

WQR Removed

1592
CMN 14-01
30 GW SW ST

Quarterly Report

For

Division of Waste Management

Wednesday, October 15, 2014

Submitted by:

Green Valley Landfill General Partnership

a subsidiary of

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



A. Green Valley Landfill General Partnership

Greenup County
#045-00012

I. Construction Activities

II. Volume of Waste
A. Green Valley Landfill
Greenup County #45-00012

WQR Removed

III. Cover Requirements

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



Machine Log Form - Soil Tracking

Site: Green Valley Landfill Div No. 4127

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

Date	Machine Load Count					Machine Production (cy)					Total	
	Daily cover	Int. Cover	Interior Roads (placed inside waste footprint)	Other Soil Hauled (placed outside waste footprint)	Certified Final Cover	Daily cover	Int. Cover	Interior Roads placed inside waste footprint	Other soils hauled outside waste footprint	Certified Final Cover		
7/1/14	10	17				27	110	187			297	18
7/2/14	10	25				35	110	275			385	18
7/3/14	3	15				18	33	165			198	12
7/4/14						0					0	
7/5/14						0					0	
7/6/14						0					0	
7/7/14						0					0	
7/8/14						0					0	
7/9/14		19				19		209			209	10
7/10/14		26				26		286			286	8
7/11/14						0					0	
7/12/14						0					0	
7/13/14						0					0	
7/14/14		27				27		297			297	12
7/15/14						0					0	
7/16/14		13				13		143			143	6
7/17/14		41				41		451			451	18
7/18/14						0					0	
7/19/14						0					0	
7/20/14						0					0	
7/21/14	10		5			15	110		55		165	6
7/22/14						0					0	
7/23/14						0					0	
7/24/14					13	13				143	143	4
7/25/14						0					0	
7/26/14			11			11		121			121	6
7/27/14						0					0	
7/28/14		10				10		110			110	2
7/29/14		16				16		176			176	6
7/30/14		26				26		286			286	10
7/31/14						0					0	



Machine Log Form - Soil Tracking

Site: Green Valley Landfill

Div No.

4127

Machine #:

Desc:

<26T/613

BCY/ld

11

Date	Machine Location				Machine Production (cy)					TOTAL
	Hour	Lat	Long	Alt	Hour	Lat	Long	Alt		
8/1/14					0					0
8/2/14					20	44	176			220
8/3/14					0					0
8/4/14					21			231		231
8/5/14					21		231			231
8/6/14					36		396			396
8/7/14					30		330			330
8/8/14					25		275			275
8/9/14					21		231			231
8/10/14					0					0
8/11/14					20		220			220
8/12/14					13			143		143
8/13/14					19		99	110		209
8/14/14					14		88	66		154
8/15/14					23		253			253
8/16/14					0					0
8/17/14					0					0
8/18/14					0					0
8/19/14					25		275			275
8/20/14					22		242			242
8/21/14					10		110			110
8/22/14					0					0
8/23/14					20		220			220
8/24/14					0					0
8/25/14					39		429			429
8/26/14					5		55			55
8/27/14					17		187			187
8/28/14					0					0
8/29/14	5	14			19	55	154			209
8/30/14		35			35		385			385
8/31/14					0					0

[Handwritten signature]



Machine Log Form - Soil Tracking

Site: Green Valley Landfill Div No. 4127

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

Date	Machine Load Count					Machine Production (cy)					Ground Motion			
	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	Ground Motion	Ground Motion
9/1/14			23			23			253			253	10	10
9/2/14			17			17			187			187	10	5
9/3/14			27			27			297			297	14	7
9/4/14			14			14			154			154	4	4
9/5/14						0						0		
9/6/14	2				6	8	22				66	88	8	4
9/7/14						0						0		
9/8/14			13			13			143			143	10	5
9/9/14			16			16			176			176	10	6
9/10/14		11				11		121				121	8	4
9/11/14						0						0		
9/12/14			6			6			66			66	6	3
9/13/14			11			11			121			121	8	4
9/14/14						0						0		
9/15/14			12			12			132			132	11	6
9/16/14						0						0		
9/17/14			6			6			66			66	6	3
9/18/14						0						0		
9/19/14						0						0		
9/20/14						0						0		
9/21/14						0						0		
9/22/14			13	8		21			143	88		231	10	5
9/23/14				18		18				198		198	10	5
9/24/14				13		13				143		143	6	3
9/25/14			12			12			132			132	6	3
9/26/14						0						0		
9/27/14						0						0		
9/28/14						0						0		
9/29/14						0						0		
9/30/14						0						0		

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.

Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
55	63468	1	5767.3	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	1	5774.58	0	0	Ashland WWTP
36	35784	1	5788.97	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
47	51540	1	5764.99	0	0	Ashland WWTP
46	50052	1	5630.7	0	0	Ashland WWTP
45	48570	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
37	37188	3	16985.6	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0.8	0	Ashland WWTP
43	45624	0	0	0	0	Ashland WWTP
48	53040	0	0	0.2	0	Ashland WWTP
50	56052	0	0	0	0	Ashland WWTP
51	57564	0	0	0	0	Ashland WWTP
52	59082	0	0	0	0	Ashland WWTP
51	57564	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
53	60606	1	5683.45	0.4	0	Ashland WWTP
55	63468	0	0	0	0	Ashland WWTP
56	65004	0	0	0.2	0	Ashland WWTP
63	75786	0	0	0	0	Ashland WWTP
53	60606	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
67	81957	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
77	96526	0	0	0	0	Ashland WWTP

Totals 613746
9

Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
52	56316	3	17278.18	0	0	Ashland WWTP
0	0	3	17388.49	0	0	Ashland WWTP
0	0	4	23333.33	0	0	Ashland WWTP
40	43320	3	17146.28	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
40	43320	4	22853.72	0	0	Ashland WWTP
35	37905	2	11422.06	0	0	Ashland WWTP
32	34656	3	16541.97	0	0	Ashland WWTP
0	0	4	22764.99	0	0	Ashland WWTP
26	28158	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0.8	0	Ashland WWTP
38	41154	0	0	0	0	Ashland WWTP
50	54150	0	0	0.2	0	Ashland WWTP
56	60648	0	0	0	0	Ashland WWTP
58	62814	3	17247	0	0	Ashland WWTP
54	584482	4	22577.94	0	0	Ashland WWTP
60	64980	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
64	69312	3	17316.55	0.4	0	Ashland WWTP
65	70395	0	0	0	0	Ashland WWTP
72	77976	0	0	0.2	0	Ashland WWTP
76	82308	3	17695.44	0	0	Ashland WWTP
72	77976	3	17270.98	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
88	97972	2	11757.79	0	0	Ashland WWTP
0	0	2	11383.69	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
88	94972	0	0	0	0	Ashland WWTP

Totals 201978.41
46 55 Loads

Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
92	118554	0	0	0	0	Ashland WWTP
93	119913	0	0	0	0	Ashland WWTP
93	119913	0	0	0	0	Ashland WWTP
101	130290	2	11448.44	0	0	Ashland WWTP
95	122601	4	22990.41	0.1	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
97	125229	3	16851.32	0	0	Ashland WWTP
86	110118	5	27848.94	0	0	Ashland WWTP
76	97032	3	16762.59	0	0	Ashland WWTP
71	87912	1	5959.23	0	0	Valicor
74	92496	0	0	0.3	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	1	5587.53	0	0	Valicor
0	0	1	5894.48	0	0	Valicor
75	97032	1	5458.03	0	0	Valicor
75	97032	0	0	0.8	0	Valicor
78	98532	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
80	101520	2	11793.76	0	0	Valicor
0	0	1	5920.86	0	0	Valicor
75	97032	1	5767.39	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor

25

Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
0	0	4	23105.52	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
108	0	3	17297.36	0	0	Ashland WWTP
88	94972	5	28625.9	0	0	Ashland WWTP
82	88806	4	22848.92	0	0	Ashland WWTP
72	77976	1	5568.35	0	0	Ashland WWTP
68	73644	0	0	0.1	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
0	0	0	0	0	0	Ashland WWTP
68	73644	2	11637.89	0	0	Ashland WWTP
68	73644	0	0	0	0	Ashland WWTP
72	77976	0	0	0	0	Ashland WWTP
70	75810	1	5589.93	0	0	Valicor
72	77976	0	0	0.3	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	4	23002.4	0	0	Valicor
0	0	2	11515.59	0	0	Valicor
0	0	3	17482.01	0	0	Valicor
60	64980	2	11575.54	0	0	Valicor
62	67146	0	0	0.8	0	Valicor
68	73644	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
73	80142	2	11580.34	0	0	Valicor
0	0	2	11402.88	0	0	Valicor
69	74727	1	5767.39	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor
0	0	0	0	0	0	Valicor

36

61 Loads

Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
95	122601	0	0	0.5	0	VALICOR
94	121272	1	5856.12	0	0	VALICOR
93	119913	1	5839.33	0	0	VALICOR
92	118554	2	11323.74	0.2	0	VALICOR
93	119913	1	5767.39	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	1	5829.71	0	0	VALICOR
98	126528	0	0	0	0	VALICOR
99	127794	4	22328.54	0	0	VALICOR
89	114381	2	11628.3	0	0	VALICOR
88	112974	4	22522.78	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR
84	107226	1	5824.94	0	0	VALICOR
82	88806	0	0	0	0	VALICOR
83	105759	1	5609.11	0	0	VALICOR
82	104292	2	10884.89	0	0	VALICOR
83	105759	1	5513.19	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR
83	105759	2	11110.31	0	0	VALICOR
0	0	1	5520.38	0	0	VALICOR
0	0	1	5599.52	0	0	VALICOR
68	83496	3	16858.51	0	0	VALICOR
65	78873	1	5647.48	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	1	5501.2	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR

Totals 159165.47

30

Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
96	102972	0	0	0.5	0	VALICOR
95	101972	2	11577.94	0	0	VALICOR
94	100972	3	17328.54	0	0	VALICOR
93	99972	2	11647.48	0.2	0	VALICOR
92	98972	3	17597.12	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	2	11429.26	0	0	VALICOR
102	108972	6	34779.38	0	0	VALICOR
88	94972	1	5553.96	0	0	VALICOR
82	88806	3	17026.38	0	0	VALICOR
81	87723	1	5462.83	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR
88	94972	2	11539.57	0	0	VALICOR
83	105759	3	17249.4	0	0	VALICOR
82	88806	2	11657.07	0	0	VALICOR
81	87723	4	22949.64	0	0	VALICOR
83	89889	1	5563.55	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR
84	90972	3	16858.51	0	0	VALICOR
0	0	4	22541.97	0	0	VALICOR
0	0	3	17081.53	0	0	VALICOR
71	76893	2	9112.71	0	0	VALICOR
72	77976	1	5597.12	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	2	11237.41	0	0	VALICOR
0	0	0	0	0	0	VALICOR
0	0	0	0	0	0	VALICOR

Totals 283791.57

50

462956.07 Gallons

80 Loads

RECEIVED
8-19-14



August 12, 2014

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

Subject: Monthly LFG Report for July 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 July 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.

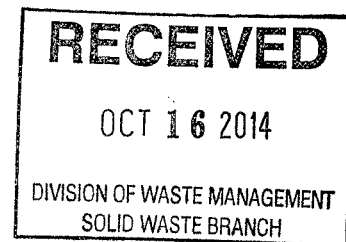
Sincerely,

Monitoring Control and Compliance, Inc.

A handwritten signature in black ink, appearing to read "Paul D. Flory".

Paul D. Flory
Regional Manager

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



JULY 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the July 14, 2014 monitoring event, the gas quality at the blower inlet was 49.0% CH₄, 34.2% CO₂, 1.0% O₂ and 15.8% balance gas. The applied vacuum to the wellfield was -27.57 inches of water and the flow was 1000 SCFM.

Final Flare Readings

At the end of the tuning event on July 28, 2014, the gas quality going to the blower inlet was 47.5% CH₄, 30.5% CO₂, 1.8% O₂ and 20.2% balance gas. The applied vacuum to the wellfield was -27.26 inches of water and the flow was 810 SCFM.

The flare operated for 426.0 hours with an average flow of 214 SCFM during July 2014.

Table 1- 1 Control System Down Time Report		
Start time	End Time	Comments
7-16 13:36	7-16 13:52	Auto Shutdown
7-16 14:08	7-16 14:32	Auto Shutdown
7-21 16:48	7-23 12:56	Air Compressor Failure
7-23 14:45	7-23 15:20	Auto 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.

- Zero (0) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Twenty-nine (29) wells exceeded the 58% methane target level set forth in the site's standard Fating procedures (SOP); see attachment E.
- Thirty-three (33) wells exceeded the 52% methane target level set forth in the site's standard Fating procedures (SOP); see attachment E.
- Twenty-six (26) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Eighteen (18) 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 July 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 July 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 July 2014.

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

Extraction Well No.	Parameter	Comments
NONE		

Collection System Operations and Maintenance

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

- Pump maintenance was performed on the following wells: EW10R, EW18R, EW28, EW26R, and EW54R. These reports are presented in Attachment I.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.
- The following wells need 2" kanaflex: 30, 16, 01, 04, 03, 13R, 23, 21, 29, and 02.
- Wells 43R and DL-7 need new regulators and DL-7 also needs a new discharge line.

Quarterly Surface Emissions Monitoring

The 2nd quarter 30-Day Recheck was completed on July 11, 2014. All six areas were found to be under 500 ppm. This report is presented in Attachment I.

The 3rd quarter initial SEM scan has been scheduled for August 26, 2014.

Perimeter Probe and Building Monitoring

The 3rd quarter 2014 perimeter probe and on-site structure monitoring has not yet been completed.

Recommendations

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

- MCC will be on site next week to install pumps and to perform flare system maintenance.

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

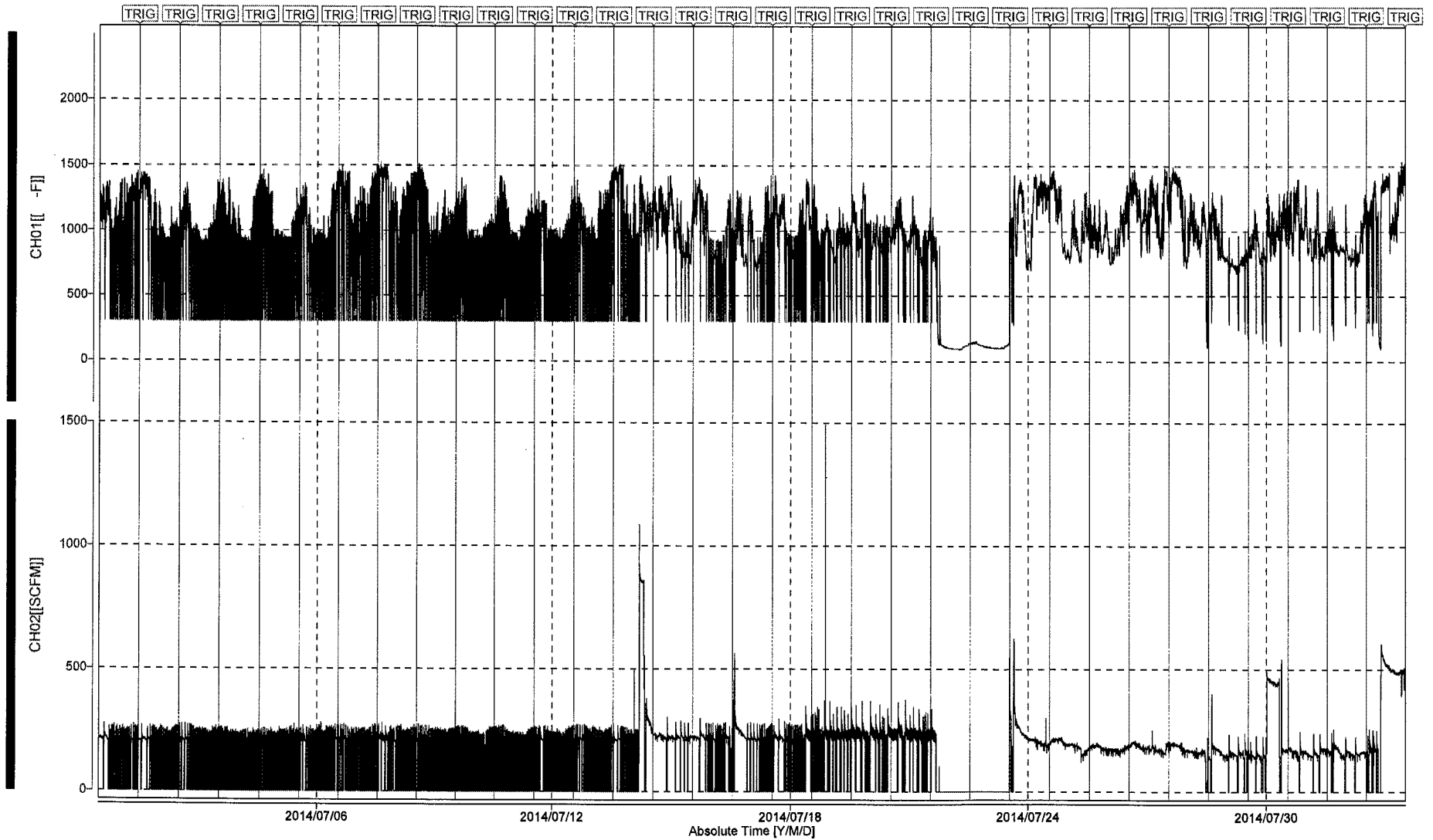
ATTACHMENT A

Flare Chart Records

File Name : 63013444.DDS,,,,,80113124.DDS
Device Type : FX100
Serial No. : S5DB05975
File Message :
Time Correction : Done
Starting Condition : Auto
Dividing Condition : Auto
Meas Ch. : 5
Math Ch. : 4

Data Count : 5940
Sampling Interval : 480.000 sec
Start Time : 2014/06/30 13:12:00.000
Stop Time : 2014/08/02 13:04:00.000
Trigger Time : 2014/08/02 13:04:00.000
Trigger No. : 5939
Damage Check : Not Damaged

Printed Group : FLARE DATA
Printed Range : 2014/06/30 13:12:00.000 - 2014/08/02 13:04:00.000
Comment :



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - July 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	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-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
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
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
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
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
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

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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	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
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
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
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
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
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
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
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
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

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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	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
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
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
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
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
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
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
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

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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
GRNVLS9R	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
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
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
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
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
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
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

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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	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
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
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
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
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
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
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

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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
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
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
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
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
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
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
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
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
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
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
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

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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	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
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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - July 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
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
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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - July 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	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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - July 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	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
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
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
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

Total Number of Wells	62
Total Number of Well Readings	62
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	26
Number of Wells With Methane > 52%	33
Number of Wells With Methane > 58%	29
Number of Wells With Oxygen > 1%	15
Number of Wells With Temperature > 120°F	7
Number of Wells With Flow < 5 SCFM	18

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1007010
PDA ID: WM_Tom_Philips2
Meter Date: 7/14/14
Meter Time: 8:39 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1383	0	0.03
Methane	000000EE1755	50.15	51.07
Oxygen	000000EE1755	0	0
Oxygen	000000EE1383	4	3.82
CO2	000000EE1383	0	0.01
CO2	000000EE1755	35.26	36.13
Available (high)	NA	0	0.26
Applied (low)	NA	0	0
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1007010
PDA ID: WM_Tom_Philips2
Meter Date: 7/14/14
Meter Time: 11:17 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1383	0	0.04
Methane	000000EE1755	50.15	49.67
Oxygen	000000EE1755	0	0
Oxygen	000000EE1383	4	4.22
CO2	000000EE1383	0	0.03
CO2	000000EE1755	35.26	35.45
Available (high)	NA	0	0.04
Applied (low)	NA	0	0
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0.03

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1007010
PDA ID: WM_Tom_Philips2
Meter Date: 7/14/14
Meter Time: 2:02 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1817	0	-0.04
Methane	000000EE1755	50.15	49.75
Oxygen	000000EE1755	0	0
Oxygen	000000EE1817	4	3.97
CO2	000000EE1817	0	-0.02
CO2	000000EE1755	35.26	34.86
Available (high)	NA	0	0.09
Applied (low)	NA	0	0.02
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0.04

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1003018
PDA ID: WM_Tom_Philips2
Meter Date: 7/28/14
Meter Time: 8:30 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1817	0	-0.03
Methane	000000EE1755	50.15	50.96
Oxygen	000000EE1755	0	0.03
Oxygen	000000EE1817	4	4.04
CO2	000000EE1817	0	-0.03
CO2	000000EE1755	35.26	35.8
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	-0.01

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1003018
PDA ID: WM_Tom_Philips2
Meter Date: 7/28/14
Meter Time: 12:09 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1817	0	0.05
Methane	000000EE1755	50.15	51.13
Oxygen	000000EE1755	0	-0.03
Oxygen	000000EE1817	4	4.09
CO2	000000EE1817	0	0.01
CO2	000000EE1755	35.26	35.6
Available (high)	NA	0	0
Applied (low)	NA	0	-0.01
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: 7/28/14
Meter Time: 1:55 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1817	0	-0.01
Methane	000000EE1755	50.15	50.18
Oxygen	000000EE1755	0	0
Oxygen	000000EE1817	4	4.05
CO2	000000EE1817	0	0
CO2	000000EE1755	35.26	35.47
Available (high)	NA	0	0
Applied (low)	NA	0	0
Applied (high)	NA	0	0.04
Differential (low)	NA	0	0
Differential (high)	NA	0	0

