11	-17.56	No Change; No Repair Needed; Good; 77799
GRNVL52R	6/9/2014 10:32	64.6	34	0	1.4	-19.28	-19.24	124	14	15	-20.58	No Change; No Repair Needed; Good
GRNVL52R	6/24/2014 8:09	65.1	34.5	0	0.4	-13.11	-13.11	121	6	11	-13.93	No Change; No Repair Needed; Good; 77799
GRNVL52R	7/14/2014 9:57	63	35.3	0	1.7	-26.24	-25.85	122	19	19	-26	No Change; No Repair Needed; Good; 77799
GRNVL52R	7/28/2014 9:38	62.6	35.4	0	2	-26.19	-26.53	122	19	18	-26.33	No Change; No Repair Needed; Good; 77799
GRNVL52R	8/12/2014 8:32	62.1	35	0	2.9	-26.66	-26.57	121	19	18	-26.54	No Change; No Repair Needed; Good; 77799
GRNVL52R	8/27/2014 8:12	62.8	34.8	0	2.4	-26.49	-26.49	123	19	22	-26.15	No Change; No Repair Needed; Good; 77799
GRNVL52R	9/10/2014 9:34	63.2	36.2	0	0.6	-26.96	-26.57	121	24	20	-27.36	No Change; Needs New Counter; Good; 77799
GRNVL52R	9/25/2014 8:14	62	37	0	1	-26.15	-26.15	121	22	21	-26.46	No Change; No Repair Needed; Good; 41141
GRNVL52R	10/9/2014 9:35	63.5	34.7	0	1.8	-26.23	-26.19	123	21	21	-26.28	No Change; No Repair Needed; Good; 56953
GRNVL52R	10/23/2014 8:28	61.3	33.4	0.2	5.1	-26.23		119	17		-26.72	No Change; No Repair Needed; Good; 59460
GRNVL52R	11/5/2014 8:22	61	35	0	4	-26.57		119	25		-26.72	No Change; No Repair Needed; Good; counter removed
GRNVL52R	11/19/2014 9:03	63.1	31.4	0	5.5	-26.27		117	18		-26.63	No Change; No Repair Needed; Good
GRNVL52R	12/5/2014 8:26	59.5	34.3	0	6.2	-16.13		117	12		-16.18	No Change; No Repair Needed; Good
GRNVL52R	12/18/2014 8:30	57.2	34	0	8.8	-20.06		116	17		-19.94	No Change; No Repair Needed; Good
GRNVL54R	12/4/2013 14:53	66.2	33.5	0.2	0.1	-15.6	-15.7	123	17	12	-16.16	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL54R	12/4/2013 14:56	66	33.7	0.1	0.2	-15.5	-15.6	123	15	14	-15.93	No Change made in Valve Position
GRNVL54R	12/18/2013 9:09	66.2	33.7	0	0.1	-6.6	-6.6	114	7	27	-6.77	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL54R	12/18/2013 9:11	65.6	34.3	0	0.1	-6.5	-6.6	115		11	-6.66	No Change made in Valve Position
GRNVL54R	1/15/2014 8:55	66.1	31.6	0.1	2.2	-16.18	-16.35	114	37	40	-16.48	No Change; None; Good; 458059
GRNVL54R	1/29/2014 9:37	57.9	29.7	1	11.4	-26.23	-26.19	114	19	27	-26.92	No Change; None; Good; 458061
GRNVL54R	2/11/2014 9:10	67.4	28.3	0.3	4	-21.66	-22.69	110	16	12	-21.74	No Change; None; Good; 458061
GRNVL54R	2/26/2014 8:38	63.8	29.7	0.3	6.2	-16.48	-16.52	111	16	19	-16.61	No Change; None; Good; 458061
GRNVL54R	3/11/2014 9:44	66.4	31.4	0.3	1.9	-12.34	-12.34	116	35	34	-12.47	No Change; None; Good; 458061
GRNVL54R	3/26/2014 9:07	66.3	30.2	0.5	3	-15.62	-15.62	114	41	41	-16.13	No Change; None; Good; 458061
GRNVL54R	4/9/2014 8:16	65	32.6	0.2	2.2	-17.17	-17.17	112	28	27	-17.26	No Change; No Repair Needed; Good; 458061
GRNVL54R	5/29/2014 8:30	66.5	33.5	0	0	2.16	2.16	78	0	0	2.11	No Change; No Repair Needed; Good; 458061; vacuum isolated
GRNVL54R	5/29/2014 8:30	67	33	0	0	2.16	2.16	78	0	0	2.11	2nd Reading; No Repair Needed; Good
GRNVL54R	6/9/2014 10:30	67.1	31.8	0	1.1	-20.49	-20.66	115	17	16	-20.58	No Change; No Repair Needed; Good; 458061
GRNVL54R	6/24/2014 8:06	58.6	30.1	0.1	11.2	-14.15	-14.06	112	34	34	-14.15	No Change; Needs New Regulator; Good; 458061
GRNVL54R	7/14/2014 9:54	56.5	28.8	0	14.7	-26.2	-26.2	114	18	13	-26.13	No Change; Needs New Regulator; Good; 458061
GRNVL54R	7/28/2014 9:36	49.3	26.9	0	23.8	-26.88	-26.49	115	11	16	-26.97	No Change; No Repair Needed; Good; 458061
GRNVL54R	8/12/2014 8:29	42.4	23.8	2.2	31.6	-26.57	-26.57	117	19	17	-26.46	Slightly Closed; No Repair Needed; Good; 350690
GRNVL54R	8/12/2014 8:30	41.9	23.9	2.3	31.9	-26.66	-26.96	118	20	20	-26.59	2nd Reading; No Repair Needed; Good
GRNVL54R	8/27/2014 8:08	45.3	25.1	3.2	26.4	-23.73	-18.21	122	21	7	-26.54	Slightly Closed; No Repair Needed; Fair; 375828
GRNVL54R	8/27/2014 8:09	47.4	25.9	2.1	24.6	-15.1	-15.1	119	8	8	-26.46	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL54R	9/10/2014 9:30	64.5	33.3	0.1	2.1	-1.3	-1.63	106	8	8	-26.63	Slightly Open; No Repair Needed; Good; 399765
GRNVL54R	9/10/2014 9:31	63.2	33.5	0.5	2.8	-2.61	-2.64	112	24	30	-26.63	2nd Reading; No Repair Needed; Good
GRNVL54R	9/25/2014 8:10	64.5	32.8	0.2	2.5	-0.93	-2.22	116	18	31	-26.63	Slightly Open; No Repair Needed; Good; 417826
GRNVL54R	9/25/2014 8:11	59.1	36	0.9	4	-3.88	-3.88	123	32	31	-26.42	2nd Reading; No Repair Needed; Good
GRNVL54R	10/9/2014 9:32	57.2	28.4	1.1	13.3	-10.66	-11.6	118	37	33	-26.63	Slightly Open; No Repair Needed; Good; 434139
GRNVL54R	10/9/2014 9:33	55.8	29.7	1.3	13.2	-12.55	-12.47	119	18	16	-26.93	2nd Reading; No Repair Needed; Good
GRNVL54R	10/23/2014 8:25	53.3	28.1	0.6	18	-13.59		116	14		-26.72	No Change; No Repair Needed; Good; 434160
GRNVL54R	11/5/2014 8:19	52.1	25	0.4	22.5	-11.91		114	18		-26.97	No Change; No Repair Needed; Good; 439011
GRNVL54R	11/19/2014 8:59	58.3	26	0.9	14.8	-9.97	-11.04	112	30	43	-27.02	Slightly Open; No Repair Needed; Good; 439011
GRNVL54R	11/19/2014 9:01	55.4	28.9	1.2	14.5	-13.55		115	42		-26.67	2nd Reading; No Repair Needed; Good
GRNVL54R	12/5/2014 8:23	57.5	29.7	0.8	12	-9.62		116	36		-16.23	No Change; No Repair Needed; Good; 472801
GRNVL54R	12/18/2014 8:28	57.1	30.8	0.6	11.5	-9.62		121	35		-20.37	No Change; No Repair Needed; Good
GRNVL59R	6/9/2014 10:15	65.4	34.6	0	0	-20.66	-20.45	102	11	11	-20.58	No Change; No Repair Needed; Good
GRNVL59R	6/24/2014 7:49	65.2	34.6	0	0.2	-20.62	-20.49	103	6	6	-20.53	No Change; No Repair Needed; Good; needs pump
GRNVL59R	7/14/2014 9:41	61.4	38	0	0.6	-25.98	-25.89	103	9	8	-26.39	No Change; No Repair Needed; Good
GRNVL59R	7/28/2014 9:23	62.4	37.6	0	0	-26.83	-26.49	103	8	10	-27.15	No Change; No Repair Needed; Good
GRNVL59R	8/12/2014 8:15	63.2	36.2	0	0.6	-26.57	-26.62	103	23	27	-26.67	No Change; No Repair Needed; Good; needs pump
GRNVL59R	8/27/2014 7:56	62.5	36.4	0	1.1	-26.19	-26.23	103	16	14	-25.85	No Change; No Repair Needed; Fair; needs pump
GRNVL59R	9/10/2014 9:19	63	36.2	0	0.8	-25.88	-25.88	116	12	12	-26.8	No Change; No Repair Needed; Good; 9504
GRNVL59R	9/25/2014 8:00	53.4	38.1	1	7.5	-19.04	-19	102	10	6	-26.63	No Change; No Repair Needed; Good; 28473
GRNVL59R	10/9/2014 9:21	62.7	37	0	0.3	-18.55	-21.44	108	10	11	-26.97	Slightly Open; Pump Maintenance Required; Good; 38166
GRNVL59R	10/9/2014 9:21	64	36	0	0	-25.11	-25.11	110	13	13	-26.97	2nd Reading; No Repair Needed; Good
GRNVL59R	10/23/2014 8:15	62.5	37.3	0	0.2	-22.43	-24.16	111	10	14	-27.02	Slightly Open; No Repair Needed; Good; 43285
GRNVL59R	10/23/2014 8:16	63.1	36.9	0	0	-25.88		113	23		-26.72	2nd Reading; No Repair Needed; Good
GRNVL59R	11/5/2014 8:07	57.7	36.1	0	6.2	-26.57		106	11		-26.8	No Change; No Repair Needed; Good; 70268
GRNVL59R	11/19/2014 8:45	57.5	38.1	0.3	4.1	-26.57		111	10		-27.71	No Change; No Repair Needed; Good; 82795
GRNVL59R	12/5/2014 8:12	56.9	32.6	0.1	10.4	-14.15		107	26		-16.23	No Change; Pump Maintenance Required; Good; 110762
GRNVL59R	12/18/2014 8:15	57.9	39.4	0.5	2.2	-17.77		100	5		-19.68	No Change; Pump Maintenance Required; Good; 116803
GRNVL60R	6/9/2014 10:17	62.1	37	0	0.9	-18.25	-18.25	85	11	13	-20.36	No Change; No Repair Needed; Good
GRNVL60R	6/24/2014 7:51	60.8	38.6	0	0.6	-17.26	-17.26	90	12	6	-20.66	No Change; No Repair Needed; Good; needs pump
GRNVL60R	7/14/2014 9:43	56.6	36.3	0	7.1	-20.47	-20.42	94	9	10	-26.3	No Change; No Repair Needed; Good
GRNVL60R	7/28/2014 9:25	50.7	35.8	0	13.5	-19.84	-19.84	93	8	7	-26.63	No Change; No Repair Needed; Good
GRNVL60R	8/12/2014 8:17	47.9	35.2	0	16.9	-19.67	-18.98	95	7	10	-26.59	Slightly Closed; No Repair Needed; Good
GRNVL60R	8/12/2014 8:18	48.1	36	0	15.9	-17.21	-17.26	94	10	9	-26.28	2nd Reading; No Repair Needed; Good
GRNVL60R	8/27/2014 7:58	51.8	35.4	0	12.8	-15.1	-15.1	93	10	10	-26.15	No Change; No Repair Needed; Good
GRNVL60R	9/10/2014 9:22	50.4	35.8	0.1	13.7	-15.1	-15.14	93	10	11	-26.76	No Change; No Repair Needed; Good
GRNVL60R	9/25/2014 8:02	48.1	34	0.1	17.8	-14.43	-14.17	87	10	7	-26.59	No Change; No Repair Needed; Good
GRNVL60R	10/9/2014 9:23	47.9	33.1	0.1	18.9	-13.37	-13.24	86	13	11	-26.28	Slightly Closed; No Repair Needed; Good
GRNVL60R	10/9/2014 9:24	47.8	33.7	0	18.5	-12.21	-12.17	85	11	12	-26.63	2nd Reading; No Repair Needed; Good
GRNVL60R	10/23/2014 8:17	48.8	34.2	0.1	16.9	-10.66		77	8		-26.37	No Change; No Repair Needed; Good
GRNVL60R	11/5/2014 8:09	46.3	31.3	0	22.4	-10.61	-10.31	75	15	11	-26.8	Slightly Closed; No Repair Needed; Good
GRNVL60R	11/5/2014 8:10	45.5	32.6	0	21.9	-8.93		75	16		-26.97	2nd Reading; No Repair Needed; Good
GRNVL60R	11/19/2014 8:50	54.5	34	0.3	11.2	-6.6		51	0		-26.59	No Change; No Repair Needed; Good
GRNVL60R	12/5/2014 8:14	56.9	35.4	0	7.7	-4.21		59	10		-16.06	No Change; No Repair Needed; Good
GRNVL60R	12/18/2014 8:17	57.5	34.7	0	7.8	-5.13	-5.52	48	9	6	-20.46	Slightly Open; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL60R	12/18/2014 8:18	57.5	36.1	0	6.4	-7.94		50	11		-20.37	2nd Reading; No Repair Needed; Good
GRNVL64R	12/18/2013 11:58	58.9	39.5	1.4	0.2	-6.2	-6.4	48	16	17	-6.19	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL64R	12/18/2013 12:00	61.4	37.4	0.6	0.6	-6.3	-6.3	52	42	54	-6.24	No Change made in Valve Position
GRNVL64R	12/23/2013 15:07	60.3	39.6	0	0.1	-31.2	-31.6	64		15	-14.09	No Change made in Valve Position
GRNVL64R	1/29/2014 9:26	61.3	35.1	0	3.6	21.79	22	18	20	23	21.66	No Change; None; Fair
GRNVL64R	1/29/2014 9:27	61.2	38.8	0	0	27.14	26.75	18	16	9	26.92	2nd Reading; None; Fair
GRNVL64R	2/11/2014 8:54	62.3	33.4	0.2	4.1	-22.35	-21.35	19	41	54	-22.43	No Change; None; Good
GRNVL64R	2/26/2014 8:29	63.7	32.6	0.1	3.6	-16.82	-16.82	65	43	47	-16.87	No Change; None; Good
GRNVL64R	3/11/2014 9:35	57.1	38	0.2	4.7	-13.76	-13.72	76	0	0	-13.11	No Change; None; Good
GRNVL64R	3/26/2014 8:54	59.7	37.6	0	2.7	-16.05	-15.88	69	18	18	-15.88	No Change; None; Good
GRNVL64R	4/9/2014 8:07	59.6	38.2	0	2.2	-16.78	-16.74	70	14	10	-16.52	No Change; No Repair Needed; Fair
GRNVL64R	5/28/2014 11:05	61.7	36	0.3	2	-17.26	-17.56	89	0	0	-17.56	No Change; No Repair Needed; Good
GRNVLHW1	12/3/2013 14:17	62.1	37.7	0	0.2	0	-0.1	58	2	11	-5.96	Inc Flow/Vacuum; Opened greater than 1 turn
GRNVLHW1	12/3/2013 14:21	52	35.5	2	10.5	-0.2	-0.2	62	14	13	-6.1	No Change made in Valve Position
GRNVLHW1	12/17/2013 11:45	38	25.7	6.3	30	0	-0.2	57			-3.85	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW1	12/17/2013 13:22	33.5	21.1	7.9	37.5	-0.3	0	58	25	13	-3.93	Dec Flow/Vacuum; Fully Closed; Closed greater than 1 turn
GRNVLHW1	12/17/2013 13:24	33.2	21.9	7.5	37.4	0	0	55	13	12	-4.13	No Change made in Valve Position; Closed for AORP
GRNVLHW1	1/15/2014 10:10	61.9	35.5	0.1	2.5	-0.01	-0.04	38	4	0	-0.91	No Change; None; Fair
GRNVLHW1	1/29/2014 12:16	19.9	21.8	8.9	49.4	-0.01	-0.01	33	1	1	-13.93	No Change; None; Fair
GRNVLHW1	1/29/2014 12:17	20.5	17.8	9.3	52.4	-0.01	-0.01	33	4	8	-13.46	2nd Reading; None; Fair
GRNVLHW1	2/11/2014 11:06	65.5	34.2	0	0.3	0.02	-0.01	30	6	8	-13.03	Slightly Open; None; Good
GRNVLHW1	2/11/2014 11:07	65.5	33.2	0	1.3	-0.03	-0.03	30	9	12	-11.09	2nd Reading; None; Good
GRNVLHW1	3/11/2014 10:50	45.8	29	4.7	20.5	-0.01	-0.01	50	10	5	-6.95	No Change; None; Fair
GRNVLHW1	3/26/2014 10:12	34	27.6	6.8	31.6	-0.01	-0.02	48	4	7	-13.59	No Change; None; Fair
GRNVLHW1	3/26/2014 10:13	33	27.1	7	32.9	-0.03	-0.02	48	5	7	-13.46	2nd Reading; None; Fair
GRNVLHW1	4/9/2014 9:24	30.6	22.8	7.9	38.7	-0.05	-0.02	55	8	6	-15.44	Slightly Closed; No Repair Needed; Fair
GRNVLHW1	4/9/2014 9:25	31.2	22.8	8	38	-0.02	-0.02	54	6	7	-15.31	2nd Reading; No Repair Needed; Fair
GRNVLHW1	4/24/2014 8:52	63.9	35.3	0	0.8	-0.02	-0.02	55	9	10	-12.68	No Change; No Repair Needed; Good
GRNVLHW1	5/29/2014 9:58	30.5	25.2	4.5	39.8	-0.05	-0.06	72	13	10	-18.77	No Change; No Repair Needed; Good
GRNVLHW1	6/9/2014 12:13	25.7	23.8	4	46.5	-0.04	-0.03	76	13	9	-17.99	No Change; No Repair Needed; Fair
GRNVLHW1	6/24/2014 9:17	27.9	27.4	1.7	43	-0.05	-0.04	81	7	8	-16.31	No Change; No Repair Needed; Fair
GRNVLHW1	7/14/2014 11:41	15.6	22.2	4.5	57.7	-0.04	-0.03	84	6	9	-21.52	Slightly Closed; No Repair Needed; Fair
GRNVLHW1	7/14/2014 11:42	13.7	20.4	4.4	61.5	-0.01	-0.04	84	4	9	-23.72	2nd Reading; No Repair Needed; Fair
GRNVLHW1	7/28/2014 10:35	48.4	35.5	0	16.1	-0.01	-0.01	79	0	0	-23.87	No Change; No Repair Needed; Good
GRNVLHW1	8/12/2014 9:35	55.2	36.4	0	8.4	-0.01	-0.01	86	6	5	-24.86	No Change; No Repair Needed; Good
GRNVLHW1	8/27/2014 9:12	60.6	36.4	0	3	0	-0.02	87	7	8	-25.38	Slightly Open; No Repair Needed; Good
GRNVLHW1	8/27/2014 9:13	59.5	37.1	0	3.4	-0.02	-0.01	85	9	9	-24.17	2nd Reading; No Repair Needed; Good
GRNVLHW1	9/10/2014 10:35	54.2	36	0	9.8	-0.03	-0.03	83	10	10	-25.21	No Change; No Repair Needed; Good
GRNVLHW1	9/25/2014 9:03	38.9	34.5	0.6	26	-0.02	-0.02	77	35	35	-24.24	No Change; No Repair Needed; Fair
GRNVLHW1	10/9/2014 10:28	47.5	34.4	0	18.1	-0.03	-0.03	74	14	11	-22.53	No Change; No Repair Needed; Good
GRNVLHW1	10/23/2014 9:22	49.9	35	0.3	14.8	-0.02		70	10		-22.53	No Change; No Repair Needed; Good
GRNVLHW1	11/5/2014 9:11	38.8	31.9	1.1	28.2	-0.03		65	4		-24.82	No Change; No Repair Needed; Fair; valve barely cracked
GRNVLHW1	11/19/2014 10:11	60.2	36.1	0	3.7	0.07	-0.01	53	6	9	-11.09	Slightly Open; No Repair Needed; Good
GRNVLHW1	11/19/2014 10:12	61	36.4	0	2.6	-0.04		59	17		-13.51	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLHW1	12/5/2014 9:22	39.9	30.3	4.9	24.9	-0.03		59	9		-15.24	No Change; No Repair Needed; Good
GRNVLHW1	12/18/2014 9:18	40.6	31.8	3.4	24.2	-0.03		51	10		-18.86	No Change; No Repair Needed; Fair; valve barely cracked
GRNVLHW2	12/3/2013 13:37	61	38.9	0	0.1	0.1	-0.2	64	11	21	-7.21	Inc Flow/Vacuum; Opened greater than 1 turn
GRNVLHW2	12/3/2013 13:40	60.8	39	0	0.2	-0.2	-0.2	62	21	21	-6.93	No Change made in Valve Position; Valve Barely Open
GRNVLHW2	12/17/2013 10:43	16.2	10	15.6	58.2	-0.6	-0.1	52	3		-4.56	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLHW2	12/17/2013 11:51	27.9	17.6	11.3	43.2	0	0.1	51			-4.35	Dec Flow/Vacuum; Fully Closed; Mod. closed less than 1/2 turn
GRNVLHW2	12/17/2013 11:53	27.5	18.7	10.4	43.4	0	0	48			-4.29	No Change made in Valve Position; Closed for AORP
GRNVLHW2	1/15/2014 9:53	31.5	22.9	10.1	35.5	-0.09	-0.07	40	0	0	-4.87	No Change; None; Fair
GRNVLHW2	1/15/2014 9:55	30.3	21.4	10.7	37.6	-0.14	-0.15	40	0	0	-3.45	2nd Reading; None; Fair
GRNVLHW2	1/29/2014 12:02	1.7	10.9	18.4	69	-0.01	-0.01	34	0	0	-17	No Change; None; Fair
GRNVLHW2	1/29/2014 12:03	0.3	3.5	20.3	75.9	-0.01	-0.01	34	0	0	-16.82	2nd Reading; None; Fair
GRNVLHW2	2/11/2014 10:55	29.3	19.3	10.6	40.8	0.01	-0.04	30	5	8	-11.69	Slightly Open; None; Good
GRNVLHW2	2/11/2014 10:55	33.2	19.8	9.7	37.3	-0.1	-0.12	30	13	16	-9.02	2nd Reading; None; Fair
GRNVLHW2	2/26/2014 12:00	17.6	17.5	13.4	51.5	-0.04	-0.05	44	0	0	-14.5	Slightly Closed; None; Fair
GRNVLHW2	2/26/2014 12:00	16.6	14	14.4	55	-0.04	-0.03	44	23	24	-14.11	2nd Reading; None; Fair
GRNVLHW2	3/11/2014 10:39	10	16.2	16.8	57	-0.15	-0.14	69	0	0	-7.16	Slightly Closed; None; Fair
GRNVLHW2	3/11/2014 10:40	8.5	7.1	18.4	66	-0.15	-0.16	70	2	2	-7.25	2nd Reading; None; Fair
GRNVLHW2	3/26/2014 9:59	32.4	26.1	8.5	33	-0.01	-0.01	40	0	2	-13.98	No Change; None; Fair
GRNVLHW2	3/26/2014 9:59	32.9	24.1	8.7	34.3	-0.02	-0.02	44	5	5	-13.98	2nd Reading; None; Fair
GRNVLHW2	4/9/2014 9:10	3	2.5	20.7	73.8	-0.04	-0.04	62	0	0	-15.14	No Change; No Repair Needed; Fair
GRNVLHW2	4/9/2014 9:11	3.3	2	20.9	73.8	-0.03	-0.03	64	2	4	-14.88	2nd Reading; No Repair Needed; Fair
GRNVLHW2	4/24/2014 8:48	58.2	36.6	0.6	4.6	-0.03	-0.01	51	8	8	-13.5	No Change; No Repair Needed; Good
GRNVLHW2	5/29/2014 9:39	11.8	13.1	12.1	63	-0.03	-0.04	74	8	7	-19.28	Slightly Closed; No Repair Needed; Fair
GRNVLHW2	5/29/2014 9:40	11.5	12.1	12.5	63.9	-0.03	-0.03	72	8	7	-19.28	2nd Reading; No Repair Needed; Fair
GRNVLHW2	6/9/2014 12:00	11.3	13.2	12.2	63.3	-0.01	-0.02	78	5	4	-18.38	Slightly Closed; No Repair Needed; Fair
GRNVLHW2	6/9/2014 12:01	11	11.7	12.3	65	-0.02	-0.02	77	6	6	-18.38	2nd Reading; No Repair Needed; Fair
GRNVLHW2	6/24/2014 9:03	38.7	28.4	4.5	28.4	-0.01	-0.01	83	6	4	-13.07	No Change; No Repair Needed; Fair
GRNVLHW2	7/14/2014 11:29	43.8	32.1	1	23.1	-0.01	-0.01	81	2	3	-23.81	No Change; No Repair Needed; Fair
GRNVLHW2	7/28/2014 10:21	21.5	27.7	1.3	49.5	-0.02	-0.02	80	3	2	-23.91	No Change; No Repair Needed; Fair
GRNVLHW2	8/12/2014 9:21	26.7	27.2	1.5	44.6	-0.02	-0.01	82	7	4	-25.25	No Change; No Repair Needed; Fair
GRNVLHW2	8/27/2014 8:57	24.6	27.5	1.5	46.4	-0.01	-0.02	82	8	7	-24.73	Slightly Closed; No Repair Needed; Fair
GRNVLHW2	8/27/2014 8:59	23.8	27.2	1.5	47.5	0	0	84	7	6	-25.21	2nd Reading; No Repair Needed; Fair; valve completely closed; decommission
GRNVLHW3	12/4/2013 14:18	41.5	25.5	5	28	-2.7	-1.9	71	24	18	-15.14	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLHW3	12/4/2013 14:21	39.3	25.6	5.6	29.5	-1.2	-1.3	70	19	17	-15.22	No Change made in Valve Position
GRNVLHW3	12/11/2013 9:42	63.1	36.6	0.2	0.1	0.2	-0.4	55	14	16	-5.44	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW3	12/11/2013 9:45	63.2	36.7	0	0.1	-0.8	-0.9	57	17	17	-5.69	No Change made in Valve Position; Surging
GRNVLHW3	12/18/2013 8:28	56	32.4	2	9.6	-1.8	-2	57	14	11	-6.73	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW3	12/18/2013 8:30	56.2	32.6	1.9	9.3	-2.1	-2.1	58	12	10	-6.8	No Change made in Valve Position
GRNVLHW3	1/15/2014 8:16	63.9	34.6	0	1.5	-0.59	-0.56	44	15	26	-3.02	No Change; None; Good
GRNVLHW3	1/29/2014 8:28	44.4	24.8	4.9	25.9	-1.85	-0.8	20	11	8	-3.8	Slightly Closed; None; Good
GRNVLHW3	1/29/2014 8:29	45.8	26	4.9	23.3	-0.38	-0.38	20	7	7	-2.63	2nd Reading; None; Good
GRNVLHW3	2/11/2014 8:18	63.2	35.3	0	1.5	-0.03	-0.1	18	89	98	-3.11	No Change; None; Good
GRNVLHW3	2/26/2014 7:48	62.4	36.4	0	1.2	2.02	2.04	36	0	0	2.07	No Change; None; Fair

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLHW3	2/26/2014 7:49	62.5	37.4	0	0.1	2.06	2.09	36	0	0	2.07	2nd Reading; None; Fair
GRNVLHW3	3/11/2014 9:04	65.3	34.7	0	0	-2.85	-3.05	55	20	15	-5.09	No Change; None; Good
GRNVLHW3	3/26/2014 8:05	42.3	25.1	5.7	26.9	-5.87	-4.75	52	17	7	-7.25	Slightly Closed; None; Good
GRNVLHW3	3/26/2014 8:06	42.7	26.9	5.7	24.7	-3.38	-3.34	48	6	6	-12.77	2nd Reading; None; Good
GRNVLHW3	3/26/2014 13:27	62	34.7	0.2	3.1	0.31	-0.04	56	6	9	-16.57	Slightly Open; None; Good
GRNVLHW3	3/26/2014 13:28	61.5	35.3	0	3.2	-0.41	-0.39	57	7	7	-16.18	2nd Reading; None; Good
GRNVLHW3	4/9/2014 7:33	62.5	36.2	0.2	1.1	-0.61	-0.73	57	11	9	-15.14	Slightly Open; No Repair Needed; Good
GRNVLHW3	4/9/2014 7:34	62.8	35.4	0.1	1.7	-1.05	-1.06	58	12	9	-14.41	2nd Reading; No Repair Needed; Good
GRNVLHW3	5/29/2014 9:14	62.2	37.8	0	0	1.62	1.62	74	5	5	-0.3	No Change; No Repair Needed; Good
GRNVLHW3	5/29/2014 9:15	61	39	0	0	1.62	1.62	74	7	5	-0.3	2nd Reading; No Repair Needed; Good
GRNVLHW3	6/9/2014 8:51	39.1	26.4	4.2	30.3	-15.14	-10.66	78	60	18	-19.84	Slightly Closed; No Repair Needed; Good
GRNVLHW3	6/9/2014 8:52	40.1	27	4.1	28.8	-5.87	-5.87	78	17	14	-20.36	2nd Reading; No Repair Needed; Good
GRNVLHW3	6/9/2014 13:44	34.6	22.3	6.3	36.8	-3.93	-2.53	81	18	5	-20.75	Slightly Closed; No Repair Needed; Fair
GRNVLHW3	6/9/2014 13:45	34.7	22.8	6.3	36.2	-1.4	-1.38	82	7	5	-21.1	2nd Reading; No Repair Needed; Fair
GRNVLHW3	6/24/2014 7:17	61.2	38.8	0	0	0.3	-0.02	79	7	5	-20.84	Slightly Open; No Repair Needed; Good
GRNVLHW3	6/24/2014 7:18	62	38	0	0	-0.14	-0.12	81	7	11	-21.1	2nd Reading; No Repair Needed; Good
GRNVLHW3	7/14/2014 9:13	37.4	29.4	3.1	30.1	-0.22	-0.01	83	7	0	-26.3	Slightly Closed; No Repair Needed; Fair
GRNVLHW3	7/14/2014 9:13	37.2	28.1	3.1	31.6	-0.04	-0.03	83	3	6	-26.17	2nd Reading; No Repair Needed; Good