ATTACHMENT D

O & M Report

Additional Comments

ATTACHMENT E
Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
July 2014

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV64R2	7/28/2014 9:14	58.5	GRNVLHW7	7/28/2014 8:55	58.9
GRNV64R2	7/14/2014 9:37	58	GRNVLPW1	7/28/2014 8:50	60.2
GRNV64R2	7/14/2014 9:36	59.2	GRNVLY01	7/28/2014 12:36	59
GRNV65R2	7/28/2014 9:11	58.2	GRNVLY01	7/28/2014 12:36	59.4
GRNVL47R	7/14/2014 10:09	60.1	GRNVLY55	7/28/2014 9:57	61
GRNVL49R	7/28/2014 9:48	61.1	GRNVLY55	7/14/2014 10:14	59.4
GRNVL49R	7/14/2014 10:06	60.1	GRNVLY56	7/28/2014 9:55	62.1
GRNVL52R	7/28/2014 9:38	62.6	GRNVLY56	7/14/2014 10:11	60.3
GRNVL52R	7/14/2014 9:57	63	GRNVLY58	7/28/2014 9:42	59
GRNVL59R	7/28/2014 9:23	62.4	GRNVLY58	7/28/2014 9:41	59.2
GRNVL59R	7/14/2014 9:41	61.4	GRNVLY58	7/14/2014 10:00	59.9
GRNVL63R	7/28/2014 9:17	63	GRNVLY58	7/14/2014 9:59	59.9
GRNVLHW4	7/28/2014 9:02	60.1	GRNVLY61	7/28/2014 9:33	66
GRNVLHW4	7/28/2014 9:00	60.1	GRNVLY61	7/14/2014 9:51	69.4
GRNVLHW7	7/28/2014 8:55	59.2			

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV46R2	7/28/2014 10:07	55.3	GRNVLPW1	7/14/2014 9:10	57.7
GRNV46R2	7/14/2014 10:29	57.3	GRNVLPW2	7/28/2014 8:58	57.8
GRNV65R2	7/28/2014 9:12	57.9	GRNVLPW2	7/14/2014 9:18	57.9
GRNVL10R	7/28/2014 12:17	52.5	GRNVLY03	7/28/2014 10:16	56.2
GRNVL10R	7/14/2014 12:45	54.6	GRNVLY03	7/14/2014 11:22	56.6
GRNVL18R	7/28/2014 11:36	53.8	GRNVLY21	7/14/2014 11:59	53.3
GRNVL26R	7/14/2014 11:31	54.2	GRNVLY28	7/14/2014 11:33	53.3
GRNVL32R	7/14/2014 12:42	52.9	GRNVLY29	7/14/2014 12:48	54.3
GRNVL38R	7/14/2014 12:29	57.9	GRNVLY30	7/28/2014 10:32	53
GRNVL43R	7/28/2014 10:02	57.9	GRNVLY31	7/28/2014 10:40	54
GRNVL54R	7/14/2014 9:54	56.5	GRNVLY31	7/14/2014 11:48	56.6
GRNVL60R	7/14/2014 9:43	56.6	GRNVLY34	7/14/2014 11:51	52.2
GRNVL63R	7/14/2014 9:34	57.9	GRNVLY35	7/28/2014 11:26	57
GRNVLHW3	7/28/2014 8:52	56.3	GRNVLY35	7/14/2014 12:32	57.4
GRNVLHW7	7/14/2014 9:16	56.7	GRNVLY62	7/28/2014 9:30	55.5
GRNVLHW8	7/28/2014 9:05	57.2	GRNVLY62	7/14/2014 9:49	56.4
GRNVLHW8	7/14/2014 9:24	55			

Green Valley Landfill
Wellfield SOP Summary
July 2014

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	7/28/2014 11:11	44	GRNVLHW4	7/14/2014 9:22	38.9
GRNV27RR	7/28/2014 12:28	46.4	GRNVLHW5	7/28/2014 12:59	37.2
GRNV50R3	7/28/2014 9:20	47.3	GRNVLHW6	7/28/2014 9:28	36.2
GRNV65R2	7/14/2014 9:31	9.3	GRNVLY01	7/14/2014 12:57	45.4
GRNVL08R	7/28/2014 11:17	47.7	GRNVLY02	7/14/2014 13:00	47.7
GRNVL13R	7/14/2014 11:46	44.3	GRNVLY04	7/28/2014 12:51	24.4
GRNVL41R	7/14/2014 10:17	47.4	GRNVLY23	7/14/2014 12:06	47
GRNVL43R	7/14/2014 10:22	44.3	GRNVLY24	7/14/2014 11:26	39.7
GRNVL44R	7/28/2014 10:05	28.7	GRNVLY25	7/28/2014 12:32	47.9
GRNVL47R	7/28/2014 13:09	44	GRNVLY33	7/28/2014 11:33	19.8
GRNVLHW1	7/14/2014 11:42	13.7	GRNVLY37	7/28/2014 11:06	46.3
GRNVLHW2	7/28/2014 10:21	21.5	GRNVLY57	7/28/2014 9:46	45.9
GRNVLHW3	7/14/2014 9:13	37.4	GRNVLY7R	7/28/2014 11:22	33.8

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV17R2	7/28/2014 11:11	4.69	GRNVLHW5	7/28/2014 9:08	3.94
GRNV27RR	7/28/2014 12:28	0.82	GRNVLHW6	7/28/2014 9:28	4.09
GRNVL38R	7/14/2014 12:29	0	GRNVLY04	7/14/2014 13:09	0
GRNVL43R	7/28/2014 10:02	0	GRNVLY12	7/28/2014 10:30	0
GRNVL44R	7/28/2014 10:05	0	GRNVLY24	7/28/2014 10:18	3.92
GRNVL47R	7/28/2014 13:09	0	GRNVLY25	7/28/2014 12:31	1.89
GRNVLHW1	7/28/2014 10:35	0	GRNVLY29	7/28/2014 12:22	4.84
GRNVLHW2	7/28/2014 10:21	3.95	GRNVLY33	7/28/2014 11:33	3.2
GRNVLHW4	7/14/2014 9:21	3.19	GRNVLY7R	7/28/2014 11:22	0

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV65R2	7/14/2014 9:31	18.5	GRNVLHW6	7/28/2014 9:28	4.6
GRNVL43R	7/14/2014 10:22	4.9	GRNVLY02	7/28/2014 12:40	1.3
GRNVL44R	7/28/2014 10:05	1.9	GRNVLY04	7/28/2014 12:51	4.9
GRNVL47R	7/28/2014 13:09	4.9	GRNVLY24	7/14/2014 11:26	1.9
GRNVLHW1	7/14/2014 11:42	4.4	GRNVLY29	7/28/2014 12:22	2.8
GRNVLHW2	7/28/2014 10:21	1.3	GRNVLY33	7/28/2014 11:33	4.9
GRNVLHW3	7/14/2014 9:13	3.1	GRNVLY7R	7/28/2014 11:22	3.3
GRNVLHW5	7/28/2014 12:59	4.7			

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNV27RR	7/14/2014 12:51	122.9	GRNVLY33	7/28/2014 11:33	125.4
GRNVL10R	7/28/2014 12:17	123.4	GRNVLY36	7/28/2014 11:13	127.8
GRNVL32R	7/28/2014 12:14	128.1	GRNVLY7R	7/28/2014 11:22	122.4
GRNVL52R	7/28/2014 9:38	122.1			

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form



Landfill: Green Valley

Unit: Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours/Minutes	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	7/16/14 13:52	7/16/14 13:53	0.02	10	☒	☐
Shutdown			0.00		☐	☐
Malfunction	7/16/14 13:36	7/16/14 13:52	0.27	10	Complete section 2 Below	
Date Form Filled Out: <u>08/12/14</u> Signature: <u>Paul Flory</u>						

* 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 shut down when third engine ramped up

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:

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



Landfill: Green Valley

Unit:

Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours/Minutes	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	7/16/14 14:32	7/16/14 14:33	0.02	10	☒	☐
Shutdown			0.00		☐	☐
Malfunction	7/16/14 14:08	7/16/14 14:32	0.40	10	Complete section 2 Below	
Date Form Filled Out: <u>08/12/14</u> Signature: <u>Paul Flory</u>						

* 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 shut down when third engine ramped up

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:

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



Landfill: Green Valley

Unit:

Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours/Minutes	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	7/23/14 12:56	7/23/14 12:57	0.02	10	☒	☐
Shutdown			0.00		☐	☐
Malfunction	7/21/14 16:48	7/23/14 12:56	44.13	10	Complete section 2 Below	
Date Form Filled Out: <u>08/12/14</u> Signature: <u>Paul Flory</u>						

* 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:

Air compressor shut down causing the control valves to close.

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:

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



Landfill: Green Valley

Unit: Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours/Minutes	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	7/23/14 15:20	7/23/14 15:21	0.02	10	☒	☐
Shutdown			0.00		☐	☐
Malfunction	7/23/14 14:56	7/23/14 15:20	0.40	10	Complete section 2 Below	

Date Form Filled Out: 08/12/14 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:

Flare shut down when third engine ramped up.

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:

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					
DL-8	1783	1783	2279	2547	Removed	Removed	Removed					
CK-1	473512	485094	493941	501182	509500	513,532	525668					
CK-2	209528	211751	213923	216505	220464	222473	231546					
CK-3	927685	942218	960371	985386	271	9228	32565					
CK-4	31673	39189	56246	73570	78598	82496	91888					
CK-H	283730	361537	605581	907606	952395	956256	961177					
Toe Drain	704959	845894	919151	236903	307712	343,274	400734					
GRNVLY04	716033	774517	882520	920916	982868	53123	96742					
GRNVLY7R	812913	865126	899584	918321	966928	7695	50865					
GRNVL08R	63063	63888	64947	66342	66933	67675	68363					
GRNVL10R	604	604	608	608	608	608	608					
GRNVL13R	123056	126584	129428	131738	134467	137791	141549					
GRNVL18R		288	288	290	290	290	290					
GRNVLY21	64	64	66	66	66	66	66					
GRNVLY23		Counter needed	Counter needed	Counter needed	204	204	204					
GRNVLY25	155354	158401	164924	167454	170933	175788	181634					
GRNVL26R	149753	152018	153637	153637	155993	156909	156938					
GRNV27RR	10712	10712	10712	10712	10717	10717	10723					
GRNVLY28	54939	60430	61743	61749	63120	63126	63159					
GRNVLY29	105929	105851	108806	109583	Missed	110598	111002					
GRNVL32R		388317	613352	613352	613352	613352	613352					
GRNVLY35	273	273	273	274	274	274	274					
GRNVL38R	24808	24947	24947	24947	24947	24947	24947					
GRNVL41R	98675	98711	98719	98721	Missed	98730	98732					
GRNVL43R	369256	369256	9458	Removed	Removed	Removed	Removed					
GRNVL44R					98726	Removed	Removed					
GRNVL47R				221	Missed	225	225					
GRNVL52R	41479	58747	70281	73170	77799	77799	77799					
GRNVL54R	458059	458061	458061	458061	458061	458061	458074					
GRNVLY55	1944	1945	1945	1946	1947	1957	1957					
GRNVLY56	51769	52333	52333	52333	52333	52549	52649					
GRNVLY57	7832	8393	8923	9315	9629	9916	10209					
GRNVLY58	264	288	288	288	288	291	291					
GRNVLY61	21328	21328	23024	40732	46139	46144	46340					
GRNVLY62	251	251	251	251	Removed	Removed	Removed					
GRNVL63R	276200	276202	276202	276202	Removed	Removed	Removed					

ATTACHMENT H
Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan



LANDFILL: Green Valley - 2014

Month	Cover Integrity problems found during the inspection	Date Site Notified	Date Repairs Made	Site Remediation
		MCC/Republic Initials	Republic Initials	
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				
September 2014				
October 2014				
November 2014				
December 2014				

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form



Installation Point: EW10R

Site Information

Technician	Zack Ankney
Date	7/29/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3360
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	87.3
Well Depth (ft)	93
Drill log Depth (ft)	
Pump Set Depth (ft)	91.9
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 608
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.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW18R

Site Information

Technician	Zack Ankney
Date	7/29/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-5470
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	41.1
Well Depth (ft)	43.3
Drill log Depth (ft)	
Pump Set Depth (ft)	40
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 290
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 78
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.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW28

Site Information

Technician	Zack Ankney
Date	7/29/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-9555
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	60.7
Well Depth (ft)	65
Drill log Depth (ft)	
Pump Set Depth (ft)	63.2
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 63159
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 82
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. Adjusted counter.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW26R

Site Information

Technician	Zack Ankney
Date	7/29/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-6605
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	46
Well Depth (ft)	50.2
Drill log Depth (ft)	
Pump Set Depth (ft)	48
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 156938
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 78
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:

Replaced pump and tri tubing.

W

Parts Required for Repair/Replacement

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Pneumatic Pump Maintenance Form



Installation Point: EW54R

Site Information

Technician	Zack Ankney
Date	7/29/14
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)	32.9
Well Depth (ft)	67
Drill log Depth (ft)	
Pump Set Depth (ft)	65.3
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 350274 (New)
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 and replaced pump. Replaced regulator and counter assembly. Please begin new count record starting at 350274.

W

Parts Required for Repair/Replacement

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Green Valley Landfill
58% Methane Update
July 2014

Well ID	CH4 6/9/14	6/24/2014	7/14/2014	7/28/2014	Field Comment	Suggested fix	Estimated cost
GRNV46R2	59.3	60			Max applied, 7 scfm	possible well to install a pump	
GRNV50R3	59.2				New well	slowly open valve	
GRNV64R2	58.8	59.2	58	58.5	New well	Slated for pump install	
GRNV65R2	58.5	59		58.2	Low applied vacuum	Slated for pump install	
GRNVL47R	61.4	61.4	60.1		New remote installed above ground, buried by site.	open valve, Forcemain restricted. Remote watered in.	
GRNVL49R	62.3	62.2	60.1	61.1	Max applied, 20 scfm, 29 ft of liquid,	possible well to install a pump	
GRNVL52R	64.6	65.1	63	62.6	Max applied, 15 scfm, 39 ft of liquid	needs swapped over to 3" FM	
GRNVL54R	67.1	58.6			max applied, has pump	Forcemain restricted.	
GRNVL59R	65.4	65.2	61.4	62.4	New well, max applied	Slated for pump install	
GRNVL60R	62.1	60.8			New well, max applied	Slated for pump install	
GRNVL63R	63.9	63.4		63	max applied	Slated for pump install	
GRNV64R2	59.1				new well	Slated for pump install	
GRNVLHW3		61.2			easily overpulls	Additional tuning	
GRNVLHW4				60.1	Additional tuning	Additional tuning	
GRNVLHW6	60.7				Tuned back due to oxygen intrusion	Additional tuning	
GRNVLHW7		59		58.9	new well, good flow	Additional tuning	
GRNVLHW8	58.1				Brand new well, Tuned back due to oxygen intrusion	Additional tuning	
GRNVLPW1	60			60.2	Brand new well, max applied	Slated for pump install	
GRNVLPW2	58.7	59.9			Brand new well, max applied good flow	Slated for pump install	
GRNVLY01				59	Additional tuning		
GRNVLY03	60.9	60.5			max applied, 18 ft of liquid,	raise vacuum, Forcemain restricted.	
GRNVLY29		59.9				Additional tuning	
GRNVLY31		59			Max applied		
GRNVLY55	61.7	62.1	59.4	61	max applied, has pump	Raise vacuum, FM restriction	
GRNVLY56	62.6	62.8	60.3	62.1	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	Forcemain restricted	Raise vacuum, FM restriction, FM jumper line?	

Total wells
58% 21 19 9 14
Monitoring points 63 63 63 63
Percentage 33.33% 30.16% 14.29% 22.22%

Month total
June 25 39.68%
July 15 23.81%

LFG Extraction Well Liquid Levels

Site Name: Green Valley

July 2014

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation at <u>time of Liquid Level Measurement</u> (ft)	TOC to Ground Surface <u>(Measured in Field)</u> (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
GRNVL10R	GRNVL10R	7/29/14	942.15	4	87.3	93	Y		608	Pulled, inspected, and cleaned pump.
GRNVL18R	GRNVL18R	7/29/14	907.43	5	41.1	43.3	Y		290	Pulled, inspected, and cleaned pump.
GRNVL26R	GRNVL26R	7/29/14	907.45	4	46	50.2	Y		156938	Replaced pump and tri-tubing.
GRNVLY28	GRNVLY28	7/29/14		6	60.7	65	Y		63159	Pulled, inspected, and cleaned pump. Adjusted counter.
GRNVL54R	GRNVL54R	7/29/14		4	32.9	67	Y		350274	Pulled/replaced pump. Replaced regulator and counter assembly. Please begin new count record starting at 350274.

Calibration Precision Record



Landfill Name: Green Valley (2nd Quarter 30 Day Rechecks)

Monitoring Date: Friday, July 11, 2014 Performed By: Zack Ankney

Time: 8:45:00 Expiration Date: 10/11/2014

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: 498.6 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 498.1 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 497.7 ppm (6)

Calculate Precision:

= 0.37 % (result must be less than +/- 10%)

$$((\text{STD-(2)} + (\text{STD-(4)} + (\text{STD-(6)})) / 3 \times (1/500) \times (100/1)$$

Instrument Response Time Record

Landfill Name: Green Valley (2nd Quarter 30 Day Rechecks)

Monitoring Date: Friday, July 11, 2014 Time: 8:45:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibration gas 498.6 ppm
90% of the stabilized reading = 448.74 ppm
Time to reach 90% of stabilized reading
after switching from zero air to calibration
gas. 9 seconds (1)

Measurement #2

Stabilized reading using calibration gas 498.1 ppm
90% of the stabilized reading = 448.29 ppm
Time to reach 90% of stabilized reading
after switching from zero air to calibration
gas. 10 seconds (2)

Measurement #3

Stabilized reading using calibration gas 497.7 ppm
90% of the stabilized reading = 447.93 ppm
Time to reach 90% of stabilized reading
after switching from zero air to calibration
gas. 10 seconds (3)

Calculate Response Time = 9.67 seconds (must be less than 30 seconds)

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

Performed By: Zack Ankney Date: 7/11/14

Calibration Procedure and Background Report

Landfill Name: Green Valley (2nd 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 = 500.4 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

1. Upwind background reading (highest in 30 seconds) 3.6 ppm (1)
2. Downwind reading (highest in 30 seconds) 4.2 ppm (2)

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

Background = 3.9 ppm

Performed By: Zack Ankney

Date: 07/11/14 Time: 8:45:00

Daily Surface Monitoring Log Sheet

Landfill Name: Green Valley (2nd Quarter 30 Day Rechecks)

Performed By: Zack Ankney

Date: Friday, July 11, 2014

Start Time: 8:45:00

<u>Exceedance Identifier</u>	<u>Location and Time</u>	<u>Concentration of Exceedance (ppm)</u>
Hit 1	50 yds NE of PW2 @ 0859	140
Hit 2	30 yds N of 18" Riser @ 0857	115
Hit 3	70 yds N of HOZ3 @ 0904	77
Hit 4	30 yds E of 49R @ 0909	212
Hit 5	20 yds E of 63R @ 0914	86
Hit 6	10 yds NW of HW8 @ 0919	196

Weather Conditions

Temp: 75 F

Wind Speed: 3 MPH

Wind Direction: ENE

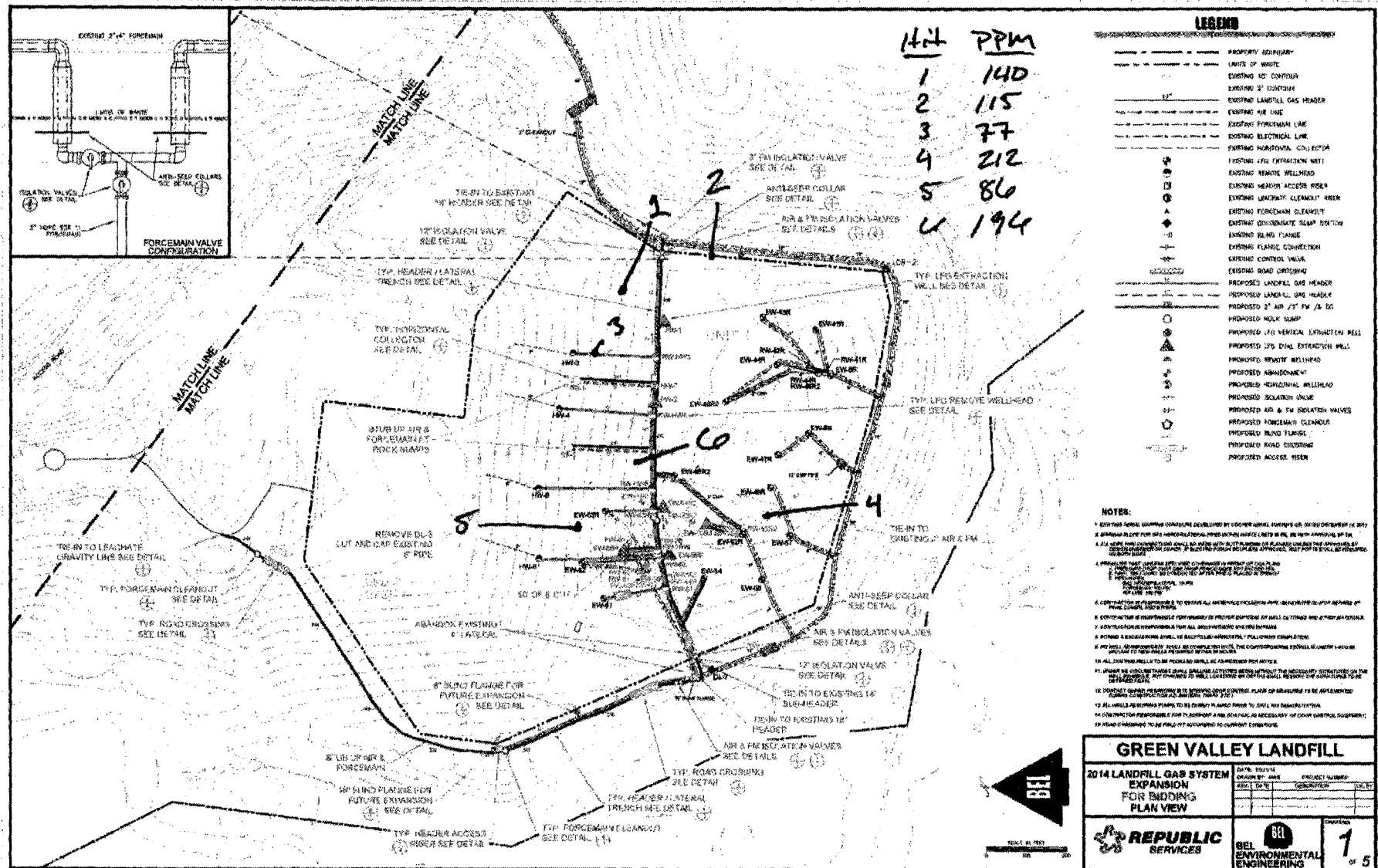
Sky Condition: Clear

Precipitation: None

Green Valley 30 Day Redchecks

7/11/14

Tracy Murray





RECEIVED
9-15-14

September 8, 2014

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

Subject: Monthly LFG Report for August 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 August 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



AUGUST 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the August 12, 2014 monitoring event, the gas quality at the blower inlet was 47.9% CH₄, 31.2% CO₂, 1.8% O₂ and 19.1% balance gas. The applied vacuum to the wellfield was -26.92 inches of water and the flow was 760 SCFM.

Final Flare Readings

At the end of the tuning event on August 27, 2014, the gas quality going to the blower inlet was 49.2% CH₄, 32.4% CO₂, 1.6% O₂ and 16.8% balance gas. The applied vacuum to the wellfield was -27.74 inches of water and the flow was 790 SCFM.

The flare operated for 632.80 hours with an average flow of 224 SCFM during August 2014.

Table 1- 1 Control System Down Time Report		
Start time	End Time	Comments
8/22/14 17:28	8/22/14 18:00	Loss Of Power
8/22/14 19:20	8/26/14 8:16	Air Compressor Fault
8/28/14 17:44	8/28/14 20:23	Damaged Air Line And Riser

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.

- Two (2) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Seventeen (17) wells exceeded the 58% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Thirty (30) wells exceeded the 52% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Thirteen (13) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Fourteen (14) 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 August 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 August 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 August 2014.

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

Extraction Well No.	Parameter	Comments
GRNVL47R	O2	Operated outside NSPS standards from 8/12/14 through the end of the month.
GRNVLY04	O2	Operated outside NSPS standards from 8/12/14 through the end of the month.

Collection System Operations and Maintenance

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

- Well GRNVLHW2 was decommissioned during the month of August 2014.
- Pump maintenance was performed on the following wells: EW08R, EW13R, EW29, EW35, EW61, and EW23. These reports are presented in Attachment I.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.

Quarterly Surface Emissions Monitoring

The 3rd quarter Initials Surface Emission Monitoring was completed on August 26, 2014. One area was found to be over 500 ppm. The area passed its 10-day recheck on 9/3/14. The one-month recheck is scheduled to be completed on 9/25/14.

This report is presented in Attachment I.

Perimeter Probe and Building Monitoring

The 3rd quarter 2014 perimeter probe and on-site structure monitoring was performed on August 26, 2014. All probes need a cap and lock.

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: 30, 16, 01, 04, 03, 13R, 23, 21, 29, and 02.
- Wells 43R and DL-7 need new regulators and DL-7 also needs a new discharge line.
- EW12 has a clogged pitot tube and wells EW35 and EW32R need new regulators.

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

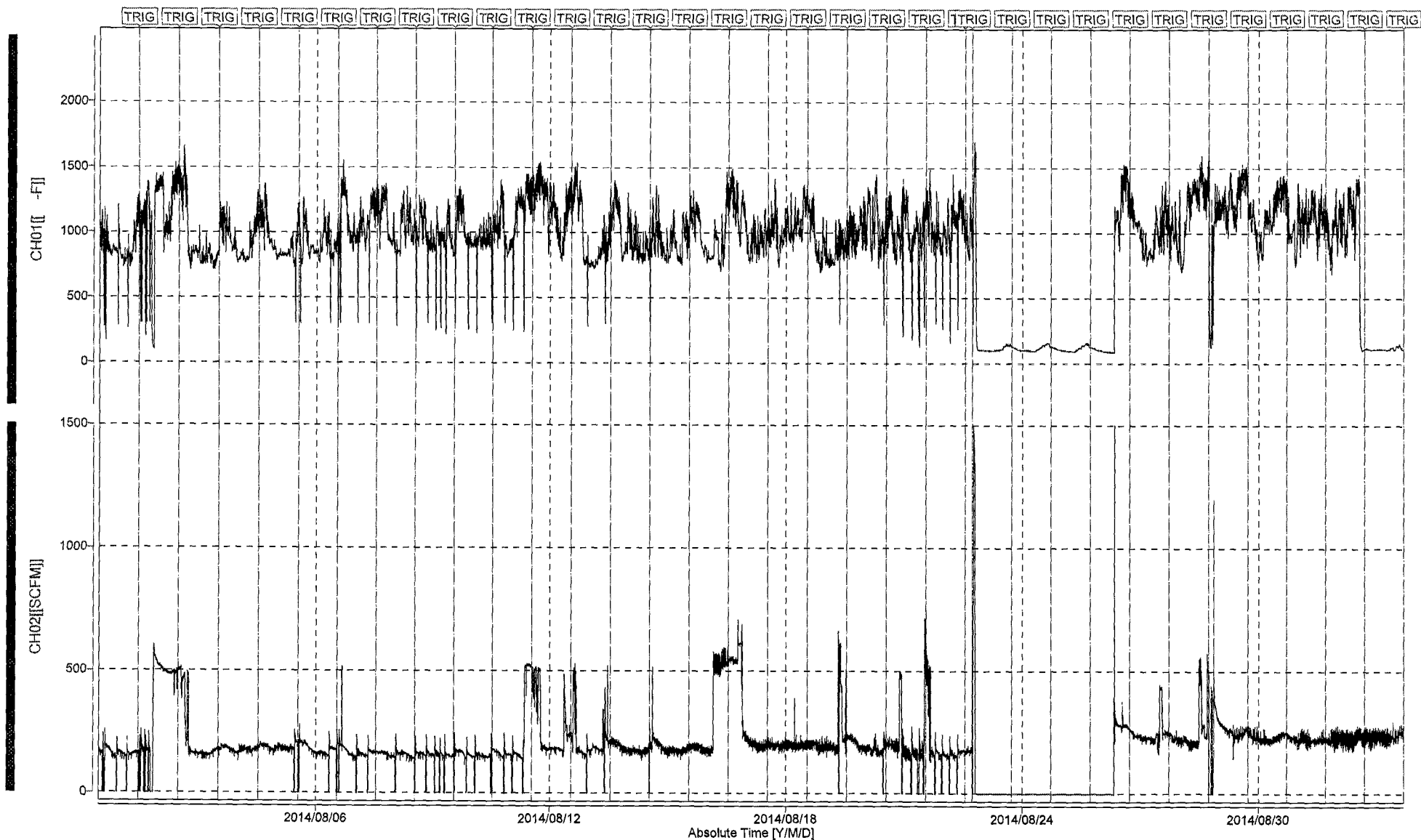
ATTACHMENT A

Flare Chart Records

File Name : 73113124.DDS,,,,90117364.DDS
Device Type : FX100
Serial No. : S5DB05975
File Message :
Time Correction : None
Starting Condition : Auto
Dividing Condition : Auto
Meas Ch. : 5
Math Ch. : 4

Data Count : 5973
Sampling Interval : 480,000 sec
Start Time : 2014/07/31 13:12:00.000
Stop Time : 2014/09/02 17:28:00.000
Trigger Time : 2014/09/02 17:28:00.000
Trigger No. : 5972
Damage Check : Not Damaged

Printed Group : FLARE DATA
Printed Range : 2014/07/31 13:12:00.000 - 2014/09/02 17:28:00.000
Comment :



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - August 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	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-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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - August 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	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
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
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
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
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
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
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
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

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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
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
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
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
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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS9R	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

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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
GRNVLS9R	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
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
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
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	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
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
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

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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	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
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
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
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
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
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
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
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

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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	8/12/2014 9:15	57	36	0	7	-24.94	-24.63	105	19	12	-25.94	No Change; No Repair Needed; Good
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
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
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
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
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
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

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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
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
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
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
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
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
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
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

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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
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
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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - August 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	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
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
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
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
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
GRNVLYP1	8/26/2014 9:45	0	7.5	13.3	79.2	0						
GRNVLYP2	8/26/2014 10:11	0	0.6	20	79.4	0						
GRNVLYP3	8/26/2014 10:19	0	0.2	20.8	79	0						
GRNVLYP4	8/26/2014 10:01	0	1.3	20.4	78.3	0						
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
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

Green Valley Landfill
Wellfield Monitoring Data - August 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	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
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
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
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

Total Number of Wells	62
Total Number of Well Readings	62
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	13
Number of Wells With Methane > 52%	30
Number of Wells With Methane > 58%	17
Number of Wells With Oxygen > 1%	17
Number of Wells With Temperature > 120°F	7
Number of Wells With Flow < 5 SCFM	14

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1003018
PDA ID: WM_Tom_Philips2
Meter Date: 8/12/14
Meter Time: 7:18 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1819	0	-0.05
Methane	000000EE1749	50.15	49.45
Oxygen	000000EE1749	0	0.05
Oxygen	000000EE1819	4	3.91
CO2	000000EE1819	0	-0.01
CO2	000000EE1749	35.26	35.48
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: 8/12/14
Meter Time: 11:34 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1819	0	0.05
Methane	000000EE1749	50.15	51.2
Oxygen	000000EE1749	0	-0.05
Oxygen	000000EE1819	4	4.07
CO2	000000EE1819	0	0.01
CO2	000000EE1749	35.26	35.04
Available (high)	NA	0	-0.04
Applied (low)	NA	0	0.01
Applied (high)	NA	0	0.09
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: 8/12/14
Meter Time: 12:45 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1819	0	0.02
Methane	000000EE1749	50.15	49.88
Oxygen	000000EE1749	0	0
Oxygen	000000EE1819	4	4
CO2	000000EE1819	0	-0.01
CO2	000000EE1749	35.26	35.2
Available (high)	NA	0	-0.04
Applied (low)	NA	0	0
Applied (high)	NA	0	0.26
Differential (low)	NA	0	-0.01
Differential (high)	NA	0	-0.01

Meter Calibration Form

Technician: Russell Pierce
Meter Serial #: 1003002
PDA ID: NomadES23C44798
Meter Date: 8/26/14
Meter Time: 9:35 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1826	0	0
Methane	000000DWT007	15	15
Oxygen	000000DWT007	0	0
Oxygen		20.9	20.9
CO2	000000EE1826	0	0
CO2	000000DWT007	15	15
Available (high)	NA	0	0
Applied (low)	NA	0	-0.17
Applied (high)	NA	0	-0.26
Differential (low)	NA	0	0.17
Differential (high)	NA	0	0.15

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1003018
PDA ID: WM_Tom_Philips2
Meter Date: 8/27/14
Meter Time: 7:02 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1372	0	-0.07
Methane	000000EE1737	50.15	49.69
Oxygen	000000EE1737	0	0
Oxygen	000000EE1372	4	3.94
CO2	000000EE1372	0	0
CO2	000000EE1737	35.26	35.54
Available (high)	NA	0	-0.3
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: 8/27/14
Meter Time: 11:20 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1372	0	0.06
Methane	000000EE1737	50.15	50.89
Oxygen	000000EE1737	0	0
Oxygen	000000EE1372	4	4.01
CO2	000000EE1372	0	0
CO2	000000EE1737	35.26	35.07
Available (high)	NA	0	-0.39
Applied (low)	NA	0	0
Applied (high)	NA	0	0.17
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: 8/27/14
Meter Time: 12:38 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1372	0	-0.01
Methane	000000EE1737	50.15	50.27
Oxygen	000000EE1737	0	0
Oxygen	000000EE1372	4	3.97
CO2	000000EE1372	0	0
CO2	000000EE1737	35.26	35.22
Available (high)	NA	0	-0.35
Applied (low)	NA	0	0.01
Applied (high)	NA	0	0.13
Differential (low)	NA	0	0
Differential (high)	NA	0	-0.02

ATTACHMENT D

O & M Report



Date: 8/12/2014

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	540	Flare Flow Rate: 240	
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	%	15	Recommend refill ASAP	

Item	Yes	No	Comments
Unit Operating in Automatic Mode	☒	☐	Hours: 10011; Temp: 187 F
Compressor Tank Drained	☒	☐	
Filters Clean	☒	☐	
Compressor Tank Pressure	PSI		101
Compressor Properly Lubricated	☒	☐	
Compressor Belts Worn	☐	☒	
Belts at Proper Tension	☒	☐	

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.

Additional Comments

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
August 2014

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV46R2	8/27/2014 8:40	64.1	GRNVLPW1	8/27/2014 7:29	60.3
GRNV65R2	8/27/2014 7:46	58.6	GRNVLPW2	8/27/2014 7:36	58.8
GRNVL18R	8/27/2014 10:17	59.7	GRNVLY01	8/27/2014 12:00	60.5
GRNVL49R	8/27/2014 8:19	61.2	GRNVLY03	8/27/2014 8:51	58.9
GRNVL52R	8/27/2014 8:12	62.8	GRNVLY35	8/27/2014 10:08	58.7
GRNVL59R	8/27/2014 7:56	62.5	GRNVLY55	8/27/2014 8:28	60.1
GRNVL63R	8/27/2014 7:50	60.9	GRNVLY56	8/27/2014 8:25	60.9
GRNVLHW1	8/27/2014 9:13	59.5	GRNVLY61	8/27/2014 8:06	66.4
GRNVLHW6	8/12/2014 8:21	61.1			

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	8/27/2014 9:53	56.3	GRNVLY20	8/27/2014 9:30	56
GRNV27RR	8/27/2014 11:50	57	GRNVLY21	8/27/2014 9:33	55.4
GRNV50R3	8/27/2014 7:53	52.7	GRNVLY22	8/27/2014 9:37	53.4
GRNV64R2	8/27/2014 7:48	57.4	GRNVLY23	8/27/2014 9:40	52.1
GRNVL08R	8/12/2014 10:28	52.6	GRNVLY24	8/12/2014 9:18	52.4
GRNVL10R	8/27/2014 11:40	55.6	GRNVLY25	8/27/2014 11:54	53.7
GRNVL13R	8/27/2014 9:17	54.2	GRNVLY29	8/27/2014 11:35	55.8
GRNVL26R	8/27/2014 9:01	53.7	GRNVLY30	8/27/2014 9:10	57.5
GRNVL32R	8/27/2014 11:32	54	GRNVLY31	8/27/2014 9:20	56.6
GRNVL38R	8/27/2014 11:43	55	GRNVLY34	8/27/2014 9:23	54
GRNVL41R	8/27/2014 8:30	53.9	GRNVLY36	8/27/2014 9:55	54.6
GRNVLHW3	8/27/2014 7:31	53.5	GRNVLY37	8/27/2014 9:49	56.8
GRNVLHW4	8/27/2014 7:38	52.5	GRNVLY57	8/27/2014 8:17	53.8
GRNVLHW7	8/27/2014 7:33	53.5	GRNVLY58	8/27/2014 8:14	54
GRNVLY19	8/27/2014 9:27	57.9	GRNVLY62	8/27/2014 8:03	53.8

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV46R2	8/12/2014 9:07	15.8	GRNVLHW3	8/12/2014 7:46	46.1
GRNVL43R	8/27/2014 8:35	44.5	GRNVLHW5	8/27/2014 7:43	43.4
GRNVL44R	8/12/2014 9:03	24.8	GRNVLHW6	8/27/2014 8:01	31.4
GRNVL47R	8/27/2014 8:22	5.2	GRNVLY04	8/27/2014 12:07	0.3
GRNVL54R	8/27/2014 8:09	47.4	GRNVLY33	8/27/2014 10:12	35.2
GRNVL60R	8/12/2014 8:17	47.9	GRNVLY7R	8/27/2014 10:03	43.7
GRNVLHW2	8/27/2014 8:59	23.8			

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV27RR	8/27/2014 11:50	2.16	GRNVLHW3	8/12/2014 7:45	3.19
GRNV46R2	8/27/2014 8:39	0	GRNVLY04	8/27/2014 12:06	4.68
GRNVL38R	8/12/2014 11:41	0	GRNVLY12	8/27/2014 9:06	0
GRNVL43R	8/12/2014 8:58	2.54	GRNVLY30	8/12/2014 9:33	4.77
GRNVL44R	8/12/2014 9:03	0	GRNVLY31	8/12/2014 9:40	0
GRNVL47R	8/12/2014 8:46	0	GRNVLY33	8/12/2014 10:42	4.81
GRNVLHW2	8/12/2014 9:21	4.83	GRNVLY35	8/12/2014 10:38	4.76

Green Valley Landfill
Wellfield SOP Summary
August 2014

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV46R2	8/12/2014 9:07	15.1	GRNVLHW7	8/27/2014 7:33	1.3
GRNVL43R	8/27/2014 8:35	4.9	GRNVLY02	8/27/2014 12:03	1.6
GRNVL44R	8/12/2014 9:03	4.9	GRNVLY04	8/27/2014 12:07	20.4
GRNVL47R	8/27/2014 8:22	11.9	GRNVLY24	8/27/2014 8:54	1.4
GRNVL54R	8/27/2014 8:09	2.1	GRNVLY29	8/12/2014 11:49	1.1
GRNVLHW2	8/27/2014 8:59	1.5	GRNVLY33	8/27/2014 10:12	4.9
GRNVLHW3	8/12/2014 7:46	3.1	GRNVLY62	8/27/2014 8:03	1.3
GRNVLHW5	8/27/2014 7:43	3.7	GRNVLY7R	8/27/2014 10:03	2
GRNVLHW6	8/27/2014 8:01	7			

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNV27RR	8/27/2014 11:50	122.4	GRNVL52R	8/27/2014 8:12	123.6
GRNVL10R	8/27/2014 11:40	125.4	GRNVL54R	8/27/2014 8:08	122.9
GRNVL32R	8/27/2014 11:32	130.2	GRNVLY36	8/27/2014 9:55	128.1
GRNVL38R	8/27/2014 11:43	125.2			

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form



Landfill: Green Valley

Unit: GRNVLHW2

Section 1 - All Events

Type of Event	Military Time		Duration Hours/Minutes	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup			0.00		☐	☐
Shutdown	8/27/14 8:59	8/27/14 9:02	0.05	6	☒	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 08/27/14 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:

Shutdown of Horizontal collector as approved by the State Division of Air Quality.

For Start-ups and Shutdowns

Note:

Green Valley

GRNVLHW2

8/27/14

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



Landfill: Green Valley

Unit: Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours/Minutes	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	8/22/14 18:00	8/22/14 18:01	0.02	16	☒	☐
Shutdown			0.00		☐	☐
Malfunction	8/22/14 17:28	8/22/14 18:00	0.53	16	Complete section 2 Below	

Date Form Filled Out: 09/08/14 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:

Power outage

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

8/22/14

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)

Startup/Shutdown/Malfunction Report Form



Landfill: Green Valley

Unit: Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours/Minutes	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	8/26/14 8:16	8/26/14 8:17	0.02	10	☒	☐
Shutdown			0.00		☐	☐
Malfunction	8/22/14 19:20	8/26/14 8:16	84.93	10	Complete section 2 Below	

Date Form Filled Out: 09/08/14 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:

Air compressor failure.