GRNVLHW3	7/28/2014 8:52	56.3	35.9	0.1	7.7	-0.02	-0.02	79	5	5	-26.63	No Change; No Repair Needed; Good
GRNVLHW3	8/12/2014 7:45	45.8	31.5	3	19.7	-0.12	-0.05	80	6	3	-26.93	Slightly Closed; No Repair Needed; Good
GRNVLHW3	8/12/2014 7:46	46.1	30.7	3.1	20.1	-0.02	-0.02	80	5	5	-26.97	2nd Reading; No Repair Needed; Good
GRNVLHW3	8/27/2014 7:31	53.5	35.7	0.5	10.3	-0.02	-0.03	79	7	7	-27.02	No Change; No Repair Needed; Good
GRNVLHW3	9/10/2014 8:52	49	32.9	1.9	16.2	-0.23	-0.21	83	9	5	-26.97	No Change; No Repair Needed; Good
GRNVLHW3	9/25/2014 7:50	40.8	32.4	4.6	22.2	-0.12	-0.12	72	2	2	-27.06	No Change; No Repair Needed; Good
GRNVLHW3	10/9/2014 9:11	46.6	33.7	2.6	17.1	-0.1	-0.1	70	10	8	-26.63	No Change; No Repair Needed; Good
GRNVLHW3	10/23/2014 8:05	50.9	39.3	1.4	8.4	-0.19		62	6		-27.06	No Change; No Repair Needed; Good
GRNVLHW3	11/5/2014 7:54	46.6	33.5	2.7	17.2	-0.24	-0.18	61	9	8	-27.28	Slightly Closed; No Repair Needed; Good
GRNVLHW3	11/5/2014 7:55	47.8	30.4	2.8	19	-0.08		61	12		-27.23	2nd Reading; No Repair Needed; Good
GRNVLHW3	12/5/2014 8:00	60.4	39.6	0	0	1.07	-0.04	49	0	12	-16.23	Slightly Open; No Repair Needed; Good
GRNVLHW3	12/5/2014 8:01	62.6	37.2	0	0.2	-0.42		51	32		-17.09	2nd Reading; No Repair Needed; Good
GRNVLHW3	12/18/2014 8:06	50.7	35.7	2.4	11.2	-1.18		43	6		-21.1	No Change; No Repair Needed; Good
GRNVLHW4	12/4/2013 14:25	35.4	25.3	6.6	32.7	-2.8	-1.7	70	21	15	-15.92	Dec Flow/Vacuum; NSPS/EG CAI; Slightly Closed less than 1/4 turn
GRNVLHW4	12/4/2013 14:28	40.1	29.1	4.9	25.9	-0.9	-0.8	70	15	16	-15.84	No Change made in Valve Position
GRNVLHW4	12/18/2013 8:34	60.8	38.9	0.2	0.1	0.5	-1	47	15	30	-6.94	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW4	12/18/2013 8:37	60	39.8	0.1	0.1	-1.5	-1.6	52	35	7	-6.91	No Change made in Valve Position
GRNVLHW4	1/15/2014 8:19	62.3	37.7	0	0	-0.21	-0.24	44	6	10	-2.55	No Change; None; Good
GRNVLHW4	1/29/2014 8:34	36.1	24.8	7.4	31.7	-0.93	-0.41	41	8	7	-4.49	Slightly Closed; None; Fair
GRNVLHW4	1/29/2014 8:37	43	29.2	4.9	22.9	-0.01	-0.01	41	10	10	-4.87	2nd Reading; None; Good
GRNVLHW4	2/11/2014 8:22	62.6	36.6	0	0.8	-0.06	-0.07	38	29	30	-1.08	No Change; None; Good
GRNVLHW4	2/26/2014 7:52	62.4	37.6	0	0	1.77	1.73	38	0	0	1.68	No Change; None; Fair
GRNVLHW4	2/26/2014 7:52	62.1	37.9	0	0	1.73	1.72	39	0	0	1.64	2nd Reading; None; Fair
GRNVLHW4	3/11/2014 9:06	62.5	37.5	0	0	-3.82	-3.86	57	12	14	-5.91	No Change; None; Good
GRNVLHW4	3/26/2014 8:09	32.9	24.6	9	33.5	-9.62	-8.28	56	14	5	-12.34	Slightly Closed; None; Good
GRNVLHW4	3/26/2014 8:10	45.1	28.5	4.7	21.7	-6.17	-5.87	52	6	9	-13.37	2nd Reading; None; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLHW4	3/26/2014 13:31	55.2	34.5	1.6	8.7	-0.02	-0.01	59	7	7	-17.13	No Change; None; Good
GRNVLHW4	4/9/2014 7:37	57.7	36.4	1	4.9	-0.87	-0.84	59	10	12	-20.79	No Change; No Repair Needed; Good
GRNVLHW4	5/29/2014 9:18	60.7	39.3	0	0	1.87	1.87	75	8	9	0	No Change; No Repair Needed; Good
GRNVLHW4	5/29/2014 9:19	61.3	38.7	0	0	1.89	1.88	75	0	10	-0.17	2nd Reading; No Repair Needed; Good
GRNVLHW4	6/9/2014 9:01	43.1	31.4	1.8	23.7	-19.89	-19.28	80	26	20	-19.67	Slightly Closed; No Repair Needed; Good
GRNVLHW4	6/9/2014 9:02	44.8	33	1.9	20.3	-18.94	-18.94	80	20	20	-20.28	2nd Reading; No Repair Needed; Good
GRNVLHW4	6/9/2014 10:03	33.9	28.8	4.8	32.5	-19.33	-16.13	81	22	6	-20.58	Slightly Closed; No Repair Needed; Good
GRNVLHW4	6/9/2014 10:03	32.4	26.9	6.1	34.6	-13.76	-13.68	81	10	4	-20.71	Slightly Closed; No Repair Needed; Fair
GRNVLHW4	6/9/2014 10:05	32.4	27.2	5.6	34.8	-11.35	-11.35	81	8	10	-20.75	2nd Reading; No Repair Needed; Fair
GRNVLHW4	6/9/2014 13:52	51.2	37.1	0.5	11.2	-0.89	-0.9	84	10	11	-20.75	No Change; No Repair Needed; Good
GRNVLHW4	6/24/2014 7:27	57.1	38.4	0	4.5	-0.69	-0.82	84	11	9	-20.58	Slightly Open; No Repair Needed; Good
GRNVLHW4	6/24/2014 7:28	56.9	38.1	0	5	-1.32	-1.41	84	14	13	-21.23	2nd Reading; No Repair Needed; Good
GRNVLHW4	7/14/2014 9:21	39	32.6	0.9	27.5	-2.01	-1.15	88	11	3	-26.82	Slightly Closed; No Repair Needed; Good
GRNVLHW4	7/14/2014 9:22	38.9	32.3	0.9	27.9	-0.27	-0.24	86	4	6	-26.17	2nd Reading; No Repair Needed; Good
GRNVLHW4	7/28/2014 9:00	60.1	39	0	0.9	0.65	-0.01	77	8	8	-26.63	Slightly Open; No Repair Needed; Good
GRNVLHW4	7/28/2014 9:02	60.1	39.9	0	0	-0.51	-0.5	80	5	5	-27.06	2nd Reading; No Repair Needed; Good
GRNVLHW4	8/12/2014 7:54	58.7	37.7	0	3.6	-0.04	-0.14	82	4	7	-26.63	Slightly Open; No Repair Needed; Good
GRNVLHW4	8/12/2014 7:54	59.3	38.6	0	2.1	-0.34	-0.33	83	6	6	-27.54	2nd Reading; No Repair Needed; Good
GRNVLHW4	8/27/2014 7:38	52.5	36.7	0.3	10.5	-0.48	-0.49	83	10	12	-26.15	No Change; No Repair Needed; Good
GRNVLHW4	9/10/2014 8:59	52.4	35.8	0.3	11.5	-0.49	-0.48	84	10	10	-27.19	No Change; No Repair Needed; Good
GRNVLHW4	9/25/2014 7:43	49.4	35.4	0.9	14.3	-0.44	-0.44	72	10	6	-26.16	No Change; No Repair Needed; Good
GRNVLHW4	10/9/2014 9:04	50.8	34.6	0.6	14	-0.18	-0.16	69	13	9	-24.26	No Change; No Repair Needed; Good
GRNVLHW4	10/23/2014 7:57	51.4	36.2	0.6	11.8	-0.4		62	6		-27.75	No Change; No Repair Needed; Good
GRNVLHW4	11/5/2014 7:44	47.5	34.7	1.5	16.3	-0.45	-0.38	60	13	10	-27.15	Slightly Closed; No Repair Needed; Good
GRNVLHW4	11/5/2014 7:45	48	33.8	1.5	16.7	-0.24		61	16		-27.62	2nd Reading; No Repair Needed; Good
GRNVLHW4	11/19/2014 8:23	60.3	37.1	0	2.6	0.02	-0.04	41	9	15	-26.63	Slightly Open; No Repair Needed; Good
GRNVLHW4	11/19/2014 8:24	61.3	38.3	0	0.4	-0.54		44	11		-26.41	2nd Reading; No Repair Needed; Good
GRNVLHW4	12/5/2014 7:52	54.6	38.9	0.3	6.2	-1.31		50	11		-16.06	No Change; No Repair Needed; Good
GRNVLHW4	12/18/2014 7:59	50.1	33.7	3.1	13.1	-2.15		42	10		-20.33	No Change; No Repair Needed; Good
GRNVLHW5	12/4/2013 14:33	52.2	32.6	2.7	12.5	-2.3	-2.2	64	42	41	-16.13	No Change made in Valve Position
GRNVLHW5	12/18/2013 8:41	61	35.6	0.9	2.5	-1.5	-1.7	52	25	28	-6.74	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW5	12/18/2013 8:44	60.7	36.3	0.8	2.2	-1.7	-1.8	52	25	27	-6.58	No Change made in Valve Position
GRNVLHW5	1/15/2014 8:22	62.9	37.1	0	0	-0.71	-0.69	46	22	23	-2.5	No Change; None; Good
GRNVLHW5	1/29/2014 8:41	45.6	29.2	4.8	20.4	-0.68	-0.43	46	24	18	-4.87	Slightly Closed; None; Good
GRNVLHW5	1/29/2014 8:43	46.9	28.9	4.7	19.5	-0.01	-0.01	46	10	9	-5.26	2nd Reading; None; Good
GRNVLHW5	2/11/2014 8:28	64.5	35.1	0	0.4	-0.06	-0.01	44	96	96	-1.51	No Change; None; Good
GRNVLHW5	2/26/2014 7:55	62.3	37.7	0	0	1.42	1.41	24	0	0	1.68	No Change; None; Fair
GRNVLHW5	2/26/2014 7:56	62.5	37.5	0	0	1.44	1.57	24	0	0	1.38	2nd Reading; None; Fair
GRNVLHW5	3/11/2014 9:09	63.1	36.5	0.2	0.2	-5.82	-5.82	47	47	42	-10.87	No Change; None; Good
GRNVLHW5	3/26/2014 8:14	38.7	27.3	7.1	26.9	-6.86	-2.87	51	49	20	-13.63	Slightly Closed; None; Good
GRNVLHW5	3/26/2014 8:16	39.4	26.3	7.1	27.2	-0.88	-0.86	49	9	7	-14.5	2nd Reading; None; Good
GRNVLHW5	3/26/2014 13:34	63.5	35.8	0	0.7	0.12	-0.04	53	39	41	-17.43	Slightly Open; None; Good
GRNVLHW5	3/26/2014 13:35	62.5	35.8	0	1.7	-0.09	-0.08	53	12	14	-17.52	2nd Reading; None; Good
GRNVLHW5	4/9/2014 7:40	61.9	35.8	0.2	2.1	-0.26	-0.47	53	12	16	-17.08	Slightly Open; No Repair Needed; Good
GRNVLHW5	4/9/2014 7:41	62.1	37.7	0.2	0	-0.67	-0.67	53	17	16	-16.87	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLHW5	5/29/2014 9:21	62.9	37.1	0	0	0.17	0.16	76	5	5	-0.35	No Change; No Repair Needed; Good
GRNVLHW5	5/29/2014 9:22	63.4	36.6	0	0	0.16	0.16	76	8	7	-0.3	2nd Reading; No Repair Needed; Good
GRNVLHW5	6/9/2014 9:05	22.5	16.7	12.2	48.6	-1.35	-0.2	81	35	8	-19.84	Slightly Closed; No Repair Needed; Fair
GRNVLHW5	6/9/2014 9:06	21.6	15.2	12.5	50.7	-0.01	-0.01	80	8	6	-20.1	2nd Reading; No Repair Needed; Good
GRNVLHW5	6/9/2014 13:57	43.5	27.5	4.4	24.6	-0.02	-0.05	84	6	10	-20.79	No Change; No Repair Needed; Good
GRNVLHW5	6/24/2014 7:35	33.7	23.8	7.2	35.3	-0.04	-0.03	83	13	5	-21.35	Slightly Closed; No Repair Needed; Fair
GRNVLHW5	6/24/2014 7:36	33.2	22.8	7.4	36.6	-0.01	-0.02	84	7	7	-21.05	2nd Reading; No Repair Needed; Fair
GRNVLHW5	6/24/2014 12:29	42.1	27.4	4.2	26.3	-0.02	-0.01	92	12	10	-20.71	No Change; No Repair Needed; Fair
GRNVLHW5	7/14/2014 9:27	36.9	29.1	4.6	29.4	-0.02	-0.01	87	8	8	-26.22	No Change; No Repair Needed; Fair
GRNVLHW5	7/28/2014 9:07	32.6	26.4	6.5	34.5	-0.07	-0.02	84	10	7	-26.63	Slightly Closed; No Repair Needed; Fair
GRNVLHW5	7/28/2014 9:08	32.9	24.1	6.6	36.4	-0.02	-0.02	84	6	3	-26.67	2nd Reading; No Repair Needed; Fair
GRNVLHW5	7/28/2014 12:59	37.2	25.5	4.7	32.6	-0.01	-0.02	76	10	9	-27.23	No Change; No Repair Needed; Fair
GRNVLHW5	8/12/2014 8:04	35.6	26.2	6.3	31.9	-0.08	-0.01	86	11	8	-26.67	Slightly Closed; No Repair Needed; Fair
GRNVLHW5	8/12/2014 8:05	35.5	24.6	6.4	33.5	-0.01	-0.01	86	6	6	-26.93	2nd Reading; No Repair Needed; Fair
GRNVLHW5	8/12/2014 12:26	37.9	25.3	4.8	32	-0.01	-0.03	87	6	11	-26.37	No Change; No Repair Needed; Fair
GRNVLHW5	8/27/2014 7:43	43.4	30.5	3.7	22.4	-0.06	-0.04	86	36	35	-27.1	No Change; No Repair Needed; Fair
GRNVLHW5	9/10/2014 9:04	35.8	25.1	6.4	32.7	-0.19	-0.04	86	14	9	-27.02	Slightly Closed; No Repair Needed; Fair
GRNVLHW5	9/10/2014 9:05	35.7	24.8	6.5	33	-0.05	-0.03	86	8	8	-26.97	2nd Reading; No Repair Needed; Fair
GRNVLHW5	9/25/2014 7:37	37.6	44.1	1.2	17.1	-0.13	-0.06	76	38	36	-26.93	Slightly Closed; No Repair Needed; Good
GRNVLHW5	9/25/2014 7:38	32	50.5	0.9	16.6	-0.08	-0.06	75	4	11	-26.89	2nd Reading; No Repair Needed; Good
GRNVLHW5	10/9/2014 8:59	59.1	37.9	0.1	2.9	0.1	-0.02	69	37	38	-15.58	Slightly Open; No Repair Needed; Good
GRNVLHW5	10/9/2014 9:00	56.8	42.3	0	0.9	-0.05	-0.02	72	41	41	-15.15	2nd Reading; No Repair Needed; Good
GRNVLHW5	10/23/2014 7:53	51.3	33.9	1.5	13.3	-0.21		67	13		-27.06	No Change; No Repair Needed; Good
GRNVLHW5	11/5/2014 7:39	48.4	28.2	3.2	20.2	-0.24		62	20		-27.06	No Change; No Repair Needed; Good
GRNVLHW5	11/19/2014 8:17	55.4	35.5	0.9	8.2	-0.09		50	14		-27.58	No Change; No Repair Needed; Good
GRNVLHW5	12/5/2014 7:46	54.9	34.7	1	9.4	-0.16		52	15		-16.14	No Change; No Repair Needed; Good
GRNVLHW5	12/18/2014 7:55	55.1	37.2	0.7	7	-0.03		47	17		-19.72	No Change; No Repair Needed; Good
GRNVLHW6	12/4/2013 14:39	40.5	26.4	4.8	28.3	-3.2	-2.1	67	18	16	-15.77	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLHW6	12/4/2013 14:42	41.3	26.9	4.4	27.4	-1.6	-1.6	67	15	15	-15.87	No Change made in Valve Position
GRNVLHW6	12/18/2013 8:49	63.3	36.6	0	0.1	-0.2	-0.4	47	22	10	-5.51	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW6	12/18/2013 8:52	63.1	36.8	0	0.1	-1	-1	51	2	3	-6.46	No Change made in Valve Position
GRNVLHW6	1/15/2014 8:26	63.7	36.3	0	0	-0.05	-0.19	44	33	36	-0.22	No Change; None; Good
GRNVLHW6	1/29/2014 8:47	19.5	18.3	11.8	50.4	-2.81	-1.34	48	28	4	-5.31	Slightly Closed; None; Fair
GRNVLHW6	1/29/2014 8:49	26.2	17.3	10.4	46.1	-0.29	-0.29	45	16	15	-12.08	2nd Reading; None; Fair
GRNVLHW6	2/11/2014 8:32	63.6	36.4	0	0	-0.07	-0.17	45	20	21	-0.39	No Change; None; Good
GRNVLHW6	2/26/2014 7:59	62	38	0	0	1.73	1.67	36	0	0	1.73	No Change; None; Fair
GRNVLHW6	2/26/2014 8:00	62.3	37.7	0	0	1.62	1.7	37	0	0	1.38	2nd Reading; None; Fair
GRNVLHW6	3/11/2014 9:12	63.1	36.6	0.3	0	-5.48	-5.48	51	26	24	-11.95	No Change; None; Good
GRNVLHW6	3/26/2014 8:20	20.8	16.6	12.4	50.2	-5.52	-3.32	53	37	5	-13.98	Slightly Closed; None; Good
GRNVLHW6	3/26/2014 8:21	24.8	17.1	11.1	47	-1.61	-1.59	49	7	6	-15.49	2nd Reading; None; Good
GRNVLHW6	3/26/2014 13:40	61.7	38	0.1	0.2	0.36	-0.01	53	7	7	-17.13	Slightly Open; None; Good
GRNVLHW6	3/26/2014 13:41	57.7	35.7	0.4	6.2	-0.03	-0.03	54	14	14	-17.52	2nd Reading; None; Good
GRNVLHW6	4/9/2014 7:45	59	35.7	0.8	4.5	-0.27	-0.38	54	10	9	-16.87	Slightly Open; No Repair Needed; Good
GRNVLHW6	4/9/2014 7:46	58.3	35.2	0.8	5.7	-0.66	-0.71	55	16	12	-16.65	2nd Reading; No Repair Needed; Good
GRNVLHW6	5/29/2014 9:25	64.7	35.3	0	0	0.28	0.28	76	5	6	-0.3	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLHW6	5/29/2014 9:25	62.7	37.3	0	0	0.28	0.27	76	9	8	-0.3	2nd Reading; No Repair Needed; Good
GRNVLHW6	6/9/2014 10:19	20.7	16.7	11.5	51.1	-2.69	-1.32	83	28	11	-20.23	Slightly Closed; No Repair Needed; Fair
GRNVLHW6	6/9/2014 10:20	20.1	16.2	11.8	51.9	-0.35	-0.34	83	9	6	-20.71	2nd Reading; No Repair Needed; Fair
GRNVLHW6	6/9/2014 14:03	60.5	37.5	0	2	0.22	-0.11	85	8	13	-21.01	Slightly Open; No Repair Needed; Good
GRNVLHW6	6/9/2014 14:04	60.7	39.2	0	0.1	-0.3	-0.29	85	12	19	-20.62	2nd Reading; No Repair Needed; Good
GRNVLHW6	6/24/2014 7:53	30.2	22.8	7.7	39.3	-0.23	-0.07	85	13	7	-15.96	Slightly Closed; No Repair Needed; Fair
GRNVLHW6	6/24/2014 7:55	29.6	21.8	7.9	40.7	-0.03	-0.01	84	6	6	-15.14	2nd Reading; No Repair Needed; Fair
GRNVLHW6	6/24/2014 12:32	41.8	28.8	3.8	25.6	-0.04	-0.06	91	10	9	-20.97	No Change; No Repair Needed; Good
GRNVLHW6	7/14/2014 9:45	34.8	28.4	5.5	31.3	-0.01	-0.01	85	13	6	-26.26	No Change; No Repair Needed; Fair
GRNVLHW6	7/14/2014 9:46	33.9	26.3	5.7	34.1	-0.04	-0.04	86	10	10	-26.17	2nd Reading; No Repair Needed; Fair
GRNVLHW6	7/28/2014 9:27	35.9	29.4	4.5	30.2	-0.52	-0.18	84	13	6	-26.59	Slightly Closed; No Repair Needed; Fair
GRNVLHW6	7/28/2014 9:28	36.2	28	4.6	31.2	-0.02	-0.02	83	4	4	-26.33	2nd Reading; No Repair Needed; Fair
GRNVLHW6	8/12/2014 8:20	60.9	37.2	0	1.9	0.15	-0.04	83	8	11	-26.8	Slightly Open; No Repair Needed; Good
GRNVLHW6	8/12/2014 8:21	61.1	38	0	0.9	-0.13	-0.16	85	16	11	-27.02	2nd Reading; No Repair Needed; Good
GRNVLHW6	8/27/2014 8:00	31.8	25.1	6.8	36.3	-0.25	-0.07	85	15	8	-26.11	Slightly Closed; No Repair Needed; Fair
GRNVLHW6	8/27/2014 8:01	31.4	23.7	7	37.9	-0.02	-0.01	85	8	7	-26.54	2nd Reading; No Repair Needed; Fair
GRNVLHW6	9/10/2014 9:23	53.6	35.6	0.5	10.3	-0.15	-0.14	84	10	10	-26.63	No Change; No Repair Needed; Good
GRNVLHW6	9/25/2014 8:04	46.1	35.5	2.7	15.7	-0.37	-0.37	78	8	4	-26.5	No Change; No Repair Needed; Good
GRNVLHW6	10/9/2014 9:26	51.2	34.5	1.4	12.9	-0.47	-0.44	77	15	13	-27.28	No Change; No Repair Needed; Good
GRNVLHW6	10/23/2014 8:19	52.8	34.6	1.1	11.5	-0.41		69	11		-27.06	No Change; No Repair Needed; Good
GRNVLHW6	11/5/2014 8:12	51.4	33.1	1.7	13.8	-0.37		63	13		-26.85	No Change; No Repair Needed; Good
GRNVLHW6	11/19/2014 8:52	56.6	35.3	0.6	7.5	-0.08		48	7		-27.23	No Change; No Repair Needed; Good
GRNVLHW6	12/5/2014 8:16	50.6	29.8	2.7	16.9	-0.05		57	12		-16.62	No Change; No Repair Needed; Good
GRNVLHW6	12/18/2014 8:20	42.2	31	5.2	21.6	-1.64	-1.59	49	6	6	-20.37	Slightly Closed; No Repair Needed; Good
GRNVLHW6	12/18/2014 8:21	43	29.3	5.3	22.4	-1.3		49	9		-20.54	2nd Reading; No Repair Needed; Good
GRNVLHW6	12/18/2014 11:52	60.3	36.7	0	3	0.46	-0.05	50	0	0	-19.77	Slightly Open; No Repair Needed; Good
GRNVLHW6	12/18/2014 11:53	60.9	37.1	0	2	-0.88		54	0		-19.55	2nd Reading; No Repair Needed; Good
GRNVLHW7	6/9/2014 9:54	22.2	20.3	11.6	45.9	-7.89	-0.26	89	170	36	-17.47	Slightly Closed; No Repair Needed; Fair
GRNVLHW7	6/9/2014 9:55	30.5	24.3	8.2	37	-0.25	-0.23	90	36	31	-21.23	2nd Reading; No Repair Needed; Fair
GRNVLHW7	6/9/2014 13:47	55.7	37.6	0.6	6.1	-0.27	-0.24	90	36	31	-21.18	No Change; No Repair Needed; Good
GRNVLHW7	6/24/2014 7:21	59	39.7	0	1.3	-0.31	-0.5	90	44	51	-20.84	Slightly Open; No Repair Needed; Good
GRNVLHW7	6/24/2014 7:22	59.3	39.6	0	1.1	-0.49	-0.49	90	46	51	-21.27	2nd Reading; No Repair Needed; Good
GRNVLHW7	7/14/2014 9:16	56.7	37.9	0.3	5.1	-0.45	-0.66	94	52	49	-26.69	No Change; No Repair Needed; Good
GRNVLHW7	7/28/2014 8:55	59.2	39.3	0	1.5	-0.61	-0.73	94	50	58	-27.32	Slightly Open; No Repair Needed; Good
GRNVLHW7	7/28/2014 8:55	58.9	40.6	0	0.5	-0.8	-0.72	94	63	66	-26.76	2nd Reading; No Repair Needed; Good
GRNVLHW7	8/12/2014 7:49	54.9	37.4	0.8	6.9	-0.95	-0.89	96	61	65	-26.24	No Change; No Repair Needed; Good
GRNVLHW7	8/27/2014 7:33	53.5	36.8	1.3	8.4	-1.09	-0.94	97	62	61	-26.5	No Change; No Repair Needed; Good
GRNVLHW7	9/10/2014 8:55	54.3	36.8	0.9	8	-0.69	-0.63	98	42	47	-26.93	No Change; No Repair Needed; Good
GRNVLHW7	9/25/2014 7:47	42.6	35.1	4.2	18.1	-0.99	-0.38	98	63	46	-27.14	Slightly Closed; No Repair Needed; Good
GRNVLHW7	9/25/2014 7:48	43.1	33.5	4.1	19.3	-0.38	-0.38	98	45	39	-27.83	2nd Reading; No Repair Needed; Good
GRNVLHW7	10/9/2014 9:08	58.7	39	0	2.3	0.17	-0.05	62	21	36	-26.93	Slightly Open; No Repair Needed; Good
GRNVLHW7	10/9/2014 9:09	59.7	40.3	0	0	-0.06	-0.02	83	26	24	-25.9	2nd Reading; No Repair Needed; Good
GRNVLHW7	10/23/2014 8:02	57.6	42	0	0.4	0.03	-0.11	86	24	27	-26.67	Slightly Open; No Repair Needed; Good
GRNVLHW7	10/23/2014 8:03	58.5	41.5	0	0	-0.13		87	25		-26.33	2nd Reading; No Repair Needed; Good
GRNVLHW7	11/5/2014 7:51	56.7	39	0.2	4.1	-0.22	-0.42	87	17	28	-27.41	Slightly Open; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLHW7	11/5/2014 7:52	56.8	39	0.2	4	-0.24		87	38		-28.01	2nd Reading; No Repair Needed; Good
GRNVLHW7	11/19/2014 8:28	56.8	38.2	0.2	4.8	-1.86		82	103		-26.54	No Change; No Repair Needed; Good
GRNVLHW7	12/5/2014 7:58	57.6	41	0	1.4	-0.06		78	33		-15.93	No Change; No Repair Needed; Good
GRNVLHW7	12/18/2014 8:03	55.5	38.6	0	5.9	-0.2		74	29		-20.54	No Change; No Repair Needed; Good
GRNVLHW8	6/9/2014 10:08	58.1	39.1	0.4	2.4	0.09	-0.12	88	15	19	-20.71	Slightly Open; No Repair Needed; Good
GRNVLHW8	6/9/2014 10:09	57.3	41.2	0.3	1.2	-0.12	-0.05	88	23	20	-20.28	2nd Reading; No Repair Needed; Good
GRNVLHW8	6/9/2014 13:55	56.1	39.5	0.6	3.8	-0.09	-0.07	90	18	25	-20.84	No Change; No Repair Needed; Good
GRNVLHW8	6/24/2014 7:31	57.6	39.9	0.2	2.3	-0.08	-0.14	90	25	24	-20.84	Slightly Open; No Repair Needed; Good
GRNVLHW8	6/24/2014 7:32	56.8	40	0.2	3	-0.07	-0.15	91	27	30	-21.14	2nd Reading; No Repair Needed; Good
GRNVLHW8	7/14/2014 9:24	55	37.8	0.3	6.9	-0.22	-0.21	96	23	26	-26.26	No Change; No Repair Needed; Good
GRNVLHW8	7/28/2014 9:05	57.2	40.3	0.2	2.3	-0.12	-0.25	96	30	32	-27.06	No Change; No Repair Needed; Good
GRNVLHW8	8/12/2014 7:57	51.6	37.8	0.7	9.9	-0.2	-0.19	98	31	32	-25.94	No Change; No Repair Needed; Good
GRNVLHW8	8/27/2014 7:40	49.9	36.9	1	12.2	-0.13	-0.16	99	26	26	-26.15	No Change; No Repair Needed; Good
GRNVLHW8	9/10/2014 9:01	52.1	37.4	0.8	9.7	-0.19	-0.16	100	25	29	-26.63	No Change; No Repair Needed; Good
GRNVLHW8	9/25/2014 7:40	36.6	39.6	3.3	20.5	-0.11	-0.05	100	25	21	-26.46	Slightly Closed; No Repair Needed; Good
GRNVLHW8	9/25/2014 7:41	39.5	34.3	3.4	22.8	-0.05	-0.04	99	23	19	-26.16	2nd Reading; No Repair Needed; Good
GRNVLHW8	10/9/2014 9:02	46.1	32.3	2.5	19.1	-0.01	-0.02	98	39	36	-21.32	No Change; No Repair Needed; Good
GRNVLHW8	10/23/2014 7:55	47.6	37.3	2	13.1	-0.01		92	19		-26.67	No Change; No Repair Needed; Good
GRNVLHW8	11/5/2014 7:41	48.9	34.1	1.9	15.1	-0.03		91	17		-26.59	No Change; No Repair Needed; Good
GRNVLHW8	11/19/2014 8:20	48.3	36.6	2.3	12.8	-0.01		82	36		-26.33	No Change; No Repair Needed; Good
GRNVLHW8	12/5/2014 7:49	57.5	38.5	0.2	3.8	0.08	-0.09	83	32	37	-16.23	Slightly Open; No Repair Needed; Good
GRNVLHW8	12/5/2014 7:50	57.2	38.9	0	3.9	-0.1		85	26		-17.44	2nd Reading; No Repair Needed; Good
GRNVLHW8	12/18/2014 7:57	48.6	36.4	2.1	12.9	-0.18		81	22		-22.44	No Change; No Repair Needed; Good
GRNVLPW1	6/9/2014 8:55	60.3	36.3	0	3.4	-20.45	-20.45	90	27	26	-20.06	No Change; No Repair Needed; Good
GRNVLPW1	6/9/2014 13:41	60	37.3	0	2.7	-20.79	-20.97	94	18	14	-20.79	No Change; No Repair Needed; Good
GRNVLPW1	6/24/2014 7:14	56.8	35	0.7	7.5	-18.25	-18.25	86	12	11	-17.9	No Change; No Repair Needed; Good; needs pump
GRNVLPW1	7/14/2014 9:10	57.7	36.7	0.4	5.2	-26.2	-26.24	86	23	24	-26.17	No Change; No Repair Needed; Good
GRNVLPW1	7/28/2014 8:50	60.2	38	0.1	1.7	-26.49	-26.83	88	12	14	-26.28	No Change; No Repair Needed; Good
GRNVLPW1	8/12/2014 7:43	60.2	37.8	0	2	-26.66	-26.32	94	35	32	-26.28	No Change; No Repair Needed; Good