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

8/26/14

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)

Startup/Shutdown/Malfunction Report Form



Landfill: Green Valley

Unit: Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours/Minutes	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	8/28/14 20:32	8/28/14 20:33	0.02	18	☒	☐
Shutdown			0.00		☐	☐
Malfunction	8/28/14 17:44	8/28/14 20:32	2.80	18	Complete section 2 Below	

Date Form Filled Out: 09/08/14 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:

air line damaged

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

8/28/14

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				
DL-8	1783	1783	2279	2547	Removed	Removed	Removed	Removed				
CK-1	473512	485094	493941	501182	509500	513,532	525668	538274				
CK-2	209528	211751	213923	216505	220464	222473	231546	239444				
CK-3	927685	942218	960371	985386	271	9228	32565	51616				
CK-4	31673	39189	56246	73570	78598	82496	91888	96791				
CK-H	283730	361537	605581	907606	952395	956256	961177	963238				
Toe Drain	704959	845894	919151	235903	307712	343,274	400734	433931				
GRNVLY04	716033	774517	882520	920916	982868	53123	96742	168957				
GRNVLY7R	812913	865126	899584	918321	966928	7695	50865	82492				
GRNVL08R	63063	63888	64947	66342	66933	67675	68363	68733				
GRNVL10R	604	604	608	608	608	608	608	608				
GRNVL13R	123056	126584	129428	131738	134467	137791	141549	144035				
GRNVL18R		288	288	290	290	290	290	291				
GRNVLY21	64	64	66	66	66	66	66	66				
GRNVLY23		Counter needed	Counter needed	Counter needed	204	204	204	204				
GRNVLY25	155354	158401	164924	167454	170933	175788	181634	184002				
GRNVL26R	149753	152018	153637	153637	155993	156909	156938	156954				
GRNV27RR	10712	10712	10712	10712	10717	10717	10723	10723				
GRNVLY28	54939	60430	61743	61749	63120	63126	63159	68777				
GRNVLY29	105929	106851	108806	109583	Missed	110598	111002	111092				
GRNVL32R		388317	613352	613352	613352	613352	613352	613352				
GRNVLY35	273	273	273	274	274	274	274	1790				
GRNVL38R	24808	24947	24947	24947	24947	24947	24947	24947				
GRNVL41R	98675	98711	98719	98721	Missed	98730	98732	98734				
GRNVL43R	369256	369256	9458	Removed	Removed	Removed	Removed	Removed				
GRNVL44R					98726	Removed	Removed	Removed				
GRNVL47R				221	Missed	225	225	229				
GRNVL52R	41479	58747	70281	73170	77799	77799	77799	77799				
GRNVL54R	458059	458061	458061	458061	458061	458061	350274	375828				
GRNVLY55	1944	1945	1945	1946	1947	1957	1957	1968				
GRNVLY56	51769	52333	52333	52333	52333	52549	52649	53638				
GRNVLY57	7832	8393	8923	9315	9629	9916	10209	10410				
GRNVLY58	264	288	288	288	288	291	291	292				
GRNVLY61	21328	21328	23024	40732	46139	46144	46340	861470				
GRNVLY62	251	251	251	251	Removed	Removed	Removed	Removed				
GRNVL63R	276200	276202	276202	276202	Removed	Removed	Removed	Removed				

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan



LANDFILL: Green Valley - 2014

Month	Cover integrity problems found during the inspection	Date Site Notified	Date Repairs Made	Site Remediation
		MCC/Republic Initials	Republic Initials	
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				
October 2014				
November 2014				
December 2014				

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form



Installation Point: EW08R

Site Information

Technician	Zack Ankney
Date	8/26/14
Site	Green Valley
Pump Type	AP4
Pump ID	S/N: 3-24541 S
Tri-Tubing Diameter	1"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	57
Well Depth (ft)	62.5
Drill log Depth (ft)	
Pump Set Depth (ft)	60.3
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 68732
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 94
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.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW13R

Site Information

Technician	Zack Ankney
Date	8/26/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3418
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	50.6
Well Depth (ft)	53
Drill log Depth (ft)	
Pump Set Depth (ft)	51.2
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 144021
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 92
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.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW29

Site Information

Technician	Zack Ankney
Date	8/26/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1657
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	71.2
Well Depth (ft)	74.4
Drill log Depth (ft)	
Pump Set Depth (ft)	72.3
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 111002
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 90
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.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW35

Site Information

Technician	Zack Ankney
Date	8/26/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1748
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	77.2
Well Depth (ft)	89.5
Drill log Depth (ft)	
Pump Set Depth (ft)	86.5
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 275
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 92
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 set improperly. Installed new tri tubing and safety cable at proper depth.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW61

Site Information

Technician	Zack Ankney
Date	8/26/14
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)	30.4
Well Depth (ft)	52.3
Drill log Depth (ft)	
Pump Set Depth (ft)	50.7
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 861470 (New)
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 104
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. Counter not functioning. Installed replacement. Please begin new count record starting with 861470.

Parts Required for Repair/Replacement

--

Pneumatic Pump Maintenance Form



Installation Point: EW23

Site Information

Technician	Zack Ankney
Date	8/26/14
Site	Green Valley
Pump Type	AP4
Pump ID	S/N: 3-23194 S
Tri-Tubing Diameter	1"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	52.5
Well Depth (ft)	59.7
Drill log Depth (ft)	
Pump Set Depth (ft)	56.3
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 204
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 90
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.

Parts Required for Repair/Replacement

Green Valley Over 58% Methane Table

Well ID	CH4 6/9/14	6/24/2014	7/14/2014	7/28/2014	8/12/2014	8/27/2014	Field Comment	Suggested fix	Estimated cost
GRNV46R2	59.3	60				64.1	Max applied, 7 scfm	possible well to install a pump	
GRNV50R3	59.2						New well	slowly open valve	
GRNV64R2	58.8	59.2	58	58.5	59		New well	Slated for pump install	
GRNV65R2	58.5	59		58.2		58.4	Low applied vacuum, 9 scfm	Slated for pump install	
GRNVL47R	61.4	61.4	60.1				New remote installed above ground, buried by site.	open valve, Forcemain restricted. Remote watered in.	
GRNVL49R	62.3	62.2	60.1	61.1	61.5	61.2	Max applied, 20 scfm, 29 ft of liquid,	possible well to install a pump	
GRNVL52R	64.6	65.1	63	62.6	62.1	62.8	Max applied, 15 scfm, 39 ft of liquid	needs swapped over to 3" FM	
GRNVL54R	67.1	58.6					max applied, has pump	Forcemain restricted.	
GRNVL59R	65.4	65.2	61.4	62.4	63.2	62.5	New well, max applied	Slated for pump install	
GRNVL60R	62.1	60.8					New well, max applied	Slated for pump install	
GRNVL63R	63.9	63.4		63	62.9	60.9	max applied	Slated for pump install	
GRNV64R2	59.1						new well	Slated for pump install	
GRNVLHW3		61.2					easily overpulls	Additional tuning	
GRNVLHW4				60.1	58.7		Additonal tuning	Additional tuning	
GRNVLHW6	60.7				60.9		Tuned back due to oxygen intrusion	Additional tuning	
GRNVLHW7		59		58.9			new well, good flow	Additional tuning	
GRNVLHW8	58.1						Brand new well, Tuned back due to oxygen intrusion	Additional tuning	
GRNVLPW1	60			60.2	60.2	60.3	Brand new well, max applied	Slated for pump install	
GRNVLPW2	58.7	59.9				58.8	Brand new well, max applied good flow	Slated for pump install	
GRNVLY01				59	59.4	59.7	Additional tuning		
GRNVLY03	60.9	60.5				58.9	max applied, 18 ft of liquid,	raise vacuum, Forcemain restricted.	
GRNVLY29		59.9						Additional tuning	
GRNVLY31		59					Max applied		
GRNVLY55	61.7	62.1	59.4	61	60.4	60.1	max applied, has pump	FM restriction	
GRNVLY56	62.6	62.8	60.3	62.1	61.1	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	Forcemain restricted	Raise vacuum, FM restriction, FM jumper line?	
GRNVL18R					58.3	59.7		Additional tuning	
GRNVL38R					59.8			Additional tuning	
GRNVLY19					58			Additional tuning	
GRNVCO02						60.6	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	
Monitoring points	63	63	63	63	63	63	
Percentage	33.33%	30.16%	14.29%	22.22%	23.81%	26.98%	

Month total		June		July		August	
		25		15		22	
		39.68%		23.81%		34.92%	

LFG Extraction Well Liquid Levels

Site Name: Green Valley

AUGUST 2014

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation <u>at</u> <u>time of Liquid</u> <u>Level</u> <u>Measurement</u> (ft)	TOC to Ground Surface <u>(Measured</u> <u>in Field)</u> (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
GRNVL08R	GRNVL08R	8/26/14	875.32	4.5	57	62.5	Y		68732	Pulled, inspected, and cleaned pump.
GRNVL13R	GRNVL13R	8/26/14	924.95	4	50.6	53	Y		144021	Pulled, inspected, & cleaned pump.
GRNVLY23	GRNVLY23	8/26/14		4	52.5	59.7	Y		204	Pulled, inspected, and cleaned pump.
GRNVLY29	GRNVLY29	8/26/14		6	71.2	74.4	Y		111002	Pulled, inspected, and cleaned pump.
GRNVLY35	GRNVLY35	8/26/14		4.5	77.2	89.5	Y		275	Pulled, inspected, and cleaned pump. Pump set improperly. Installed new tri tubing and safety cable at proper depth.
GRNVLY61	GRNVLY61	8/26/14	890.94	5.5	30.4	52.3	Y		861470	Pulled, inspected, and cleaned pump. Counter not functioning. Installed replacement. Please begin new count record starting with 861470.

Calibration Precision Record



Landfill Name: Green Valley

Monitoring Date: Tuesday, August 26, 2014 Performed By: Russell Pierce

Time: 10:45:00 Expiration Date: 11/26/2014

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: 499.9 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 500.0 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 499.9 ppm (6)

Calculate Precision:

= 0.01 % (result must be less than +/- 10%)

$$((\text{STD-(2)} + \text{STD-(4)} + \text{STD-(6)}) / 3 \times (1/500) \times (100/1))$$

Instrument Response Time Record

Landfill Name: Green Valley

Monitoring Date: Tuesday, August 26, 2014 Time: 10:45:00

Instrument Make/Model: Photovac Micro FiD Serial Number czud313

Measurement #1

Stabilized Reading using calibration gas 499.9 ppm

90% of the stabilized reading = 449.91 ppm

Time to reach 90% of stabilized reading
after switching from zero air to calibration
gas. 17 seconds (1)

Measurement #2

Stabilized reading using calibration gas 500 ppm

90% of the stabilized reading = 450 ppm

Time to reach 90% of stabilized reading
after switching from zero air to calibration
gas. 9 seconds (2)

Measurement #3

Stabilized reading using calibration gas 499.9 ppm

90% of the stabilized reading = 449.91 ppm

Time to reach 90% of stabilized reading
after switching from zero air to calibration
gas. 11 seconds (3)

Calculate Response Time = 12.33 seconds (must be less than 30 seconds)

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

Performed By: Russell Pierce Date: 8/26/14

Calibration Procedure and Background Report

Landfill Name: Green Valley

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 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

1. Upwind background reading (highest in 30 seconds) 2.7 ppm (1)
2. Downwind reading (highest in 30 seconds) 4.6 ppm (2)

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

Background = 3.65 ppm

Performed By: Russell Pierce

Date: 08/26/14 Time: 10:45:00

Quarterly Surface Monitoring Log Sheet

Landfill Name: Green Valley

Performed By: Russell Pierce

Date: Tuesday, August 26, 2014

Start Time: 10:58:00

<u>Exceedance Identifier</u>	<u>Location and Time</u>	<u>Concentration of Exceedance (ppm)</u>
Hit1	Directly inbetween PW-1 and RW-HW3 @ 1:39pm	1099

WEATHER CONDITIONS:

Temperature: 87 ° F

Barametric Pressure: 30 In.

Wind Speed/Direction: 6 MPH W

Conditions: Clear

GAS PROBE MONITORING
Green Valley Landfill
3rd Quarter 2014

Date: 8/26/2014

PERSONNEL: Russell Pierce

PROBE ID	STATIC PRESSURE	METHANE %	LEL %	OXYGEN %	DEPTH TO WATER ft.	COMMENTS
MP1	0.0	0.0	0.0	13.3	19.4	Needs cap and lock
MP2	0.0	0.0	0.0	20	Dry	Needs cap and lock
MP3	0.0	0.0	0.0	20.8	169.9	Needs cap and lock
MP4	0.0	0.0	0.0	20.4	Dry	Needs cap and lock

Notes: _____

Indicator: Envision Firm: MCC
Calibration gas: 15% Methane: 15% Carbon Dioxide: _____
Weather Conditions: Clear
Temperature: 83F

Certification: _____
Signature Date
8/26/2014

STRUCTURAL CHECK
Green Valley Landfill
3rd Quarter 2014

Date: 8/26/2014

PERSONNEL: Russell Pierce

Structure	Date	Inspection Time	Monitored Location	LEL %	COMMENTS
Office	8/26/2014	10:15	Lowest	0.0	
Storage Shed	8/26/2014	N/A	Lowest	N/A	Structure Removed
Scalehouse	8/26/2014	10:05	Lowest	0.0	
File Shed	8/26/2014	10:07	Lowest	0.0	
Landfill Shop	8/26/2014	10:00	Lowest	0.0	

Certification: _____
Signature

8/26/2014
Date

**PERMANENT METHANE MONITORS
OPERATIONAL CHECK
Green Valley Landfill
3rd Quarter 2014**

Date: 8/26/2014

PERSONNEL: Russell Pierce

Structure	Inspection Time	Monitor Model No.	Unit Serial No.	Monitor Location	Operational and Calibrated? Y/N	COMMENTS
Office	10:15	Sierra 2001	991915	Main Hall	Yes	Adjusted Sensitivity
Storage Shed	N/A	N/A	N/A	N/A	N/A	Structure Removed
Scalehouse	10:05	Sierra 2001	0029m	North Wall	Yes	
File Shed	10:07	Sierra 2001	0025m	West Wall	Yes	
Landfill Shop	10:00	Sierra 2001	0059m	West Wall	Yes	

Certification: _____
Signature

8/26/2014
Date



October 10, 2014

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

Subject: Monthly LFG Report for September 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 September 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.

A handwritten signature in black ink, appearing to read "Paul D. Flory". The signature is fluid and cursive, with a long horizontal stroke at the end.

Paul D. Flory
Regional Manager

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



SEPTEMBER 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the September 10, 2014 monitoring event, the gas quality at the blower inlet was 50.5% CH₄, 33.6% CO₂, 1.1% O₂ and 14.8% balance gas. The applied vacuum to the wellfield was -27.35 inches of water and the flow was 770 SCFM.

Final Flare Readings

At the end of the tuning event on September 25, 2014, the gas quality going to the blower inlet was 50.3% CH₄, 32.7% CO₂, 1.2% O₂ and 15.8% balance gas. The applied vacuum to the wellfield was -27.96 inches of water and the flow was 700 SCFM.

The flare operated for 692.2 hours with an average flow of 295 SCFM during September 2014.

Table 1- 1 Control System Down Time Report		
Start time	End Time	Comments
9/14 18:08	9/14 19:52	Loss Of Power/Power Fluctuations
9/23 14:47	9/23 16:56	Shutdown for System Troubleshooting

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.

- Two (2) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Fourteen (14) 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.
- Sixteen (16) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Nine (9) 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 September 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 September 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 September 2014.

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

Extraction Well No.	Parameter	Comments
GRNVL47R	O2	Operated outside NSPS standards from 8/12/14 through the end of September.
GRNVLY04	O2	Operated outside NSPS standards from 8/12/14 through the end of September.

Collection System Operations and Maintenance

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

- No wells were activated during the month of September 2014.
- No wells were decommissioned during the month of September 2014.
- Pump maintenance was completed on the following wells: 59R, PW1 (2), PW2, 64R2, 60R, 49R, RS1, RS2, 47R, EW21, EW25, EW04, and EW63R.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.

Quarterly Surface Emissions Monitoring

The 3rd quarter Initials Surface Emission Monitoring was completed on August 26, 2014. One area was found to be over 500 ppm. The area passed its 10-day recheck on September 3, 2014. The thirty-day recheck was completed on September 25, 2014. Again, the area passed, concluding the 3rd quarter SEM at Green Valley.

These reports are presented in Attachment I.

Perimeter Probe and Building Monitoring

The 3rd quarter 2014 perimeter probe and on-site structure monitoring was performed on August 26, 2014. All probes need a cap and lock.

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.

This report contains the following appendices':

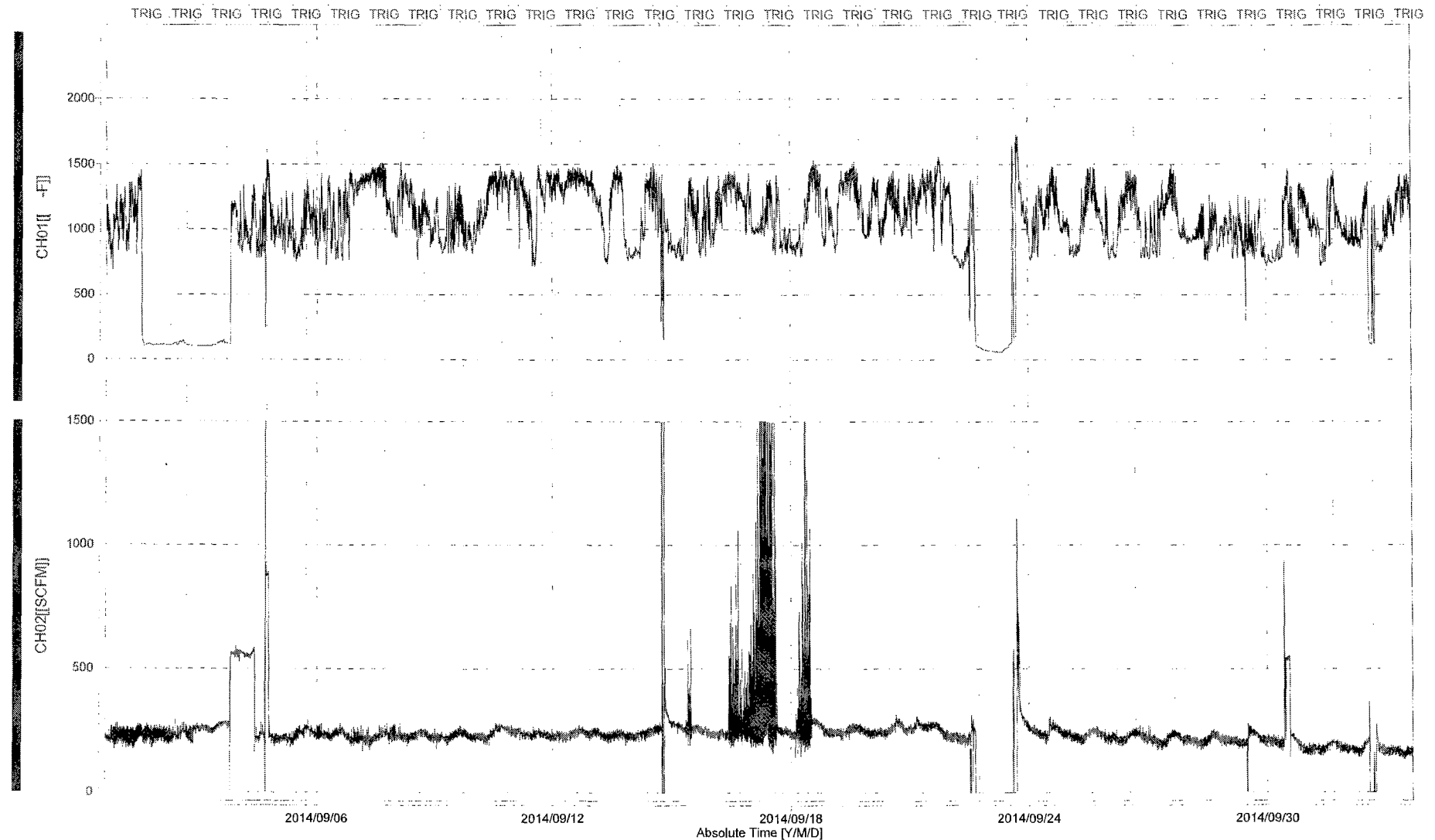
Attachment A – Flare Chart Records
Attachment B – Landfill Gas System Monitoring Data
Attachment C – Gas meter calibration records
Attachment D – O & M Form
Attachment E – Wellfield SOP summary
Attachment F– SSM Forms (if required)
Attachment G – Pump Count Table (if required)
Attachment H – Cover Integrity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

ATTACHMENT A

Flare Chart Records

Data Count	: 5933
Sampling Interval	: 480.000 sec
Start Time	: 2014/08/31 17:36:00.000
Stop Time	: 2014/10/03 16:32:00.000
Trigger Time	: 2014/10/03 16:32:00.000
Trigger No.	: 5932
Damage Check	: Not Damaged

```
Printed Group      : FLARE DATA
Printed Range     : 2014/08/31 17:36:00.000 - 2014/10/03 16:32:00.000
Comment          :
```



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - September 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	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-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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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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	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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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	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - September 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	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
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
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
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
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
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
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
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

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

Number of Wells With Methane < 48%	16
Number of Wells With Methane > 52%	45
Number of Wells With Methane > 58%	14
Number of Wells With Oxygen > 1%	16
Number of Wells With Temperature > 120°F	5
Number of Wells With Flow < 5 SCFM	9

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1003018
PDA ID: WM_Tom_Philips2
Meter Date: 9/10/14
Meter Time: 8:34 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1372	0	-0.07
Methane	000000EE1737	50.15	49.71
Oxygen	000000EE1737	0	0.07
Oxygen	000000EE1372	4	3.92
CO2	000000EE1372	0	0
CO2	000000EE1737	35.26	34.88
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: 9/10/14
Meter Time: 12:12 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1372	0	0.04
Methane	000000EE1737	50.15	50.82
Oxygen	000000EE1737	0	-0.07
Oxygen	000000EE1372	4	4.05
CO2	000000EE1372	0	0
CO2	000000EE1737	35.26	35.5
Available (high)	NA	0	0
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: 9/10/14
Meter Time: 1:02 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1372	0	-0.03
Methane	000000EE1736	50.15	50.45
Oxygen	000000EE1736	0	0.02
Oxygen	000000EE1372	4	4.02
CO2	000000EE1372	0	0
CO2	000000EE1736	35.26	34.98
Available (high)	NA	0	0
Applied (low)	NA	0	0
Applied (high)	NA	0	0.26
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1101009
PDA ID: WM_Tom_Philips2
Meter Date: 9/25/14
Meter Time: 7:04 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1849	0	0.06
Methane	000000EE1736	50.15	49.85
Oxygen	000000EE1736	0	0
Oxygen	000000EE1849	4	4.02
CO2	000000EE1849	0	0.05
CO2	000000EE1736	35.26	34.69
Available (high)	NA	0	0.3
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	0.04
Differential (low)	NA	0	-0.02
Differential (high)	NA	0	-0.04