GRNVLPW1	8/27/2014 7:29	60.3	36.7	0.1	2.9	-26.49	-26.49	89	16	14	-26.2	No Change; No Repair Needed; Fair; needs pump
GRNVLPW1	9/10/2014 8:50	59.7	38.1	0	2.2	-26.66	-26.66	89	9	13	-26.97	No Change; No Repair Needed; Good
GRNVLPW1	9/25/2014 7:52	59.2	38.2	0.1	2.5	-15.47	-21.37	99	32	21	-27.27	Slightly Open; No Repair Needed; Good; 5120
GRNVLPW1	9/25/2014 7:53	57.2	41.2	0.1	1.5	-22.36	-22.06	99	27	29	-27.32	2nd Reading; No Repair Needed; Good
GRNVLPW1	10/9/2014 9:13	54.4	35	1.4	9.2	-22.35	-22.35	91	31	28	-26.28	No Change; No Repair Needed; Good; 13505
GRNVLPW1	10/23/2014 8:08	53.4	35.8	1.7	9.1	-24.63		80	35		-27.02	No Change; No Repair Needed; Good; 13506
GRNVLPW1	11/5/2014 7:57	57.2	34.8	1.1	6.9	-25.5		87	32		-26.97	No Change; No Repair Needed; Good; 13506
GRNVLPW1	11/19/2014 8:35	48.8	31.2	3.4	16.6	-22.09		62	48		-26.67	No Change; Pump Maintenance Required; Fair; 13506
GRNVLPW1	12/5/2014 8:04	55.3	36.6	0.5	7.6	-12.21		58	27		-16.62	No Change; No Repair Needed; Good; 13506
GRNVLPW2	6/9/2014 9:59	58.7	40.7	0.6	0	-19.28	-19.24	97	30	31	-20.66	No Change; No Repair Needed; Good
GRNVLPW2	6/9/2014 13:50	59.7	40.3	0	0	-19.33	-19.59	98	34	28	-20.75	No Change; No Repair Needed; Good
GRNVLPW2	6/24/2014 7:25	59.9	39.4	0	0.7	-19.67	-19.28	97	21	25	-20.92	No Change; No Repair Needed; Good; needs pump
GRNVLPW2	7/14/2014 9:18	57.9	39.8	0	2.3	-24.82	-24.86	98	39	33	-26.09	No Change; No Repair Needed; Good
GRNVLPW2	7/28/2014 8:58	57.8	40.9	0	1.3	-25.5	-25.45	96	28	29	-26.59	No Change; No Repair Needed; Good
GRNVLPW2	8/12/2014 7:51	57.5	38.6	0	3.9	-26.23	-26.32	98	33	33	-26.07	No Change; No Repair Needed; Good
GRNVLPW2	8/27/2014 7:36	58.8	39.3	0	1.9	-27.18	-25.88	98	30	38	-26.85	No Change; No Repair Needed; Fair; needs pump

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLPW2	9/10/2014 8:57	56.6	39.7	0.2	3.5	-26.23	-26.62	99	32	30	-26.72	No Change; No Repair Needed; Good
GRNVLPW2	9/25/2014 7:45	57.9	38.8	0	3.3	-23.74	-24.47	100	33	33	-26.97	No Change; No Repair Needed; Good; 3131
GRNVLPW2	10/9/2014 9:06	56.7	38.3	0.3	4.7	-25.11	-24.42	95	26	25	-26.97	No Change; Pump Maintenance Required; Good; 3132
GRNVLPW2	10/23/2014 8:00	58.5	39.7	0	1.8	-1.82	-5.18	106	31	47	-28.18	Slightly Open; No Repair Needed; Good; 7353
GRNVLPW2	10/23/2014 8:00	57.8	41.9	0	0.3	-9.71		106	57		-29	2nd Reading; No Repair Needed; Good
GRNVLPW2	11/5/2014 7:48	58.8	39.9	0	1.3	-16.39	-22.09	104	60	50	-26.97	Slightly Open; No Repair Needed; Good; 18348
GRNVLPW2	11/5/2014 7:49	58.7	39.9	0	1.4	-21.1		104	62		-27.19	2nd Reading; No Repair Needed; Good
GRNVLPW2	11/19/2014 8:26	55.5	38.2	0.7	5.6	-25.93		89	43		-27.32	No Change; No Repair Needed; Good; 18348
GRNVLPW2	12/5/2014 7:55	56	38.3	0	5.7	-5.91	-7.72	104	48	46	-14.89	Slightly Open; No Repair Needed; Good
GRNVLPW2	12/5/2014 7:56	57.5	40.5	0	2	-8.2		104	48		-15.11	2nd Reading; No Repair Needed; Good
GRNVLPW2	12/18/2014 8:01	56.4	35.2	0.4	8	-20.36		83	25		-21.1	No Change; No Repair Needed; Good; 20067
GRNVLY01	12/4/2013 10:27	61	37.5	0.3	1.2	-4.2	-4.9	106	15	19	-6.97	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	12/4/2013 10:29	60.6	37.9	0.1	1.4	-4.8	-5	107	18	16	-6.84	No Change made in Valve Position
GRNVLY01	12/17/2013 14:56	61	38.9	0	0.1	-3.8	-4.1	101	3		-5.05	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	12/17/2013 14:58	60.5	39.4	0	0.1	-4.2	-4.3	102			-4.79	No Change made in Valve Position
GRNVLY01	1/15/2014 11:59	62	36.2	0	1.8	-2.09	-2.53	88	0	0	-1.81	No Change; None; Good
GRNVLY01	1/29/2014 14:11	41.7	31.7	0	26.6	-8.76	-7.59	102	26	14	-13.59	Slightly Closed; None; Good
GRNVLY01	1/29/2014 14:12	42.4	33.1	0	24.5	-6.73	-6.9	100	19	21	-6.26	2nd Reading; None; Good
GRNVLY01	2/11/2014 12:43	54.8	34.3	0	10.9	-7.03	-6.86	92	25	24	-12.12	No Change; None; Good
GRNVLY01	3/11/2014 13:08	62.4	36.2	0	1.4	-4.8	-4.83	98	10	9	-6.9	No Change; None; Good
GRNVLY01	3/26/2014 12:49	61.3	36.9	0	1.8	-10.31	-10.66	100	12	11	-15.88	No Change; None; Good
GRNVLY01	4/9/2014 11:58	58.4	37.1	0	4.5	-12.08	-12.42	101	15	13	-16.61	Slightly Open; No Repair Needed; Good
GRNVLY01	4/9/2014 11:59	58.5	36.8	0	4.7	-13.03	-12.99	102	16	13	-16.05	2nd Reading; No Repair Needed; Good
GRNVLY01	5/29/2014 13:29	53.2	34.7	0	12.1	-17.21	-17.17	104	19	17	-21.7	No Change; No Repair Needed; Good
GRNVLY01	6/9/2014 13:27	50.6	34.8	0	14.6	-15.4	-15.4	105	12	13	-19.24	No Change; No Repair Needed; Good
GRNVLY01	6/24/2014 12:12	50.5	35.5	0	14	-14.84	-14.84	105	13	19	-19.41	No Change; No Repair Needed; Good
GRNVLY01	7/14/2014 12:57	45.4	35.3	0	19.3	-18.61	-16.89	105	11	5	-25.44	Slightly Closed; No Repair Needed; Good
GRNVLY01	7/14/2014 12:57	45.3	34.2	0	20.5	-14.91	-15.12	103	5	8	-29.14	2nd Reading; No Repair Needed; Good
GRNVLY01	7/28/2014 12:36	59	36.3	0	4.7	-5.44	-5.74	100	9	7	-24.82	Slightly Open; No Repair Needed; Good
GRNVLY01	7/28/2014 12:36	59.4	37.4	0	3.2	-6.08	-6.13	101	10	11	-25.21	2nd Reading; No Repair Needed; Good
GRNVLY01	8/12/2014 11:59	59.4	37	0	3.6	-7.42	-7.55	102	9	11	-24.51	Slightly Open; No Repair Needed; Good
GRNVLY01	8/12/2014 12:00	59.6	37.4	0	3	-8.15	-7.81	103	13	9	-24.3	2nd Reading; No Repair Needed; Good
GRNVLY01	8/27/2014 11:59	59.7	36.8	0	3.5	-9.06	-10.14	105	12	19	-23.48	Slightly Open; No Repair Needed; Good
GRNVLY01	8/27/2014 12:00	60.5	37	0	2.5	-11.17	-11.39	106	21	22	-29.13	2nd Reading; No Repair Needed; Good
GRNVLY01	9/10/2014 12:40	57.1	37.1	0	5.8	-14.67	-15.36	105	19	21	-24.26	Slightly Open; No Repair Needed; Good
GRNVLY01	9/10/2014 12:41	58.7	36.6	0	4.7	-16.65	-16.39	106	23	25	-23.31	2nd Reading; No Repair Needed; Good
GRNVLY01	9/25/2014 11:20	52.1	37.5	0	10.4	-17.92	-17.66	105	24	21	-25.48	No Change; No Repair Needed; Good
GRNVLY01	10/9/2014 12:39	55	37.1	0	7.9	-17.95	-18.64	105	23	33	-25.21	Slightly Open; No Repair Needed; Good
GRNVLY01	10/9/2014 12:40	55.4	37.1	0	7.5	-19.28	-19.33	106	29	27	-24.26	2nd Reading; No Repair Needed; Good
GRNVLY01	10/23/2014 11:56	50.3	37	0	12.7	-20.36		106	27		-25.25	No Change; No Repair Needed; Good
GRNVLY01	11/5/2014 12:33	47.7	35	0	17.3	-20.36	-19.93	105	21	20	-23.48	Slightly Closed; No Repair Needed; Good
GRNVLY01	11/5/2014 12:34	46.8	34.4	0	18.8	-19.24		105	24		-27.62	2nd Reading; No Repair Needed; Good
GRNVLY01	11/19/2014 12:17	53.7	36.1	0	10.2	-8.89		101	10		-11.39	No Change; No Repair Needed; Good
GRNVLY01	12/5/2014 11:47	58.9	35.3	0	5.8	-13.24	-13.63	103	17	22	-18	Slightly Open; No Repair Needed; Good
GRNVLY01	12/5/2014 11:48	61.5	36.2	0	2.3	-14.41		104	21		-17.61	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY01	12/18/2014 11:42	59.1	36.3	0	4.6	-17.08		103	5		-19.34	No Change; No Repair Needed; Good
GRNVLY02	12/4/2013 10:22	57.7	36.9	0.2	5.2	-3.8	-3.9	115	20	18	-6.88	No Change made in Valve Position
GRNVLY02	12/17/2013 15:03	60.9	39	0	0.1	-2.5	-2.6	110		6	-4.39	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY02	12/17/2013 15:05	60.9	39	0	0.1	-2.6	-2.7	109	35	20	-4.08	No Change made in Valve Position
GRNVLY02	1/15/2014 11:46	61.3	36.7	0	2	-1.02	-1.53	94	2	17	-1.73	No Change; None; Good
GRNVLY02	1/29/2014 14:15	49.5	34.1	0	16.4	-7.89	-7.89	110	23	26	-10.48	No Change; None; Good
GRNVLY02	2/11/2014 12:46	57.6	34.4	0	8	-8.5	-8.28	102	20	18	-9.36	No Change; None; Good
GRNVLY02	3/11/2014 13:11	61.9	36.5	0	1.6	-5.82	-5.82	104	14	13	-6.56	No Change; None; Good
GRNVLY02	3/26/2014 12:52	60	35.8	0	4.2	-12.86	-12.73	106	20	21	-15.57	No Change; None; Good
GRNVLY02	4/9/2014 12:02	60.4	36.7	0	2.9	-13.68	-14.06	107	16	20	-15.96	Slightly Open; No Repair Needed; Good
GRNVLY02	4/9/2014 12:03	60.8	38	0	1.2	-14.37	-14.24	107	21	20	-16.57	2nd Reading; No Repair Needed; Good
GRNVLY02	5/29/2014 13:32	54.2	35	0	10.8	-18.21	-18.21	110	28	27	-20.92	No Change; No Repair Needed; Good
GRNVLY02	6/9/2014 13:30	52.9	34.5	0	12.6	-16.48	-16.48	110	25	24	-19.07	No Change; No Repair Needed; Good
GRNVLY02	6/24/2014 12:15	53.4	34.5	0	12.1	-16.22	-16.22	111	27	26	-19.63	No Change; No Repair Needed; Good
GRNVLY02	7/14/2014 13:00	47.7	33.8	1.1	17.4	-19.13	-16.54	114	34	13	-22.94	Slightly Closed; No Repair Needed; Good
GRNVLY02	7/14/2014 13:01	48.1	33.6	0.9	17.4	-13.74	-13.49	113	10	14	-21.91	2nd Reading; No Repair Needed; Good
GRNVLY02	7/28/2014 12:40	51.6	34.9	1.3	12.2	-9.53	-9.19	116	16	18	-23.48	No Change; No Repair Needed; Good
GRNVLY02	8/12/2014 12:03	49.2	33.5	2	15.3	-8.84	-7.46	118	20	14	-23.78	Slightly Closed; No Repair Needed; Good
GRNVLY02	8/12/2014 12:05	48.9	32.9	2	16.2	-6.38	-6.43	117	11	11	-23.13	2nd Reading; No Repair Needed; Good
GRNVLY02	8/27/2014 12:03	51.5	34.3	1.6	12.6	-3.8	-3.81	118	13	14	-22.66	No Change; No Repair Needed; Good
GRNVLY02	9/10/2014 12:44	53.4	35.4	0.9	10.3	-4	-3.97	117	13	16	-22.92	No Change; No Repair Needed; Good
GRNVLY02	9/25/2014 11:23	51.2	36	1.5	11.3	-4.4	-4.38	117	16	16	-22.19	No Change; No Repair Needed; Good
GRNVLY02	10/9/2014 12:42	51.7	35.3	1.5	11.5	-4.98	-4.95	113	20	20	-24.26	No Change; No Repair Needed; Good
GRNVLY02	10/23/2014 11:59	54.7	35.4	0.7	9.2	-4.17		114	13		-24.04	No Change; No Repair Needed; Good
GRNVLY02	11/5/2014 12:36	55.3	35.4	0.5	8.8	-3.35		112	35		-23.78	No Change; No Repair Needed; Good
GRNVLY02	11/19/2014 12:19	60.3	36.1	0	3.6	-0.13		102	13		-10.75	No Change; No Repair Needed; Good
GRNVLY02	12/5/2014 11:50	60.9	36.4	0	2.7	-1.5	-1.75	100	10	10	-16.23	Slightly Open; No Repair Needed; Good
GRNVLY02	12/5/2014 11:51	60.7	37.8	0	1.5	-2.5		104	11		-17.87	2nd Reading; No Repair Needed; Good
GRNVLY02	12/18/2014 11:45	57.8	36.5	0.1	5.6	-5.48		105	37		-17.57	No Change; No Repair Needed; Good
GRNVLY03	12/3/2013 13:20	60	39.9	0	0.1	-8.4	-8.6	73	3	5	-9.16	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY03	12/3/2013 13:23	60.5	39.4	0	0.1	-8.5	-8.5	75	3	3	-9.08	No Change made in Valve Position
GRNVLY03	12/17/2013 10:28	60	39.1	0.7	0.2	-4.9	-5	48	9	9	-5.14	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	12/17/2013 10:31	59.5	40.1	0.2	0.2	-5	-5	49	8	9	-5.13	No Change made in Valve Position
GRNVLY03	1/15/2014 9:47	61.6	37	0	1.4	-3.26	-2.6	48	23	35	-3.15	No Change; None; Good
GRNVLY03	1/29/2014 11:54	59.2	31.9	0.2	8.7	-13.81	-13.2	40	37	37	-12.3	No Change; None; Good
GRNVLY03	2/11/2014 10:48	63.7	32.5	0.1	3.7	-12.04	-11.91	43	43	53	-11.56	No Change; None; Good
GRNVLY03	3/11/2014 10:33	61.6	38.4	0	0	-7.16	-7.16	94	13	13	-7.29	No Change; None; Good
GRNVLY03	3/26/2014 9:53	62.4	36.4	0	1.2	-13.93	-14.11	86	8	6	-14.62	No Change; None; Good
GRNVLY03	4/9/2014 9:05	62.2	37.8	0	0	-15.79	-15.79	85	2	3	-16.09	No Change; No Repair Needed; Good
GRNVLY03	5/29/2014 9:32	62.2	37.3	0	0.5	-19.93	-19.93	106	10	10	-20.45	No Change; No Repair Needed; Good
GRNVLY03	6/9/2014 11:56	60.9	37.9	0	1.2	-18.55	-18.55	106	13	10	-19.03	No Change; No Repair Needed; Good
GRNVLY03	6/24/2014 8:58	60.5	37.5	0	2	-13.46	-13.46	99	7	11	-13.55	No Change; No Repair Needed; Good
GRNVLY03	7/14/2014 11:22	56.6	35.5	0	7.9	-23.44	-23.14	102	12	15	-23.98	No Change; No Repair Needed; Good
GRNVLY03	7/28/2014 10:16	56.2	37.7	0	6.1	-24.16	-24.85	102	15	10	-24.6	No Change; No Repair Needed; Good
GRNVLY03	8/12/2014 9:15	57	36	0	7	-24.94	-24.63	105	19	12	-25.94	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY03	8/27/2014 8:51	58.9	36.7	0	4.4	-24.85	-25.11	107	13	14	-25.81	No Change; No Repair Needed; Good
GRNVLY03	9/10/2014 10:20	60.8	36.2	0	3	-24.94	-24.85	103	10	12	-26.54	No Change; No Repair Needed; Good
GRNVLY03	9/25/2014 8:48	60.1	36.5	0	3.4	-24.82	-24.56	104	7	7	-25.91	No Change; No Repair Needed; Good
GRNVLY03	10/9/2014 10:12	61.7	35.4	0	2.9	-23.47	-24.07	105	18	16	-24.26	No Change; No Repair Needed; Good
GRNVLY03	10/23/2014 9:02	62	35.8	0	2.2	-23.47		103	12		-24.6	No Change; No Repair Needed; Good
GRNVLY03	11/5/2014 8:56	60.1	36	0	3.9	-24.81		101	13		-25.55	No Change; No Repair Needed; Good
GRNVLY03	11/19/2014 9:58	59.4	36.3	0	4.3	-11.73		91	14		-12.43	No Change; No Repair Needed; Good
GRNVLY03	12/5/2014 9:08	62	35.7	0	2.3	-16.35		95	15		-16.83	No Change; No Repair Needed; Good
GRNVLY03	12/18/2014 9:06	61.7	35.9	0	2.4	-18.81		87	18		-19.34	No Change; No Repair Needed; Good
GRNVLY04	12/4/2013 10:15	40.6	27.6	2.8	29	-2	-1.6	127	36	26	-6.39	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY04	12/4/2013 10:18	40.5	28.2	2.6	28.7	-1.5	-1.5	128	27	28	-6.49	No Change made in Valve Position
GRNVLY04	12/17/2013 15:09	63.2	34.3	0.6	1.9	-0.7	-0.9	122	16	23	-3.74	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY04	12/17/2013 15:12	62	35.1	0	2.9	-1.1	-1.1	123	22	20	-3.85	No Change made in Valve Position
GRNVLY04	1/15/2014 11:50	62	35.7	0	2.3	-0.07	-0.03	110	8	36	-0.69	No Change; None; Good; 716033
GRNVLY04	1/29/2014 14:18	35	29.4	3	32.6	-3.81	-2.81	122	40	4	-10.18	Slightly Closed; None; Good; 759974
GRNVLY04	1/29/2014 14:19	33.8	27.2	3.6	35.4	-2.12	-2.15	115	6	5	-7.33	2nd Reading; None; Good
GRNVLY04	2/11/2014 12:52	26.9	23.8	2.9	46.4	-5.13	-4.94	114	14	0	-12.21	Slightly Closed; None; Fair; 774517
GRNVLY04	2/11/2014 12:53	32.4	25.7	2.2	39.7	-6.17	-5.82	114	22	15	-17.82	2nd Reading; None; Good
GRNVLY04	3/11/2014 13:14	46.2	34	1.4	18.4	-2.43	-2.41	116	21	18	-5.91	No Change; None; Good; 842740
GRNVLY04	3/26/2014 12:55	48.2	32.6	1.2	18	-4.92	-4.5	117	34	25	-14.71	Slightly Closed; None; Good; 882520
GRNVLY04	3/26/2014 12:56	48.5	33	1.6	16.9	-4.21	-4.17	116	20	22	-15.1	2nd Reading; None; Good
GRNVLY04	4/9/2014 12:06	51.6	34.8	1	12.6	-4.62	-4.63	115	20	21	-15.92	No Change; No Repair Needed; Good; 920916
GRNVLY04	5/29/2014 13:36	23.2	22.8	6.2	47.8	-8.24	-7.85	114	25	12	-21.92	Slightly Closed; No Repair Needed; Fair; 982868
GRNVLY04	5/29/2014 13:37	18.7	18.3	9.2	53.8	-7.16	-7.16	109	13	10	-20.66	2nd Reading; No Repair Needed; Fair
GRNVLY04	6/9/2014 13:35	23.2	21.3	4.9	50.6	-8.54	-8.24	114	0	0	-18.33	No Change; No Repair Needed; Fair; valve barely cracked; 16305
GRNVLY04	6/24/2014 12:21	25	22.3	4.9	47.8	-7.64	-7.64	115	5	5	-18.81	No Change; No Repair Needed; Fair; 53123; valve barely cracked; well influence
GRNVLY04	7/14/2014 13:09	25.8	22.9	4.9	46.4	-9.05	-9.05	118	0	0	-22.94	No Change; No Repair Needed; Fair; 96742; well influence
GRNVLY04	7/28/2014 12:51	24.4	23.1	4.9	47.6	-10.96	-10.91	119	6	5	-23.56	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY04	8/12/2014 12:12	25.3	21.9	5.5	47.3	-8.5	-8.5	118	1	1	-23.48	Slightly Closed; No Repair Needed; Fair; 148164; well influence
GRNVLY04	8/12/2014 12:13	25	21.9	5.5	47.6	-7.08	-7.12	115	0	0	-23.61	2nd Reading; No Repair Needed; Fair; valve barely cracked
GRNVLY04	8/27/2014 12:06	1.8	1.9	20	76.3	-4.76	-4.76	104	6	4	-22.01	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY04	8/27/2014 12:07	0.3	0.1	20.4	79.2	-4.78	-4.77	106	7	6	-21.41	2nd Reading; No Repair Needed; Fair; 168957; well influence
GRNVLY04	9/10/2014 12:47	1	0.9	20.6	77.5	-5.05	-5.05	91	5	4	-22.05	No Change; No Repair Needed; Fair; 190594; well influence
GRNVLY04	9/10/2014 12:48	0.2	0.1	20.8	78.9	-5.05	-5.35	92	5	5	-21.71	2nd Reading; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY04	9/25/2014 11:26	1.6	10	19.8	68.6	-5	-4.95	92	6	7	-22.24	No Change; No Repair Needed; Fair; 211497; well influence

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY04	9/25/2014 11:27	0.1	0.4	21.2	78.3	-4.95	-4.95	95	6	3	-22.19	2nd Reading; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY04	10/9/2014 12:46	0.2	3	21.4	75.4	-5.22	-5.22	64	0	0	-23.48	No Change; No Repair Needed; Fair; 230047; well influence
GRNVLY04	10/9/2014 12:47	0.1	0.6	21.8	77.5	-5.22	-5.22	64	0	0	-23.61	2nd Reading; No Repair Needed; Fair; well influence
GRNVLY04	10/23/2014 12:02	7.7	20.5	17.7	54.1	-5.22	-5.22	72	0	0	-24.51	No Change; No Repair Needed; Fair; 246675
GRNVLY04	10/23/2014 12:03	0	0	17.4	82.6	-5.52		73	2		-24.47	2nd Reading; No Repair Needed; Fair; valve barely cracked; well influence decommission requested
GRNVLY04	11/5/2014 12:39	11.3	19.3	18.1	51.3	-4.55	-4.55	59	0	0	-22.14	No Change; No Repair Needed; Fair; 262789; valve barely cracked
GRNVLY04	11/5/2014 12:40	0.6	4.4	20.6	74.4	-4.57		59	0		-24.95	2nd Reading; No Repair Needed; Fair; well influence; decommission requested
GRNVLY04	11/19/2014 12:22	1.8	10.2	19.1	68.9	-2.72	-2.71	50	0	0	-9.37	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY04	11/19/2014 12:23	0.6	1.5	20.5	77.4	-2.64		48	0		-9.32	2nd Reading; No Repair Needed; Fair
GRNVLY04	12/5/2014 11:55	0.5	1.5	20.6	77.4	-4.73	-4.73	50	0	0	-16.57	Slightly Closed; No Repair Needed; Fair; valve completely closed; 295052
GRNVLY04	12/5/2014 11:56	0.8	0.9	20.5	77.8	-4.74	-4.74	49	0	0	-16.57	2nd Reading; No Repair Needed; Fair; valve completely closed; decommission reading
GRNVLY12	12/3/2013 14:03	56.5	36.5	0.6	6.4	-5.9	-6.3	89			-6.59	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY12	12/3/2013 14:06	56	37	0.5	6.5	-6.3	-6.2	90			-6.54	No Change made in Valve Position
GRNVLY12	12/17/2013 11:01	60.4	39.1	0.4	0.1	-4.2	-4.3	73	31	25	-4.44	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY12	12/17/2013 11:04	59.5	39.9	0.4	0.2	-4.3	-4.4	73	29	29	-4.44	No Change made in Valve Position
GRNVLY12	1/15/2014 10:06	60.6	36.7	0	2.7	-2.47	-2.67	58	24	8	-2.63	No Change; None; Good
GRNVLY12	1/29/2014 12:13	48.9	32.6	0.7	17.8	-13.5	-13.59	74	37	33	-12.6	No Change; None; Good
GRNVLY12	2/11/2014 11:03	59.1	35.7	0.4	4.8	-11.73	-11.69	68	18	16	-10.27	No Change; None; Good
GRNVLY12	3/11/2014 10:48	57.6	36.5	0.7	5.2	-7.51	-7.51	81	7	8	-6.95	No Change; None; Good
GRNVLY12	3/26/2014 10:10	54	34.6	0.6	10.8	-13.55	-13.59	77	40	39	-13.42	No Change; None; Good
GRNVLY12	4/9/2014 9:20	57.7	35	0.7	6.6	-15.44	-15.49	90	16	18	-15.44	No Change; No Repair Needed; Good
GRNVLY12	5/29/2014 9:50	54.6	36.8	0.2	8.4	-18.55	-18.59	97	0	0	-18.94	No Change; No Repair Needed; Good
GRNVLY12	6/9/2014 12:09	51.8	36.5	0.1	11.6	-17.52	-17.52	99	0	0	-17.3	No Change; No Repair Needed; Good; needs wellhead
GRNVLY12	6/24/2014 9:12	52.1	36.5	0.1	11.3	-16.18	-16.18	98	0	0	-16.22	No Change; No Repair Needed; Fair
GRNVLY12	7/14/2014 11:36	50.2	36.6	0.1	13.1	-21.46	-21.71	102	34	33	-21.95	No Change; No Repair Needed; Good
GRNVLY12	7/28/2014 10:30	50.2	36.3	0.2	13.3	-23.04	-22.82	103	0	0	-24.51	No Change; No Repair Needed; Good
GRNVLY12	8/12/2014 9:29	49.5	35.1	0	15.4	-24.68	-24.68	105	0	0	-24.9	No Change; No Repair Needed; Good; needs wellhead
GRNVLY12	8/27/2014 9:06	51.2	35.3	0.1	13.4	-24.12	-24.2	106	0	0	-24.17	No Change; No Repair Needed; Good
GRNVLY12	9/10/2014 10:30	50.2	36.3	0	13.5	-24.16	-24.16	105	0	0	-24.6	No Change; No Repair Needed; Good
GRNVLY12	9/25/2014 8:58	47.1	37.7	0.1	15.1	-24.08	-24.08	103	0	0	-24.71	Slightly Closed; No Repair Needed; Good
GRNVLY12	9/25/2014 8:59	46.6	36.1	0.1	17.2	-23.74	-23.4	103	0	0	-23.56	2nd Reading; No Repair Needed; Good
GRNVLY12	10/9/2014 10:23	52.3	36.7	0.2	10.8	-22.09	-22.13	103	0	0	-22.79	No Change; No Repair Needed; Good
GRNVLY12	10/23/2014 9:17	47.9	36.5	0	15.6	-21.92	-21.35	100	0	0	-22.57	Slightly Closed; No Repair Needed; Fair
GRNVLY12	10/23/2014 9:18	47.9	35.7	0.1	16.3	-21.01		100	0		-22.4	2nd Reading; No Repair Needed; Good
GRNVLY12	11/5/2014 9:06	46.6	35.5	0.1	17.8	-23.17	-22.48	99	0	0	-24.38	Slightly Closed; No Repair Needed; Good
GRNVLY12	11/5/2014 9:06	45.7	34.2	0.2	19.9	-21.83		99	0		-25.42	2nd Reading; No Repair Needed; Good
GRNVLY12	11/19/2014 10:07	48.9	35.6	0.3	15.2	-10.31		87	0		-11.44	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY12	12/5/2014 9:17	57.7	37	0	5.3	-13.72		92	0		-15.54	No Change; No Repair Needed; Good
GRNVLY12	12/18/2014 9:15	56.7	37.9	0.4	5	-17.04		88	0		-19.34	No Change; No Repair Needed; Good