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1101009
PDA ID: WM_Tom_Philips2
Meter Date: 9/25/14
Meter Time: 10:56 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1849	0	0.02
Methane	000000EE1736	50.15	48.86
Oxygen	000000EE1736	0	0
Oxygen	000000EE1849	4	4.03
CO2	000000EE1849	0	0.03
CO2	000000EE1736	35.26	36.24
Available (high)	NA	0	0.3
Applied (low)	NA	0	0
Applied (high)	NA	0	0
Differential (low)	NA	0	-0.01
Differential (high)	NA	0	0

Meter Calibration Form

Technician: Zachary Ankney
Meter Serial #: 1101009
PDA ID: WM_Tom_Philips2
Meter Date: 9/25/14
Meter Time: 11:42 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1849	0	-0.05
Methane	000000EE1736	50.15	49.52
Oxygen	000000EE1736	0	0
Oxygen	000000EE1849	4	4.09
CO2	000000EE1849	0	-0.07
CO2	000000EE1736	35.26	35.43
Available (high)	NA	0	0.3
Applied (low)	NA	0	0
Applied (high)	NA	0	0
Differential (low)	NA	0	-0.01
Differential (high)	NA	0	0.01

ATTACHMENT D

O & M Report

Green Valley Landfill

GCCS Major Components Checklist

Technician: **Zack Ankney**

Date: 9/10/2014

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	560	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	%	15	Recommend refill ASAP	

Air Compressor Components

Item	Yes	No	Comments	
Unit Operating in Automatic Mode	☒	☐	Hours: 10636; Temp: 200 F	
Compressor Tank Drained	☒	☐		
Filters Clean	☒	☒		
Compressor Tank Pressure	PSI		106	
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 Monitoring Data - September 2014

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV64R2	9/10/2014 9:09	59.3	GRNVLPW1	9/10/2014 8:50	59.7
GRNVL18R	9/10/2014 11:32	58.2	GRNVLY01	9/10/2014 12:41	58.7
GRNVL49R	9/10/2014 9:44	61.1	GRNVLY03	9/10/2014 10:20	60.8
GRNVL52R	9/10/2014 9:34	63.2	GRNVLY29	9/10/2014 12:25	58.8
GRNVL54R	9/10/2014 9:30	64.5	GRNVLY55	9/10/2014 9:53	61.1
GRNVL59R	9/10/2014 9:19	63	GRNVLY56	9/25/2014 8:28	61
GRNVL63R	9/10/2014 9:08	60.8	GRNVLY61	9/10/2014 9:27	60.1

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	9/10/2014 11:07	53.3	GRNVLPW2	9/25/2014 7:45	57.9
GRNV27RR	9/25/2014 11:14	56.8	GRNVLY01	9/10/2014 12:41	58.7
GRNV46R2	9/25/2014 8:40	54.6	GRNVLY02	9/10/2014 12:44	53.4
GRNV64R2	9/10/2014 9:09	59.3	GRNVLY03	9/10/2014 10:20	60.8
GRNV65R2	9/10/2014 9:12	57.7	GRNVLY16	9/10/2014 11:00	52.7
GRNVL08R	9/10/2014 11:14	54.9	GRNVLY19	9/10/2014 10:45	52
GRNVL10R	9/10/2014 12:29	55.7	GRNVLY23	9/10/2014 10:57	53.8
GRNVL13R	9/10/2014 10:38	56.7	GRNVLY24	9/10/2014 10:22	52.2
GRNVL18R	9/10/2014 11:32	58.2	GRNVLY25	9/10/2014 12:36	55.8
GRNVL26R	9/10/2014 10:25	54	GRNVLY28	9/10/2014 10:28	52.3
GRNVL32R	9/10/2014 12:23	54.1	GRNVLY29	9/10/2014 12:25	58.8
GRNVL41R	9/10/2014 9:55	57.5	GRNVLY30	9/10/2014 10:33	56.4
GRNVL49R	9/10/2014 9:44	61.1	GRNVLY31	9/10/2014 10:40	55.9
GRNVL52R	9/10/2014 9:34	63.2	GRNVLY34	9/10/2014 10:43	52.7
GRNVL54R	9/10/2014 9:30	64.5	GRNVLY36	9/10/2014 11:10	54.7
GRNVL59R	9/10/2014 9:19	63	GRNVLY37	9/10/2014 11:04	53.8
GRNVL63R	9/10/2014 9:08	60.8	GRNVLY55	9/10/2014 9:53	61.1
GRNVLHW1	9/10/2014 10:35	54.2	GRNVLY56	9/25/2014 8:28	61
GRNVLHW4	9/10/2014 8:59	52.4	GRNVLY57	9/10/2014 9:40	54.7
GRNVLHW6	9/10/2014 9:23	53.6	GRNVLY58	9/10/2014 9:37	55.7
GRNVLHW7	9/10/2014 8:55	54.3	GRNVLY61	9/10/2014 9:27	60.1
GRNVLHW8	9/10/2014 9:01	52.1	GRNVLY62	9/25/2014 8:06	53.3
GRNVLPW1	9/10/2014 8:50	59.7			

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV46R2	9/10/2014 10:09	30.9	GRNVLHW6	9/25/2014 8:04	46.1
GRNVL43R	9/25/2014 8:36	41.8	GRNVLHW7	9/25/2014 7:47	42.6
GRNVL44R	9/25/2014 8:38	37.6	GRNVLHW8	9/25/2014 7:40	36.6
GRNVL47R	9/25/2014 8:25	1.8	GRNVLY04	9/25/2014 11:27	0.1
GRNVL63R	9/25/2014 7:35	11.9	GRNVLY12	9/25/2014 8:59	46.6
GRNVLHW1	9/25/2014 9:03	38.9	GRNVLY30	9/25/2014 9:01	47.9
GRNVLHW3	9/25/2014 7:50	40.8	GRNVLY33	9/10/2014 11:27	26
GRNVLHW5	9/25/2014 7:38	32	GRNVLY7R	9/10/2014 11:19	39.9

Green Valley Landfill
Wellfield Monitoring Data - September 2014

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV27RR	9/25/2014 11:15	4.71	GRNVLHW3	9/25/2014 7:50	2.82
GRNV46R2	9/25/2014 8:40	0	GRNVLHW6	9/25/2014 8:04	4.85
GRNVL43R	9/25/2014 8:36	0	GRNVLY04	9/25/2014 11:27	3.85
GRNVL44R	9/25/2014 8:38	0	GRNVLY12	9/25/2014 8:59	0
GRNVL47R	9/25/2014 8:25	0			

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV46R2	9/25/2014 8:40	1.9	GRNVLHW6	9/25/2014 8:04	2.7
GRNV65R2	9/25/2014 7:29	2.5	GRNVLHW7	9/25/2014 7:48	4.1
GRNVL43R	9/25/2014 8:36	4.9	GRNVLHW8	9/25/2014 7:41	3.4
GRNVL44R	9/25/2014 8:38	4.5	GRNVLY02	9/25/2014 11:23	1.5
GRNVL47R	9/25/2014 8:25	15.1	GRNVLY04	9/25/2014 11:27	21.2
GRNVL59R	9/25/2014 8:00	1	GRNVLY24	9/25/2014 8:50	1.1
GRNVL63R	9/25/2014 7:35	17.2	GRNVLY29	9/25/2014 11:07	2
GRNVLHW3	9/25/2014 7:50	4.6	GRNVLY33	9/25/2014 9:52	4.9

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNVL10R	9/25/2014 11:09	126	GRNVL54R	9/25/2014 8:11	123.2
GRNVL32R	9/25/2014 11:04	128.9	GRNVLY36	9/25/2014 9:37	126.9
GRNVL52R	9/25/2014 8:14	121.2			

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form



Landfill: Green Valley

Unit: Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	9/14/14 19:52	9/14/14 19:53	0.02	17	☒	☐
Shutdown			0.00		☐	☐
Malfunction	9/14/14 18:08	9/14/14 19:52	1.73	17	Complete section 2 Below	
Date Form Filled Out: <u>10/10/14</u> Signature: <u>Paul Flory</u>						

* 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:

Loss of power/power issues

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

9/14/14

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)

Startup/Shutdown/Malfunction Report Form



Landfill: Green Valley

Unit: Flare

Section 1 - All Events

Type of Event	Military Time		Duration Hours	Event Code (see page 2)	SOP Followed?	
	Date/Time Start	Date/Time End			Yes	No
Startup	9/23/14 16:56	9/23/14 16:57	0.02	2	☒	☐
Shutdown	9/23/14 14:47	9/23/14 14:48	0.02	2	☒	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/10/14 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:

shutdown to troubleshoot the flare.

For Start-ups and Shutdowns

Note:

Green Valley

Flare

9/23/14

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)

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			
DL-8	1783	1783	2279	2547	Removed	Removed	Removed	Removed	Removed			
CK-1	473512	485094	493941	501182	509500	513,532	525668	538274	550414			
CK-2	209528	211751	213923	216505	220464	222473	231546	239444	247319			
CK-3	927685	942218	960371	985386	271	9228	32565	51616	70415			
CK-4	31673	39189	56246	73570	78598	82496	91888	96791	102910			
CK-H	283730	361537	605581	907606	952395	956256	961177	963238	14000			
Toe Drain	704959	845894	919151	235923	307712	343,274	400734	433931	476481			
GRNVLPW1									5120			
GRNVLPW2									3131			
RS1									275			
RS2									1345			
GRNVLY04	716033	774517	882520	920916	982868	53123	96742	148164	211497			
GRNVLY7R	812913	865126	899584	918321	966928	7695	50865	82492	115354			
GRNVL08R	63063	63888	64947	66342	66933	67675	68363	68733	69061			
GRNVL10R	604	604	608	608	608	608	608	608	608			
GRNVL13R	123056	126584	129428	131738	134467	137791	141549	144035	146182			
GRNVL18R		288	288	290	290	290	290	291	291			
GRNVLY21	64	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	190706			
GRNVL26R	149753	152018	153637	153637	155993	156909	156938	156954	156954			
GRNV27RR	10712	10712	10712	10712	10717	10717	10723	10723	10729			
GRNVLY28	54939	60430	61743	61749	63120	63126	63159	68777	73719			
GRNVLY29	105929	106851	108806	109583	Missed	110598	111002	111002	111015			
GRNVL32R		388317	613352	613352	613352	613352	613352	613352	613352			
GRNVLY35	273	273	273	274	274	274	274	1790	9848			
GRNVL38R	24808	24947	24947	24947	24947	24947	24947	24947	24947			
GRNVL41R	98675	98711	98719	98721	Missed	98730	98732	98734	98739			
GRNVL43R	369256	369256	9458	Removed	Removed	Removed	Removed	Removed	Removed			
GRNVL44R					98726	Removed	Removed	Removed	Removed			
GRNVL47R				221	Missed	225	225	229	229			
GRNVL49R									4385			
GRNVL52R	41479	58747	70281	73170	77799	77799	77799	77799	41141			
GRNVL54R	458059	458061	458061	458061	458061	458061	360274	375828	417826			
GRNVLY55	1944	1945	1945	1946	1947	1957	1957	1968	1968			
GRNVLY56	51769	52333	52333	52333	52333	52549	52649	53638	55749			
GRNVLY57	7832	8393	8923	9315	9629	9916	10209	10410	10446			
GRNVLY58	264	288	288	288	288	291	291	292	292			
GRNVL59R									28473			
GRNVL60R									206			
GRNVLY61	21328	21328	23024	40732	46139	46144	46340	861470	865658			
GRNVLY62	251	251	251	251	Removed	Removed	Removed	Removed	10656			
GRNVL63R	276200	276202	276202	276202	Removed	Removed	Removed	Removed	NA			
GRNV64R2									66206			

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan



LANDFILL: Green Valley - 2014

Month	Cover Integrity problems found during the inspection	Date Site Notified	Date Repairs Made	Site Remediation
		MCC/Republic Initials	Republic Initials	
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				
November 2014				
December 2014				

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form



Installation Point: 59R

Site Information

Technician	Glen Tackett
Date	9/5/14
Site	Green Valley
Pump Type	AP4+
Pump ID	4-3318
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft.)	34
Well Depth (ft.)	76
Drill log Depth (ft.)	N/A
Pump Set Depth (ft.)	74.5
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 205
Wellhead with compression fittings	X		
Hoses	X		
Hose Barbs	X		
Clamps	X		
Quick Connect Fittings	X		
Regulator	X		Set point (psi): 70
Regulator Particulate Filter	X		
Condensation Trap	X		
FM Pressure	X		PSI 15

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, repaired and installed.

Parts Required for Repair/Replacement

Dual extraction flange seal, regulator kit and counter.

Pneumatic Pump Maintenance Form



Installation Point: PW1

Site Information

Technician	Zack and JC
Date	9/18/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3410
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	20
Well Depth (ft)	35
Drill log Depth (ft)	-
Pump Set Depth (ft)	33
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 200
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:

New Install

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: PW2

Site Information

Technician	Zack and JC
Date	9/18/14
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)	15.8
Well Depth (ft)	45
Drill log Depth (ft)	-
Pump Set Depth (ft)	43
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 200
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:

New Install

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: 64R2

Site Information

Technician	Zack and JC
Date	9/18/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3416
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	31.8
Well Depth (ft)	65.8
Drill log Depth (ft)	-
Pump Set Depth (ft)	63
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 200
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:

New Install

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: 60R

Site Information

Technician	Zack and JC
Date	9/18/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3310
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	68.4
Well Depth (ft)	82.6
Drill log Depth (ft)	-
Pump Set Depth (ft)	80
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 200
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:

New Install

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW49R

Site Information

Technician	Russell Pierce/Jc Lynn
Date	9/19/14
Site	Green Valley
Pump Type	AP4+
Pump ID	4-3358
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	35.6
Well Depth (ft)	67.2
Drill log Depth (ft)	-
Pump Set Depth (ft)	65
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 212
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	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:

New pump, regulator, and counter installation.

Parts Required for Repair/Replacement

--

Pneumatic Pump Maintenance Form



Installation Point: RS1

Site Information

Technician	Russell Pierce/Jc Lynn
Date	9/19/14
Site	Green Valley
Pump Type	AP4+
Pump ID	4-5475
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	6
Well Depth (ft)	20
Drill Log Depth (ft)	-
Pump Set Depth (ft)	18
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 222
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		
Condensataion 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:

New pump, regulator, and counter installation.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: RS2

Site Information

Technician	Russell Pierce/Jc Lynn
Date	9/19/14
Site	Green Valley
Pump Type	AP4
Pump ID	3-18041-S
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	6.7
Well Depth (ft)	17.9
Drill log Depth (ft)	-
Pump Set Depth (ft)	16
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 207
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		
Condensate 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:

New pump, regulator, and counter installation.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: 47R

Site Information

Technician	Zack Ankney
Date	9/24/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3437
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	35.4
Well Depth (ft)	57.7
Drill log Depth (ft)	-
Pump Set Depth (ft)	46.7
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 229
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 83
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:

Needed backhoe to extract pump. Pinch in well preventing pump from going back in. Unable to reinstall.

Parts Required for Repair/Replacement

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Pneumatic Pump Maintenance Form



Installation Point: EW21

Site Information

Technician	Zack Ankney
Date	9/24/14
Site	Green Valley
Pump Type	AP4
Pump ID	S/N: 3-24538-S
Tri-Tubing Diameter	1"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	64.7
Well Depth (ft)	74
Drill log Depth (ft)	-
Pump Set Depth (ft)	66.8
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 66
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 85
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. Low liquid level.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW25

Site Information

Technician	Zack Ankney
Date	9/24/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1347
Tri-Tubing Diameter	1"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	83
Well Depth (ft)	86.2
Drill log Depth (ft)	-
Pump Set Depth (ft)	83.4
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 190595
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. Low liquid level.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: PW1

Site Information

Technician	Zack Ankney
Date	9/24/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3410
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	18.8
Well Depth (ft)	35
Drill log Depth (ft)	-
Pump Set Depth (ft)	33
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 4219
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:

Air pin remaining open while in exhaust position, causing pump to bypass. Adjusted air pin. Pump cycling properly.

Parts Required for Repair/Replacement

--

Pneumatic Pump Maintenance Form



Installation Point: EW04

Site Information

Technician	Zack Ankney
Date	9/24/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3409
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	68.3
Well Depth (ft)	75.2
Drill log Depth (ft)	-
Pump Set Depth (ft)	71.1
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 210395
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 86
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. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form



Installation Point: EW63R

Site Information

Technician	Zack Ankney
Date	9/24/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3437
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	12.6
Well Depth (ft)	25.4
Drill log Depth (ft)	-
Pump Set Depth (ft)	23
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: N/A "See notes"
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): N/A
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:

Attempted install. Fabbbed up pump, well seal, and cable. Well will not accept pump due to pinch.

Parts Required for Repair/Replacement

LFG Extraction Well Liquid Levels

Site Name: Green Valley

SEPTEMBER 2014

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation <u>at</u> <u>time of Liquid</u> <u>Level</u> <u>Measurement</u> (ft)	TOC to Ground Surface <u>(Measured</u> <u>in Field)</u> (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
GRNVL49R	GRNVL49R	9/19/14	940.71	6	35.6	67.2	Y		212	New pump, regulator, and counter installation.
GRNVL59R	GRNVL59R	9/5/14			34	76	Y		205	Cleaned, repaired, and installed.
GRNVL60R	GRNVL60R	9/18/14			68.4	82.6	Y		200	New install.
GRNV64R2	GRNV64R2	9/18/14			31.8	65.8	Y		200	New install.
GRNVLPW1	GRNVLPW1	9/18/14			20	35	Y		200	New install.
GRNVLPW2	GRNVLPW2	9/18/14			15.8	45	Y		200	New install.
RS1	RS1	9/19/14			6	20	Y		222	New pump, regulator, and counter installation.
RS2	RS2	9/19/14			6.7	17.9			207	New pump, regulator, and counter installation.
GRNVLY21	GRNVLY21	9/24/14		4.5	64.7	74	Y		66	Pulled, inspected, and cleaned pump. Low liquid level.
GRNVLY25	GRNVLY25	9/24/14		6	83	86.2	Y		190595	Pulled, inspected, and cleaned pump. Low liquid level.
GRNVL47R	GRNVL47R	9/24/14	938.04	3.5	35.4	57.7	Y		229	Needed backhoe to extend pump. Pinch in well preventing pump from going back in. Unable to reinstall.
GRNVL63R	GRNVL63R	9/24/14	883	2	12.6	25.4	Y			Attempted install. Fabbbed up pump, well seal, and cable. Well will not accept pump due to pinch.
GRNVLY04	GRNVLY04	9/24/14		4.5	68.3	75.2	Y		210395	Pulled, inspected, and cleaned pump. Cycling properly.
GRNVLPW1	GRNVLPW1	9/24/14			18.8	35	Y		4219	Air pin remaining open while in exhaust position, causing pump to bypass. Adjusted air pin. Pump cycling properly.

Green Valley Landfill
Over 58% Methane Table - September 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	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		New well	Pump installed	
GRNV65R2	58.5	59		58.2		58.4			Low applied vacuum, 9 scfm	Pump install?	
GRNV47R	61.4	61.4	60.1						Remote watered in. Pump was removed but cant be re-installed.	New remote to be installed by Landmarc	
GRNV49R	62.3	62.2	60.1	61.1	61.5	61.2	61.1	58.8	Max applied, 20 scfm, 29 ft of liquid,	Pump installed	
GRNV52R	64.6	65.1	63	62.6	62.1	62.8	63.2	62	swapped over to 3" FM	swapped over to 3" FM	
GRNV54R	67.1	58.6					63.2	59.1	max applied, has pump	Forcemain restricted.	
GRNV59R	65.4	65.2	61.4	62.4	63.2	62.5	63		New well, max applied	Pump installed	
GRNV60R	62.1	60.8							New well, max applied	Pump installed	
GRNV63R	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	
GRNVLHW6	60.7				60.9				Tuned back due to oxygen intrusion	Additional tuning	
GRNVLHW7		59		58.9					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			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	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	max applied, has pump	FM restriction	
GRNVLY56	62.6	62.8	60.3	62.1	61.1	60.9	60.8	61	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		Forcemain restricted	Raise vacuum, FM restriction, FM jumper line?	
GRNV18R					58.3	59.7	58.2			Additional tuning	
GRNV38R					59.8					Additional tuning	
GRNVLY19					58					Additional tuning	
GRNVCO02						60.6	62.8	62.6	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			
Monitoring points	63	63	63	63	63	63	62	62			
Percentage	33.33%	30.16%	14.29%	22.22%	23.81%	26.98%	24.19%	14.52%			
Month total		June		July		August		September			
		25		15		22		16			
		39.68%		23.81%		34.92%		25.81%			

Calibration Precision Record



Landfill Name: Green Valley (3rd Quarter 10 Day Recheck)

Monitoring Date: Wednesday, September 03, 2014 Performed By: Zack Ankney

Time: 15:30:00 Expiration Date: 12/3/2014

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: 499.3 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 498.7 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 498.2 ppm (6)

Calculate Precision:

= 0.25 % (result must be less than 10%)

$((\text{STD}-(2))+(\text{STD}-(4))+(\text{STD}-(6)))/3 \times (1/500) \times (100/1)$

Instrument Response Time Record

Landfill Name: Green Valley (3rd Quarter 10 Day Recheck)

Monitoring Date: Wednesday, September 03, 2014 Time: 15:30:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibration gas 499.3 ppm

90% of the stabilized reading = 449.37 ppm

Time to reach 90% of stabilized reading
after switching from zero air to calibration
gas. 9 seconds (1)

Measurement #2

Stabilized reading using calibration 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. 10 seconds (2)

Measurement #3

Stabilized reading using calibration gas 498.2 ppm

90% of the stabilized reading = 448.38 ppm

Time to reach 90% of stabilized reading
after switching from zero air to calibration
gas. 10 seconds (3)

Calculate Response Time = 9.67 seconds (must be less than 30 seconds)

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

Performed By: Zack Ankney Date: 9/3/14

Calibration Procedure and Background Report

Landfill Name: Green Valley (3rd Quarter 10 Day Recheck)

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

Background Determination Procedure

1. Upwind background reading (highest in 30 seconds) 4.6 ppm (1)
2. Downwind reading (highest in 30 seconds) 5.2 ppm (2)

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

Background = 4.9 ppm

Performed By: Zack Ankney

Date: 09/03/14 Time: 15:30:00

Daily Surface Monitoring Log Sheet

Landfill Name: Green Valley (3rd Quarter 10 Day Recheck)

Performed By: Zack Ankney

Date: Wednesday, September 03, 2014

Start Time: 15:30:00

<u>Exceedance Identifier</u>	<u>Location and Time</u>	<u>Concentration of Exceedance (ppm)</u>
Hit 1	In between PW1 and HW3 @ 1539	146

Weather Conditions

Temp: 82

Wind Speed: 4-6 MPH

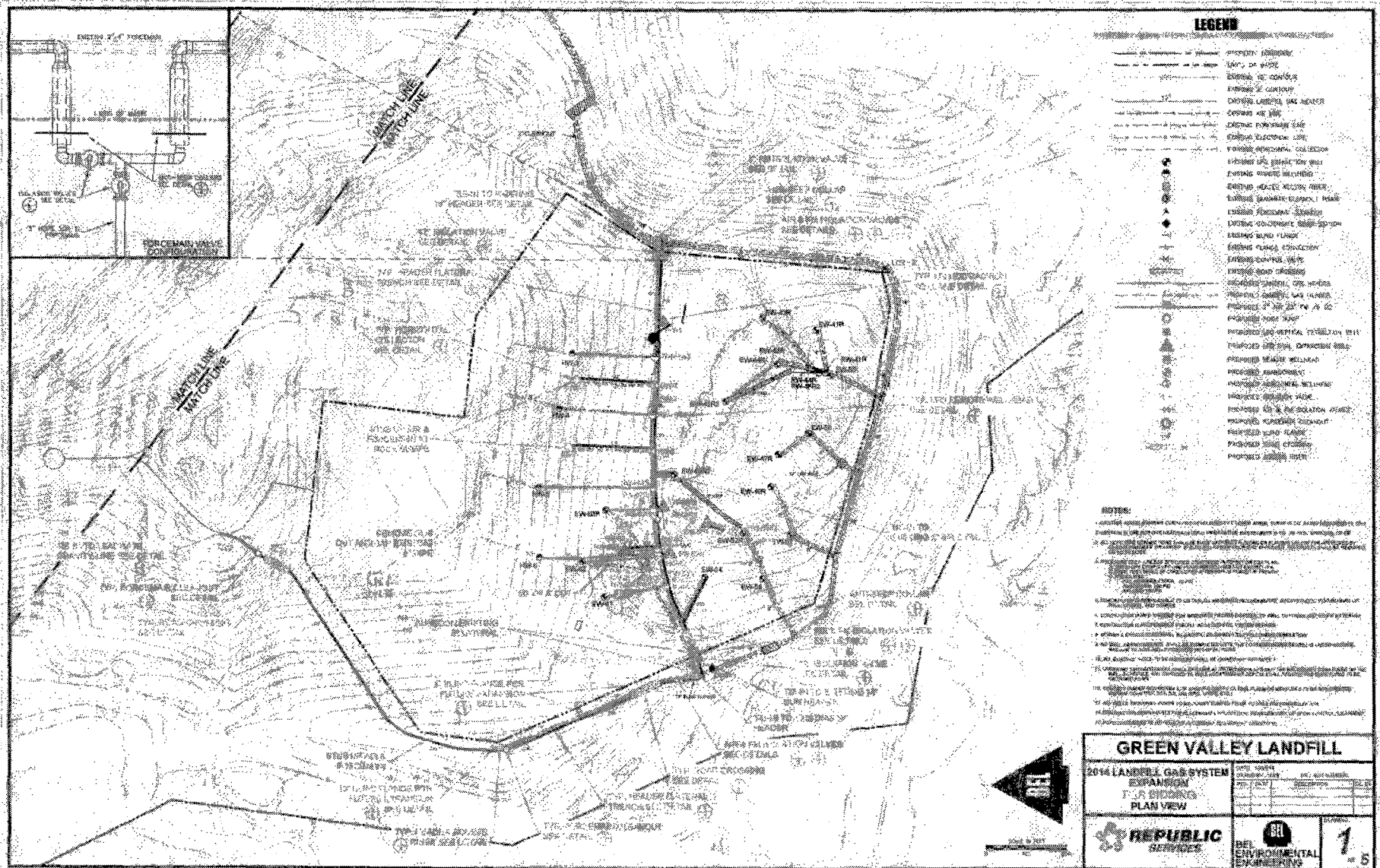
Wind Direction: SW

Sky Condition: Clear

Precipitation: None

3rd Quarter 10 Day Redbook 9/3/14

Handwritten signature



A-1 - 146 ppm

Calibration Precision Record



Landfill Name: Green Valley (3rd Quarter 30 Day Recheck)

Monitoring Date: Thursday, September 25, 2014 Performed By: Zack Ankney

Time: 12:20:00 Expiration Date: 12/25/2014

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: 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 497.3 ppm (6)

Calculate Precision:

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

$$((\text{STD}-(2))+(\text{STD}-(4))+(\text{STD}-(6)))/3 \times (1/500) \times (100/1)$$

Instrument Response Time Record

Landfill Name: Green Valley (3rd Quarter 30 Day Recheck)

Monitoring Date: Thursday, September 25, 2014 Time: 12:20:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibration 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. 11 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. 12 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. 12 seconds (3)

Calculate Response Time = 11.67 seconds (must be less than 30 seconds)
(1) + (2) + (3) / 3

Performed By: Zack Ankney Date: 9/25/14

Calibration Procedure and Background Report

Landfill Name: Green Valley (3rd Quarter 30 Day Recheck)

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 = 500.2 ppm
3. Adjust meter settings to read 500 ppm

Background Determination Procedure

1. Upwind background reading (highest in 30 seconds) 2.7 ppm (1)
2. Downwind reading (highest in 30 seconds) 3.6 ppm (2)

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

Background = 3.15 ppm

Performed By: Zack Ankney

Date: 09/25/14

Time: 12:20:00

Daily Surface Monitoring Log Sheet

Landfill Name: Green Valley (3rd Quarter 30 Day Recheck)

Performed By: Zack Ankney

Date: Thursday, September 25, 2014

Start Time: 12:20:00

<u>Exceedance Identifier</u>	<u>Location and Time</u>	<u>Concentration of Exceedance (ppm)</u>
Hit 1	In between PW1 and HW3 @ 1231	163

Weather Conditions

Temp: 75

Wind Speed: 4-6 MPH

Wind Direction: NE

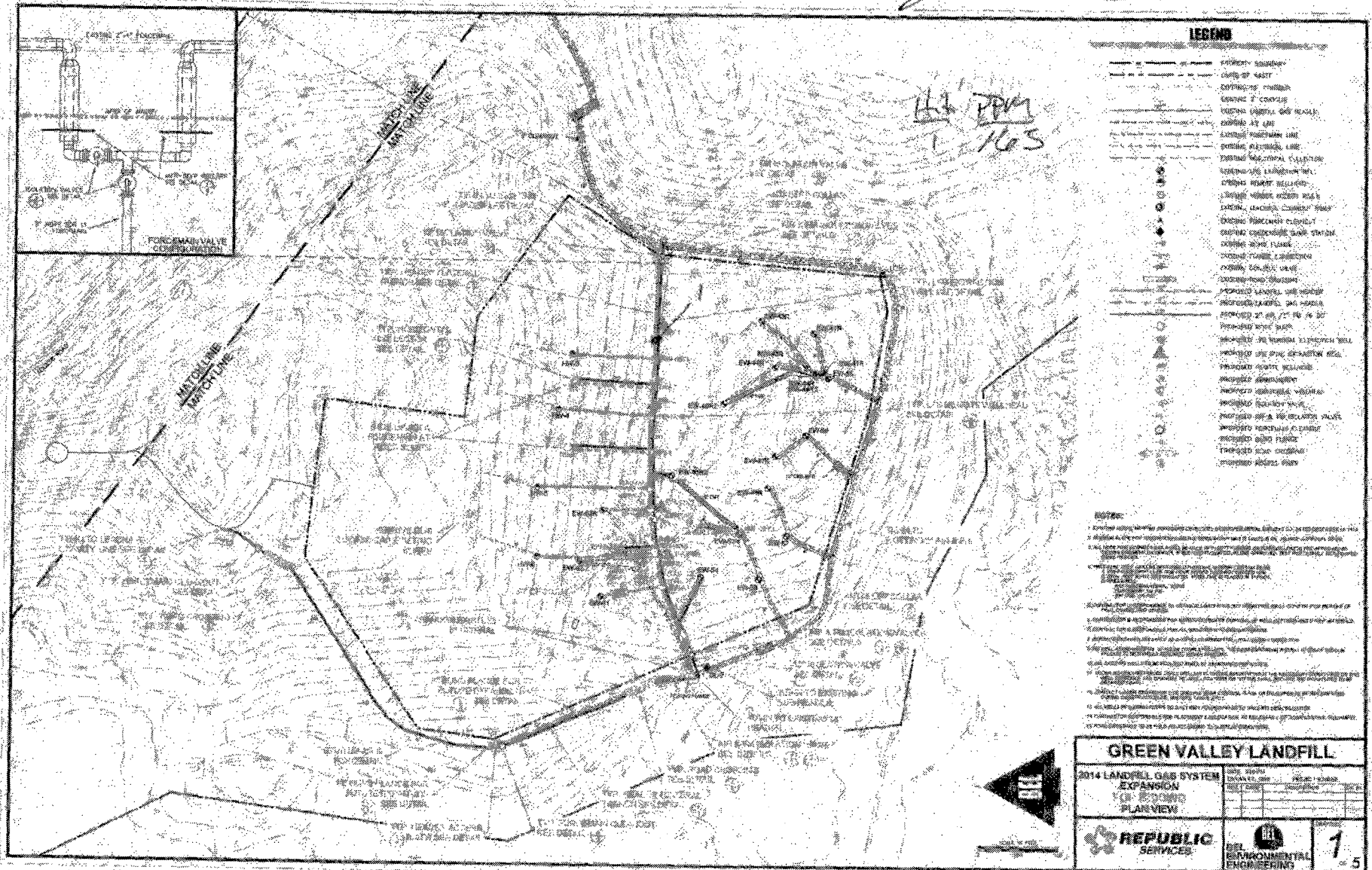
Sky Condition: Clear

Precipitation: None

Green Valley 3rd Quarter 30 Day Recheck

[Signature]

9/25/14



ATTACHMENT J

Rolling Data Table

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	9/2/2013 12:29	59.3	40.5	0.1	0.1	0.3	-0.8	91	16	17	-28.49	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-27RR	9/2/2013 16:08	60.4	39.1	0.3	0.2	-0.8	0	136	12	31	-28.12	Dec Flow/Vacuum; NSPS/EG CAI; Fully Closed; Mod. closed less than 1/2 turn
EW-27RR	9/2/2013 16:12	60.7	39.2	0	0.1	0.2	0.2	121	7	7	-28.13	Fully Closed No Change
EW-27RR	9/18/2013 7:56	58	41.9	0	0.1	0.2	-1	62	13	14	-26.29	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-27RR	9/18/2013 13:09	55.5	40.6	0	3.9	-1	0	130	11		-29.85	Dec Flow/Vacuum; Fully Closed; Mod. closed less than 1/2 turn
EW-27RR	9/18/2013 13:15	43.8	32.1	4.7	19.4	0	0	102	3		-29.87	No Change made in Valve Position; Fully Closed No Change
EW-27RR	9/26/2013 7:53	58.5	41.4	0	0.1	0	-1.3	58	11	17	-12.93	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-27RR	9/26/2013 11:26	59.1	40.8	0	0.1	-1.1	0	135	17	29	-12.53	Dec Flow/Vacuum; Fully Closed; NSPS/EG CAI; Closed greater than 1 turn
EW-27RR	9/26/2013 11:30	51.9	34.9	2.9	10.3	0	0	116	8	11	-12.25	Fully Closed No Change
EW-27RR	10/1/2013 8:15	58.7	41.2	0	0.1	0	-1.7	72	12	36	-12.67	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-27RR	10/1/2013 14:37	58.2	40.6	0.2	1	-1.3	0	136	24	15	-11.23	Dec Flow/Vacuum; Fully Closed; NSPS/EG CAI; Mod. closed less than 1/2 turn
EW-27RR	10/1/2013 14:40	57.9	42	0	0.1	0	0	122	16	14	-11.34	Fully Closed No Change
EW-27RR	10/21/2013 15:20	58.3	41.6	0	0.1	0.2	0.2	76	13	13	-32.36	No Change made in Valve Position; Fully Closed No Change
EW-27RR	10/21/2013 15:23	58	41.9	0	0.1	0.2	0.2	75	13	12	-32.48	Fully Closed No Change
EW-27RR	11/11/2013 14:34	57.4	41.1	0.3	1.2	0.2	0.2	69	17	16	-14.54	No Change made in Valve Position; Fully Closed No Change
EW-27RR	11/11/2013 14:36	56.2	42	0	1.8	0.3	0.2	69	15	14	-14.64	Fully Closed No Change
EW-27RR	11/25/2013 13:50	58.8	41.1	0	0.1	0	-0.7	103	28	24	-7.33	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-27RR	11/25/2013 16:41	58.6	40.8	0.4	0.2	-0.8	-1	127	5	19	-6.93	No Change made in Valve Position
EW-27RR	11/26/2013 9:44	47.4	40.4	0	12.2	-0.8	-0.6	124	34	30	-7.9	No Change made in Valve Position
EW-27RR	11/26/2013 13:48	60.3	39.6	0	0.1	-0.5	-0.6	127	22	21	-6.45	No Change made in Valve Position
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

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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	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-63R	9/3/2013 11:17	62.4	37.5	0	0.1	-32.9	-33	88	22	21	-32.7	Fully Opened No Change
EW-63R	9/18/2013 15:23	54.4	37.5	1.3	6.8	-32.5	-32.1	86			-32.29	Fully Opened No Change
EW-63R	10/2/2013 9:52	59	40.9	0	0.1	-13.6	-13.5	89	13	6	-13.43	Fully Opened No Change
EW-63R	10/9/2013 15:24	58.9	41	0	0.1	-26.7	-27.1	89	4	24	-26.98	Fully Opened No Change
EW-63R	10/21/2013 14:32	59.5	40.4	0	0.1	-37.5	-37.7	85	14		-37.68	Fully Opened No Change
EW-63R	11/12/2013 10:27	26.5	19	11.5	43	-15.7	-15.5	32	4	4	-15.56	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn
EW-63R	11/12/2013 10:30	30.8	22.1	10.3	36.8	-15.6	-15.8	33			-15.75	No Change made in Valve Position
EW-63R	11/20/2013 12:49	60.5	39.3	0.1	0.1	-10.5	-10.5	84	20	19	-10.48	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-63R	11/20/2013 12:51	60.6	39.3	0	0.1	-10.6	-10.4	84	19	19	-10.63	No Change made in Valve Position
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
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
GRNV17R2	9/2/2013 14:23	47.7	34.9	0	17.4	-10.4	-10.1	105	53	48	-18.92	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNV17R2	9/2/2013 14:26	48.3	34.6	0	17.1	-10.1	-10	105	51	48	-18.75	No Change made in Valve Position
GRNV17R2	9/18/2013 9:01	43	34.8	0.3	21.9	-9.4	-8.3	104	46	31	-18.13	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNV17R2	9/18/2013 9:04	43.4	35.1	0	21.5	-8	-8	104	47	30	-18.37	No Change made in Valve Position
GRNV17R2	10/1/2013 11:00	55.6	35.8	0.1	8.5	-3.8	-4	103	28	29	-9	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNV17R2	10/1/2013 11:03	57.1	36	0	6.9	-4.1	-4.1	104	23	14	-8.87	No Change made in Valve Position
GRNV17R2	10/22/2013 11:41	47.8	36	0	16.2	-6	-6	103	33	37	-13.64	Surging; No Change made in Valve Position

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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	11/12/2013 13:47	42.4	33.6	0.1	23.9	-5.9	-5.4	102	35	28	-11.54	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNV17R2	11/12/2013 13:50	41.5	33.9	0	24.6	-5.4	-5.5	101	29	29	-11.62	No Change made in Valve Position
GRNV17R2	11/25/2013 15:46	51.2	34.5	0.6	13.7	-2.4	-2.3	100	26	25	-6.62	No Change made in Valve Position
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
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
GRNV46R2	9/3/2013 18:31	59.6	40.3	0	0.1	-32.6	-32.7	91	3		-32.82	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV46R2	9/3/2013 18:34	59	40.9	0	0.1	-32.6	-32.9	91	12	8	-33.11	No Change made in Valve Position
GRNV46R2	9/18/2013 17:31	58.9	40.9	0.1	0.1	-32.6	-32.6	74	6	30	-32.82	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV46R2	9/18/2013 17:34	59	40.9	0	0.1	-32.3	-32.3	74	11		-32.55	No Change made in Valve Position
GRNV46R2	10/2/2013 12:12	59.6	40.3	0	0.1	-12.9	-13.1	91	17	5	-13.11	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV46R2	10/2/2013 12:16	59.2	40.7	0	0.1	-13.3	-13.2	92		10	-13.29	No Change made in Valve Position
GRNV46R2	10/21/2013 13:10	60.6	39.3	0	0.1	-37.3	-37.4	71	15	41	-37.68	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV46R2	10/21/2013 13:14	60.3	39.6	0	0.1	-37.8	-37.3	72	10		-37.54	No Change made in Valve Position
GRNV46R2	11/12/2013 8:39	51.9	33.2	3.3	11.6	-15.8	-15.9	29	9	8	-15.74	No Change made in Valve Position
GRNV46R2	11/26/2013 15:37	51.7	31.9	3.6	12.8	-8.2	-8.2	35	16	16	-8.16	No Change made in Valve Position
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

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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	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
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
GRNV50R2	9/3/2013 11:04	57.6	42.3	0	0.1	-16.8	-23.3	86	35	12	-32.56	Inc Flow/Vacuum; Surging; Mod. Opened less than 1/2 turn
GRNV50R2	9/3/2013 11:08	57.5	42.4	0	0.1	-21.8	-22.2	87	21	29	-33.38	No Change made in Valve Position
GRNV50R2	9/18/2013 15:07	55.7	42.9	0.2	1.2	-32.5	-32.3	70	8		-32.67	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV50R2	9/18/2013 15:11	56.3	43.6	0	0.1	-32.5	-32.9	69			-32.8	No Change made in Valve Position
GRNV50R2	10/2/2013 9:35	8.3	5	18	68.7	-13.5	-13.6	71			-13.56	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn; Valve Barely Open
GRNV50R2	10/2/2013 10:19	27.2	17.1	10.5	45.2	-13.8	-13.7	83	9	15	-13.7	No Change made in Valve Position; Valve Barely Open
GRNV50R2	10/9/2013 15:11	51.1	35.6	3.2	10.1	-27	-27.2	78	15	15	-27.3	No Change made in Valve Position; Valve Barely Open
GRNV50R2	10/21/2013 14:18	57.4	42.5	0	0.1	-38.5	-39	73	4	16	-38.94	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV50R2	10/21/2013 14:22	57.1	42.8	0	0.1	-39	-38.6	73		16	-38.89	No Change made in Valve Position
GRNV50R2	11/12/2013 9:52	14.4	8.5	17.1	60	-15.8	-15.7	31			-15.55	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn; Valve Barely Open
GRNV50R2	11/12/2013 9:55	16.7	11.4	15.4	56.5	-15.3	-15.5	30			-15.35	No Change made in Valve Position
GRNV50R2	11/20/2013 12:03	20.9	14	13.7	51.4	-11.1	-11.3	63	13	14	-11.42	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNV50R2	11/20/2013 12:07	23.1	15.8	12.7	48.4	-11.1	-11.1	62	15	14	-11.1	No Change made in Valve Position; Valve Barely Open
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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
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
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
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
GRNV65R2	9/3/2013 10:02	59.4	40.5	0	0.1	-32.3	-32.8	85	19	29	-32.59	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV65R2	9/3/2013 10:05	59.3	40.6	0	0.1	-32.6	-32.9	85	25	16	-32.39	No Change made in Valve Position
GRNV65R2	9/18/2013 16:17	58.4	41.5	0	0.1	-32.6	-32.4	75	36	51	-32.75	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV65R2	9/18/2013 16:20	58.2	41.7	0	0.1	-32.7	-32.8	76	17		-32.73	No Change made in Valve Position
GRNV65R2	10/2/2013 11:13	57.6	40.1	0.4	1.9	-13.3	-13.3	84	10	6	-13.26	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV65R2	10/2/2013 11:17	55.8	41.5	0.1	2.6	-13.3	-13.2	85	8	4	-13.18	No Change made in Valve Position
GRNV65R2	10/21/2013 13:44	57.8	42.1	0	0.1	-37.8	-38.4	71	39	58	-38.3	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV65R2	10/21/2013 13:47	57.5	42.4	0	0.1	-38.1	-37.9	71	91		-38.03	No Change made in Valve Position
GRNV65R2	11/12/2013 9:15	59.2	40.7	0	0.1	-15.8	-15.6	41	0		-15.73	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV65R2	11/12/2013 9:18	58.7	41.2	0	0.1	-15.8	-15.9	43			-16.03	No Change made in Valve Position
GRNV65R2	11/26/2013 16:15	59.7	40.2	0	0.1	-8.1	-8.1	40	17	17	-8.04	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV65R2	11/26/2013 16:18	59.1	40.8	0	0.1	-8	-8.1	41	12	13	-8.03	No Change made in Valve Position
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