GRNVLY16	12/4/2013 9:47	59.1	37.1	0.1	3.7	-5.8	-5.8	95	21	16	-5.87	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY16	12/4/2013 9:50	59.4	37.4	0	3.2	-5.6	-5.6	94	17	11	-5.86	No Change made in Valve Position
GRNVLY16	12/17/2013 16:02	60.5	39.4	0	0.1	-3.8	-3.8	81	4		-3.83	Fully Open; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY16	12/17/2013 16:05	60.5	39.4	0	0.1	-3.8	-3.7	81			-3.89	No Change made in Valve Position
GRNVLY16	1/15/2014 10:48	60.4	37.1	0	2.5	-2.77	-3.07	74	0	0	-2.46	No Change; None; Good
GRNVLY16	1/29/2014 12:58	57.6	35.2	0	7.2	-11.48	-11.35	82	25	23	-11.3	No Change; None; Good
GRNVLY16	2/11/2014 11:47	53.2	34.2	0	12.6	-11.52	-10.61	68	50	41	-11.39	No Change; None; Good
GRNVLY16	3/11/2014 12:12	58.4	35.9	0	5.7	-7.51	-7.25	93	34	36	-7.25	No Change; None; Good
GRNVLY16	3/26/2014 11:49	58.6	35.7	0	5.7	-13.76	-13.76	89	24	24	-13.76	No Change; None; Good
GRNVLY16	4/9/2014 9:57	58.9	36.4	0	4.7	-15.79	-15.79	91	22	24	-15.83	No Change; No Repair Needed; Good
GRNVLY16	5/29/2014 10:30	60.4	36.8	0	2.8	-16.61	-16.91	100	18	19	-16.87	No Change; No Repair Needed; Good
GRNVLY16	6/9/2014 12:37	53.4	36	0	10.6	-13.72	-13.72	101	14	12	-13.85	No Change; No Repair Needed; Good
GRNVLY16	6/24/2014 10:13	51.2	36	0	12.8	-16.05	-16.13	103	20	18	-16.18	No Change; No Repair Needed; Good
GRNVLY16	7/14/2014 12:08	49.1	34.8	0	16.1	-18.61	-18.31	103	19	22	-18.68	No Change; No Repair Needed; Good
GRNVLY16	7/28/2014 11:01	49.1	35.5	0	15.4	-18.9	-18.55	102	21	25	-18.99	No Change; No Repair Needed; Good
GRNVLY16	8/12/2014 10:12	49	33.8	0	17.2	-18.98	-18.98	103	28	35	-18.69	No Change; No Repair Needed; Good
GRNVLY16	8/27/2014 9:43	51.9	34.3	0	13.8	-18.21	-18.77	104	23	28	-17.87	No Change; No Repair Needed; Good
GRNVLY16	9/10/2014 11:00	52.7	35.7	0.2	11.4	-19.37	-19.37	104	22	28	-19.34	No Change; No Repair Needed; Good
GRNVLY16	9/25/2014 9:27	51.3	36.5	0.2	12	-19.35	-18.66	102	48	44	-19.46	No Change; No Repair Needed; Good
GRNVLY16	10/9/2014 10:54	54.4	36	0.5	9.1	-20.41	-20.62	103	36	29	-20.2	No Change; No Repair Needed; Good
GRNVLY16	10/23/2014 9:49	50.2	35.2	0	14.6	-20.88		101	36		-20.59	No Change; No Repair Needed; Good
GRNVLY16	11/5/2014 10:24	48.6	34.4	0	17	-18.59		100	33		-18.34	No Change; No Repair Needed; Good
GRNVLY16	11/19/2014 10:34	52.6	34.6	0	12.8	-19.54		100	30		-19.42	No Change; No Repair Needed; Good
GRNVLY16	12/5/2014 9:48	56.6	34.9	0	8.5	-15.49		99	37		-15.24	No Change; No Repair Needed; Good
GRNVLY16	12/18/2014 9:44	58.1	35	0	6.9	-16.7		96	10		-16.49	No Change; No Repair Needed; Good
GRNVLY19	12/3/2013 14:52	61.8	38.1	0	0.1	-2.2	-3	95	7		-5.43	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY19	12/3/2013 14:55	61.7	38.2	0	0.1	-3	-3	95			-5.38	No Change made in Valve Position
GRNVLY19	12/17/2013 11:37	60.8	38.6	0.5	0.1	-2.3	-2.7	88		25	-4.03	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY19	12/17/2013 11:39	60.9	38.9	0	0.2	-2.8	-2.8	89			-3.97	No Change made in Valve Position
GRNVLY19	1/15/2014 10:27	60.3	36.2	0	3.5	2.01	1.92	62	0	0	2.03	No Change; None; Fair
GRNVLY19	1/15/2014 10:28	60.6	37.9	0	1.5	2.02	2.06	62	0	0	2.03	2nd Reading; None; Fair
GRNVLY19	1/29/2014 12:34	39	31.5	0.7	28.8	-8.58	-7.2	92	18	13	-10.31	Slightly Closed; None; Good
GRNVLY19	1/29/2014 12:35	38.2	32.8	1.1	27.9	-5.82	-5.87	90	11	12	-10.35	2nd Reading; None; Good
GRNVLY19	2/11/2014 11:29	61	35.7	0	3.3	-1.06	-1.09	84	38	37	-2.03	No Change; None; Good
GRNVLY19	3/11/2014 11:04	62.1	37.4	0	0.5	-1.07	-1.07	88	31	31	-6.26	No Change; None; Good
GRNVLY19	3/26/2014 10:28	58.4	36.4	0	5.2	-7.59	-7.59	89	12	11	-13.42	No Change; None; Good
GRNVLY19	4/9/2014 9:40	59.7	36	0	4.3	-9.97	-10.91	91	12	14	-17.3	Slightly Open; No Repair Needed; Good
GRNVLY19	4/9/2014 9:41	60	38.5	0	1.5	-11.3	-11.3	92	14	21	-17.52	2nd Reading; No Repair Needed; Good
GRNVLY19	5/29/2014 10:11	53.1	35.3	0	11.6	-9.71	-9.66	97	31	28	-16.91	No Change; No Repair Needed; Good
GRNVLY19	6/9/2014 12:23	49.4	35.5	0	15.1	-8.89	-8.89	98	17	13	-14.93	No Change; No Repair Needed; Good
GRNVLY19	6/24/2014 9:58	50.5	36.5	0	13	-6.86	-6.86	99	17	15	-12.17	No Change; No Repair Needed; Good
GRNVLY19	7/14/2014 11:53	49.7	35.3	0	15	-9.31	-8.92	98	25	15	-19.8	Slightly Closed; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY19	7/14/2014 11:54	49.8	34.8	0	15.4	-8.44	-8.62	98	18	18	-17.39	2nd Reading; No Repair Needed; Good
GRNVLY19	7/28/2014 10:45	48.2	35.3	0	16.5	-8.24	-7.16	98	20	13	-18.13	Slightly Closed; No Repair Needed; Good
GRNVLY19	7/28/2014 10:46	48.3	35.1	0	16.6	-6.47	-6.47	97	7	11	-19.55	2nd Reading; No Repair Needed; Good
GRNVLY19	8/12/2014 9:47	58	36.2	0	5.8	-4.85	-5.87	98	18	18	-17.87	Slightly Open; No Repair Needed; Good
GRNVLY19	8/12/2014 9:48	57.9	36.8	0	5.3	-6.56	-6.51	98	18	18	-17.31	2nd Reading; No Repair Needed; Good
GRNVLY19	8/27/2014 9:26	57	35.9	0	7.1	-6.6	-7.2	98	14	19	-17.39	Slightly Open; No Repair Needed; Good
GRNVLY19	8/27/2014 9:27	57.9	36.2	0	5.9	-7.89	-7.89	99	25	21	-16.88	2nd Reading; No Repair Needed; Good
GRNVLY19	9/10/2014 10:45	52	36.3	0	11.7	-8.84	-8.67	99	17	15	-19.98	No Change; No Repair Needed; Good
GRNVLY19	9/25/2014 9:12	50	36.9	0	13.1	-8.57	-8.57	97	19	19	-19.46	No Change; No Repair Needed; Good
GRNVLY19	10/9/2014 10:37	53.9	36.3	0	9.8	-8.89	-8.89	97	19	19	-20.85	No Change; No Repair Needed; Good
GRNVLY19	10/23/2014 9:31	48.9	36	0	15.1	-9.97		96	21		-20.37	No Change; No Repair Needed; Good
GRNVLY19	11/5/2014 9:22	49.8	35.3	0	14.9	-8.63		95	18		-16.23	No Change; No Repair Needed; Good
GRNVLY19	11/19/2014 10:21	52.5	35.5	0	12	-4.99		92	15		-10.4	No Change; No Repair Needed; Good
GRNVLY19	12/5/2014 9:33	57.8	35.1	0	7.1	-7.16		93	16		-15.02	No Change; No Repair Needed; Good
GRNVLY19	12/18/2014 9:28	60.8	36.8	0	2.4	-7.94	-8.58	92	17	21	-15.36	Slightly Open; No Repair Needed; Good
GRNVLY19	12/18/2014 9:29	61	37.1	0	1.9	-9.28		93	19		-16.1	2nd Reading; No Repair Needed; Good
GRNVLY20	12/3/2013 15:01	60.9	38	0.1	1	-0.9	-0.9	109	22	30	-5.71	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY20	12/3/2013 15:04	59.8	38.5	0	1.7	-1.1	-1.1	111	29	27	-5.5	No Change made in Valve Position
GRNVLY20	12/17/2013 13:31	61.1	37.5	0.3	1.1	-0.3	-0.5	108	36	33	-4.03	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY20	12/17/2013 13:34	60.9	38	0	1.1	-0.5	-0.5	109	36	36	-4.18	No Change made in Valve Position
GRNVLY20	1/15/2014 10:31	59.5	38.2	0	2.3	2.33	2.33	100	0	0	1.04	No Change; None; Fair
GRNVLY20	1/15/2014 10:31	59.4	37.6	0	3	2.4	2.41	100	0	0	1.98	2nd Reading; None; Fair
GRNVLY20	1/29/2014 12:38	41.6	32.9	0	25.5	-5.52	-4.59	114	58	20	-11.35	Slightly Closed; None; Good
GRNVLY20	1/29/2014 12:39	42	33.6	0	24.4	-4.37	-4.37	109	12	12	-9.75	2nd Reading; None; Good
GRNVLY20	2/11/2014 11:32	59.9	36	0	4.1	-0.22	-0.22	96	0	0	-1.81	No Change; None; Good
GRNVLY20	3/11/2014 12:00	61.9	36.8	0	1.3	-0.24	-0.12	100	67	72	-6.56	No Change; None; Good
GRNVLY20	3/26/2014 11:36	48.5	29.7	0.4	21.4	-8.58	-8.41	109	67	60	-14.11	Slightly Closed; None; Good
GRNVLY20	3/26/2014 11:36	48.4	34	0	17.6	-8.58	-8.28	109	52	60	-14.11	2nd Reading; None; Good
GRNVLY20	4/9/2014 9:44	49.3	34.7	0	16	-10.27	-10.53	110	60	68	-18.85	No Change; No Repair Needed; Good
GRNVLY20	5/29/2014 10:15	49.5	35.8	0	14.7	-7.98	-7.59	110	63	53	-17.52	No Change; No Repair Needed; Good
GRNVLY20	6/9/2014 12:25	46.1	36.3	0	17.6	-6.82	-6.13	110	49	45	-14.88	Slightly Closed; No Repair Needed; Good
GRNVLY20	6/9/2014 12:26	46.4	35.5	0	18.1	-6.13	-6.13	110	40	42	-14.71	2nd Reading; No Repair Needed; Good
GRNVLY20	6/24/2014 10:00	51.7	35.7	0	12.6	-3.79	-3.66	109	38	35	-12.77	No Change; No Repair Needed; Good
GRNVLY20	7/14/2014 11:56	50.8	35.1	0	14.1	-4.44	-4.36	109	51	57	-20.53	No Change; No Repair Needed; Good
GRNVLY20	7/28/2014 10:48	50.7	35.6	0	13.7	-4.64	-4.54	109	56	52	-19.34	No Change; No Repair Needed; Good
GRNVLY20	8/12/2014 9:51	55.9	36.3	0	7.8	-3.18	-3.14	110	55	58	-18.34	Slightly Open; No Repair Needed; Good
GRNVLY20	8/12/2014 9:52	55.8	36.6	0	7.6	-3.34	-3.17	110	59	61	-18.6	2nd Reading; No Repair Needed; Good
GRNVLY20	8/27/2014 9:29	56.2	36.2	0	7.6	-3.92	-4.07	110	45	59	-18.73	Slightly Open; No Repair Needed; Good
GRNVLY20	8/27/2014 9:30	56	36.6	0	7.4	-4.03	-4.08	110	64	61	-19.64	2nd Reading; No Repair Needed; Good
GRNVLY20	9/10/2014 10:47	51.4	36.1	0	12.5	-4.68	-4.92	110	66	71	-18.52	No Change; No Repair Needed; Good
GRNVLY20	9/25/2014 9:14	49.6	36.8	0	13.6	-4.87	-4.82	109	66	61	-20.15	No Change; No Repair Needed; Good
GRNVLY20	10/9/2014 10:40	54.4	36	0	9.6	-4.92	-5.39	110	64	64	-20.98	Slightly Open; No Repair Needed; Good
GRNVLY20	10/9/2014 10:40	54.2	36	0	9.8	-5.18	-5.44	110	66	66	-21.32	2nd Reading; No Repair Needed; Good
GRNVLY20	10/23/2014 9:33	46.8	35.4	0	17.8	-5.87	-5.48	109	57	46	-20.8	Slightly Closed; No Repair Needed; Good
GRNVLY20	10/23/2014 9:34	46.5	35.4	0	18.1	-5.18		109	42		-20.8	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY20	11/5/2014 10:10	49.2	33.1	0	17.7	-3.69		108	44		-18.56	No Change; No Repair Needed; Good
GRNVLY20	11/19/2014 10:23	52.2	35.3	0	12.5	-1.33		106	46		-10.36	No Change; No Repair Needed; Good
GRNVLY20	12/5/2014 9:36	55.6	35.8	0	8.6	-2.59		108	37		-16.14	No Change; No Repair Needed; Good
GRNVLY20	12/18/2014 9:31	56.1	34.5	0	9.4	-3.77		107	54		-16.44	No Change; No Repair Needed; Good
GRNVLY21	12/3/2013 15:10	55.3	35	0.6	9.1	-3.9	-4.2	101	9	14	-5.53	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY21	12/3/2013 15:13	57.2	36.3	0.5	6	-4.2	-4.1	101			-5.42	No Change made in Valve Position
GRNVLY21	12/17/2013 13:38	62.3	36.8	0.3	0.6	-2.6	-2.9	99	19	23	-3.83	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY21	12/17/2013 13:41	61.3	37.9	0	0.8	-2.9	-2.8	100	22	22	-3.93	No Change made in Valve Position
GRNVLY21	1/15/2014 10:35	61.7	36.7	0	1.6	2.08	1.92	93	0	0	1.38	No Change; None; Fair
GRNVLY21	1/15/2014 10:36	61.4	37.7	0	0.9	1.77	2.06	93	0	0	0.99	2nd Reading; None; Fair; 64
GRNVLY21	1/29/2014 12:42	53.8	33.6	0.3	12.3	-9.88	-10.27	104	20	29	-10.61	No Change; None; Good; 64
GRNVLY21	2/11/2014 11:35	60.6	35.3	0.1	4	-1.92	-1.86	88	21	21	-2.16	No Change; None; Good; 64
GRNVLY21	3/11/2014 12:03	62.3	37	0.1	0.6	-4.34	-4.27	101	26	25	-5.18	No Change; None; Good; 66
GRNVLY21	3/26/2014 11:40	59.4	36.4	0.2	4	-12.55	-12.55	100	27	27	-13.68	No Change; None; Good; 66
GRNVLY21	4/9/2014 9:47	61.1	37	0.2	1.7	-16.7	-16.74	101	32	31	-17.13	No Change; No Repair Needed; Good; 66
GRNVLY21	5/29/2014 10:19	58.5	36.6	0.1	4.8	-15.88	-15.53	102	36	26	-16.61	No Change; No Repair Needed; Good
GRNVLY21	6/9/2014 12:29	56.2	36.7	0.1	7	-14.24	-14.06	102	32	23	-14.88	No Change; No Repair Needed; Good; 66
GRNVLY21	6/24/2014 10:03	56.2	36.7	0	7.1	-13.98	-14.06	102	32	34	-14.45	No Change; No Repair Needed; Good; 66
GRNVLY21	7/14/2014 11:59	53.3	36.1	0	10.6	-17.92	-18.27	102	37	38	-18.38	No Change; No Repair Needed; Good; 66
GRNVLY21	7/28/2014 10:52	50.7	36.4	0.1	12.8	-17.17	-17.52	102	35	31	-17.65	No Change; No Repair Needed; Good; 66
GRNVLY21	8/12/2014 9:56	52.3	35.4	0	12.3	-16.57	-16.26	102	31	35	-16.57	No Change; No Repair Needed; Good; 66
GRNVLY21	8/27/2014 9:33	55.4	36.1	0	8.5	-16.48	-16.82	102	38	34	-16.79	No Change; No Repair Needed; Good; 66
GRNVLY21	9/10/2014 10:51	50.9	35.8	0	13.3	-17.26	-17.26	102	30	29	-17.48	No Change; No Repair Needed; Good; 66
GRNVLY21	9/25/2014 9:18	49.2	37.5	0	13.3	-17.62	-17.54	101	21	20	-18.48	No Change; No Repair Needed; Good; 68
GRNVLY21	10/9/2014 10:43	53.8	36	0	10.2	-19.28	-19.24	102	35	37	-19.81	No Change; No Repair Needed; Good; 68
GRNVLY21	10/23/2014 9:37	48	35.4	0	16.6	-19.63		101	42		-20.11	No Change; No Repair Needed; Good
GRNVLY21	11/5/2014 10:13	48	35	0	17	-17.64		101	37		-18.34	No Change; No Repair Needed; Good; 68
GRNVLY21	11/19/2014 10:26	51	35.4	0	13.6	-13.81		100	33		-14.11	No Change; No Repair Needed; Good; 68
GRNVLY21	12/5/2014 9:39	57.6	31.1	0.2	11.1	-14.5		101	35		-15.24	No Change; No Repair Needed; Good; 70
GRNVLY21	12/18/2014 9:34	57.7	35.9	0	6.4	-15.83		101	38		-16.27	No Change; No Repair Needed; Good; 70
GRNVLY22	12/4/2013 9:33	60.3	35.8	0.2	3.7	-4.4	-4.6	81	21	23	-6.03	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY22	12/4/2013 9:36	60.4	36.5	0	3.1	-4.8	-4.7	82	21	23	-5.8	No Change made in Valve Position
GRNVLY22	12/17/2013 15:45	62.2	37.7	0	0.1	-3	-3.2	78	11	13	-3.69	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY22	12/17/2013 15:48	61.8	38.1	0	0.1	-3.3	-3.3	80	10	9	-3.71	No Change made in Valve Position
GRNVLY22	1/15/2014 10:39	62.6	36.3	0	1.1	1.91	1.73	70	0	0	1.9	No Change; None; Fair
GRNVLY22	1/15/2014 10:40	62.5	37.5	0	0	1.73	1.67	70	0	0	1.68	2nd Reading; None; Fair
GRNVLY22	1/29/2014 12:50	55.8	35.5	0	8.7	-10.27	-10.27	85	26	23	-11.04	No Change; None; Good
GRNVLY22	2/11/2014 11:38	59.7	34.7	0	5.6	-2.16	-2	74	13	11	-2.11	No Change; None; Good
GRNVLY22	3/11/2014 12:05	62.3	37.1	0	0.6	-4.57	-4.62	82	22	20	-5.18	No Change; None; Good
GRNVLY22	3/26/2014 11:43	61.1	36.5	0	2.4	-13.07	-13.07	81	18	22	-14.06	No Change; None; Good
GRNVLY22	4/9/2014 9:50	61.1	36.2	0	2.7	-15.44	-15.44	81	12	13	-15.83	No Change; No Repair Needed; Good
GRNVLY22	5/29/2014 10:23	60	35.9	0	4.1	-15.7	-15.7	85	28	27	-16.87	No Change; No Repair Needed; Good
GRNVLY22	6/9/2014 12:31	57	37	0	6	-13.07	-13.03	85	15	15	-13.55	No Change; No Repair Needed; Good
GRNVLY22	6/24/2014 10:06	54.9	35.3	0	9.8	-14.32	-14.15	85	32	31	-15.88	No Change; No Repair Needed; Good
GRNVLY22	7/14/2014 12:01	51.9	36.1	0	12	-17.28	-17.23	85	37	30	-19.5	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY22	7/28/2014 10:55	50.1	35.9	0	14	-17.17	-17.17	85	34	32	-18.34	No Change; No Repair Needed; Good
GRNVLY22	8/12/2014 10:04	49.9	34.7	0	15.4	-16.57	-16.57	85	30	28	-18	No Change; No Repair Needed; Good
GRNVLY22	8/27/2014 9:37	53.4	35.1	0	11.5	-16.48	-16.48	85	30	29	-17.52	No Change; No Repair Needed; Good
GRNVLY22	9/10/2014 10:54	51.4	35.3	0	13.3	-17.26	-17.3	85	29	34	-18	No Change; No Repair Needed; Good
GRNVLY22	9/25/2014 9:21	49.5	37	0	13.5	-17.49	-17.28	84	36	36	-19.12	No Change; No Repair Needed; Good
GRNVLY22	10/9/2014 10:46	53.7	35.8	0	10.5	-18.9	-18.9	84	36	31	-20.8	No Change; No Repair Needed; Good
GRNVLY22	10/23/2014 9:41	47.8	35.3	0	16.9	-18.94	-18.51	83	32	25	-20.5	Slightly Closed; No Repair Needed; Good
GRNVLY22	10/23/2014 9:41	48.7	35.3	0	16	-17.9		83	21		-20.67	2nd Reading; No Repair Needed; Good
GRNVLY22	11/5/2014 10:16	47.1	34.5	0	18.4	-15.27	-14.8	82	29	11	-18.73	Slightly Closed; No Repair Needed; Good
GRNVLY22	11/5/2014 10:17	47.7	34.3	0	18	-14.11		81	22		-18.99	2nd Reading; No Repair Needed; Good
GRNVLY22	11/19/2014 10:29	51.3	35.2	0	13.5	-7.94		80	24		-17.26	No Change; No Repair Needed; Good
GRNVLY22	12/5/2014 9:42	57.6	35.5	0	6.9	-8.58		80	22		-16.06	No Change; No Repair Needed; Good
GRNVLY22	12/18/2014 9:38	58	34.4	0	7.6	-9.97	-10.35	79	18	27	-16.57	Slightly Open; No Repair Needed; Good
GRNVLY22	12/18/2014 9:39	58.4	36.1	0	5.5	-10.66		80	26		-16.44	2nd Reading; No Repair Needed; Good
GRNVLY23	12/4/2013 9:40	59.6	36.7	0.1	3.6	-1.6	-2.2	84	17	25	-5.83	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY23	12/4/2013 9:43	59.6	36.7	0	3.7	-2.3	-2.3	85	25	17	-5.93	No Change made in Valve Position
GRNVLY23	12/17/2013 15:53	61.8	37.8	0.3	0.1	-0.9	-1.3	81	7	9	-3.82	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY23	12/17/2013 15:56	61.7	38.2	0	0.1	-1.4	-1.6	82	13	9	-3.89	No Change made in Valve Position
GRNVLY23	1/15/2014 10:45	57.3	36.3	0	6.4	-0.01	-0.06	80	19	26	-2.72	No Change; None; Good
GRNVLY23	1/29/2014 12:54	53.8	34.8	0.1	11.3	-8.24	-8.58	88	22	28	-11.73	No Change; None; Good
GRNVLY23	2/11/2014 11:41	64.3	35.7	0	0	0.18	0.41	72	0	0	0.78	No Change; None; Fair
GRNVLY23	2/11/2014 11:42	64.2	35.8	0	0	0.23	0.48	72	0	0	0.78	2nd Reading; None; Fair
GRNVLY23	2/26/2014 11:47	54.1	30.5	0.6	14.8	-10.61	-10.66	85	23	25	-13.76	No Change; None; Good
GRNVLY23	3/11/2014 12:09	55.1	34.6	0.2	10.1	-4.56	-4.63	87	19	26	-6.6	No Change; None; Good; needs pump counter
GRNVLY23	3/26/2014 11:46	54.5	34.5	0.4	10.6	-11	-11	85	24	28	-13.81	No Change; None; Good; needs counter
GRNVLY23	4/9/2014 9:54	56.5	34.8	0.3	8.4	-13.29	-13.29	85	17	22	-15.23	No Change; No Repair Needed; Good
GRNVLY23	5/29/2014 10:26	57.8	35.8	0.2	6.2	-12.38	-12.47	88	31	26	-16.48	No Change; No Repair Needed; Good
GRNVLY23	6/9/2014 12:34	50	35.8	0.1	14.1	-10.27	-10.31	89	25	20	-13.2	No Change; No Repair Needed; Good; 204
GRNVLY23	6/24/2014 10:09	47.8	35.5	0.1	16.6	-10.96	-9.58	89	36	29	-15.83	Slightly Closed; No Repair Needed; Good; 204
GRNVLY23	6/24/2014 10:10	47.6	34.5	0.1	17.8	-9.23	-9.23	89	22	27	-15.88	2nd Reading; No Repair Needed; Good
GRNVLY23	7/14/2014 12:04	47	34.7	0.1	18.2	-9.65	-6.98	88	29	19	-18.55	Slightly Closed; No Repair Needed; Good; 204
GRNVLY23	7/14/2014 12:06	47	34.5	0.3	18.2	-6.55	-6.29	88	14	14	-19.24	2nd Reading; No Repair Needed; Good
GRNVLY23	7/28/2014 10:58	50.1	35.4	0.2	14.3	-6.13	-6.13	87	15	17	-18.99	No Change; No Repair Needed; Good; 204
GRNVLY23	8/12/2014 10:07	48.1	33.5	0.1	18.3	-5.52	-4.85	88	21	17	-18.34	Slightly Closed; No Repair Needed; Good; 204
GRNVLY23	8/12/2014 10:08	48.5	33.9	0.1	17.5	-4.69	-4.71	88	18	15	-16.92	2nd Reading; No Repair Needed; Good
GRNVLY23	8/27/2014 9:40	52.1	34.3	0.2	13.4	-4.43	-4.39	87	18	16	-17.22	No Change; No Repair Needed; Good; 204
GRNVLY23	9/10/2014 10:57	53.8	35.6	0.1	10.5	-4.8	-4.8	88	18	10	-18.26	No Change; No Repair Needed; Good; 204
GRNVLY23	9/25/2014 9:24	52	36.3	0.2	11.5	-4.82	-4.82	85	31	31	-17.84	No Change; No Repair Needed; Good; 204
GRNVLY23	10/9/2014 10:50	56.2	35.8	0.2	7.8	-4.97	-5.44	86	18	17	-20.67	Slightly Open; No Repair Needed; Good; 204
GRNVLY23	10/9/2014 10:51	56.4	36	0.1	7.5	-5.78	-5.78	86	18	17	-20.54	2nd Reading; No Repair Needed; Good
GRNVLY23	10/23/2014 9:45	47.5	35.3	0.1	17.1	-6.56	-6.21	85	14	17	-20.67	Slightly Closed; No Repair Needed; Good; 204
GRNVLY23	10/23/2014 9:46	47.5	35.2	0.3	17	-5.82		84	17		-21.15	2nd Reading; No Repair Needed; Good
GRNVLY23	11/5/2014 10:20	48.1	34.3	0.2	17.4	-4.62		83	20		-19.21	No Change; No Repair Needed; Good; 204
GRNVLY23	11/19/2014 10:31	49.8	34.6	0	15.6	-2.63		81	14		-20.5	No Change; No Repair Needed; Good; 204
GRNVLY23	12/5/2014 9:44	57.8	35.5	0.4	6.3	-3.28		78	10		-15.49	No Change; No Repair Needed; Good; 204

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY23	12/18/2014 9:41	57.8	36.2	0.5	5.5	-4.84		78	22		-16.57	No Change; No Repair Needed; Good; 204
GRNVLY24	12/3/2013 13:28	58.9	36.7	0.7	3.7	-1.8	-2.1	100			-7.84	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY24	12/3/2013 13:31	58.9	37	0.7	3.4	-2.3	-2.4	102			-7.8	No Change made in Valve Position
GRNVLY24	12/17/2013 10:34	60.3	38.6	0.1	1	-1.5	-1.5	97	30	29	-5.06	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY24	12/17/2013 10:37	60.3	39.2	0	0.5	-1.7	-1.6	99			-5.03	No Change made in Valve Position
GRNVLY24	1/15/2014 9:50	61.6	36.2	0	2.2	-0.64	-0.51	90	12	23	-2.8	No Change; None; Good
GRNVLY24	1/29/2014 11:57	36.3	29.5	0.8	33.4	-7.55	-6.26	100	30	9	-12.12	Slightly Closed; None; Good
GRNVLY24	1/29/2014 11:58	33.4	30.8	0.1	35.7	-5.82	-5.82	100	8	9	-15.75	2nd Reading; None; Good
GRNVLY24	2/11/2014 10:51	61.2	33.7	0	5.1	-2.46	-2.4	92	0	0	-9.15	No Change; None; Good
GRNVLY24	3/11/2014 10:36	61.9	38.1	0	0	-0.19	-0.18	87	37	37	-7.42	No Change; None; Good
GRNVLY24	3/26/2014 9:56	62	36.9	0	1.1	-2.18	-2.19	84	4	4	-14.5	No Change; None; Good
GRNVLY24	4/9/2014 9:07	57.8	35	1.2	6	-3.12	-3.13	88	8	6	-16.09	No Change; No Repair Needed; Good
GRNVLY24	5/29/2014 9:35	62	36.8	0	1.2	-3.21	-3.52	93	11	14	-20.32	Slightly Open; No Repair Needed; Good
GRNVLY24	5/29/2014 9:36	61.8	38.2	0	0	-3.7	-3.71	95	19	19	-20.02	2nd Reading; No Repair Needed; Good
GRNVLY24	6/9/2014 11:58	53.2	36.5	0	10.3	-4.42	-4.45	98	19	15	-19.37	No Change; No Repair Needed; Good
GRNVLY24	6/24/2014 9:00	49.7	35.5	0	14.8	-3.57	-3.56	96	13	13	-13.42	No Change; No Repair Needed; Good
GRNVLY24	7/14/2014 11:24	39.1	31.1	2.1	27.7	-5.51	-4.76	96	13	5	-25.31	Slightly Closed; No Repair Needed; Fair
GRNVLY24	7/14/2014 11:26	39.7	30.1	1.9	28.3	-4.27	-4.27	94	2	3	-25.01	2nd Reading; No Repair Needed; Fair
GRNVLY24	7/28/2014 10:18	51.6	34.5	0	13.9	-2.75	-2.75	81	4	3	-25.25	No Change; No Repair Needed; Good
GRNVLY24	8/12/2014 9:18	52.4	32.7	0.2	14.7	-2.62	-2.62	91	6	5	-25.55	No Change; No Repair Needed; Good
GRNVLY24	8/27/2014 8:54	50.5	31.4	1.4	16.7	-2.87	-2.86	86	8	7	-24.9	No Change; No Repair Needed; Good
GRNVLY24	9/10/2014 10:22	52.2	32.6	0.9	14.3	-3.04	-3.03	89	7	6	-26.67	No Change; No Repair Needed; Good
GRNVLY24	9/25/2014 8:50	51.7	33.8	1.1	13.4	-3.24	-3.22	72	6	5	-26.63	No Change; No Repair Needed; Good
GRNVLY24	10/9/2014 10:14	51.1	31	2.5	15.4	-2.65	-2.64	75	12	10	-24.64	No Change; No Repair Needed; Good
GRNVLY24	10/23/2014 9:04	52.2	33.7	1.8	12.3	-3.06		59	6		-25.46	No Change; No Repair Needed; Good
GRNVLY24	11/5/2014 8:58	51.5	33.8	0.9	13.8	-3.45		56	13		-25.59	No Change; No Repair Needed; Good
GRNVLY24	11/19/2014 10:00	56.5	35.8	0.4	7.3	-0.5		51	0		-13.81	No Change; No Repair Needed; Good
GRNVLY24	12/5/2014 9:09	57.6	36.4	1.3	4.7	-1.11		49	7		-16.66	No Change; No Repair Needed; Good
GRNVLY24	12/18/2014 9:08	57.1	32.6	0.8	9.5	-2.21		44	19		-19.46	No Change; No Repair Needed; Good
GRNVLY25	12/3/2013 13:12	55.2	36.1	0.5	8.2	-3.8	-4.3	97			-8.85	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	12/3/2013 13:15	54.8	35.3	0.9	9	-4.3	-4.2	100			-8.84	No Change made in Valve Position
GRNVLY25	12/17/2013 10:22	60.4	38.9	0	0.7	-2.6	-2.9	89			-5.18	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	12/17/2013 10:24	60.2	39.1	0	0.7	-3.4	-3.3	92			-5.04	No Change made in Valve Position
GRNVLY25	1/15/2014 11:42	58.6	35.7	0	5.7	-1.57	-1.5	70	16	12	-1.81	No Change; None; Good; 155354
GRNVLY25	1/29/2014 14:07	43	33.3	0.1	23.6	-6.56	-5.48	92	16	13	-10.01	Slightly Closed; None; Good; 157378
GRNVLY25	1/29/2014 14:08	43.3	33.6	0.3	22.8	-3.75	-3.74	90	13	11	-7.94	2nd Reading; None; Good
GRNVLY25	2/11/2014 12:40	58.8	34.7	0	6.5	-2.28	-2.24	81	13	7	-8.89	No Change; None; Good; 158401
GRNVLY25	3/11/2014 13:05	61.7	37.5	0	0.8	-0.75	-0.76	91	7	7	-5.91	No Change; None; Good; 162086
GRNVLY25	3/26/2014 12:46	60.2	36.9	0	2.9	-2.89	-2.88	86	10	12	-15.49	No Change; None; Good; 164924
GRNVLY25	4/9/2014 11:54	61.6	38.4	0	0	-3.65	-4.14	94	7	2	-19.89	Slightly Open; No Repair Needed; Good; 167454
GRNVLY25	4/9/2014 11:55	61.5	38.5	0	0	-4.42	-4.41	96	13	10	-17.21	2nd Reading; No Repair Needed; Good
GRNVLY25	5/29/2014 13:24	57.1	36.6	0.1	6.2	-6.86	-7.2	106	12	7	-22.78	Slightly Open; No Repair Needed; Good; 170933
GRNVLY25	5/29/2014 13:25	57.4	39.1	0.1	3.4	-8.24	-8.24	107	12	14	-22.04	2nd Reading; No Repair Needed; Good
GRNVLY25	6/9/2014 13:24	52.7	35.3	0	12	-8.54	-8.54	107	7	9	-19.67	No Change; No Repair Needed; Good; 173135
GRNVLY25	6/24/2014 12:09	51.9	35.6	0	12.5	-7.98	-7.98	109	11	17	-18.38	No Change; No Repair Needed; Good; 175788

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY25	7/14/2014 12:54	49.7	36.8	0	13.5	-9.65	-9.65	108	9	6	-25.66	No Change; No Repair Needed; Good; 179142
GRNVLY25	7/28/2014 12:31	47.3	36.2	0.1	16.4	-9.23	-8.15	107	13	1	-25.94	Slightly Closed; No Repair Needed; Good; 181634
GRNVLY25	7/28/2014 12:32	47.9	36	0.1	16	-6.47	-6.47	105	10	8	-24.56	2nd Reading; No Repair Needed; Good
GRNVLY25	8/12/2014 11:56	54.7	37.8	0.1	7.4	-4.13	-4.39	106	6	8	-25.21	Slightly Open; No Repair Needed; Good; 184002
GRNVLY25	8/12/2014 11:56	55	37.4	0.1	7.5	-4.77	-4.76	107	7	10	-25.55	2nd Reading; No Repair Needed; Good
GRNVLY25	8/27/2014 11:54	53.7	36.8	0.1	9.4	-5.31	-5.31	109	7	6	-23.48	No Change; No Repair Needed; Good
GRNVLY25	9/10/2014 12:36	55.8	37.6	0.1	6.5	-5.09	-5.61	107	8	4	-25.59	Slightly Open; No Repair Needed; Good; 188391
GRNVLY25	9/10/2014 12:37	55.8	37.6	0.1	6.5	-6.08	-6.08	108	10	8	-25.25	2nd Reading; No Repair Needed; Good
GRNVLY25	9/25/2014 11:18	52.5	37.8	0.1	9.6	-6.89	-6.89	107	13	13	-24.58	No Change; No Repair Needed; Good; 190706
GRNVLY25	10/9/2014 12:36	54.4	38.1	0	7.5	-7.59	-7.59	103	5	5	-25.16	No Change; No Repair Needed; Good; 192854
GRNVLY25	10/23/2014 11:51	54	37.7	0.1	8.2	-6.95	-7.59	104	10	6	-25.59	Slightly Open; No Repair Needed; Good; 194725
GRNVLY25	10/23/2014 11:52	53.8	37.7	0.1	8.4	-8.28		106	5		-24.17	2nd Reading; No Repair Needed; Good
GRNVLY25	11/5/2014 12:30	49.3	35.7	0.1	14.9	-9.53		105	9		-25.9	No Change; No Repair Needed; Good; 196529
GRNVLY25	11/19/2014 12:14	52.7	36.7	0.1	10.5	-4.13		96	0		-10.06	No Change; No Repair Needed; Good; 198384
GRNVLY25	12/5/2014 11:44	57.5	35.8	0.1	6.6	-7.2		102	10		-17.65	No Change; No Repair Needed; Good; 200030
GRNVLY25	12/18/2014 11:40	56.5	36.1	0.1	7.3	-8.24		103	40		-19.38	No Change; No Repair Needed; Good; 201803
GRNVLY28	12/3/2013 13:53	55.4	37.8	0.9	5.9	-2.8	-3.4	106	13	21	-6.63	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	12/3/2013 13:58	53.7	37.3	0.8	8.2	-3.5	-3.7	108			-6.67	No Change made in Valve Position
GRNVLY28	12/17/2013 10:54	59.5	40.4	0	0.1	-2.4	-2.7	97	19	33	-4.34	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	12/17/2013 10:57	59.7	40.2	0	0.1	-2.9	-2.9	100	20	22	-4.3	No Change made in Valve Position
GRNVLY28	1/15/2014 10:03	55.9	38.2	0.4	5.5	-1.54	-1.57	92	18	23	-3.8	No Change; None; Good; 54939
GRNVLY28	1/29/2014 12:10	52.8	35.2	0.1	11.9	-11.22	-11	108	44	40	-14.24	No Change; None; Good; 58598
GRNVLY28	2/11/2014 11:01	59.4	35.6	0	5	-9.58	-9.58	102	37	38	-12.38	No Change; None; Good; 60430
GRNVLY28	3/11/2014 10:45	60.1	37.2	0.2	2.5	-6.47	-6.47	95	16	12	-6.99	No Change; None; Good; 61743
GRNVLY28	3/26/2014 10:05	58.4	36.6	0.2	4.8	-11.56	-11.6	95	18	24	-13.76	No Change; None; Good; 61743
GRNVLY28	4/9/2014 9:17	59	37.1	0.1	3.8	-14.19	-14.5	100	17	38	-17.95	Slightly Open; No Repair Needed; Good; 61749
GRNVLY28	4/9/2014 9:18	59.3	37.9	0.1	2.7	-14.41	-14.41	100	32	31	-16.18	2nd Reading; No Repair Needed; Good
GRNVLY28	5/29/2014 9:46	57.9	38	0.1	4	-14.67	-14.84	106	22	25	-19.03	Slightly Open; No Repair Needed; Good; 63120
GRNVLY28	5/29/2014 9:47	57.8	38.8	0	3.4	-15.19	-15.19	106	25	26	-18.64	2nd Reading; No Repair Needed; Good
GRNVLY28	6/9/2014 12:06	57.4	38	0	4.6	-14.41	-14.41	108	24	23	-17.69	No Change; No Repair Needed; Good; 63126
GRNVLY28	6/24/2014 9:08	56.9	38.1	0.1	4.9	-10.74	-11.04	108	16	20	-12.42	Slightly Open; No Repair Needed; Good; 63126
GRNVLY28	6/24/2014 9:10	56.5	37.5	0	6	-12.42	-12.42	108	29	26	-14.8	2nd Reading; No Repair Needed; Good
GRNVLY28	7/14/2014 11:33	53.3	37.8	0.1	8.8	-18.57	-18.57	108	37	31	-23.33	No Change; No Repair Needed; Good; 63126
GRNVLY28	7/28/2014 10:27	48.6	36.8	0.1	14.5	-19.28	-19.28	108	35	36	-23.82	No Change; No Repair Needed; Good; 63153
GRNVLY28	8/12/2014 9:26	48.2	35.6	0	16.2	-19.67	-19.67	109	36	38	-24.73	No Change; No Repair Needed; Good; 66138
GRNVLY28	8/27/2014 9:04	50.2	36.3	0	13.5	-18.55	-18.55	110	33	35	-23.74	No Change; No Repair Needed; Good; 68777
GRNVLY28	9/10/2014 10:28	52.3	36.9	0	10.8	-18.64	-18.68	109	30	34	-25.21	No Change; No Repair Needed; Good; 71226
GRNVLY28	9/25/2014 8:55	51.7	38.7	0	9.6	-18.14	-18.22	108	29	28	-23.6	No Change; No Repair Needed; Good; 73719
GRNVLY28	10/9/2014 10:20	53.6	37.1	0.2	9.1	-16.01	-16.09	108	33	32	-22.36	No Change; No Repair Needed; Good; 75981
GRNVLY28	10/23/2014 9:14	51.7	37.3	0.1	10.9	-16.05		107	30		-22.53	No Change; No Repair Needed; Good; 78168
GRNVLY28	11/5/2014 9:03	49.5	35.3	0.1	15.1	-17.08		106	32		-25.55	No Change; No Repair Needed; Good; 80109
GRNVLY28	11/19/2014 10:04	50.9	36	0.5	12.6	-8.28		102	18		-11.48	No Change; No Repair Needed; Good; 82117
GRNVLY28	12/5/2014 9:15	55.7	37.1	0.2	7	-10.61		104	24		-15.84	No Change; No Repair Needed; Good; 83849
GRNVLY28	12/18/2014 9:13	57.8	36.9	0.1	5.2	-12.47		103	27		-19.03	No Change; No Repair Needed; Good; 85378
GRNVLY29	12/3/2013 12:54	53.6	35.9	1.4	9.1	-0.8	-1.1	103	16	13	-8.83	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY29	12/3/2013 12:57	53.1	36.4	1.5	9	-1.3	-1.2	106	16	15	-8.83	No Change made in Valve Position
GRNVLY29	12/17/2013 9:15	53.7	37.2	0.8	8.3	-0.4	-0.5	92	6	7	-4.34	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY29	12/17/2013 9:18	53.1	38.1	0.9	7.9	-0.6	-0.6	93	25	25	-4.57	No Change made in Valve Position
GRNVLY29	1/15/2014 11:33	56.8	37	0.1	6.1	-0.08	-0.03	80	6	10	-2.5	No Change; None; Good; 105929
GRNVLY29	1/29/2014 13:56	28.8	25.3	2.9	43	-1.25	-1.05	72	6	0	-3.15	No Change; None; Fair; 106600
GRNVLY29	1/29/2014 13:57	27.9	28.1	3	41	-0.8	-0.83	72	0	0	-3.75	2nd Reading; None; Fair
GRNVLY29	2/11/2014 12:34	47.9	30.8	2.2	19.1	-0.34	-0.34	65	4	4	-10.7	No Change; None; Good; 106851
GRNVLY29	3/11/2014 12:56	59.7	38.5	0	1.8	0.53	-0.02	92	10	10	-5.22	Slightly Open; None; Good; 107997
GRNVLY29	3/11/2014 12:57	58.1	37.7	0.5	3.7	-0.3	-0.33	98	10	11	-5.26	2nd Reading; None; Good
GRNVLY29	3/26/2014 12:38	40.6	31.1	2.7	25.6	-2.89	-2.31	97	9	2	-14.06	Slightly Closed; None; Good; 108806
GRNVLY29	3/26/2014 12:39	37.6	30.4	3.9	28.1	-1.37	-1.38	92	0	4	-14.06	2nd Reading; None; Good
GRNVLY29	4/9/2014 11:46	45.6	31.5	4.6	18.3	-0.95	-0.97	74	28	29	-15.27	No Change; No Repair Needed; Fair; 109583
GRNVLY29	5/29/2014 13:17	52.5	34.7	2.1	10.7	-0.21	-0.21	86	9	11	-20.92	No Change; No Repair Needed; Good
GRNVLY29	6/9/2014 13:18	54.9	37.2	1.8	6.1	-0.1	-0.09	89	7	6	-17	No Change; No Repair Needed; Fair; 110375
GRNVLY29	6/24/2014 12:02	59.9	40.1	0	0	0.02	-0.06	95	6	4	-12.81	Slightly Open; No Repair Needed; Good; 110598
GRNVLY29	6/24/2014 12:03	57.7	39.1	0.9	2.3	-0.14	-0.15	95	10	7	-14.28	2nd Reading; No Repair Needed; Good
GRNVLY29	7/14/2014 12:48	54.3	36.7	1.3	7.7	-0.19	-0.19	89	9	9	-22.64	No Change; No Repair Needed; Good; 110892
GRNVLY29	7/28/2014 12:22	49.8	35.1	2.8	12.3	-0.23	-0.23	79	4	4	-17.61	No Change; No Repair Needed; Good; 111002
GRNVLY29	8/12/2014 11:49	54.4	36.9	1.1	7.6	-0.07	-0.05	91	4	5	-24.77	No Change; No Repair Needed; Good; 111002
GRNVLY29	8/27/2014 11:35	55.8	36.5	0.8	6.9	-0.06	-0.07	98	6	4	-22.92	No Change; No Repair Needed; Good; 111002
GRNVLY29	9/10/2014 12:25	58.8	38.6	0	2.6	-0.01	-0.29	92	7	7	-24.47	Slightly Open; No Repair Needed; Good; 111002
GRNVLY29	9/10/2014 12:26	56.1	38.9	1	4	-0.74	-0.73	93	8	6	-24.82	2nd Reading; No Repair Needed; Good
GRNVLY29	9/25/2014 11:07	49.2	34.5	2	14.3	-1.12	-1.11	99	8	6	-23.9	No Change; No Repair Needed; Good; 111015
GRNVLY29	10/9/2014 12:12	51.6	35.7	1	11.7	-1.73	-1.71	100	15	13	-23.48	No Change; No Repair Needed; Good; 111111
GRNVLY29	10/23/2014 11:37	0	0.1	21	78.9	1.69	-0.04	73	0	0	-21.41	Slightly Open; Pump Maintenance Required; Fair; 111369; pump bypassing into well
GRNVLY29	10/23/2014 11:38	0	0	20.8	79.2	-0.79		78	0		-21.19	2nd Reading; Pump Maintenance Required; Fair
GRNVLY29	11/5/2014 11:03	41.3	31.3	0.4	27	-0.91	-0.82	101	12	8	-24.9	Slightly Closed; No Repair Needed; Good; 112564
GRNVLY29	11/5/2014 11:04	41.1	30.7	0.5	27.7	-0.69		99	10		-25.21	2nd Reading; No Repair Needed; Good
GRNVLY29	11/19/2014 11:10	53	34.5	0	12.5	0.29	-0.21	79	0	27	-21.58	Slightly Open; No Repair Needed; Good; 116043
GRNVLY29	11/19/2014 11:11	53.1	35.7	0.1	11.1	-0.23		86	5		-21.45	2nd Reading; No Repair Needed; Good
GRNVLY29	12/5/2014 10:19	56.7	35.8	0	7.5	-0.29		89	6		-15.93	No Change; No Repair Needed; Good; 117974
GRNVLY29	12/18/2014 10:14	54.9	35.7	0.8	8.6	-0.65		76	7		-18.13	No Change; No Repair Needed; Good; 120186
GRNVLY30	12/3/2013 14:10	53.8	36.2	0.5	9.5	-1.3	-1.6	108			-6.2	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY30	12/3/2013 14:13	53.6	36.7	0.3	9.4	-1.9	-1.9	112	15		-6.28	No Change made in Valve Position
GRNVLY30	12/17/2013 11:10	61.3	36.9	0.8	1	-1.3	-1.5	109	26	34	-3.79	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY30	12/17/2013 11:13	60.4	38.2	0.5	0.9	-1.9	-1.9	112	22		-4.21	No Change made in Valve Position
GRNVLY30	1/15/2014 10:13	60.8	36.7	0	2.5	-0.72	-0.89	108	10	13	-1.38	No Change; None; Good
GRNVLY30	1/29/2014 12:20	28.6	23.2	3.2	45	-8.24	-6.17	115	28	4	-12.99	Slightly Closed; None; Fair
GRNVLY30	1/29/2014 12:21	28.3	26.7	3	42	-5.48	-5.48	108	5	5	-12.77	2nd Reading; None; Fair
GRNVLY30	2/11/2014 11:11	63	36.3	0	0.7	0.98	-0.24	88	6	19	-11	Slightly Open; Good
GRNVLY30	2/11/2014 11:12	62.3	36.3	0	1.4	-0.79	-0.74	94	17	18	-12.68	2nd Reading; None; Good
GRNVLY30	3/11/2014 10:53	61.5	35.5	0	3	-1.94	-1.95	107	14	15	-7.2	No Change; None; Good
GRNVLY30	3/26/2014 10:16	47.4	31.9	2.4	18.3	-5.52	-4.81	107	10	3	-13.46	Slightly Closed; None; Good
GRNVLY30	3/26/2014 10:17	47.6	31.7	2.2	18.5	-4.33	-4.3	100	2	10	-13.72	2nd Reading; None; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY30	4/9/2014 9:28	55.4	34.4	1	9.2	-3.19	-3.18	88	4	4	-13.11	No Change; No Repair Needed; Good
GRNVLY30	5/29/2014 9:54	57.9	36.3	0.3	5.5	-2.24	-2.36	95	6	5	-18.59	Slightly Open; No Repair Needed; Good
GRNVLY30	5/29/2014 9:55	57.9	36.1	0.3	5.7	-2.51	-2.51	98	37	37	-18.64	2nd Reading; No Repair Needed; Good
GRNVLY30	6/9/2014 12:11	48	33.9	0.9	17.2	-2.63	-2.63	105	8	8	-17.13	No Change; No Repair Needed; Good
GRNVLY30	6/24/2014 9:15	52.2	34.7	0.3	12.8	-1.55	-1.56	93	5	6	-14.75	No Change; No Repair Needed; Good
GRNVLY30	7/14/2014 11:38	48.7	33.9	0.4	17	-1.92	-1.89	90	12	0	-20.92	Slightly Closed; No Repair Needed; Good
GRNVLY30	7/14/2014 11:39	49.4	35.3	0.3	15	-1.86	-1.86	90	2	3	-20.53	2nd Reading; No Repair Needed; Good
GRNVLY30	7/28/2014 10:32	53	34.7	0.2	12.1	-1.54	-1.54	89	5	4	-24.34	No Change; No Repair Needed; Good
GRNVLY30	8/12/2014 9:32	55.1	35.6	0	9.3	-1.2	-1.27	92	5	9	-22.53	Slightly Open; No Repair Needed; Good
GRNVLY30	8/12/2014 9:33	55.5	36.6	0	7.9	-1.34	-1.34	93	4	4	-24.6	2nd Reading; No Repair Needed; Good
GRNVLY30	8/27/2014 9:09	57.3	35.5	0	7.2	-1.47	-1.59	99	6	9	-21.58	Slightly Open; No Repair Needed; Good
GRNVLY30	8/27/2014 9:10	57.5	36.5	0	6	-1.68	-1.67	101	13	21	-23.39	2nd Reading; No Repair Needed; Good
GRNVLY30	9/10/2014 10:32	55.9	34.7	0.2	9.2	-2.11	-2.23	103	7	8	-23.91	Slightly Open; No Repair Needed; Good
GRNVLY30	9/10/2014 10:33	56.4	36.8	0.2	6.6	-2.36	-2.37	105	33	34	-25.64	2nd Reading; No Repair Needed; Good
GRNVLY30	9/25/2014 9:01	47.9	35.3	0.8	16	-2.82	-2.76	102	39	39	-24.2	No Change; No Repair Needed; Good
GRNVLY30	10/9/2014 10:25	56	35	0.1	8.9	-1.8	-1.88	91	30	33	-19.64	Slightly Open; No Repair Needed; Good
GRNVLY30	10/9/2014 10:26	57	36.2	0.1	6.7	-2.05	-2.05	95	42	42	-21.45	2nd Reading; No Repair Needed; Good
GRNVLY30	10/23/2014 9:20	50.9	34.8	0.5	13.8	-2.46		92	27		-22.18	No Change; No Repair Needed; Good
GRNVLY30	11/5/2014 9:08	49.3	33.1	0.5	17.1	-2.47		84	15		-22.83	No Change; No Repair Needed; Good
GRNVLY30	11/19/2014 10:09	56.7	35.2	0	8.1	-0.53		69	0		-11.48	No Change; No Repair Needed; Good
GRNVLY30	12/5/2014 9:19	60.8	36.6	0	2.6	-0.81	-0.86	69	4	14	-13.81	Slightly Open; No Repair Needed; Good
GRNVLY30	12/5/2014 9:20	61	37.3	0	1.7	-1.02		75	37		-15.49	2nd Reading; No Repair Needed; Good
GRNVLY30	12/18/2014 9:16	57.7	37.1	0.1	5.1	-2.26		81	19		-17.09	No Change; No Repair Needed; Good
GRNVLY31	12/3/2013 14:34	60.6	39.3	0	0.1	-5.8	-5.7	61	7	8	-5.84	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY31	12/3/2013 14:38	60.8	39.1	0	0.1	-5.7	-5.7	64	9	8	-5.96	No Change made in Valve Position
GRNVLY31	12/17/2013 11:23	59.9	39.9	0.1	0.1	-4	-3.9	45	10	10	-3.83	Slightly Opened less than 1/4 turn; Inc Flow/Vacuum
GRNVLY31	12/17/2013 11:25	61.9	37.5	0.5	0.1	-3.9	-3.9	45	9	9	-3.99	No Change made in Valve Position
GRNVLY31	1/15/2014 10:20	61.6	37.6	0	0.8	-2.17	-1.95	56	13	15	-2.03	No Change; None; Good
GRNVLY31	1/29/2014 12:27	49.9	33.1	0.8	16.2	-13.89	-14.11	72	10	28	-13.76	No Change; None; Good
GRNVLY31	2/11/2014 11:24	56.2	34.5	0	9.3	-10.96	-10.61	68	20	11	-10.35	No Change; None; Good
GRNVLY31	3/11/2014 10:59	62.1	37.9	0	0	-7.16	-7.16	96	0	0	-6.9	No Change; None; Good
GRNVLY31	3/26/2014 10:23	57.5	36.3	0	6.2	-13.76	-13.76	84	0	0	-13.76	No Change; None; Good
GRNVLY31	4/9/2014 9:34	59	35.9	0	5.1	-17.43	-17.43	89	0	0	-17.47	No Change; No Repair Needed; Good
GRNVLY31	5/29/2014 10:05	58.7	35.8	0	5.5	-18.64	-18.68	109	12	16	-18.94	No Change; No Repair Needed; Good
GRNVLY31	6/9/2014 12:18	57.8	36.5	0	5.7	-17.52	-17.43	109	0	0	-17.34	No Change; No Repair Needed; Good
GRNVLY31	6/24/2014 9:22	59	36.7	0	4.3	-16.22	-16.22	106	0	0	-16.39	No Change; No Repair Needed; Fair
GRNVLY31	7/14/2014 11:48	56.6	36.5	0	6.9	-21.76	-22.06	105	12	26	-21.91	No Change; No Repair Needed; Good
GRNVLY31	7/28/2014 10:40	54	37.6	0	8.4	-23.04	-23.12	105	20	22	-22.87	No Change; No Repair Needed; Good
GRNVLY31	8/12/2014 9:40	54.5	36.9	0	8.6	-24.55	-24.94	109	0	0	-24.26	No Change; No Repair Needed; Good
GRNVLY31	8/27/2014 9:20	56.6	37	0	6.4	-23.9	-24.42	111	14	20	-23.09	No Change; No Repair Needed; Good
GRNVLY31	9/10/2014 10:40	55.9	37.6	0	6.5	-24.07	-23.81	109	10	15	-23.95	No Change; No Repair Needed; Good
GRNVLY31	9/25/2014 9:07	53.5	38.7	0	7.8	-24.47	-24.13	107	20	20	-25.27	No Change; No Repair Needed; Good
GRNVLY31	10/9/2014 10:33	57.7	37	0	5.3	-22.35	-22.43	105	13	18	-22.31	No Change; No Repair Needed; Good
GRNVLY31	10/23/2014 9:27	57.2	37.4	0	5.4	-22.04		105	11		-22.18	No Change; No Repair Needed; Good
GRNVLY31	11/5/2014 9:16	53.9	35.5	0	10.6	-24.85		104	22		-25.59	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY31	11/19/2014 10:17	55.6	36.1	0	8.3	-10.74		94	7		-10.4	No Change; No Repair Needed; Good
GRNVLY31	12/5/2014 9:27	57.6	35.9	0	6.5	-16.01		90	11		-15.88	No Change; No Repair Needed; Good
GRNVLY31	12/18/2014 9:23	57.5	35.3	0	7.2	-18.25		98	13		-18.43	No Change; No Repair Needed; Good
GRNVLY33	12/4/2013 9:25	16.7	12.9	13.4	57	-1	-2	102	20	42	-5.65	NSPS/EG CAI; Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY33	12/4/2013 9:27	26.3	17.6	9.8	46.3	-2.1	-2.1	111	43	42	-5.62	No Change made in Valve Position
GRNVLY33	12/11/2013 10:53	51.4	32.4	2.5	13.7	-2.1	-2.1	127	32	31	-4.28	No Change made in Valve Position
GRNVLY33	12/17/2013 14:18	55.9	34.4	1.3	8.4	-1.3	-1.5	125	32	35	-3.82	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY33	12/17/2013 14:21	55.8	35.2	1.1	7.9	-1.4	-1.4	128	36	36	-3.82	No Change made in Valve Position
GRNVLY33	1/15/2014 11:03	53.3	34.4	0	12.3	-0.47	-0.55	94	27	31	-1.55	No Change; None; Good
GRNVLY33	1/29/2014 13:03	21.2	19.3	10.2	49.3	-6.82	-4.66	80	55	4	-11.73	Slightly Closed; None; Fair
GRNVLY33	1/29/2014 13:05	17.7	15.8	12.1	54.4	-4.02	-3.99	80	11	2	-14.45	2nd Reading; None; Fair
GRNVLY33	2/11/2014 12:12	31.9	23.8	4.6	39.7	-2.48	-2.47	65	0	0	-9.92	No Change; None; Fair
GRNVLY33	3/11/2014 12:35	56.9	33.6	0	9.5	-0.02	-0.02	77	10	10	-7.33	No Change; None; Good
GRNVLY33	3/26/2014 12:13	48.2	28.1	1.4	22.3	-4.37	-4.32	100	36	33	-13.11	Slightly Closed; None; Good
GRNVLY33	3/26/2014 12:14	47.7	32.2	1.1	19	-4.26	-4.26	100	22	23	-13.46	2nd Reading; None; Good
GRNVLY33	4/9/2014 10:21	46.1	32.4	0.7	20.8	-6.82	-6.82	100	6	4	-15.83	Slightly Closed; No Repair Needed; Good
GRNVLY33	4/9/2014 10:22	45.5	31.4	0.7	22.4	-6.82	-6.82	98	7	7	-16.18	2nd Reading; No Repair Needed; Good
GRNVLY33	5/29/2014 13:04	16.7	25.9	0.6	56.8	-4.16	-4.13	95	39	9	-17.56	Slightly Closed; No Repair Needed; Good
GRNVLY33	5/29/2014 13:05	16.2	24.9	0.7	58.2	-4.09	-4.09	93	11	11	-16.87	2nd Reading; No Repair Needed; Good