Green Valley Landfill
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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	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
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
GRNVLO8R	9/3/2013 8:54	45.5	35.7	0	18.8	-3.5	-3.1	115	21	16	-19.32	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLO8R	9/3/2013 8:58	45.4	33.6	0	21	-3.1	-3.1	114	16	15	-20.17	No Change made in Valve Position
GRNVLO8R	9/18/2013 10:43	43.4	36.1	0.2	20.3	-2.1	-2	110	17	6	-21.05	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLO8R	9/18/2013 10:46	43.6	36.3	0	20.1	-1.9	-1.9	108	15	19	-21.02	No Change made in Valve Position
GRNVLO8R	10/1/2013 15:54	57.9	39.1	0	3	0	-0.1	106		31	-10.27	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLO8R	10/1/2013 15:58	57.8	40.3	0	1.9	-0.2	-0.2	110	36	35	-10.29	No Change made in Valve Position; Valve Barely Open
GRNVLO8R	10/23/2013 13:25	51.9	39.5	0	8.6	-1.9	-1.9	109	23	28	-12.48	No Change made in Valve Position
GRNVLO8R	11/12/2013 15:28	50.6	37.1	0.2	12.1	-1.8	-1.8	106	15	15	-11.44	No Change made in Valve Position
GRNVLO8R	11/26/2013 11:13	48.4	38.9	0	12.7	0.4	0	104			-6.4	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLO8R	11/26/2013 11:17	48.6	39.4	0	12	-0.2	-0.2	109			-6.15	No Change made in Valve Position
GRNVLO8R	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
GRNVLO8R	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
GRNVLO8R	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

Green Valley Landfill
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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	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
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
GRNVL10R	9/2/2013 15:03	61.2	36.9	0.5	1.4	-0.9	-0.9	138	23	34	-18.8	No Change made in Valve Position; HOV (140 deg. F)
GRNVL10R	9/18/2013 9:48	58.7	39.7	0.3	1.3	-1.5	-4	132	26	22	-22.26	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn; HOV (140 Deg. F)
GRNVL10R	9/18/2013 9:51	58.8	40.2	0.1	0.9	-4.2	-4.2	134	27	13	-20.99	No Change made in Valve Position
GRNVL10R	10/1/2013 14:44	59.3	40.2	0.3	0.2	-2.5	-3.1	133	24	32	-10.13	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL10R	10/1/2013 14:47	58.3	41.3	0.2	0.2	-3.3	-3.3	133	24	26	-10.08	No Change made in Valve Position; HOV (140 Deg. F)
GRNVL10R	10/22/2013 12:08	49	33.9	3	14.1	-3.9	-4	123	31	28	-13.93	Surging; No Change made in Valve Position
GRNVL10R	11/12/2013 14:28	48.4	36.1	0.9	14.6	-4.9	-4.8	126	72	72	-11.51	No Change made in Valve Position
GRNVL10R	11/25/2013 16:08	53.9	37.6	0.1	8.4	-2.2	-2.4	129	16	20	-6.23	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL10R	11/25/2013 16:11	53.9	37.7	0.2	8.2	-2.5	-2.5	129	21	22	-6.65	No Change made in Valve Position
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

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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	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
GRNVL13R	9/2/2013 13:25	50.5	35.4	0.2	13.9	-11.9	-11.9	118	30	27	-18.91	Surging; No Change made in Valve Position
GRNVL13R	9/17/2013 11:02	49.7	36.2	0	14.1	-11.5	-11.5	116	18	24	-19.27	Surging; No Change made in Valve Position
GRNVL13R	10/1/2013 9:47	51.7	36.8	0	11.5	-6.7	-6.7	115	18	7	-9.66	No Change made in Valve Position; Insufficient Available Vacuum
GRNVL13R	10/22/2013 10:36	45	36.3	0.1	18.6	-9.2	-8.8	114	24	34	-13.64	Dec Flow/Vacuum; Surging; Slightly Closed less than 1/4 turn
GRNVL13R	10/22/2013 10:39	44.7	36.5	0	18.8	-8.7	-8.7	113	14	35	-12.96	No Change made in Valve Position
GRNVL13R	11/11/2013 15:46	45.7	36.5	0	17.8	-7	-6.8	114	27	16	-11.62	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL13R	11/11/2013 15:49	45.2	36.9	0	17.9	-6.6	-6.6	114	34	36	-12.06	No Change made in Valve Position; Surging
GRNVL13R	11/25/2013 14:55	53.8	38.5	0	7.7	-3.7	-3.8	111	5	9	-6.42	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL13R	11/25/2013 14:58	53.7	38.6	0	7.7	-3.8	-3.6	111	7	4	-6.51	No Change made in Valve Position
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
GRNVL18R	9/2/2013 14:30	38.3	32.2	1.1	28.4	-1.7	-1.5	91	5	6	-26.52	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL18R	9/2/2013 14:33	0.8	0.8	19.8	78.6	-1.4	-1.6	89			-26.91	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Valve Barely Open

Green Valley Landfill
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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	9/2/2013 14:36	39.8	32.9	0.8	26.5	-1.7	-1.7	91	5	3	-27.35	No Change made in Valve Position; Valve Barely Open
GRNVL18R	9/18/2013 9:28	37.2	33	1.5	28.3	-1.6	-2.4	74			-26.1	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL18R	9/18/2013 9:31	34.9	30.9	2.6	31.6	-2.4	-2.4	83	21	23	-26.34	No Change made in Valve Position
GRNVL18R	10/1/2013 11:08	46	30.2	2.9	20.9	-0.6	-0.6	91	2		-8.81	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn; Insufficient Available Vacuum
GRNVL18R	10/1/2013 11:12	47	31.5	2.5	19	-0.6	-0.6	91			-6.88	No Change made in Valve Position
GRNVL18R	10/22/2013 11:47	55.4	37.7	0.3	6.6	-1.1	-1.7	76			-18.06	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL18R	10/22/2013 11:50	53.9	37.1	0.5	8.5	-1.7	-1.7	82	4		-17.05	No Change made in Valve Position; Valve Barely Open
GRNVL18R	11/12/2013 13:26	48.1	35.8	0.8	15.3	-1.3	-1.4	68	16	16	-11.85	No Change made in Valve Position
GRNVL18R	11/25/2013 15:52	54.9	37	0.8	7.3	-0.1	-0.5	52	16	26	-6.63	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL18R	11/25/2013 15:55	52.9	36.2	0.3	10.6	-0.7	-0.8	49	18		-6.61	No Change made in Valve Position
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
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
GRNVL26R	9/2/2013 12:57	51	36.8	0.2	12	-18	-18	108	40	39	-28.32	No Change made in Valve Position
GRNVL26R	9/17/2013 10:27	47	36.3	0	16.7	-17.7	-16.6	106	38	35	-27.7	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL26R	9/17/2013 10:31	47.6	36.6	0	15.8	-16.3	-16.5	107	29	39	-28.23	No Change made in Valve Position
GRNVL26R	10/1/2013 9:09	56.6	39.2	0.1	4.1	-6.2	-6.6	106	25	22	-10.61	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	10/1/2013 9:12	57.2	39.5	0	3.3	-6.6	-6.6	106	24	25	-10.52	No Change made in Valve Position
GRNVL26R	10/21/2013 15:51	48.6	37.7	0	13.7	-19.2	-19.3	107	44	48	-33.57	No Change made in Valve Position
GRNVL26R	11/11/2013 15:12	49	37.4	0	13.6	-8.9	-8.8	105	30	31	-14.14	No Change made in Valve Position
GRNVL26R	11/25/2013 14:22	58.8	41.1	0	0.1	-4.1	-4.6	103	21	23	-7.26	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	11/25/2013 14:26	58.6	41.3	0	0.1	-4.6	-4.7	103	22	22	-7.33	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	12/17/2013 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
GRNVL32R	9/2/2013 14:41	60.6	38	0.5	0.9	-3.3	-3.3	137	25	26	-26.79	No Change made in Valve Position; HOV (140 deg. F)
GRNVL32R	9/18/2013 9:37	58.2	40.2	0.3	1.3	-5.1	-8.5	133	10	9	-26.42	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 Deg. F)
GRNVL32R	9/18/2013 9:40	59.1	39.9	0	1	-7.9	-7.9	136	22	21	-26.57	No Change made in Valve Position
GRNVL32R	10/1/2013 11:17	60.3	39.2	0	0.5	-3.8	-4.6	134	14	13	-7.86	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVL32R	10/1/2013 11:20	61.2	38.7	0	0.1	-4.7	-4.7	136	23	21	-8.65	No Change made in Valve Position; HOV (140 Deg. F)
GRNVL32R	10/22/2013 11:55	57.7	39.5	0.2	2.6	-10.7	-12	134	22	24	-16.96	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 Deg. F)
GRNVL32R	10/22/2013 11:58	58.6	39.8	0	1.6	-11	-11.1	136	24	32	-16.74	Surging; No Change made in Valve Position
GRNVL32R	11/12/2013 14:10	56.2	38.6	0.2	5	-8.7	-9.5	130	20	20	-11.71	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL32R	11/12/2013 14:13	56.1	39.1	0	4.8	-9.6	-9.5	130	21	20	-11.97	No Change made in Valve Position
GRNVL32R	11/25/2013 15:59	57.3	39.1	0.1	3.5	-5.2	-5.4	130	19	15	-6.54	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL32R	11/25/2013 16:03	57.8	39.5	0	2.7	-5.3	-5.2	130	14	13	-6.55	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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
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
GRNVL38R	9/2/2013 15:12	52.5	33.7	0.2	13.6	-0.9	-1.5	127	6	15	-17.66	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 deg. F)
GRNVL38R	9/2/2013 15:15	53.5	34.4	0	12.1	-1.7	-1.7	137	32	31	-19.96	No Change made in Valve Position
GRNVL38R	9/18/2013 9:56	39.3	33.7	0.1	26.9	-2.7	-2	133	28	27	-22.01	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL38R	9/18/2013 10:00	37.5	32.7	0.3	29.5	-1.8	-1.8	124			-21.86	No Change made in Valve Position
GRNVL38R	10/1/2013 14:53	62.4	37.5	0	0.1	-0.1	-0.8	121	25	14	-10.4	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL38R	10/1/2013 14:56	61.7	38.2	0	0.1	-1	-1	135	13	12	-10.61	No Change made in Valve Position; HOV (140 Deg. F)
GRNVL38R	10/22/2013 12:17	37.9	33.4	0.1	28.6	-2.3	-2	134	12	3	-13.03	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn; HOV (140 Deg. F)
GRNVL38R	10/22/2013 12:20	37.6	33.6	0	28.8	-2	-2	135	9	9	-13.7	Surging; No Change made in Valve Position
GRNVL38R	11/12/2013 14:37	44.1	32.9	0	23	-0.9	-0.7	111	16		-11.43	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL38R	11/12/2013 14:40	44.5	33.2	0	22.3	-0.6	-0.7	108	27	24	-11.37	No Change made in Valve Position
GRNVL38R	11/25/2013 16:17	62.9	36.6	0.3	0.2	0.1	-0.2	107		24	-6.51	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL38R	11/25/2013 16:20	63.7	30	0	6.3	-0.4	-0.4	122	4	21	-6.59	No Change made in Valve Position
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	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
GRNVL41R	9/3/2013 18:11	47	30	0	23	-7.5	-6.9	91	15	15	-32.5	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL41R	9/3/2013 18:15	47	30.3	0	22.7	-6.6	-6.6	91	14	14	-32.52	No Change made in Valve Position
GRNVL41R	9/18/2013 17:13	47.1	30.8	0.2	21.9	-6.4	-5.8	83	5		-32.63	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL41R	9/18/2013 17:16	46.4	30.4	0.3	22.9	-5.5	-5.3	83		7	-32.65	No Change made in Valve Position
GRNVL41R	10/2/2013 11:35	61.6	34.5	0	3.9	-2.7	-3.5	86	17	14	-13.09	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL41R	10/2/2013 11:39	61.6	35.6	0	2.8	-3.9	-3.9	86	15	16	-13.16	No Change made in Valve Position
GRNVL41R	10/21/2013 12:46	55	33.7	0	11.3	-7	-7.8	76	16	14	-37.97	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL41R	10/21/2013 12:49	54.8	34.2	0	11	-8.1	-8.2	76	15	13	-38.08	No Change made in Valve Position
GRNVL41R	11/12/2013 8:14	64	34	0	2	-5.2	-5.8	52	13	14	-15.95	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL41R	11/12/2013 8:19	63.5	34	0	2.5	-6.2	-5.9	53	14	10	-15.99	No Change made in Valve Position
GRNVL41R	11/26/2013 15:42	61.8	34.4	0	3.8	-3.5	-4	45	17	14	-8.18	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL41R	11/26/2013 15:44	62	35	0	3	-4	-4.1	45	15	15	-8.23	No Change made in Valve Position
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
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
GRNVL43R	9/3/2013 18:18	35.5	24.6	7.3	32.6	-32.2	-32.2	84	32	23	-32.13	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVL43R	9/3/2013 18:21	35.1	24.8	7.4	32.7	-32.7	-32	85	31	35	-32.57	No Change made in Valve Position
GRNVL43R	9/12/2013 15:14	34.4	25.1	9	31.5	-32.2	-9.1	84	25	17	-32.5	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVL43R	9/12/2013 15:20	42.6	30.3	4.4	22.7	-8.5	-8.5	83	14	15	-32.68	No Change made in Valve Position; Valve Barely Open
GRNVL43R	9/18/2013 17:19	54.6	35.3	2.3	7.8	-5.3	-9.5	75	27	24	-32.7	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL43R	9/18/2013 17:22	51.9	34	3.1	11	-9.3	-9.6	75	13		-32.72	No Change made in Valve Position; Surging
GRNVL43R	10/2/2013 11:58	60.4	38.3	0.4	0.9	-3.4	-6.8	79	23		-13.27	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL43R	10/2/2013 12:03	52.7	34.6	2.5	10.2	-7.1	-7.2	79	24	25	-13.18	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
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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	10/21/2013 12:54	28.6	20.2	9.5	41.7	-28.6	-5.9	65	50	15	-38.27	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn; Valve Barely Open
GRNVL43R	10/21/2013 12:58	36.9	26.2	6.7	30.2	-5.9	-5.9	66	14	14	-38.2	No Change made in Valve Position
GRNVL43R	10/30/2013 10:38	62.8	36.4	0.6	0.2	-17.7	-17.7	58	16	15	-18.23	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL43R	10/30/2013 10:42	62.5	37.4	0	0.1	-18.3	-18.3	59	19	18	-18.4	No Change made in Valve Position
GRNVL43R	11/12/2013 8:23	57.7	36	1.6	4.7	-15.8	-16	45	10	15	-16.1	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL43R	11/12/2013 8:26	56.9	36.2	1.9	5	-16.1	-16.1	45	13	15	-16.08	No Change made in Valve Position
GRNVL43R	11/20/2013 11:00	37.6	25.4	7.4	29.6	-12.2	-11.6	53	11	15	-12.86	Dec Flow/Vacuum; NSPS/EG CAI; Slightly Closed less than 1/4 turn
GRNVL43R	11/20/2013 11:09	46	30.5	4.5	19	-11.9	-11.9	52	13	13	-12.97	No Change made in Valve Position; Valve Barely Open
GRNVL43R	11/26/2013 15:29	45.9	30.1	4.8	19.2	-6.7	-6.5	35	18	18	-8.14	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL43R	11/26/2013 15:32	45.2	30.9	4.7	19.2	-6.3	-6.4	35	13	15	-8.02	No Change made in Valve Position
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
GRNVL44R	9/3/2013 18:24	61.2	37.5	0.4	0.9	-32.4	-32.8	87	12	10	-32.7	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	9/3/2013 18:28	60.6	39.3	0	0.1	-32.6	-32.7	85			-32.81	No Change made in Valve Position
GRNVL44R	9/18/2013 17:25	59.5	40.3	0.1	0.1	-32.6	-32.9	74	5		-32.72	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL44R	9/18/2013 17:28	59.4	40.5	0	0.1	-32.6	-32.7	75		25	-32.68	No Change made in Valve Position
GRNVL44R	10/2/2013 12:08	51.8	30.6	3.3	14.3	-13	-13	92	10	10	-13.09	No Change made in Valve Position
GRNVL44R	10/21/2013 13:03	59.5	40.1	0.2	0.2	-36.6	-36.7	76		31	-37.41	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL44R	10/21/2013 13:07	59	40.9	0	0.1	-36.7	-36.8	79		56	-37.39	No Change made in Valve Position
GRNVL44R	11/12/2013 8:30	6.9	3.7	19.8	69.6	-16	-15.9	30			-15.73	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn
GRNVL44R	11/12/2013 8:33	15.4	9	16.9	58.7	-15.9	-16	29	5		-15.95	No Change made in Valve Position
GRNVL44R	11/20/2013 10:49	7.3	5.5	18.3	68.9	-8.9	-0.3	63	79		-13.25	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVL44R	11/20/2013 10:53	37.8	26.6	6.7	28.9	-0.4	-0.3	60	17	17	-13.21	No Change made in Valve Position; Valve Barely Open
GRNVL44R	11/26/2013 11:35	30.2	26.8	7	36	0	-0.1	47		12	-8.9	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVL44R	11/26/2013 11:37	23.6	22.4	9.3	44.7	-0.1	-0.2	48	19	17	-8.86	No Change made in Valve Position; Valve Barely Open
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
GRNVL47R	9/3/2013 17:56	54.8	35.6	1.6	8	-18.4	-20.4	85	13	7	-32.77	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	9/3/2013 17:59	56.7	36.9	1.5	4.9	-21.4	-21.5	85	7	5	-32.67	No Change made in Valve Position
GRNVL47R	9/18/2013 16:52	42.8	31.9	1.7	23.6	-14.9	-12.7	78	16	16	-32.59	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL47R	9/18/2013 16:55	40.4	30.5	2.4	26.7	-12.2	-12.3	76	11	20	-32.72	No Change made in Valve Position
GRNVL47R	10/23/2013 11:07	50.8	34.4	2.9	11.9	-10.8	-10.8	46	17	20	-13.89	No Change made in Valve Position
GRNVL47R	10/30/2013 10:53	22.9	14.7	13.6	48.8	-18.2	-18.2	59	16	16	-18.04	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn; Valve Barely Open
GRNVL47R	10/30/2013 10:58	24.9	15.5	12.6	47	-14.5	-14.5	60	16	17	-18.22	No Change made in Valve Position; Valve Barely Open
GRNVL47R	11/6/2013 10:00	29.6	17.4	10.1	42.9	-0.5	-7.7	65	19	21	-15.94	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVL47R	11/6/2013 10:03	51.5	30.1	3	15.4	-7.9	-7.8	60	22	17	-15.89	No Change made in Valve Position; Valve Barely Open
GRNVL47R	11/12/2013 8:52	62	36.6	1.2	0.2	-10.7	-11.3	31	12	12	-15.8	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL47R	11/12/2013 8:55	61.4	38.5	0	0.1	-11.5	-11.6	32	15	10	-15.91	No Change made in Valve Position
GRNVL47R	11/20/2013 11:14	57.9	38.9	0.5	2.7	-7.9	-10.7	55	22		-13.14	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL47R	11/20/2013 11:17	57.8	40	0.8	1.4	-10.9	-10.5	55	6		-11.94	No Change made in Valve Position; Surging
GRNVL47R	11/26/2013 15:59	58.2	41.7	0	0.1	-7.9	-7.7	39		8	-8.03	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL47R	11/26/2013 16:02	58.8	40.8	0.2	0.2	-8.1	-7.8	38	21	17	-8	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
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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	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
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
GRNVL49R	9/3/2013 17:46	53.7	34.9	0.2	11.2	-17.9	-18.6	103	35	37	-33.72	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	9/3/2013 17:50	53.5	33.9	0	12.6	-18.8	-18.7	103	31	30	-34	No Change made in Valve Position
GRNVL49R	9/18/2013 16:44	50.2	32.9	0.9	16	-18.7	-18.8	101	29	36	-33.88	No Change made in Valve Position
GRNVL49R	10/2/2013 11:25	56.3	36.8	0.1	6.8	-7.1	-7.9	103	27	26	-13.92	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	10/2/2013 11:28	56.3	37.2	0	6.5	-8.4	-8.4	104	29	29	-13.73	No Change made in Valve Position
GRNVL49R	10/21/2013 13:28	54.3	41.3	0	4.4	-21.8	-22.3	108	45	45	-39.66	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	10/21/2013 13:32	54.5	41.9	0	3.6	-22.5	-22.5	109	50	48	-39.4	No Change made in Valve Position
GRNVL49R	11/20/2013 11:28	61	38.9	0	0.1	-10.6	-10.7	95	20	17	-11.34	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	11/20/2013 11:31	61	38.9	0	0.1	-10.6	-10.4	95	19	18	-11.08	No Change made in Valve Position
GRNVL49R	11/26/2013 15:21	60.6	39.2	0.1	0.1	-7.9	-7.9	94	33	25	-8.33	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL49R	11/26/2013 15:23	60.4	39.5	0	0.1	-7.8	-7.8	94	25	26	-8.22	No Change made in Valve Position
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
GRNVL52R	9/3/2013 9:55	63.7	27.5	0	8.8	-13.1	-10.7	131	26	13	-32.76	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL52R	9/3/2013 9:59	63.4	27.5	0	9.1	-10	-10	129	14	15	-33.13	No Change made in Valve Position
GRNVL52R	9/18/2013 16:27	67.8	29	0	3.2	-6.2	-9.8	125	28		-32.7	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL52R	9/18/2013 16:30	68.7	28.4	0	2.9	-9.7	-9.7	127	30	29	-32.53	No Change made in Valve Position
GRNVL52R	10/2/2013 11:07	68.8	30.4	0	0.8	-5.7	-5.7	129	25	40	-13.47	No Change made in Valve Position