GRNVLY33	6/9/2014 13:02	17.6	22.3	2.4	57.7	-3.16	-3.15	99	6	4	-15.44	No Change; No Repair Needed; Fair; valve barely cracked
GRNVLY33	6/24/2014 10:40	17.1	19.3	3.6	60	-2.57	-2.45	108	11	9	-14.8	Slightly Closed; No Repair Needed; Fair
GRNVLY33	6/24/2014 10:41	19.7	22.3	3.3	54.7	-2.3	-2.31	103	5	5	-13.76	2nd Reading; No Repair Needed; Fair
GRNVLY33	7/14/2014 12:36	23.2	21.2	3.5	52.1	-2.31	-2.29	121	0	0	-19.63	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY33	7/28/2014 11:33	19.8	21.3	4.9	54	-4.04	-4.02	125	3	2	-16.57	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY33	8/12/2014 10:42	34.8	23.7	4.9	36.6	-0.45	-0.45	86	4	4	-16.88	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY33	8/27/2014 10:12	35.2	26	4.9	33.9	-0.66	-0.66	90	5	6	-15.49	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY33	9/10/2014 11:27	26	21.8	4.9	47.3	-1.11	-1.05	103	7	5	-19.55	No Change; No Repair Needed; Fair; valve barely cracked
GRNVLY33	9/25/2014 9:52	26.1	22.3	4.9	46.7	-1.72	-1.71	117	4	7	-18.44	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY33	10/9/2014 11:20	30	23.2	4.1	42.7	-2.16	-2.13	119	13	12	-21.1	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY33	10/23/2014 10:14	22.6	21.9	4.9	50.6	-2.16		119	5		-18.77	No Change; No Repair Needed; Fair; well influence
GRNVLY33	11/5/2014 10:51	23.1	21.8	4.9	50.2	-2.61		127	0		-17.52	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY33	11/19/2014 10:59	33.4	28.1	0.9	37.6	0.36	-0.01	45	4	12	-20.98	Slightly Open; No Repair Needed; Fair
GRNVLY33	11/19/2014 11:01	34.9	27.7	0.3	37.1	-0.01		93	8		-20.8	2nd Reading; No Repair Needed; Fair
GRNVLY33	12/5/2014 10:10	44.4	31.9	2.1	21.6	-1.32	-1.27	116	8	7	-15.93	Slightly Closed; No Repair Needed; Fair
GRNVLY33	12/5/2014 10:11	44.4	30.6	2.1	22.9	-1.23		113	7		-15.49	2nd Reading; No Repair Needed; Fair
GRNVLY33	12/18/2014 10:05	38.3	31.4	3.4	26.9	-2		89	0		-17.61	No Change; No Repair Needed; Fair; valve barely cracked
GRNVLY34	12/3/2013 14:44	55.4	35.8	0.7	8.1	-2.8	-3.7	103			-5.6	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY34	12/3/2013 14:47	57.7	36.7	0.7	4.9	-3.8	-3.9	106			-5.62	No Change made in Valve Position
GRNVLY34	12/17/2013 11:29	61.3	38.2	0.3	0.2	-2.9	-3.2	99	15		-3.79	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY34	12/17/2013 11:33	60.8	38.4	0.7	0.1	-3.3	-3.4	101			-3.94	No Change made in Valve Position
GRNVLY34	1/15/2014 10:23	56.7	35.7	0	7.6	-1.29	-1.45	96	43	36	-0.82	No Change; None; Good
GRNVLY34	1/29/2014 12:30	37	31.1	0.4	31.5	-12.12	-8.24	102	60	15	-14.37	Slightly Closed; None; Good
GRNVLY34	1/29/2014 12:31	35.5	30.7	0.7	33.1	-6.51	-6.51	98	9	14	-15.1	2nd Reading; None; Good
GRNVLY34	2/11/2014 11:27	59.5	35.1	0	5.4	-1.11	-1.09	95	92	91	-10.27	No Change; None; Good
GRNVLY34	3/11/2014 11:02	62.1	37.2	0	0.7	-0.14	-0.17	86	81	86	-6.95	No Change; None; Good
GRNVLY34	3/26/2014 10:26	52.3	35.2	0	12.5	-6.21	-6.21	100	81	82	-13.98	No Change; None; Good
GRNVLY34	4/9/2014 9:37	52.5	34.7	0.4	12.4	-8.54	-8.54	103	14	11	-18.46	No Change; No Repair Needed; Good
GRNVLY34	5/29/2014 10:08	49.8	34.1	0.1	16	-6.9	-6.9	106	23	24	-18.98	No Change; No Repair Needed; Good
GRNVLY34	6/9/2014 12:20	50.7	36	0.1	13.2	-6.13	-6.13	106	22	17	-16.95	No Change; No Repair Needed; Good
GRNVLY34	6/24/2014 9:25	51.9	34.7	0.1	13.3	-5.57	-5.57	107	24	18	-17.21	No Change; No Repair Needed; Good
GRNVLY34	7/14/2014 11:51	52.2	35.6	0	12.2	-6.55	-6.55	106	24	21	-21.95	No Change; No Repair Needed; Good
GRNVLY34	7/28/2014 10:42	50.3	35.6	0.2	13.9	-7.16	-7.16	105	51	56	-24.17	No Change; No Repair Needed; Good
GRNVLY34	8/12/2014 9:42	53.4	35.5	0.1	11	-6.9	-6.9	107	68	71	-25.03	No Change; No Repair Needed; Good
GRNVLY34	8/27/2014 9:23	54	35.4	0.2	10.4	-6.86	-6.86	107	60	58	-25.16	No Change; No Repair Needed; Good
GRNVLY34	9/10/2014 10:43	52.7	35.7	0	11.6	-6.95	-6.95	107	59	59	-24.51	No Change; No Repair Needed; Good
GRNVLY34	9/25/2014 9:10	50.8	37.2	0.2	11.8	-6.85	-6.85	105	24	23	-24.5	No Change; No Repair Needed; Good
GRNVLY34	10/9/2014 10:35	54.5	36.4	0	9.1	-6.51	-6.47	105	31	28	-22.92	No Change; No Repair Needed; Good
GRNVLY34	10/23/2014 9:29	51.5	36.7	0.2	11.6	-6.86		104	47		-22.87	No Change; No Repair Needed; Good
GRNVLY34	11/5/2014 9:19	51	35.4	0	13.6	-7.25		103	40		-25.33	No Change; No Repair Needed; Good
GRNVLY34	11/19/2014 10:19	52.4	36.1	0.1	11.4	-3.84		101	19		-10.4	No Change; No Repair Needed; Good
GRNVLY34	12/5/2014 9:30	57.1	35.9	0.2	6.8	-5.78		103	20		-15.58	No Change; No Repair Needed; Good
GRNVLY34	12/18/2014 9:25	57.7	36.4	0	5.9	-6.86		103	30		-18.86	No Change; No Repair Needed; Good
GRNVLY35	12/3/2013 15:53	50	35.6	1	13.4	-1	-0.5	138	11	8	-5.72	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn
GRNVLY35	12/3/2013 15:57	49.2	35.7	0.8	14.3	-0.4	-0.4	130	8	9	-5.91	No Change made in Valve Position; Valve Barely Open
GRNVLY35	12/17/2013 14:29	60.2	39.7	0	0.1	0.6	-0.2	98		24	-3.94	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY35	12/17/2013 14:31	59.7	40.2	0	0.1	-0.3	-0.4	118	23	28	-3.89	No Change made in Valve Position
GRNVLY35	1/15/2014 11:15	56.4	36.9	0	6.7	-0.09	-0.07	125	11	2	-3.15	No Change; None; Good; 273
GRNVLY35	1/29/2014 13:18	35.7	29.4	3.1	31.8	-4.81	-3.42	135	16	5	-12.77	Slightly Closed; None; Fair; 273
GRNVLY35	1/29/2014 13:19	35.5	28.8	3.6	32.1	-3.12	-3.1	124	4	5	-11.78	2nd Reading; None; Fair
GRNVLY35	2/11/2014 12:16	56.4	32.2	0.3	11.1	-1.97	-1.95	118	12	7	-9.45	No Change; None; Good; 273
GRNVLY35	3/11/2014 12:30	61.8	36.3	0	1.9	0.23	-0.02	79	7	6	-6.21	Slightly Open; None; Good; 273
GRNVLY35	3/11/2014 12:31	61.7	36.3	0	2	-0.22	-0.21	83	9	8	-6.56	2nd Reading; None; Good
GRNVLY35	4/9/2014 10:18	53.3	30.9	1	14.8	-4.81	-4.78	115	9	6	-14.8	No Change; Pump Maintenance Required; Good; 274
GRNVLY35	5/29/2014 12:59	47.1	32.5	2.1	18.3	-3.48	-3.32	128	37	33	-17.56	Slightly Closed; No Repair Needed; Good; 274
GRNVLY35	5/29/2014 13:00	47.4	33	2.2	17.4	-3.15	-3.16	126	12	10	-17.08	2nd Reading; No Repair Needed; Good
GRNVLY35	6/9/2014 12:58	49.4	33.5	1.1	16	-1.9	-1.91	115	6	8	-16.7	No Change; No Repair Needed; Good; 274
GRNVLY35	6/24/2014 10:35	47.2	33.2	1.6	18	-1.38	-1.18	121	38	37	-16.22	Slightly Closed; No Repair Needed; Good; 274
GRNVLY35	6/24/2014 10:36	46.2	33.1	1.6	19.1	-1.07	-1.05	119	7	6	-15.88	2nd Reading; No Repair Needed; Good
GRNVLY35	7/14/2014 12:32	57.4	35.3	0	7.3	-0.55	-0.51	95	6	5	-17.95	No Change; No Repair Needed; Good; 274
GRNVLY35	7/28/2014 11:26	57	36.1	0	6.9	-1.31	-1.3	89	18	17	-16.92	No Change; No Repair Needed; Good; 274
GRNVLY35	8/12/2014 10:38	54	36.1	0	9.9	-0.33	-0.33	98	4	4	-18.64	No Change; No Repair Needed; Good; 274

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY35	8/27/2014 10:07	57.9	36.5	0.1	5.5	-0.27	-0.4	115	7	7	-17.91	Slightly Open; No Repair Needed; Good; 1790
GRNVLY35	8/27/2014 10:08	58.7	37.8	0	3.5	-0.5	-0.49	118	8	7	-17.61	2nd Reading; No Repair Needed; Good
GRNVLY35	9/10/2014 11:22	51.8	35.4	0.1	12.7	-0.91	-0.91	120	34	34	-18.43	No Change; No Repair Needed; Good; 7101
GRNVLY35	9/25/2014 9:48	50.2	35.9	0.2	13.7	-1.17	-1.18	116	22	23	-18.1	No Change; No Repair Needed; Good; 9848
GRNVLY35	10/9/2014 11:15	53.4	33.6	0.1	12.9	-1.26	-1.25	111	9	10	-18.39	No Change; No Repair Needed; Good; 9890
GRNVLY35	10/23/2014 10:07	55.7	35.7	0	8.6	-1.27	-1.45	93	0	8	-14.24	Slightly Open; No Repair Needed; Good; 10523
GRNVLY35	10/23/2014 10:08	56.6	37.9	0	5.5	-1.56		98	8		-13.94	2nd Reading; No Repair Needed; Good
GRNVLY35	11/5/2014 10:43	45.4	32.6	1	21	-1.94	-1.83	121	25	23	-17.61	Slightly Closed; No Repair Needed; Good; 10523
GRNVLY35	11/5/2014 10:44	46.3	33.7	0.9	19.1	-1.71		118	8		-21.84	2nd Reading; No Repair Needed; Good
GRNVLY35	11/19/2014 10:55	42.8	29.7	4.1	23.4	-0.02		118	10		-20.41	No Change; No Repair Needed; Fair; 10523; valve barely cracked
GRNVLY35	12/5/2014 10:06	57.8	34.4	0	7.8	-2.14	-2.16	135	12	12	-15.24	No Change; No Repair Needed; Good; 19562
GRNVLY35	12/5/2014 10:07	57.1	36	0	6.9	-2.17		135	34		-15.54	2nd Reading; No Repair Needed; Good
GRNVLY35	12/5/2014 10:28	57.5	37.1	0	5.4	-2.16	-2.04	136	9	8	-15.84	Slightly Closed; No Repair Needed; Good
GRNVLY35	12/5/2014 10:30	58.2	37.3	0	4.5	-1.45		130	6		-15.49	2nd Reading; No Repair Needed; Good
GRNVLY35	12/18/2014 10:02	50.6	34.8	0.6	14	-1.45		95	4		-17.61	No Change; No Repair Needed; Good; 19652
GRNVLY36	12/4/2013 9:54	59	36	0	5	-5	-5.2	127	20	25	-5.54	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY36	12/4/2013 9:58	58.9	36.1	0.2	4.8	-5.2	-5.3	127	23	24	-5.53	No Change made in Valve Position
GRNVLY36	12/17/2013 15:36	62.7	37	0.2	0.1	-3.2	-3.4	125	10	9	-3.57	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY36	12/17/2013 15:40	61.9	37.2	0.8	0.1	-3.2	-3.3	126	11	8	-3.48	No Change made in Valve Position
GRNVLY36	1/15/2014 11:07	60.9	35.7	0	3.4	-2.43	-2.13	120	19	20	-2.76	No Change; None; Good
GRNVLY36	1/29/2014 13:10	58.5	31.7	0.4	9.4	-11.52	-11.48	116	20	31	-11.73	No Change; None; Good
GRNVLY36	2/11/2014 11:57	55.1	33.2	0	11.7	-10.27	-9.88	98	33	19	-11	No Change; None; Good
GRNVLY36	3/11/2014 12:24	57.7	35	0	7.3	-6.47	-6.47	125	19	20	-6.56	No Change; None; Good
GRNVLY36	3/26/2014 11:59	53.9	35.6	0	10.5	-13.03	-13.03	126	24	28	-13.46	No Change; None; Good
GRNVLY36	4/9/2014 10:08	57.5	35.7	0	6.8	-15.1	-15.1	126	23	23	-15.53	No Change; No Repair Needed; Good
GRNVLY36	5/29/2014 12:42	52.5	34.9	0	12.6	-15.66	-15.62	127	27	29	-16.57	No Change; No Repair Needed; Good
GRNVLY36	6/9/2014 12:47	49.1	35.3	0	15.6	-12.68	-12.68	126	25	25	-13.16	No Change; No Repair Needed; Good
GRNVLY36	6/24/2014 10:22	51.1	34.8	0	14.1	-14.41	-14.41	128	32	39	-15.53	No Change; No Repair Needed; Good
GRNVLY36	7/14/2014 12:19	51.1	34.6	0	14.3	-16.89	-17.23	128	35	44	-18.04	No Change; No Repair Needed; Good
GRNVLY36	7/28/2014 11:13	50.6	35.5	0	13.9	-17.17	-17.52	127	33	38	-17.78	No Change; No Repair Needed; Good
GRNVLY36	8/12/2014 10:25	51.9	34.9	0	13.2	-16.22	-16.57	128	44	39	-17.95	No Change; No Repair Needed; Good
GRNVLY36	8/27/2014 9:55	54.6	34.6	0	10.8	-16.48	-16.13	128	40	44	-17.52	No Change; No Repair Needed; Good
GRNVLY36	9/10/2014 11:10	54.7	35.7	0	9.6	-16.61	-16.35	127	41	40	-18	No Change; No Repair Needed; Good
GRNVLY36	9/25/2014 9:37	52.6	36.9	0	10.5	-16.98	-16.85	126	44	41	-18.14	No Change; No Repair Needed; Good
GRNVLY36	10/9/2014 11:05	56.4	35.6	0	8	-18.55	-18.55	127	47	43	-20.11	No Change; No Repair Needed; Good
GRNVLY36	10/23/2014 9:58	52.9	36.1	0	11	-14.19		124	23		-14.8	No Change; No Repair Needed; Good
GRNVLY36	11/5/2014 10:33	50.9	35.4	0	13.7	-16.74		126	41		-18.56	No Change; No Repair Needed; Good
GRNVLY36	11/19/2014 10:44	54.2	35.6	0	10.2	-17.86		126	53		-20.46	No Change; No Repair Needed; Good
GRNVLY36	12/5/2014 9:58	56.9	34.4	0	8.7	-14.11		125	41		-15.49	No Change; No Repair Needed; Good
GRNVLY36	12/18/2014 9:53	57.9	36.3	0	5.8	-15.14		124	33		-16.23	No Change; No Repair Needed; Good
GRNVLY37	12/3/2013 15:19	55.3	32.2	0.6	11.9	-2.9	-3.5	85	15		-5.51	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY37	12/3/2013 15:22	56.4	34.1	0	9.5	-3.6	-3.6	87			-5.67	No Change made in Valve Position
GRNVLY37	12/17/2013 13:46	60.8	34.8	0	4.4	-2.4	-2.7	83	18	18	-3.91	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY37	12/17/2013 13:50	60.1	34.7	0	5.2	-2.9	-2.9	84	15	16	-3.83	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY37	1/15/2014 10:53	60.7	35.8	0	3.5	1.56	1.56	64	0	0	1.68	No Change; None; Fair
GRNVLY37	1/15/2014 10:54	60.9	34.6	0	4.5	1.63	1.53	64	0	0	1.73	2nd Reading; None; Fair
GRNVLY37	1/29/2014 12:45	49.5	32.6	0	17.9	-9.62	-9.62	84	26	21	-11.48	No Change; None; Good
GRNVLY37	2/11/2014 11:51	57.5	32.8	0	9.7	-2.09	-2.12	70	17	13	-2.03	No Change; None; Good
GRNVLY37	3/11/2014 12:16	62.9	34.4	0	2.7	-3.71	-3.8	90	28	30	-4.83	No Change; None; Good
GRNVLY37	3/26/2014 11:53	54.7	33.7	0	11.6	-12.12	-12.04	88	21	15	-13.68	No Change; None; Good
GRNVLY37	4/9/2014 10:01	55	33.5	0	11.5	-14.54	-14.54	89	20	19	-15.88	No Change; No Repair Needed; Good
GRNVLY37	5/29/2014 10:35	52.6	34.7	0	12.7	-14.06	-14.06	91	25	27	-16.65	No Change; No Repair Needed; Good
GRNVLY37	6/9/2014 12:41	47.4	32.5	0	20.1	-11.99	-11.3	91	38	33	-13.2	Slightly Closed; No Repair Needed; Good
GRNVLY37	6/9/2014 12:42	48.4	33.7	0	17.9	-11	-11	91	15	15	-13.42	2nd Reading; No Repair Needed; Good
GRNVLY37	6/24/2014 10:17	51.4	33.8	0	14.8	-10.66	-10.66	91	24	23	-15.53	No Change; No Repair Needed; Good
GRNVLY37	7/14/2014 12:12	47.9	34.1	0	18	-12.06	-11.03	91	31	18	-19.29	Slightly Closed; No Repair Needed; Good
GRNVLY37	7/14/2014 12:13	48.1	33.8	0	18.1	-10.77	-10.77	91	17	22	-18.12	2nd Reading; No Repair Needed; Good
GRNVLY37	7/28/2014 11:06	46.3	34.4	0	19.3	-9.92	-8.93	89	27	9	-17.61	Slightly Closed; No Repair Needed; Good
GRNVLY37	7/28/2014 11:06	46.4	34.7	0	18.9	-8.24	-8.24	88	5	5	-18.39	2nd Reading; No Repair Needed; Good
GRNVLY37	8/12/2014 10:17	54.8	34.2	0	11	-4.05	-4.08	89	10	11	-18.3	No Change; No Repair Needed; Good
GRNVLY37	8/27/2014 9:48	57	34.1	0	8.9	-4.32	-4.62	90	10	36	-17.87	Slightly Open; No Repair Needed; Good
GRNVLY37	8/27/2014 9:49	56.8	34.7	0	8.5	-4.84	-4.81	90	39	40	-18.56	2nd Reading; No Repair Needed; Good
GRNVLY37	9/10/2014 11:04	53.8	34.7	0	11.5	-5.91	-5.95	91	14	15	-18.3	No Change; No Repair Needed; Good
GRNVLY37	9/25/2014 9:31	52	36.2	0	11.8	-5.9	-5.99	88	9	15	-17.46	No Change; No Repair Needed; Good
GRNVLY37	10/9/2014 10:58	55.4	33.8	0	10.8	-6.13	-6.51	89	17	22	-20.24	Slightly Open; No Repair Needed; Good
GRNVLY37	10/9/2014 10:59	56.2	34.5	0	9.3	-6.82	-6.86	89	24	21	-20.8	2nd Reading; No Repair Needed; Good
GRNVLY37	10/23/2014 9:53	49.4	35	0	15.6	-7.89		87	16		-17.65	No Change; No Repair Needed; Good
GRNVLY37	11/5/2014 10:27	47.2	33.6	0	19.2	-7.2	-6.86	86	24	14	-18.9	Slightly Closed; No Repair Needed; Good
GRNVLY37	11/5/2014 10:28	48.2	33.5	0	18.3	-6.51		84	10		-19.59	2nd Reading; No Repair Needed; Good
GRNVLY37	11/19/2014 10:38	50.7	34.2	0	15.1	-3.24		84	13		-20.07	No Change; No Repair Needed; Good
GRNVLY37	12/5/2014 9:51	56.5	35.2	0	8.3	-3.84		83	11		-15.24	No Change; No Repair Needed; Good
GRNVLY37	12/18/2014 9:47	56.9	35.9	0	7.2	-5.18		82	14		-17.22	No Change; No Repair Needed; Good
GRNVLY55	12/4/2013 15:52	60.5	39.2	0.2	0.1	-16.3	-16.4	111	24	24	-16.48	Fully Opened No Change
GRNVLY55	12/18/2013 10:03	60.8	38.8	0.3	0.1	-6.3	-6.4	107	7	6	-6.31	Fully Opened No Change
GRNVLY55	1/15/2014 9:10	61.7	36.5	0.1	1.7	-16.39	-16.26	108	38	12	-16.52	No Change; None; Good; 1944
GRNVLY55	1/29/2014 10:14	62.1	32.3	0.2	5.4	-25.54	-26.19	108	35	38	-25.93	No Change; None; Good; 1944
GRNVLY55	2/11/2014 9:35	62.5	35.6	0	1.9	-21.79	-22.09	102	23	39	-21.87	No Change; None; Good; 1944
GRNVLY55	2/26/2014 9:09	59.8	32.7	0.2	7.3	-16.48	-16.31	106	25	21	-16.57	No Change; None; Good; 1945
GRNVLY55	3/11/2014 10:10	61.8	37.4	0	0.8	-9.92	-9.97	108	22	25	-9.71	No Change; None; Good; 1945
GRNVLY55	3/26/2014 9:32	61.3	37.2	0.1	1.4	-15.88	-15.83	107	28	28	-15.88	No Change; None; Good
GRNVLY55	4/9/2014 8:43	61.5	37.2	0	1.3	-16.39	-16.22	108	28	24	-16.22	No Change; No Repair Needed; Good; 1946
GRNVLY55	5/29/2014 8:55	62.2	37.8	0	0	6.56	6.56	103	0	0	6.6	No Change; No Repair Needed; Good; 1947; vacuum isolated
GRNVLY55	5/29/2014 8:56	61.4	38.6	0	0	6.82	6.77	103	0	0	6.34	2nd Reading; No Repair Needed; Good
GRNVLY55	5/29/2014 14:31	60.8	39.2	0	0	-17.17	-17.17	111	27	28	-17.6	No Change; No Repair Needed; Good
GRNVLY55	6/9/2014 10:49	61.7	38.3	0	0	-20.32	-20.49	110	30	27	-20.36	No Change; No Repair Needed; Good; 1952
GRNVLY55	6/24/2014 8:29	62.1	37.7	0	0.2	-20.71	-20.71	111	25	26	-20.58	No Change; No Repair Needed; Good; 1957
GRNVLY55	7/14/2014 10:14	59.4	39.3	0	1.3	-25.85	-25.89	111	16	10	-26	No Change; No Repair Needed; Good; 1957
GRNVLY55	7/28/2014 9:57	61	38.7	0	0.3	-26.49	-26.19	110	28	28	-26.67	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY55	8/12/2014 8:52	60.4	37.7	0	1.9	-26.92	-26.66	110	32	32	-26.85	No Change; No Repair Needed; Good; 1960
GRNVLY55	8/27/2014 8:28	60.1	37.8	0	2.1	-26.57	-26.57	110	30	31	-26.15	No Change; No Repair Needed; Good; 1968
GRNVLY55	9/10/2014 9:53	61.1	37.9	0	1	-26.27	-26.23	110	33	31	-26.28	No Change; No Repair Needed; Good; 1968
GRNVLY55	9/25/2014 8:30	59.2	38.7	0	2.1	-26.5	-26.5	109	28	33	-26.29	No Change; No Repair Needed; Good; 1968
GRNVLY55	10/9/2014 10:05	61.1	37.4	0	1.5	-26.14	-26.19	109	33	27	-26.24	No Change; No Repair Needed; Good; 1968
GRNVLY55	10/23/2014 8:55	61.5	36.3	0	2.2	-26.88		108	27		-27.02	No Change; No Repair Needed; Good; 1968
GRNVLY55	11/5/2014 8:48	60.6	35.5	0	3.9	-27.22		108	36		-27.06	No Change; No Repair Needed; Good; 1980
GRNVLY55	11/19/2014 9:32	57.4	36.3	0.1	6.2	-12.94		105	17		-13.08	No Change; No Repair Needed; Good; 1980
GRNVLY55	12/5/2014 8:59	57.8	37.5	0	4.7	-18.21		108	28		-18.3	No Change; No Repair Needed; Good; 2052
GRNVLY55	12/18/2014 8:57	57.3	37.2	0	5.5	-20.32		107	26		-20.33	No Change; No Repair Needed; Good; 2053
GRNVLY56	12/4/2013 15:45	61.8	38	0.1	0.1	-16.5	-16.6	82	7	8	-16.45	Fully Opened No Change
GRNVLY56	12/18/2013 9:57	62.1	37.8	0	0.1	-6.5	-6.5	55	21		-6.47	Fully Opened No Change
GRNVLY56	1/15/2014 8:37	60.7	35.2	0.4	3.7	-16.18	-16.18	50	11	11	-16.18	No Change; None; Good; 51769
GRNVLY56	1/29/2014 10:09	60.9	30	1.3	7.8	-26.53	-26.57	61	16	15	-27.31	No Change; None; Good; 52333
GRNVLY56	2/11/2014 9:32	65.4	30.9	0.4	3.3	-21.74	-22.69	62	40	47	-21.7	No Change; None; Good; 52333
GRNVLY56	2/26/2014 9:06	65.5	31	0.4	3.1	-16.87	-16.82	69	16	16	-16.91	No Change; None; Good; 52333
GRNVLY56	3/11/2014 10:07	62.3	35	0.2	2.5	-10.96	-10.66	77	17	15	-10.57	No Change; None; Good; 52333
GRNVLY56	3/26/2014 9:29	62.3	35.4	0.1	2.2	-15.96	-16.01	73	14	14	-15.83	No Change; None; Good; 52333
GRNVLY56	4/9/2014 8:40	62.5	36.7	0.1	0.7	-16.82	-16.82	81	5	6	-16.61	No Change; No Repair Needed; Good
GRNVLY56	5/29/2014 8:51	61.7	38.3	0	0	7.46	7.46	77	0	0	7.29	No Change; No Repair Needed; Good; 52333; vacuum isolated
GRNVLY56	5/29/2014 8:52	62.2	37.8	0	0	7.59	7.59	77	0	0	7.59	2nd Reading; No Repair Needed; Good
GRNVLY56	5/29/2014 14:34	61.7	36.9	0	1.4	-17.52	-17.52	94	13	11	-17.56	No Change; No Repair Needed; Good
GRNVLY56	6/9/2014 10:47	62.6	36.7	0	0.7	-20.84	-21.01	94	15	13	-20.49	No Change; No Repair Needed; Good; 52333
GRNVLY56	6/24/2014 8:26	62.8	36.6	0	0.6	-21.05	-21.05	95	8	11	-20.88	No Change; No Repair Needed; Good; 52549
GRNVLY56	7/14/2014 10:11	60.3	37.8	0	1.9	-26.88	-26.54	94	9	14	-26.43	No Change; No Repair Needed; Good; 52549
GRNVLY56	7/28/2014 9:55	62.1	35.9	0.2	1.8	-26.83	-26.57	93	20	12	-26.59	No Change; No Repair Needed; Good; 52649
GRNVLY56	8/12/2014 8:49	61.1	37	0.1	1.8	-27.01	-26.92	95	6	8	-26.63	No Change; No Repair Needed; Good; 53175
GRNVLY56	8/27/2014 8:25	60.9	37.7	0	1.4	-26.57	-27.18	96	10	12	-26.15	No Change; No Repair Needed; Good; 53638; force main restricted
GRNVLY56	9/10/2014 9:49	60.8	37.1	0	2.1	-26.7	-26.62	97	5	8	-26.67	No Change; No Repair Needed; Good; 54826
GRNVLY56	9/25/2014 8:28	61	36.9	0.2	1.9	-26.2	-26.2	93	11	9	-26.08	No Change; No Repair Needed; Good; 55749
GRNVLY56	10/9/2014 9:47	59.7	37.3	0	3	-26.23	-26.23	93	5	7	-26.63	No Change; No Repair Needed; Good; 56464
GRNVLY56	10/23/2014 8:40	58.4	37.9	0.1	3.6	-16.7	-17.77	84	19	28	-27.41	Slightly Open; No Repair Needed; Good; 56721; force main restricted
GRNVLY56	10/23/2014 8:41	60.9	38.6	0	0.5	-21.7		88	6		-26.72	2nd Reading; No Repair Needed; Good; force main restricted
GRNVLY56	11/5/2014 8:35	57.1	33.6	0.8	8.5	-23.08		87	27		-26.63	No Change; No Repair Needed; Good; 57257
GRNVLY56	11/19/2014 9:17	56.8	34.6	0.2	8.4	-12.51		77	0		-14.37	No Change; No Repair Needed; Good
GRNVLY56	12/5/2014 8:40	56.8	37.1	0	6.1	-16.01		83	32		-18.3	No Change; No Repair Needed; Good
GRNVLY56	12/18/2014 8:43	57.7	37.3	0	5	-17.9		75	8		-19.46	No Change; No Repair Needed; Good; 59805
GRNVLY57	12/4/2013 15:22	59.6	38.6	0	1.8	-14.3	-14.9	96	15	15	-16.22	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY57	12/4/2013 15:26	59.4	38.6	0.1	1.9	-15.1	-15.1	96	16	13	-16.42	No Change made in Valve Position
GRNVLY57	12/18/2013 9:16	60.8	39.1	0	0.1	-6.3	-6.4	79			-6.49	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY57	12/18/2013 9:19	60.7	39.2	0	0.1	-6.4	-6.5	80			-6.49	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY57	1/15/2014 8:59	59.7	35.7	0.2	4.4	-16.35	-16.18	80	21	10	-17.69	No Change; None; Good; 7832
GRNVLY57	1/29/2014 9:56	46.3	29.2	0.7	23.8	-25.88	-25.15	88	11	13	-27.26	Slightly Closed; None; Good; 7836
GRNVLY57	1/29/2014 9:57	45.5	31.7	0.2	22.6	-24.55	-24.55	88	26	29	-27.39	2nd Reading; None; Good
GRNVLY57	2/11/2014 9:22	61.9	35.5	0.2	2.4	-20.28	-20.28	83	14	17	-23.86	No Change; None; Good; 7836
GRNVLY57	2/26/2014 8:51	61	34.5	0.1	4.4	-14.88	-14.84	89	12	11	-16.82	No Change; None; Good; 8393
GRNVLY57	3/11/2014 9:57	62.1	36.6	0	1.3	-10.31	-10.31	92	12	10	-11.39	No Change; None; Good; 8659
GRNVLY57	3/26/2014 9:20	61.5	36.2	0	2.3	-14.19	-14.19	90	10	13	-16.18	No Change; None; Good; 8923
GRNVLY57	4/9/2014 8:31	60.1	37.2	0	2.7	-17.99	-19.03	94	31	32	-21.27	Slightly Open; No Repair Needed; Good; 9223
GRNVLY57	4/9/2014 8:32	59.7	36.7	0	3.6	-20.23	-20.36	95	18	18	-21.48	2nd Reading; No Repair Needed; Good
GRNVLY57	5/29/2014 8:43	61.7	38.3	0	0	1.37	1.37	82	0	0	1.34	No Change; No Repair Needed; Good; 9629; vacuum isolated
GRNVLY57	5/29/2014 8:44	62.6	37.4	0	0	1.95	1.96	82	0	0	1.77	2nd Reading; No Repair Needed; Good
GRNVLY57	5/29/2014 14:40	58.9	37	0	4.1	-16.52	-16.52	96	19	18	-17.9	No Change; No Repair Needed; Good
GRNVLY57	6/9/2014 10:39	53	35.2	0	11.8	-19.93	-19.84	98	17	16	-21.18	No Change; No Repair Needed; Good; 9751
GRNVLY57	6/24/2014 8:17	46.3	34.5	0.1	19.1	-20.02	-19.2	98	17	14	-21.18	Slightly Closed; No Repair Needed; Good; 9916
GRNVLY57	6/24/2014 8:18	45.7	34.7	0	19.6	-18.98	-18.98	98	16	19	-20.71	2nd Reading; No Repair Needed; Good
GRNVLY57	7/14/2014 10:03	44.3	35.3	0	20.4	-23.14	-21.11	98	18	10	-26.78	Slightly Closed; No Repair Needed; Good; 10098
GRNVLY57	7/14/2014 10:04	43.9	34.2	0.1	21.8	-19.3	-19.3	98	9	10	-26.39	2nd Reading; No Repair Needed; Good
GRNVLY57	7/28/2014 9:45	45.9	35.3	0	18.8	-15.36	-14.41	97	12	9	-26.93	Slightly Closed; No Repair Needed; Good; 10209
GRNVLY57	7/28/2014 9:46	45.9	34.7	0	19.4	-12.64	-12.64	96	5	6	-26.93	2nd Reading; No Repair Needed; Good
GRNVLY57	8/12/2014 8:39	55.8	36.7	0	7.5	-7.29	-7.59	95	8	7	-26.24	Slightly Open; No Repair Needed; Good; 10299
GRNVLY57	8/12/2014 8:40	55.5	36.9	0	7.6	-7.98	-7.98	96	11	12	-26.67	2nd Reading; No Repair Needed; Good
GRNVLY57	8/27/2014 8:17	53.8	35.6	0	10.6	-9.92	-9.92	97	10	10	-25.94	No Change; No Repair Needed; Good; 10410
GRNVLY57	9/10/2014 9:40	54.7	36.1	0	9.2	-10.05	-10.7	97	10	10	-26.72	Slightly Open; No Repair Needed; Good; 10446
GRNVLY57	9/10/2014 9:42	54.5	37.1	0	8.4	-11.39	-11.39	98	12	13	-27.02	2nd Reading; No Repair Needed; Good
GRNVLY57	9/25/2014 8:18	50.1	35	0	14.9	-13.4	-13.14	95	16	13	-27.32	No Change; No Repair Needed; Good; 10446
GRNVLY57	10/9/2014 9:40	50.8	34.4	0	14.8	-13.72	-13.72	94	16	13	-27.36	No Change; No Repair Needed; Good; 10446
GRNVLY57	10/23/2014 8:33	51.7	34.7	0.1	13.5	-13.93		91	11		-27.06	No Change; No Repair Needed; Good; 10446
GRNVLY57	11/5/2014 8:27	50.5	33.4	0	16.1	-12.94		93	15		-27.23	No Change; No Repair Needed; Good; 10875
GRNVLY57	11/19/2014 9:08	53.8	34.1	0.3	11.8	-9.97		84	7		-16.88	No Change; No Repair Needed; Good; 11076
GRNVLY57	12/5/2014 8:31	57.6	35.6	0.1	6.7	-7.51		88	10		-16.23	No Change; No Repair Needed; Good; 11491
GRNVLY57	12/18/2014 8:36	57.8	36.6	0	5.6	-10.66		87	14		-21.19	No Change; No Repair Needed; Good; 11721
GRNVLY58	12/4/2013 15:00	46.9	30.1	4	19	-4.3	-3.9	108	114	58	-16.36	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY58	12/4/2013 15:03	46.6	30.3	3.8	19.3	-3.7	-3.7	108	54	100	-16.5	No Change made in Valve Position
GRNVLY58	12/18/2013 9:24	61.2	36.4	0.9	1.5	-1.1	-1.7	103	68	66	-6.2	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY58	12/18/2013 9:28	60.4	36.4	1.1	2.1	-1.9	-2	105	65	65	-6.75	No Change made in Valve Position
GRNVLY58	1/15/2014 9:05	53.5	32.6	2.2	11.7	-7.2	-7.2	100	25	27	-11.39	No Change; None; Good; 264
GRNVLY58	1/29/2014 9:49	41.3	26.9	4.8	27	-12.17	-9.28	100	44	0	-26.57	Slightly Closed; None; Good; 266
GRNVLY58	1/29/2014 9:51	41.9	26.5	4.8	26.8	-7.2	-7.2	100	0	0	-27.26	2nd Reading; None; Fair
GRNVLY58	2/11/2014 9:18	63.4	34.5	0.1	2	0.39	-0.09	96	17	35	-22.82	Slightly Open; None; Good; 282
GRNVLY58	2/11/2014 9:19	63.2	36.1	0	0.7	-0.61	-0.6	98	57	57	-24.07	2nd Reading; None; Good
GRNVLY58	2/26/2014 8:48	62.9	33.8	0.2	3.1	-0.76	-1.01	99	36	38	-16.48	Slightly Open; None; Good; 288
GRNVLY58	2/26/2014 8:49	62.6	36	0	1.4	-1.33	-1.32	100	53	52	-17.3	2nd Reading; None; Good
GRNVLY58	3/11/2014 9:54	59	35	1.1	4.9	-0.47	-0.45	100	34	34	-12.08	No Change; None; Good; 288
GRNVLY58	3/26/2014 9:17	61.9	35.2	0.3	2.6	-2.02	-2.38	101	68	67	-16.61	Slightly Open; None; Good; 288

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY58	3/26/2014 9:18	61.7	36.8	0.2	1.3	-2.78	-2.78	102	73	72	-16.65	2nd Reading; None; Good
GRNVLY58	4/9/2014 8:27	60.5	35.7	0.6	3.2	-3.87	-4.31	102	80	80	-17.13	Slightly Open; No Repair Needed; Good; 288
GRNVLY58	4/9/2014 8:28	60.4	37.6	0.5	1.5	-4.68	-4.68	103	80	82	-16.65	2nd Reading; No Repair Needed; Good
GRNVLY58	5/29/2014 8:39	60.2	35.9	0.5	3.4	0.48	0.49	96	0	0	0.04	No Change; No Repair Needed; Good; 288; vacuum isolated
GRNVLY58	5/29/2014 8:41	61.2	37.1	0.4	1.3	0.97	0.97	91	0	0	0.69	2nd Reading; No Repair Needed; Good
GRNVLY58	5/29/2014 14:43	61.7	38.3	0	0	-3.27	-3.33	106	0	0	-18.59	No Change; No Repair Needed; Good
GRNVLY58	6/9/2014 10:35	59.1	36	0.3	4.6	-6.17	-6.9	106	0	0	-21.4	Slightly Open; No Repair Needed; Good; 289; needs wellhead
GRNVLY58	6/9/2014 10:36	59.4	37.2	0.3	3.1	-7.89	-7.94	106	0	0	-22.43	2nd Reading; No Repair Needed; Good
GRNVLY58	6/24/2014 8:14	55	35.4	0.7	8.9	-7.94	-8.28	105	0	0	-20.71	No Change; No Repair Needed; Good; needs wellhead
GRNVLY58	7/14/2014 9:59	59.9	35.6	0	4.5	-1.36	-1.98	103	37	19	-26.82	Slightly Open; No Repair Needed; Good; 291
GRNVLY58	7/14/2014 10:00	59.9	38.1	0	2	-2.36	-2.31	105	19	19	-26.17	2nd Reading; No Repair Needed; Good
GRNVLY58	7/28/2014 9:41	59.2	36.6	0.2	4	-3.51	-3.69	104	19	19	-26.63	Slightly Open; No Repair Needed; Good; 291
GRNVLY58	7/28/2014 9:42	59	37.8	0.2	3	-4.13	-4.16	105	19	22	-26.93	2nd Reading; No Repair Needed; Good
GRNVLY58	8/12/2014 8:35	57.2	35.1	0.3	7.4	-4.95	-6.26	105	21	27	-26.97	Slightly Open; No Repair Needed; Good; 292
GRNVLY58	8/12/2014 8:36	57.1	35.8	0.3	6.8	-6.95	-6.95	105	26	26	-26.63	2nd Reading; No Repair Needed; Good
GRNVLY58	8/27/2014 8:14	54	34	0.6	11.4	-8.54	-8.24	105	26	24	-26.67	No Change; No Repair Needed; Good; 292
GRNVLY58	9/10/2014 9:37	55.7	35.1	0.5	8.7	-8.11	-8.67	105	24	34	-26.93	Slightly Open; No Repair Needed; Good; 292
GRNVLY58	9/10/2014 9:38	55.3	35.7	0.5	8.5	-9.36	-9.36	105	29	34	-27.15	2nd Reading; No Repair Needed; Good
GRNVLY58	9/25/2014 8:16	52.3	35.3	0.7	11.7	-10.04	-10.04	103	29	34	-26.68	No Change; No Repair Needed; Good; 292
GRNVLY58	10/9/2014 9:38	52.3	34.2	0.7	12.8	-9.92	-9.62	104	28	31	-25.25	No Change; No Repair Needed; Good; 293
GRNVLY58	10/23/2014 8:30	53.2	34.7	0.7	11.4	-9.66		103	31		-26.85	No Change; No Repair Needed; Good; 293
GRNVLY58	11/5/2014 8:25	51.1	34	0.9	14	-9.32		103	31		-27.15	No Change; No Repair Needed; Good; 303
GRNVLY58	11/19/2014 9:06	53.4	34.3	1.1	11.2	-8.63		101	26		-26.85	No Change; No Repair Needed; Good; 303
GRNVLY58	12/5/2014 8:29	55	33.4	0.8	10.8	-5.48		102	24		-16.23	No Change; No Repair Needed; Good; 303
GRNVLY58	12/18/2014 8:33	57	34.7	0.8	7.5	-7.2		101	20		-19.59	No Change; No Repair Needed; Good; 303
GRNVLY59	12/18/2013 11:09	66	33.9	0	0.1	-6.3	-6.1	64	6	30	-6.18	Fully Opened No Change
GRNVLY59	12/23/2013 14:45	63.8	31.2	1.2	3.8	-30.7	-30.9	95			-30.94	Fully Opened No Change
GRNVLY59	1/29/2014 9:15	65.4	27.7	0.4	6.5	-27.61	-26.88	72	5	27	-30.37	No Change; None; Good
GRNVLY59	2/11/2014 8:45	66.8	28.9	0.3	4	-22	-22.78	68	24	32	-22.13	No Change; None; Good
GRNVLY59	2/26/2014 8:19	58.9	29.5	0.4	11.2	-16.82	-16.82	78	10	8	-16.61	No Change; None; Good
GRNVLY59	3/11/2014 9:26	31.4	15.7	10.7	42.2	-13.76	-13.72	87	0	0	-13.5	Slightly Closed; None; Fair
GRNVLY59	3/11/2014 9:27	27.4	16.7	11.4	44.5	-13.72	-13.93	87	0	0	-13.5	2nd Reading; None; Fair
GRNVLY59	3/26/2014 8:47	67	30.8	0	2.2	-15.83	-15.83	56	0	0	-15.75	No Change; None; Good
GRNVLY59	4/9/2014 7:59	67	33	0	0	-17.04	-17.04	90	0	0	-16.82	No Change; No Repair Needed; Fair
GRNVLY59	5/28/2014 10:56	69	30.9	0.1	0	-16.22	-16.22	79	0	0	-16.52	No Change; No Repair Needed; Good
GRNVLY60	12/18/2013 11:40	70.3	28.3	1.3	0.1	-6.2	-6.1	43			-6.19	Fully Opened No Change
GRNVLY60	12/23/2013 15:01	38.1	17.3	8.7	35.9	-31.4	-31.2	37			-31.36	Dec Flow/Vacuum; Closed greater than 1 turn
GRNVLY60	12/23/2013 15:04	39	17.5	8.4	35.1	-31.3	-31.6	36			-31.41	No Change made in Valve Position
GRNVLY60	1/29/2014 9:18	27.8	15.9	12.2	44.1	-26.23	-26.53	18	0	0	-26.27	Slightly Closed; None; Fair
GRNVLY60	1/29/2014 9:19	38.9	16.4	9.6	35.1	-27.57	-27.96	18	0	0	-27.26	2nd Reading; None; Fair
GRNVLY60	2/11/2014 8:49	33.4	16.3	10.9	39.4	-22	-22.95	20	0	0	-21.83	No Change; Repair Air Pump; Fair
GRNVLY60	2/11/2014 8:50	33.9	16.3	11.5	38.3	-22.35	-23.08	20	0	0	-22.09	2nd Reading; Repair Air Pump; Fair
GRNVLY60	2/26/2014 8:23	45	24	6	25	-16.82	-16.82	22	0	7	-16.82	Slightly Closed; None; Fair

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY60	2/26/2014 8:24	47.4	23.5	6.4	22.7	-16.82	-16.82	21	6	4	-16.87	2nd Reading; None; Fair
GRNVLY60	3/11/2014 9:30	56.6	21.8	2.8	18.8	-13.93	-13.59	55	17	8	-13.81	No Change; None; Good
GRNVLY60	3/26/2014 8:49	60.5	25.1	2.2	12.2	-12.08	-11.95	29	4	6	-15.88	No Change; None; Good
GRNVLY60	4/9/2014 8:02	63.3	27.2	1	8.5	-17.17	-17.17	49	11	7	-16.91	No Change; No Repair Needed; Fair
GRNVLY60	5/28/2014 10:58	67.8	29.4	0	2.8	-16.22	-16.22	82	7	8	-16.57	No Change; No Repair Needed; Good
GRNVLY61	12/18/2013 9:02	73.6	26.1	0.1	0.2	-6.6	-6.6	49			-6.48	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY61	12/18/2013 9:05	73.3	26.6	0	0.1	-6.4	-6.7	49			-6.74	No Change made in Valve Position
GRNVLY61	12/23/2013 14:38	72.7	24.4	1	1.9	-30.3	-30.5	64			-30.56	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY61	12/23/2013 14:41	72.5	25	0.7	1.8	-30.5	-30.3	65			-30.79	No Change made in Valve Position
GRNVLY61	1/29/2014 9:10	53.7	19.3	0.2	26.8	-27.91	-27.57	65	26	25	-28.52	No Change; None; Good
GRNVLY61	2/11/2014 8:43	63.3	27.5	0	9.2	-21.44	-21.44	62	27	27	-20.02	No Change; None; Good
GRNVLY61	2/26/2014 8:16	61.8	31.2	1.4	5.6	-16.74	-16.48	51	6	5	-16.78	No Change; None; Good
GRNVLY61	3/11/2014 9:23	67.5	25.4	1.2	5.9	-13.72	-13.72	62	15	10	-13.81	No Change; None; Good
GRNVLY61	3/26/2014 8:44	66.1	21.6	2.3	10	-15.83	-15.83	51	6	11	-15.88	No Change; None; Good
GRNVLY61	4/9/2014 7:56	65.5	22.3	1.4	10.8	-21.66	-21.66	68	11	11	-21.44	No Change; No Repair Needed; Fair
GRNVLY61	5/28/2014 10:51	23.9	15.7	13	47.4	-16.57	-16.61	82	6	4	-16.91	Slightly Closed; No Repair Needed; Fair
GRNVLY61	5/28/2014 10:53	24.2	15.2	12.7	47.9	-16.57	-16.57	83	4	5	-16.57	2nd Reading; No Repair Needed; Fair
GRNVLY61	6/9/2014 10:28	68.4	25.7	1	4.9	-17.56	-17.52	82	10	9	-20.58	No Change; No Repair Needed; Good
GRNVLY61	6/24/2014 8:00	72.2	23.3	0.4	4.1	-11.73	-13.07	92	8	7	-14.45	Slightly Open; No Repair Needed; Good
GRNVLY61	6/24/2014 8:01	72.8	24.3	0.3	2.6	-13.76	-13.76	92	9	8	-14.45	2nd Reading; No Repair Needed; Good
GRNVLY61	7/14/2014 9:51	69.4	24.6	0.3	5.7	-24.47	-24.47	95	12	9	-26.35	No Change; No Repair Needed; Good
GRNVLY61	7/28/2014 9:33	66	24.7	0.2	9.1	-26.57	-26.49	94	10	10	-26.46	No Change; No Repair Needed; Good
GRNVLY61	8/12/2014 8:25	63	23.4	0	13.6	-26.66	-26.96	94	11	10	-26.59	No Change; No Repair Needed; Good
GRNVLY61	8/27/2014 8:06	66.4	25	0.1	8.5	-26.83	-26.92	99	13	14	-26.15	No Change; No Repair Needed; Good
GRNVLY61	9/10/2014 9:27	60.1	22.9	0	17	-26.92	-26.66	93	11	10	-26.93	No Change; No Repair Needed; Good
GRNVLY61	9/25/2014 8:08	57.4	28.1	0	14.5	-27.19	-27.19	87	8	9	-27.02	No Change; No Repair Needed; Good
GRNVLY61	10/9/2014 9:29	57.6	27.3	0.1	15	-26.83	-26.83	83	35	36	-26.93	No Change; No Repair Needed; Good
GRNVLY61	10/23/2014 8:23	55.1	28.3	0	16.6	-26.57		86	24		-26.72	No Change; No Repair Needed; Good
GRNVLY61	11/5/2014 8:16	52.7	25.1	0	22.2	-26.88		75	22		-26.93	No Change; No Repair Needed; Good
GRNVLY61	11/19/2014 8:56	54.4	28	0.1	17.5	-26.92		61	6		-26.67	No Change; No Repair Needed; Good
GRNVLY61	12/5/2014 8:20	57.5	32.3	0.5	9.7	-16.74		56	7		-16.88	No Change; No Repair Needed; Good
GRNVLY61	12/18/2014 8:25	63.3	25.2	0.3	11.2	-20.41		46	9		-20.37	No Change; Pump Maintenance Required; Good
GRNVLY62	12/18/2013 11:26	58.3	41.1	0.4	0.2	-6.2	-6.2	39			-6.22	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY62	12/18/2013 11:28	58.1	41.8	0	0.1	-6.2	-6.2	39			-6.25	No Change made in Valve Position
GRNVLY62	12/23/2013 14:55	59.6	38.7	1	0.7	-31.2	-31.1	38			-31.22	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY62	12/23/2013 14:57	58.8	39.3	0.8	1.1	-31.1	-31.2	37			-31.27	No Change made in Valve Position
GRNVLY62	1/29/2014 9:33	57.7	27.8	2.5	12	-26.23	-27.26	56	0	0	-26.23	No Change; None; Good
GRNVLY62	2/11/2014 9:04	54	31.7	2.6	11.7	-23.04	-22.09	48	0	0	-22.48	No Change; None; Good
GRNVLY62	3/11/2014 9:37	57.3	39.2	0.8	2.7	-13.03	-13.03	69	0	0	-12.77	No Change; None; Good
GRNVLY62	3/26/2014 9:03	33.2	21.6	8.7	36.5	-16.18	-16.18	41	4	3	-15.01	Slightly Closed; None; Fair
GRNVLY62	3/26/2014 9:04	34.1	24.1	8.6	33.2	-16.18	-16.09	42	2	0	-15.19	2nd Reading; None; Fair
GRNVLY62	4/9/2014 8:13	55.9	37.5	1.6	5	-21.79	-21.79	53	7	5	-21.35	No Change; No Repair Needed; Fair
GRNVLY62	5/28/2014 11:11	52	35.5	2.9	9.6	-16.91	-16.91	80	0	0	-17.26	No Change; No Repair Needed; Good
GRNVLY62	6/9/2014 10:22	47.4	32.5	3.8	16.3	-21.01	-20.97	82	11	7	-20.62	No Change; No Repair Needed; Fair
GRNVLY62	6/24/2014 7:57	55.5	36.5	1.2	6.8	-14.71	-14.67	82	6	8	-14.45	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY62	7/14/2014 9:49	56.4	37.5	0.4	5.7	-26.58	-26.54	79	5	5	-26.35	No Change; No Repair Needed; Good
GRNVLY62	7/28/2014 9:30	55.5	35.8	0.8	7.9	-26.83	-26.83	75	12	11	-26.63	No Change; No Repair Needed; Good
GRNVLY62	8/12/2014 8:23	54.2	37.1	1.3	7.4	-27.01	-27.01	79	7	7	-26.28	No Change; No Repair Needed; Good; needs pump
GRNVLY62	8/27/2014 8:03	53.8	34.4	1.3	10.5	-26.96	-26.92	74	7	8	-25.85	No Change; No Repair Needed; Fair; needs pump
GRNVLY62	9/10/2014 9:25	51	36.1	1.9	11	-27.01	-26.96	85	7	7	-26.93	No Change; No Repair Needed; Good
GRNVLY62	9/25/2014 8:06	53.3	40.2	0.4	6.1	-26.84	-26.84	74	10	13	-26.33	No Change; No Repair Needed; Good
GRNVLY62	10/9/2014 9:27	53.7	37.1	1.3	7.9	-26.83	-26.88	73	10	10	-26.93	No Change; No Repair Needed; Good
GRNVLY62	10/23/2014 8:21	55.4	40.4	0.2	4	-26.53		65	10		-26.37	No Change; No Repair Needed; Good
GRNVLY62	11/5/2014 8:14	51.2	38	0.4	10.4	-26.92		64	9		-26.93	No Change; No Repair Needed; Good
GRNVLY62	11/19/2014 8:54	54.4	36.4	0.9	8.3	-26.96		41	7		-26.97	No Change; No Repair Needed; Good
GRNVLY62	12/5/2014 8:18	56.4	34.7	0.5	8.4	-16.78		48	9		-16.57	No Change; No Repair Needed; Good
GRNVLY62	12/18/2014 8:23	51.2	33.1	2.7	13	-19.76		31	12		-19.68	No Change; Pump Maintenance Required; Good
GRNVLY7R	12/4/2013 10:09	36.9	26.8	4.2	32.1	-1.3	-0.9	140	20	16	-5.79	NSPS/EG CAI; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY7R	12/4/2013 10:12	35.6	26.3	4.3	33.8	-0.9	-0.9	137	16	18	-5.66	No Change made in Valve Position
GRNVLY7R	12/11/2013 10:43	61.4	36.2	0.2	2.2	-0.4	0	135	15	12	-4.62	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn; Valve Barely Open
GRNVLY7R	12/11/2013 10:46	60.5	36.2	0	3.3	-0.1	-0.1	130	13	13	-4.73	No Change made in Valve Position
GRNVLY7R	12/17/2013 15:18	61.9	37.9	0.1	0.1	0.9	-0.1	127		7	-3.66	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY7R	12/17/2013 15:21	61.8	38.1	0	0.1	-0.1	-0.1	138	10	9	-3.63	No Change made in Valve Position; NSPS/EG CAI; User Defined Comments
GRNVLY7R	12/17/2013 15:24	61.7	38.2	0	0.1	-0.1	-0.1	140	13	13	-3.68	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	12/23/2013 13:31	42.2	29.8	3.8	24.2	-2.5	-1.5	137	11		-5.24	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY7R	12/23/2013 13:36	33.3	26.3	5.5	34.9	-1.5	-1.3	125	9	8	-5.31	NSPS/EG CAI; Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY7R	12/23/2013 13:38	30	24.7	6.4	38.9	-1.4	-1.3	123	4		-5.5	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	12/23/2013 16:40	36.4	28.1	4.5	31	-1.6	-1.6	127			-17.22	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	1/15/2014 11:19	59.5	39.3	0	1.2	-0.4	-0.25	40	65	75	-1.21	No Change; None; Good; 812913
GRNVLY7R	1/29/2014 13:27	30.6	25.2	4.7	39.5	-5.87	-3.43	138	23	5	-9.92	Slightly Closed; None; Fair; 835841
GRNVLY7R	1/29/2014 13:29	30.8	24.2	4.8	40.2	-2.72	-2.69	134	5	0	-4.49	2nd Reading; None; Fair
GRNVLY7R	2/11/2014 12:21	16.9	18.3	10.5	54.3	-4.95	-4.93	126	0	0	-10.96	Slightly Closed; None; Fair; 843624
GRNVLY7R	2/11/2014 12:22	18.6	18.8	9.9	52.7	-4.73	-4.73	126	2	6	-9.62	2nd Reading; None; Fair
GRNVLY7R	2/26/2014 11:52	22.4	18.5	9.3	49.8	-6.17	-6.17	55	0	0	-12.99	Slightly Closed; None; Fair; 865126
GRNVLY7R	2/26/2014 11:53	23.9	19.5	9.3	47.3	-6.17	-6.17	54	0	0	-13.07	2nd Reading; None; Fair
GRNVLY7R	3/11/2014 12:52	50.1	32.5	0.9	16.5	-0.03	-0.06	99	6	6	-5.52	No Change; None; Good; 877417
GRNVLY7R	3/26/2014 12:05	59.1	38.4	0	2.5	-1.22	-1.28	116	15	14	-14.15	Slightly Open; None; Good; 899584
GRNVLY7R	3/26/2014 12:06	59.2	38	0	2.8	-1.31	-1.3	117	8	10	-13.85	2nd Reading; None; Good
GRNVLY7R	4/9/2014 10:15	48.9	37.5	0	13.6	-2.54	-2.52	122	10	7	-15.1	No Change; No Repair Needed; Good; 918321
GRNVLY7R	5/29/2014 12:51	44.8	35	0.5	19.7	-9.23	-8.89	119	32	22	-16.52	Slightly Closed; No Repair Needed; Good; 966928
GRNVLY7R	5/29/2014 12:52	40.7	33	2.8	23.5	-8.58	-8.58	114	4	9	-16.87	2nd Reading; No Repair Needed; Good
GRNVLY7R	6/9/2014 12:55	41.4	32	0.6	26	-6.86	-6.86	117	3	3	-14.45	No Change; No Repair Needed; Good; valve barely cracked; 986579
GRNVLY7R	6/24/2014 10:29	38.9	28.6	2.8	29.7	-6.17	-6.17	98	5	2	-15.49	Slightly Closed; No Repair Needed; Good; 7695; valve barely cracked
GRNVLY7R	6/24/2014 10:30	39.5	29.6	3.3	27.6	-6.17	-6.17	98	6	5	-14.8	2nd Reading; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY7R	7/14/2014 12:26	45.6	32.3	0.4	21.7	-13.83	-12.15	122	50	28	-17.09	Slightly Closed; No Repair Needed; Good; 32870
GRNVLY7R	7/14/2014 12:26	46.7	34.3	0.3	18.7	-11.37	-11.37	121	25	25	-16.75	2nd Reading; No Repair Needed; Good
GRNVLY7R	7/28/2014 11:21	37	32.5	1	29.5	-12.34	-9.23	131	21	0	-17.26	Slightly Closed; No Repair Needed; Fair; 50865; well influence
GRNVLY7R	7/28/2014 11:22	33.8	31.4	3.3	31.5	-8.54	-8.58	122	0	0	-16.57	2nd Reading; No Repair Needed; Fair; well influence
GRNVLY7R	8/12/2014 10:34	37.6	26.7	3.1	32.6	-7.64	-7.64	109	5	5	-17.65	No Change; No Repair Needed; Fair; valve barely cracked; 67873
GRNVLY7R	8/27/2014 10:03	43.7	28.9	2	25.4	-7.51	-7.55	119	5	5	-14.76	No Change; No Repair Needed; Fair; 82492; valve barely cracked
GRNVLY7R	9/10/2014 11:19	39.9	30.4	1.6	28.1	-9.02	-8.97	112	12	11	-17.87	No Change; No Repair Needed; Good; 99308
GRNVLY7R	9/25/2014 9:43	41	35.7	0.9	22.4	-8.4	-8.32	115	15	5	-12.72	Slightly Closed; No Repair Needed; Good; 115354
GRNVLY7R	9/25/2014 9:44	40.8	34.4	0.9	23.9	-8.36	-8.36	115	13	8	-16.9	2nd Reading; No Repair Needed; Good
GRNVLY7R	10/9/2014 11:12	46.7	33.6	1	18.7	-8.89	-8.89	113	9	11	-19.16	No Change; No Repair Needed; Good; 130584; well influence
GRNVLY7R	10/23/2014 10:03	38.5	33.4	1.2	26.9	-7.59	-7.55	106	8	4	-13.03	Slightly Closed; No Repair Needed; Fair; 144147; well influence
GRNVLY7R	10/23/2014 10:04	38.8	32.8	1.4	27	-7.2		101	4		-13.21	2nd Reading; No Repair Needed; Fair; well influence
GRNVLY7R	11/5/2014 10:40	36.2	24.7	1.5	37.6	-8.58		111	10		-19.34	No Change; No Repair Needed; Fair; 155540; well influence
GRNVLY7R	11/19/2014 10:50	37.5	29.5	1.9	31.1	-7.25		72	0		-19.16	No Change; No Repair Needed; Fair; valve barely cracked; well influence
GRNVLY7R	12/5/2014 10:03	51.9	33.7	0.2	14.2	-6.47		72	6		-14.07	No Change; No Repair Needed; Good; 181281
GRNVLY7R	12/18/2014 9:59	53.3	35.8	0.8	10.1	-7.59		66	4		-15.71	No Change; No Repair Needed; Good; 193730
GRNVLYP1	3/17/2014 8:46	0	1.4	20.6	78	-0.02						No Change; None; Good
GRNVLYP1	6/11/2014 13:05	0	1	20.2	78.8	0						No Change; No Repair Needed; Good
GRNVLYP1	8/26/2014 9:45	0	7.5	13.3	79.2	0						
GRNVLYP1	12/8/2014 8:42	0	7.9	9.5	82.6	0						No Change; No Repair Needed; Good
GRNVLYP2	3/17/2014 8:54	0	0.5	21.4	78.1	0						No Change; None; Good
GRNVLYP2	6/11/2014 12:52	0	0.5	20.5	79	0						No Change; No Repair Needed; Good
GRNVLYP2	8/26/2014 10:11	0	0.6	20	79.4	0						
GRNVLYP2	12/8/2014 8:47	0	4.7	19.9	75.4	0						No Change; No Repair Needed; Good
GRNVLYP3	3/17/2014 9:07	0	0	21.4	78.6	0						No Change; None; Good
GRNVLYP3	6/11/2014 12:40	0	0	20.8	79.2	0						No Change; No Repair Needed; Good
GRNVLYP3	8/26/2014 10:19	0	0.2	20.8	79	0						
GRNVLYP3	12/8/2014 8:53	0	1.4	20.3	78.3	0						No Change; No Repair Needed; Good
GRNVLYP4	3/17/2014 9:18	0	0	21.5	78.5	0						No Change; None; Good
GRNVLYP4	6/11/2014 13:00	0	0	20.7	79.3	0						No Change; No Repair Needed; Good
GRNVLYP4	8/26/2014 10:01	0	1.3	20.4	78.3	0						
GRNVLYP4	12/8/2014 9:01	0	0.1	21.5	78.4	0						No Change; No Repair Needed; Good
GRNVBOT2	12/23/2013 17:06	57.7	34.6	1.7	6	7.9	7.9	65	1482	1482		
GRNVBOT2	1/15/2014 11:58											Manually entered
GRNVBOT2	2/11/2014 12:26											Manually entered; NIU
GRNVBOT2	3/11/2014 12:17											Manually entered; NIU
GRNVBOT2	3/11/2014 12:17											Manually entered; NIU
GRNVBOT2	4/9/2014 10:57											Manually entered; NIU

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVBOT2	5/29/2014 12:21											Manually entered; NIU
GRNVBOT2	6/9/2014 8:42	48.3	36.1	1.5	14.1	0.82	0.8	76	190	190	0	No Change; No Repair Needed; Good
GRNVBOT2	6/9/2014 14:59	50.9	35.1	0.9	13.1	0.73	0.73	94	235	235	-0.04	No Change; No Repair Needed; Good
GRNVBOT2	7/14/2014 9:06	49	34.8	1	15.2	3.1	3.29	81	360	360	0.26	No Change; No Repair Needed; Good
GRNVBOT2	7/28/2014 8:39	46	33.8	1.6	18.6	0.98	0.77	76	160	160	0	No Change; No Repair Needed; Good
GRNVBOT2	7/28/2014 14:34	45.8	32.7	1.7	19.8	-0.03	-0.03	81	130	130	0	No Change; No Repair Needed; Good
GRNVBOT2	8/12/2014 7:27	47.8	33.5	1.7	17	1.06	1.02	80	180	180	0	No Change; No Repair Needed; Good
GRNVBOT2	8/27/2014 7:12	49.2	33.2	1.6	16	1.42	1.59	74	220	220	0.04	No Change; No Repair Needed; Good
GRNVBOT2	8/27/2014 12:45	49.5	34	1.5	15	4.33	4.41	97	430	430	0	No Change; No Repair Needed; Good
GRNVBOT2	9/10/2014 8:43	50.6	34.9	0.9	13.6	1.46	1.66	79	220	220	0	No Change; No Repair Needed; Good
GRNVBOT2	9/25/2014 7:14	48.8	34.8	1.3	15.1	0.27	0.21	62	210	210	0	No Change; No Repair Needed; Good
GRNVBOT2	9/25/2014 11:50	49	35	1.1	14.9	0.04	0.04	100	240	240	0	No Change; No Repair Needed; Good
GRNVBOT2	10/9/2014 8:40	51.2	33.8	1.2	13.8	0.24	0.31	83	230	230	0	No Change; No Repair Needed; Good
GRNVBOT2	10/23/2014 12:28	48.4	33.3	1.2	17.1	0.33	0.35	81	260	260	-0.04	No Change; No Repair Needed; Good
GRNVBOT2	11/5/2014 7:21	47.3	33.3	1.1	18.3	1.11	1.06	81	250	250	0	No Change; No Repair Needed; Good
GRNVBOT2	11/19/2014 7:55	50.3	32.6	1.2	15.9	0.53	0.48	56	240	240	-0.04	No Change; No Repair Needed; Good
GRNVBOT2	12/5/2014 10:43											Manually entered; NIU
GRNVBOT2	12/5/2014 10:43											Manually entered; NIU
GRNVCO02	12/4/2013 16:35	39.4	25.1	5.9	29.6	-7.2	-6	65	13	12	-17.11	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVCO02	12/4/2013 16:39	40.5	26.5	5.1	27.9	-5.8	-6	64	12	14	-17.26	No Change made in Valve Position
GRNVCO02	12/11/2013 9:09	63.6	36.3	0	0.1	-2.4	-2.9	38	15	15	-6.05	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO02	12/11/2013 9:12	63.5	36.4	0	0.1	-2.9	-3	38	12	14	-6.02	No Change made in Valve Position
GRNVCO02	12/18/2013 8:15	54	31.1	2.8	12.1	-4	-3.9	37	12	13	-6.93	No Change made in Valve Position
GRNVCO02	1/15/2014 9:36	49.7	31.3	4	15	-12.9	-12.9	36	17	14	-15.88	No Change; None; Fair
GRNVCO02	1/29/2014 10:33	43.3	27.4	5.7	23.6	-13.16	-5.52	28	21	10	-26.57	Slightly Closed; None; Fair
GRNVCO02	1/29/2014 10:34	44.2	27.8	5.7	22.3	-3.04	-3.05	28	12	14	-27.31	2nd Reading; None; Fair
GRNVCO02	2/11/2014 9:51	63.3	34.2	0.1	2.4	-1.22	-1.23	24	6	0	-21.14	No Change; None; Good
GRNVCO02	2/26/2014 9:29	67.2	31	0.4	1.4	-0.22	-0.21	33	13	20	-16.95	No Change; None; Good
GRNVCO02	3/11/2014 10:28	63.8	36.2	0	0	2.32	-4.22	64	12	10	-8.28	Slightly Open; None; Good
GRNVCO02	3/11/2014 10:29	62.4	37.6	0	0	-5.44	-5.44	62	16	11	-8.28	2nd Reading; None; Good
GRNVCO02	3/26/2014 9:48	53.1	29.5	3.4	14	-9.4	-9.28	42	9	13	-16.13	No Change; None; Good
GRNVCO02	4/9/2014 9:00	50.7	29.2	3.9	16.2	-12.99	-12.94	60	8	11	-17.56	No Change; No Repair Needed; Fair
GRNVCO02	5/29/2014 9:10	54.8	32.3	2	10.9	-19.67	-19.33	75	10	5	-22.04	No Change; No Repair Needed; Good
GRNVCO02	6/9/2014 11:03	54	30.9	1.9	13.2	-18.77	-18.59	80	4	11	-20.66	No Change; No Repair Needed; Good
GRNVCO02	6/24/2014 8:51	48.6	29.3	3.2	18.9	-13.76	-13.46	82	11	7	-15.14	No Change; No Repair Needed; Good
GRNVCO02	7/14/2014 10:33	45.2	29.1	2.9	22.8	-24	-21.03	79	10	11	-26.73	Slightly Closed; No Repair Needed; Good
GRNVCO02	7/14/2014 10:34	45.5	30.4	2.9	21.2	-15.86	-15.55	79	9	8	-26.17	2nd Reading; No Repair Needed; Good
GRNVCO02	7/28/2014 10:11	51.2	32.5	1.5	14.8	-12.3	-12.3	79	6	6	-26.93	No Change; No Repair Needed; Good
GRNVCO02	8/12/2014 9:11	55.3	32.4	0.5	11.8	-14.84	-14.88	85	8	12	-26.97	No Change; No Repair Needed; Good
GRNVCO02	8/27/2014 8:45	60.6	33.9	0	5.5	-14.06	-17.52	80	13	8	-26.59	Slightly Open; No Repair Needed; Good
GRNVCO02	8/27/2014 8:46	62.4	36.2	0	1.4	-20.32	-20.28	81	12	15	-26.5	2nd Reading; No Repair Needed; Good
GRNVCO02	9/10/2014 10:14	62.8	35.5	0	1.7	-25.19	-25.19	85	13	7	-27.02	No Change; No Repair Needed; Good
GRNVCO02	9/25/2014 8:44	62.6	35.6	0	1.8	-23.78	-23.74	73	12	9	-26.5	No Change; No Repair Needed; Good
GRNVCO02	10/9/2014 10:08	62	33.3	0.1	4.6	-23.73	-23.73	69	10	13	-26.93	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVCO02	10/23/2014 8:58	53.7	32.8	0.5	13	-24.12		55	12		-26.67	No Change; No Repair Needed; Good
GRNVCO02	11/5/2014 8:51	54.2	32	0.5	13.3	-24.16		54	10		-26.93	No Change; No Repair Needed; Good
GRNVCO02	11/19/2014 9:35	55.1	29.6	1.4	13.9	-12.08		33	8		-13.42	No Change; No Repair Needed; Good
GRNVCO02	12/5/2014 9:03	57.3	32.7	0.2	9.8	-17.56		44	6		-18.69	No Change; No Repair Needed; Good
GRNVCO02	12/18/2014 9:01	57.8	30.4	0.4	11.4	-19.28		33	10		-20.11	No Change; No Repair Needed; Good
GRNVLBIN	12/3/2013 12:37	49.3	31.2	3.1	16.4	-13	-12.9	62	644	644		
GRNVLBIN	12/3/2013 16:34	49.9	32	2.4	15.7	-7.4	-7.4	59	535	535		
GRNVLBIN	12/4/2013 9:10	48.9	34.7	2.9	13.5	-8.3	-8.5	56	597	597		
GRNVLBIN	12/4/2013 16:54	48.5	31.3	2.9	17.3	-17.6	-17.6	66	1204	1204		
GRNVLBIN	12/11/2013 8:50	53.6	32.3	2.7	11.4	-6	-6.2	37	595	595		
GRNVLBIN	12/17/2013 8:43	52.7	33.5	1.9	11.9	-6.1	-6.2	52	565	565		
GRNVLBIN	12/17/2013 16:36	57.2	35	1.4	6.4	-5.9	-6	46	582	582		
GRNVLBIN	12/18/2013 8:01	57.2	34.1	1.4	7.3	-7	-7	51	603	603		
GRNVLBIN	12/18/2013 13:54	57.7	34.3	1.6	6.4	-6.2	-6.3	55	504	504		
GRNVLBIN	12/23/2013 13:18	52.9	32.4	3	11.7	-6.5	-6.7	48	0	482		
GRNVLBIN	12/23/2013 17:04	57.8	34.7	2	5.5	-26.5	-26.8	55	1482	1482		
GRNVLBIN	1/15/2014 7:58	58.4	32.5	0.8	8.3	-17.04	-17.08	34	490	490	0.04	No Change; None; Good
GRNVLBIN	1/15/2014 14:47	59.4	33.3	0.4	6.9	-19.28	-16.18	40	490	490	0.26	No Change; None; Good
GRNVLBIN	1/29/2014 8:13	41.5	25.7	3.3	29.5	-36.11	-37.14	22	1340	1340	-0.04	No Change; None; Fair
GRNVLBIN	1/29/2014 14:55	51.4	30.2	1	17.4	-27.26	-25.88	40	580	580	0	No Change; None; Good
GRNVLBIN	2/11/2014 13:28	57.9	30.6	0.9	10.6	-29.34	-30.11	38	465	465	0	No Change; None; Good
GRNVLBIN	2/26/2014 7:38	54.9	29.5	1.7	13.9	-17.08	-17.04	41	690	690	0	No Change; None; Good
GRNVLBIN	2/26/2014 16:26	56.1	28.8	1.3	13.8	-12.17	-12.3	47	400	400	0	No Change; None; Good
GRNVLBIN	3/11/2014 8:25	57	31.5	1.2	10.3	-14.54	-14.54	50	430	430	0	No Change; None; Good
GRNVLBIN	3/11/2014 13:43	56.1	34.6	1.6	7.7	-6.51	-6.51	79	430	430	-0.04	No Change; None; Good
GRNVLBIN	4/9/2014 7:25	55.4	33	1.1	10.5	-17.43	-17.26	54	440	440	0.04	No Change; No Repair Needed; Good
GRNVLBIN	4/9/2014 13:08	55	35.3	0.8	8.9	-17.52	-17.47	58	460	460	0	No Change; No Repair Needed; Good
GRNVLBIN	5/29/2014 8:21	51	32.1	1.1	15.8	-17.9	-17.9	73	600	600	-0.3	No Change; No Repair Needed; Good
GRNVLBIN	5/29/2014 15:06	50.8	35.1	1	13.1	-17.82	-17.82	74	610	610	0	No Change; No Repair Needed; Good
GRNVLBIN	6/9/2014 8:37	47.9	32	1.4	18.7	-14.58	-14.8	75	600	600	0.3	No Change; No Repair Needed; Good
GRNVLBIN	6/9/2014 14:55	50.7	34.2	0.9	14.2	-21.05	-21.05	76	795	795	0	No Change; No Repair Needed; Good
GRNVLBIN	6/24/2014 7:02	49.5	33.3	0.9	16.3	-14.84	-14.84	80	600	600	0.04	No Change; No Repair Needed; Good
GRNVLBIN	6/24/2014 13:03	49.6	34.9	0.8	14.7	-21.61	-21.1	81	830	830	0.04	No Change; No Repair Needed; Good
GRNVLBIN	7/14/2014 9:02	49	34.2	1	15.8	-27.57	-27.23	85	1000	1000	0.26	No Change; No Repair Needed; Good
GRNVLBIN	7/14/2014 14:12	47.5	34.2	1.4	16.9	-27.88	-26.84	86	860	860	0.13	No Change; No Repair Needed; Good
GRNVLBIN	7/28/2014 8:35	46.9	31.3	1.7	20.1	-27.26	-26.53	85	840	840	0	No Change; No Repair Needed; Good
GRNVLBIN	7/28/2014 14:31	47.5	30.5	1.8	20.2	-27.26	-26.57	85	810	810	0	No Change; No Repair Needed; Good
GRNVLBIN	8/12/2014 7:23	47.9	31.2	1.8	19.1	-26.92	-27.35	85	760	760	0	No Change; No Repair Needed; Good
GRNVLBIN	8/12/2014 12:52	47.5	33	1.6	17.9	-27.26	-26.57	86	780	780	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	8/27/2014 7:08	49.5	32.9	1.6	16	-27.52	-27.18	85	780	780	0.04	No Change; No Repair Needed; Good
GRNVLBIN	8/27/2014 12:42	49.2	32.4	1.6	16.8	-27.05	-27.74	86	790	790	0	No Change; No Repair Needed; Good
GRNVLBIN	9/10/2014 8:40	50.5	33.6	1.1	14.8	-27.35	-27.26	85	770	770	0	No Change; No Repair Needed; Good
GRNVLBIN	9/10/2014 13:12	50.7	34.1	1	14.2	-26.92	-27.14	85	820	820	0	No Change; No Repair Needed; Good
GRNVLBIN	9/25/2014 7:09	50	31.9	1.5	16.6	-27.88	-26.84	81	670	670	0	No Change; No Repair Needed; Good
GRNVLBIN	9/25/2014 11:46	50.3	32.7	1.2	15.8	-27.96	-26.88	82	700	700	0	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLBIN	10/9/2014 8:37	52.1	32.4	1.3	14.2	-27.18	-27.09	79	660	660	0	No Change; No Repair Needed; Good
GRNVLBIN	10/9/2014 14:13	50.6	33.4	1.2	14.8	-27.61	-27.7	79	710	710	-0.13	No Change; No Repair Needed; Good
GRNVLBIN	10/23/2014 7:29	49.2	33.8	1.2	15.8	-27.61	-27.26	76	700	700	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	10/23/2014 12:26	49.1	32.8	1.2	16.9	-27.22	-26.96	76	700	700	0	No Change; No Repair Needed; Good
GRNVLBIN	11/5/2014 7:18	48.1	31.8	1.3	18.8	-27.26	-27.91	73	700	700	0	No Change; No Repair Needed; Good
GRNVLBIN	11/5/2014 13:41	47.5	32.3	1.2	19	-27.14	-27.31	74	710	710	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	11/19/2014 7:51	50.3	31.9	1.4	16.4	-26.96	-26.92	65	650	650	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	11/19/2014 13:08	51.2	32.4	1.1	15.3	-10.96	-10.96	64	420	420	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	12/5/2014 7:16	55.2	35.2	0.9	8.7	-16.82	-16.82	50	670	670	0	No Change; No Repair Needed; Good
GRNVLBIN	12/5/2014 12:56	55	34.8	0.9	9.3	-17.95	-18.21	55	700	700	-0.04	No Change; No Repair Needed; Good
GRNVLBIN	12/18/2014 7:31	55.6	33.7	1.2	9.5	-21.05	-20.66	43	700	700	0	No Change; No Repair Needed; Good
GRNVLBIN	12/18/2014 12:12	55.3	34.4	1.2	9.1	-19.59	-19.59	49	700	700	0	No Change; No Repair Needed; Good
GRNVLBOT	12/3/2013 12:40	49	31.3	3.2	16.5	-11.9	-11.9	59	644	644		
GRNVLBOT	12/3/2013 16:36	50.6	32.9	2	14.5	-7.8	-7.8	58	535	535		
GRNVLBOT	12/4/2013 9:12	49.8	39.9	3	7.3	-8.9	-9	57	597	597		
GRNVLBOT	12/4/2013 16:57	49.2	32.3	2.5	16	-19.1	-19	59	1204	1204		
GRNVLBOT	12/11/2013 8:53	53.7	32.7	2.6	11	-6.5	-6.5	52	595	595		
GRNVLBOT	12/17/2013 8:46	52.1	33.7	2	12.2	-6.5	-6.5	51	565	565		
GRNVLBOT	12/17/2013 16:39	58.4	35.3	1	5.3	-6.3	-6.3	51	582	582		
GRNVLBOT	12/18/2013 8:03	58.1	34.4	1.3	6.2	-7.4	-7.4	49	603	603		
GRNVLBOT	12/18/2013 13:57	58.1	34.7	1.8	5.4	-6.6	-6.6	52	504	504		
GRNVLBOT	12/23/2013 13:20	57.7	34.4	1.5	6.4	-7.5	-7.3	52	482	482		
GRNVLBOT	1/15/2014 8:01	58.6	34.6	0.5	6.3	-17.13	-17.08	38	490	490	0	No Change; None; Good
GRNVLBOT	1/29/2014 8:16	42.8	27.6	2.6	27	-31.06	-30.85	44	1340	1340	-0.04	No Change; None; Fair
GRNVLBOT	1/29/2014 14:57	51	32.2	0.9	15.9	-30.16	-28.17	45	580	580	0	No Change; None; Good
GRNVLBOT	2/11/2014 8:06	54	28.5	2.1	15.4	-39.39	-41.42	33	570	570	0	No Change; None; Good
GRNVLBOT	2/11/2014 8:08	57.1	31.7	0.6	10.6	-42.71	-40.38	38	570	570	0	No Change; None; Good
GRNVLBOT	2/26/2014 7:40	55.2	29.3	1.6	13.9	-17.52	-17.52	46	690	690	0	No Change; None; Good
GRNVLBOT	2/26/2014 16:28	55.3	32.4	1.4	10.9	-12.55	-12.68	49	400	400	0	No Change; None; Good
GRNVLBOT	3/11/2014 8:27	57.3	34.2	1.1	7.4	-15.1	-15.01	49	430	430	0	No Change; None; Good
GRNVLBOT	3/26/2014 7:56	50.1	29.8	2.4	17.7	-13.93	-13.89	48	650	650	0.04	No Change; None; Good
GRNVLBOT	3/26/2014 14:07	54.6	32.7	1	11.7	-17.52	-17.52	54	570	570	0	No Change; None; Good
GRNVLBOT	4/9/2014 7:27	55.3	34.7	1	9	7.29	7.29	65	440	440	0	No Change; No Repair Needed; Good
GRNVLBOT	5/29/2014 8:23	50.5	33.6	1	14.9	7.46	7.46	84	600	600	-0.3	No Change; No Repair Needed; Good
GRNVLBOT	6/9/2014 8:39	48.6	34.3	1.2	15.9	6.47	6.21	85	600	600	0.3	No Change; No Repair Needed; Good
GRNVLBOT	6/9/2014 14:57	51	35.7	0.8	12.5	5.52	5.91	95	560	560	0	No Change; No Repair Needed; Good
GRNVLBOT	6/24/2014 7:04	49.5	34.7	0.9	14.9	7.2	7.2	89	600	600	0.35	No Change; No Repair Needed; Good
GRNVLBOT	7/14/2014 9:04	48.9	33.9	1	16.2	6.55	5.95	93	640	640	0.26	No Change; No Repair Needed; Good
GRNVLBOT	7/28/2014 8:37	46.2	33.3	1.6	18.9	6.51	6.21	99	680	680	0	No Change; No Repair Needed; Good
GRNVLBOT	7/28/2014 14:33	45.9	32.9	1.7	19.5	7.72	7.59	98	680	680	0	No Change; No Repair Needed; Good
GRNVLBOT	8/12/2014 7:25	47.5	32.9	1.6	18	6	5.39	96	580	580	0	No Change; No Repair Needed; Good
GRNVLBOT	8/27/2014 7:10	49	33.5	1.7	15.8	5.95	6.51	94	560	560	-0.26	No Change; No Repair Needed; Good
GRNVLBOT	8/27/2014 12:44	49.2	33.3	1.5	16	6.77	6.04	108	360	360	0	No Change; No Repair Needed; Good
GRNVLBOT	9/10/2014 8:41	50.5	34.3	1	14.2	5.87	6.34	93	770	770	0	No Change; No Repair Needed; Good
GRNVLBOT	9/25/2014 7:11	49.2	34.1	1.3	15.4	5.9	5.9	92	460	460	0	No Change; No Repair Needed; Good

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
12/01/2013 through 12/31/2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLBOT	9/25/2014 11:48	50	34.2	1.1	14.7	5.51	5.86	100	460	460	0	No Change; No Repair Needed; Good
GRNVLBOT	10/9/2014 8:39	51.3	32.8	1.2	14.7	6.26	6.21	84	430	430	0	No Change; No Repair Needed; Good
GRNVLBOT	10/23/2014 7:30	48.1	32.9	1.2	17.8	8.58	8.33	83	700	700	-0.13	No Change; No Repair Needed; Good
GRNVLBOT	10/23/2014 12:29	48.2	34	1.1	16.7	6.6	6.26	87	440	440	0	No Change; No Repair Needed; Good
GRNVLBOT	11/5/2014 7:20	47.5	33.3	1.1	18.1	5.82	6.13	80	450	450	-0.04	No Change; No Repair Needed; Good
GRNVLBOT	11/19/2014 7:53	50.3	32.2	1.3	16.2	6.13	6.21	63	410	410	0	No Change; No Repair Needed; Good
GRNVLBOT	11/19/2014 13:10	50.9	33.8	1.3	14	7.29	7.33	66	420	420	-0.04	No Change; No Repair Needed; Good
GRNVLBOT	12/5/2014 7:18	55.8	34.8	0.8	8.6	-17.04	-16.91	59	670	670	0	No Change; No Repair Needed; Good
GRNVLBOT	12/18/2014 7:32	55.1	34.2	1.1	9.6	-21.44	-21.44	56	700	700	0.04	No Change; No Repair Needed; Good
GRNVLBOT	12/18/2014 12:14	55.5	34.4	1	9.1	-21.01	-20.97	57	700	700	0	No Change; No Repair Needed; Good
Flare 1	12/23/2013 17:08	56.5	34.6	1.6	7.3	7.8	7.8	65	1482	1482		NA
Flare 1	1/15/2014 11:55											Manually entered
Flare 1	2/11/2014 12:24											Manually entered; NIU
Flare 1	3/11/2014 12:15											Manually entered; NIU
Flare 1	4/9/2014 13:31	55.9	35.9	0.8	7.4	0.37	0.31	69	180	180	-0.22	GHG Reading; No Repair Needed; Good; No Totalizer
Flare 1	5/29/2014 12:20											Manually entered; NIU
Flare 1	6/24/2014 13:04	50.7	36.3	0.8	12.2	0.92	0.89	93	220	220	0.04	No Change; No Repair Needed; Good; No Totalizer
Flare 1	7/14/2014 14:17	46.8	33.9	1.4	17.9	1.8	1.77	91	230	230	0.17	GHG Reading; No Repair Needed; Good; No Totalizer
Flare 1	8/12/2014 12:58	48	33.7	1.6	16.7	1.66	1.63	89	240	240	-0.04	GHG Reading; No Repair Needed; Good; No Totalizer
Flare 1	9/10/2014 13:17	50.8	34.9	0.9	13.4	2.14	2.11	93	260	260	0	GHG Reading; No Repair Needed; Good; No Totalizer
Flare 1	10/9/2014 14:39	50.6	34.5	1	13.9	0.36	0.39	88	280	280	-0.09	GHG Reading; No Repair Needed; Good; No Totalizer
Flare 1	11/5/2014 13:46	47.7	33.5	1	17.8	1.07	0.97	85	260	260	0	GHG Reading; No Repair Needed; Good; No Totalizer
Flare 1	12/5/2014 10:42											Manually entered; NIU
Plant 1	12/3/2013 12:42	48.8	30.7	3.2	17.3	-11.8	-11.8	59	644	644		244471710
Plant 1	12/11/2013 8:55	53.5	33.1	2.5	10.9	-6.6	-6.5	52	595	595		251479789
Plant 1	12/17/2013 8:48	52.4	33.9	1.7	12	-6.5	-6.6	51	565	565		256349562
Plant 1	12/23/2013 13:22	58.2	35.2	1.3	5.3	-7.4	-7.4	52	482	482		260736611
Plant 1	1/15/2014 14:54	59.2	36.3	0.2	4.3	-18.94	-17.99	42	490	490	0.22	GHG Reading; None; Good; 278102371 scf
Plant 1	2/11/2014 13:31	57.9	32.3	0.8	9	-29.38	-30.37	44	465	465	0.04	GHG Reading; None; Good; 310123560 scf
Plant 1	3/11/2014 13:46	55.3	34	1.6	9.1	-6.86	-6.86	54	440	440	0	GHG Reading; None; Good; 331516550 scf
Plant 1	4/9/2014 12:44	56	35.2	0.8	8	5.26	5.52	77	460	460	0	GHG Reading; No Repair Needed; Good; 358172770 scf
Plant 1	5/29/2014 15:04	51.9	35.2	1	11.9	6.95	7.03	89	610	610	0	GHG Reading; No Repair Needed; Good; 393657200 scf
Plant 1	6/24/2014 13:08	50.4	34.5	0.8	14.3	6	6.34	100	610	610	0.04	GHG Reading; No Repair Needed; Good; 415740670 scf
Plant 1	7/14/2014 14:15	47.4	33.7	1.4	17.5	6.25	6.25	104	630	630	0	GHG Reading; No Repair Needed; Good; 432987815 scf
Plant 1	8/12/2014 12:56	48.1	33.6	1.7	16.6	6.6	6.21	103	540	540	-0.04	GHG Reading; No Repair Needed; Good; 459332240 scf
Plant 1	9/10/2014 13:15	51	35.4	0.9	12.7	6.99	6.56	103	560	560	0	GHG Reading; No Repair Needed; Good; 482256280 scf
Plant 1	10/9/2014 14:37	50.8	33.5	1.1	14.6	5.87	5.82	93	430	430	-0.3	GHG Reading; No Repair Needed; Good; 96860490 scf
Plant 1	11/5/2014 13:44	48	33.5	1	17.5	5.87	6.21	86	450	450	0	GHG Reading; No Repair Needed; Good; 26306498 scf
Plant 1	12/5/2014 12:58	55.5	35.1	0.7	8.7	-18.64	-18.64	60	700	700	0	GHG Reading; No Repair Needed; Good; 1009680 scf