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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
GRNVLS2R	10/21/2013 13:39	68.2	31.7	0	0.1	-13	-13	128	18	16	-38.05	No Change made in Valve Position
GRNVLS2R	11/12/2013 9:06	66.9	32.9	0	0.2	-4.3	-6.2	116	11	12	-15.92	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLS2R	11/12/2013 9:10	67.1	32.8	0	0.1	-6.9	-7	120	8	18	-15.91	No Change made in Valve Position
GRNVLS2R	11/26/2013 16:09	68.9	30.9	0	0.2	-4.3	-4.8	116	36	19	-8.24	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLS2R	11/26/2013 16:12	68.9	31	0	0.1	-4.9	-4.8	117	34	35	-8.02	No Change made in Valve Position
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS2R	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
GRNVLS4R	9/3/2013 17:32	55	30.4	0.1	14.5	-30.7	-30.7	127	20	20	-32.76	No Change made in Valve Position
GRNVLS4R	9/18/2013 15:54	51.7	30	0.3	18	-30.5	-30.5	127	8	13	-32.85	No Change made in Valve Position
GRNVLS4R	10/2/2013 10:46	63.3	32.6	0	4.1	-12.7	-12.9	126	10	14	-13.74	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLS4R	10/2/2013 10:49	63.7	32.8	0	3.5	-13.1	-13.1	126	15	14	-13.74	No Change made in Valve Position
GRNVLS4R	10/21/2013 14:03	55.9	31.6	0	12.5	-36	-36	128	24	27	-38.63	No Change made in Valve Position
GRNVLS4R	11/12/2013 9:44	66.4	32.7	0	0.9	-14.6	-14.9	118	11	11	-15.53	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLS4R	11/12/2013 9:47	66.9	32.9	0	0.2	-15	-15	119	10	5	-15.56	No Change made in Valve Position
GRNVLS4R	11/26/2013 16:38	65.8	34.1	0	0.1	-7.4	-7.6	119	39	33	-7.75	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLS4R	11/26/2013 16:40	65.5	34.4	0	0.1	-7.6	-7.5	119	12	13	-7.66	No Change made in Valve Position
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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
GRNVLS4R	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

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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	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
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
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
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
GRNVL64R	9/3/2013 11:11	61.3	38.6	0	0.1	-32.8	-32.7	87	16	20	-32.83	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL64R	9/3/2013 11:14	63.3	36.6	0	0.1	-32.8	-33.2	87	19	20	-33.09	No Change made in Valve Position
GRNVL64R	9/18/2013 15:15	59	40.9	0	0.1	-32.6	-32.4	79	3	12	-32.39	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL64R	9/18/2013 15:18	58.7	41.2	0	0.1	-32.6	-32.4	80	11	6	-32.55	No Change made in Valve Position
GRNVL64R	10/2/2013 9:44	59.3	40.6	0	0.1	-13.7	-13.8	85	19	10	-13.8	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL64R	10/2/2013 9:48	58.6	41.3	0	0.1	-13.4	-13.4	85	35	34	-13.43	No Change made in Valve Position
GRNVL64R	10/9/2013 15:16	58.7	41.2	0	0.1	-27	-26.8	87	7		-26.93	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL64R	10/9/2013 15:20	58.2	41.7	0	0.1	-27	-26.9	88	11	10	-26.82	No Change made in Valve Position
GRNVL64R	10/21/2013 14:25	58.7	41.2	0	0.1	-38.7	-39.1	82	23	24	-39.11	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL64R	10/21/2013 14:28	58.6	41.3	0	0.1	-39.1	-39.2	81	16	17	-38.94	No Change made in Valve Position
GRNVL64R	11/12/2013 10:36	59	40.9	0	0.1	-15.1	-15.1	61	30	32	-15.28	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL64R	11/12/2013 10:39	58.3	41.6	0	0.1	-15.2	-15.1	57	13	15	-15.29	No Change made in Valve Position
GRNVL64R	11/20/2013 12:39	60	39.9	0	0.1	-10.5	-10.4	79	16	19	-10.42	Slightly Opened less than 1/4 turn
GRNVL64R	11/20/2013 12:44	60	39.9	0	0.1	-10.5	-10.5	79	19	18	-10.55	No Change made in Valve Position

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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
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	9/2/2013 13:21	22.4	19.9	5.2	52.5	-0.2	-0.1	93	22	18	-27.71	No Change made in Valve Position; Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLHW1	9/2/2013 15:49	30.4	24.4	2.9	42.3	-0.1	-0.1	96	13	14	-28.19	No Change made in Valve Position; Valve Barely Open
GRNVLHW1	9/17/2013 10:57	24.1	24.4	2.4	49.1	-0.1	-0.1	90	8	21	-27.51	No Change made in Valve Position; Valve Barely Open
GRNVLHW1	10/1/2013 9:39	30.4	25.9	4.8	38.9	0	-0.1	82	10	15	-10.43	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW1	10/1/2013 9:43	34.2	28	3.5	34.3	-0.1	-0.1	83	19	16	-9.98	No Change made in Valve Position
GRNVLHW1	10/22/2013 10:24	11.2	14.7	7.8	66.3	-0.1	-0.2	95	31	28	-21.8	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW1	10/22/2013 13:20	13	15.3	7.8	63.9	-0.1	0	95	19	3	-11.73	Dec Flow/Vacuum; Fully Closed; Closed greater than 1 turn
GRNVLHW1	10/22/2013 13:22	13.2	15.6	7.5	63.7	0	0	92		0	-11.89	Fully Closed No Change; Closed for AORP
GRNVLHW1	11/11/2013 15:39	56.4	38.7	0.1	4.8	0	-0.1	69	13	23	-13.21	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW1	11/11/2013 15:42	57.7	38.9	0	3.4	-0.1	-0.1	69	24	21	-13.12	No Change made in Valve Position; Valve Barely Open
GRNVLHW1	11/25/2013 14:52	28.7	24.4	5.6	41.3	-0.1	-0.4	76	9	20	-6.63	Slightly Opened less than 1/4 turn; Inc Flow/Vacuum
GRNVLHW1	11/25/2013 16:54	20.2	21	6.4	52.4	-0.2	0	79	21		-6.81	Dec Flow/Vacuum; Fully Closed; Closed greater than 1 turn
GRNVLHW1	11/25/2013 16:57	20.3	21.2	6.8	51.7	0	0	70			-6.9	No Change made in Valve Position; Closed for AORP
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

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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	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
GRNVLHW2	9/2/2013 12:54	4.3	4.1	17.9	73.7	0	-0.1	98		10	-29.34	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW2	9/2/2013 15:41	9.8	9.6	12.1	68.5	-0.1	0	89	11		-28.76	Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLHW2	9/2/2013 15:44	10.2	9.7	11.9	68.2	0	0	96	3	2	-28.44	No Change made in Valve Position; Closed for AORP
GRNVLHW2	9/18/2013 7:49	3.1	6.3	15.5	75.1	0	-0.1	85	18	27	-26.1	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW2	9/18/2013 11:33	3.9	5.9	16	74.2	-0.2	0	88	18		-29.57	Fully Closed; Dec Flow/Vacuum; Closed greater than 1 turn
GRNVLHW2	9/18/2013 11:37	3.8	6	15.8	74.4	0	0	83			-29.14	No Change made in Valve Position; Closed for AORP
GRNVLHW2	10/1/2013 8:59	53.7	38.4	0.5	7.4	0	-0.1	85	10	29	-11.43	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW2	10/1/2013 9:06	28.8	25.8	5.7	39.7	-0.1	-0.2	80	24	38	-10.86	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW2	10/1/2013 14:27	7.3	7.7	14.4	70.6	-0.2	0	84	27	9	-10.99	Dec Flow/Vacuum; Fully Closed; Mod. closed less than 1/2 turn
GRNVLHW2	10/1/2013 14:30	7.3	8.3	14.3	70.1	0	0	89	11	8	-10.98	Fully Closed No Change; Closed for AORP
GRNVLHW2	10/22/2013 10:19	12.3	10.9	13	63.8	0	-0.1	66		19	-22.66	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW2	10/22/2013 13:11	3.3	5	16.1	75.6	-0.1	0	81	18		-12.45	Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLHW2	10/22/2013 13:14	3.4	5.1	16	75.5	0	0	81			-12.51	Fully Closed No Change; Closed for AORP
GRNVLHW2	11/11/2013 15:06	54.2	39	0.1	6.7	0	-0.1	71	15	22	-14.44	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW2	11/11/2013 15:09	53.6	38.9	0	7.5	-0.1	-0.1	69	24	23	-14.3	No Change made in Valve Position; Valve Barely Open
GRNVLHW2	11/25/2013 14:19	27.4	24.3	5.9	42.4	-0.1	-0.3	71	9	12	-7.53	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW2	11/25/2013 16:46	17.9	17.6	9.6	54.9	-0.2	0	73	5		-7.36	Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLHW2	11/25/2013 16:49	17.1	17.7	8.8	56.4	0	-0.1	67			-7.29	No Change made in Valve Position; Closed for AORP
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

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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
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	9/3/2013 10:27	59.7	40.2	0	0.1	0.6	0.6	87	15	15	0.61	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW3	9/3/2013 10:30	60.6	39.3	0	0.1	0.6	0.6	87	15	15	0.68	No Change made in Valve Position
GRNVLHW3	9/18/2013 13:34	57.8	42.1	0	0.1	0.3	0.3	69	8	8	0.37	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW3	9/18/2013 13:38	57.4	42.5	0	0.1	0.3	0.3	68	8	9	0.36	No Change made in Valve Position
GRNVLHW3	10/2/2013 8:39	57.9	42	0	0.1	0.4	0.4	69	17	16	0.45	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW3	10/2/2013 8:42	57.5	42.4	0	0.1	0.4	0.4	69	16	16	0.46	No Change made in Valve Position
GRNVLHW3	10/23/2013 11:16	23.3	16.3	10	50.4	-4.9	-1.7	78	36	18	-14.29	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn
GRNVLHW3	10/23/2013 11:19	20.7	16.1	11.1	52.1	-1	-1	73	15	16	-14.82	No Change made in Valve Position
GRNVLHW3	10/30/2013 11:19	51.8	30.7	2.1	15.4	-0.5	-0.5	78	18	16	-17.92	No Change made in Valve Position
GRNVLHW3	11/12/2013 10:47	54.7	33.6	1.5	10.2	-0.2	-0.3	67	7	10	-15.24	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW3	11/12/2013 10:50	54.2	33.6	1	11.2	-0.4	-0.5	68	28	27	-15.27	No Change made in Valve Position
GRNVLHW3	11/26/2013 16:47	63.3	35.9	0.6	0.2	0.1	-0.2	59	19	16	-7.5	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW3	11/26/2013 16:49	62.1	37.8	0	0.1	-0.6	-0.6	62	31	29	-7.46	No Change made in Valve Position
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
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

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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	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
GRNVLHW4	9/3/2013 10:33	60.1	39.8	0	0.1	0.6	0.6	89	15	15	0.65	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW4	9/3/2013 10:36	59.3	40.6	0	0.1	0.6	0.7	89	16	15	0.75	No Change made in Valve Position
GRNVLHW4	9/18/2013 13:41	57.7	42.2	0	0.1	0.4	0.4	79			0.39	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW4	9/18/2013 13:44	57.5	42.4	0	0.1	0.4	0.4	79			0.38	No Change made in Valve Position
GRNVLHW4	10/2/2013 8:45	57.5	42.4	0	0.1	0.4	0.4	81	20	19	0.42	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW4	10/2/2013 8:49	56.9	43	0	0.1	0.4	0.4	81			0.36	No Change made in Valve Position
GRNVLHW4	10/23/2013 11:24	18.4	14.4	12	55.2	-5.2	-1.8	78	41	20	-15.73	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVLHW4	10/23/2013 11:27	20.9	17.9	10.5	50.7	-1.3	-1.3	76	18	21	-15.08	No Change made in Valve Position
GRNVLHW4	10/30/2013 11:23	34.4	23.7	7	34.9	-1.3	-0.5	80	19	16	-18.27	NSPS/EG CAI; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLHW4	10/30/2013 11:26	38.3	27.2	5.8	28.7	-0.2	-0.1	80	17	17	-18.48	No Change made in Valve Position
GRNVLHW4	11/6/2013 10:11	61.4	38.4	0	0.2	0	-0.1	74	17	18	-13.35	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW4	11/6/2013 10:14	61.4	38.5	0	0.1	-0.3	-0.3	75	19	19	-10.76	Surging; No Change made in Valve Position
GRNVLHW4	11/12/2013 10:54	42.9	31.4	4.2	21.5	-0.5	-0.3	67	7		-15.96	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLHW4	11/12/2013 10:57	44.6	32.7	3.4	19.3	-0.1	-0.2	66	2	0	-15.91	No Change made in Valve Position; Valve Barely Open
GRNVLHW4	11/26/2013 16:53	60.8	38.3	0.8	0.1	0.5	-0.3	59	11	41	-7.74	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW4	11/26/2013 16:56	59.1	40.8	0	0.1	-1	-1	63	18	15	-7.66	No Change made in Valve Position
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

Green Valley Landfill
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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	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
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
GRNVLHW5	9/3/2013 10:40	59.3	40.6	0	0.1	0.4	0.4	85	17	17	0.43	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW5	9/3/2013 10:43	59.1	40.8	0	0.1	0.3	0.4	85	17	18	0.36	No Change made in Valve Position
GRNVLHW5	9/18/2013 13:48	57.5	42.1	0	0.4	0.2	0.2	68	10	9	0.35	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW5	9/18/2013 13:51	57.4	42.5	0	0.1	0.2	0.2	68	8	9	0.37	No Change made in Valve Position
GRNVLHW5	10/2/2013 8:54	57.7	42.1	0	0.2	0.2	0.2	72			0.34	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW5	10/2/2013 8:58	56.9	43	0	0.1	0.2	0.2	72			0.36	No Change made in Valve Position
GRNVLHW5	10/23/2013 11:32	60.5	39.1	0.2	0.2	-0.1	-0.3	66	22	23	-14.91	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW5	10/23/2013 11:35	60.2	39.7	0	0.1	-0.4	-0.4	67	25	26	-15.03	No Change made in Valve Position
GRNVLHW5	10/30/2013 11:30	58.1	34.3	1.3	6.3	-0.5	-1.1	71	26	34	-17.5	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW5	10/30/2013 11:33	57.8	34.5	1.5	6.2	-1.2	-1.2	72	34	32	-17.78	No Change made in Valve Position
GRNVLHW5	11/12/2013 11:03	54.9	33.3	2.5	9.3	-0.9	-1.2	66	32	35	-15.09	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW5	11/12/2013 11:05	53.7	33.3	2.1	10.9	-1.3	-1.3	66	32	37	-15.37	No Change made in Valve Position
GRNVLHW5	11/26/2013 17:01	61.9	38	0	0.1	-0.3	-0.4	60	25	25	-7.34	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW5	11/26/2013 17:03	61.3	38.6	0	0.1	-0.5	-0.5	60	81	25	-7.44	No Change made in Valve Position

Green Valley Landfill
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09/01/2013 through 09/30/2014

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	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
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
GRNVLHW6	9/3/2013 10:48	59.2	40.7	0	0.1	0.2	0.3	87	16	18	0.65	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW6	9/3/2013 10:51	59	40.9	0	0.1	0.2	0.2	88	17	17	0.65	No Change made in Valve Position
GRNVLHW6	9/18/2013 13:56	57.6	42.3	0	0.1	0.1	0.1	68	6	6	0.32	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW6	9/18/2013 13:59	57.4	42.5	0	0.1	0.1	0.1	67	4	6	0.37	No Change made in Valve Position
GRNVLHW6	10/2/2013 9:01	57.5	42.4	0	0.1	0.1	0.1	72		1	0.34	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW6	10/2/2013 9:05	56.9	43	0	0.1	0.1	0.1	71			0.35	No Change made in Valve Position
GRNVLHW6	10/23/2013 11:40	35.3	27.6	4	33.1	-0.6	-0.3	71	14	14	-15.18	Dec Flow/Vacuum; Mod. closed less than 1/2 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	10/23/2013 11:43	38.3	30	3	28.7	-0.2	-0.2	69	16	16	-15.2	No Change made in Valve Position
GRNVLHW6	10/30/2013 11:37	51.8	32.3	1.4	14.5	-0.1	-0.1	76	17	17	-18.05	No Change made in Valve Position
GRNVLHW6	11/12/2013 11:11	57.8	35.8	0.7	5.7	0	-0.1	61	15	28	-15.2	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW6	11/12/2013 11:14	56.1	35.6	0.3	8	-0.2	-0.1	61	16	19	-15.1	No Change made in Valve Position; Valve Barely Open
GRNVLHW6	11/26/2013 17:07	63.7	35.6	0.6	0.1	0.5	-0.1	53	15	42	-7.1	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW6	11/26/2013 17:09	62.3	37.6	0	0.1	-0.8	-0.8	58	38	38	-7.21	No Change made in Valve Position
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
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	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
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
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
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
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
GRNVLY01	9/3/2013 9:15	50.3	35.3	0	14.4	-9.1	-9.1	111	15	14	-32.87	No Change made in Valve Position
GRNVLY01	9/18/2013 10:34	50.5	37	0.4	12.1	-8.5	-8.5	111	36	37	-30.2	No Change made in Valve Position
GRNVLY01	10/1/2013 15:42	59.6	40.3	0	0.1	-4	-5	110	17	14	-12.38	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	10/1/2013 15:45	59.3	40.6	0	0.1	-5.1	-5.1	111	12	19	-12.39	No Change made in Valve Position
GRNVLY01	10/22/2013 12:54	45.7	35.9	0	18.4	-7.9	-7.5	109	25		-16.9	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY01	10/22/2013 12:58	44.8	35.7	0	19.5	-7	-7	109			-14.37	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	11/12/2013 15:02	55.7	37.2	0.3	6.8	-4.6	-4.7	102		6	-12.91	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	11/12/2013 15:05	56	38.1	0	5.9	-5	-5.1	103	3	5	-12.98	No Change made in Valve Position
GRNVLY01	11/25/2013 16:32	60.4	38.9	0.6	0.1	-3.4	-3.7	104	5	2	-8.01	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	11/25/2013 16:35	62.2	36.1	0	1.7	-3.9	-4	106	8	5	-7.95	No Change made in Valve Position
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
GRNVLY02	9/3/2013 9:10	49.3	35.5	0	15.2	-10.7	-10.7	119	26	28	-29.92	No Change made in Valve Position
GRNVLY02	9/18/2013 10:29	49.3	36.2	0.5	14	-9.4	-9.4	119	16	6	-30.21	No Change made in Valve Position
GRNVLY02	10/1/2013 15:30	58.6	38.1	0.1	3.2	-4.4	-5.2	120	23	24	-12.34	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY02	10/1/2013 15:33	59.1	39.2	0	1.7	-5.4	-5.4	121	20	24	-12.33	No Change made in Valve Position
GRNVLY02	10/22/2013 12:49	48.7	35.9	0.4	15	-8	-7.9	120			-17.2	No Change made in Valve Position
GRNVLY02	11/12/2013 14:57	51	35.5	0.6	12.9	-5.9	-6	117	179	13	-12.68	No Change made in Valve Position
GRNVLY02	11/25/2013 16:25	57.1	38.2	0.2	4.5	-3.8	-4	114	10	13	-7.9	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY02	11/25/2013 16:28	56.9	38	0	5.1	-4	-4	115	10	12	-7.87	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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
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
GRNVLY03	9/2/2013 12:40	60.8	38.9	0.2	0.1	-16.2	-18.5	97			-29.89	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	9/2/2013 12:43	60.7	39.2	0	0.1	-18.6	-18.6	102			-30.64	No Change made in Valve Position
GRNVLY03	9/17/2013 10:05	59.5	40.4	0	0.1	-18.2	-23.9	68	4	2	-29.78	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY03	9/17/2013 10:08	59.2	40.7	0	0.1	-23.7	-23.6	75	1	4	-30.29	No Change made in Valve Position
GRNVLY03	10/1/2013 8:40	60	39.5	0.2	0.3	-10.2	-10.8	88	8		-12.76	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY03	10/1/2013 8:44	60	39.7	0.1	0.2	-10.8	-10.7	91	4	9	-12.56	No Change made in Valve Position
GRNVLY03	10/21/2013 15:35	57.8	39.8	0	2.4	-28.2	-28.3	88	8	6	-35.24	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	10/21/2013 15:38	57.9	40.1	0	2	-28.4	-28.6	94	3		-34.76	No Change made in Valve Position
GRNVLY03	11/11/2013 14:49	56.9	39.6	0	3.5	-13.2	-13.7	76			-15.53	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	11/11/2013 14:52	57	40.7	0	2.3	-13.7	-13.6	81			-15.52	No Change made in Valve Position
GRNVLY03	11/25/2013 14:04	59.2	40.7	0	0.1	-7.1	-7.3	58			-7.73	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY03	11/25/2013 14:07	59.1	40.8	0	0.1	-7.3	-7.2	59		2	-7.87	No Change made in Valve Position
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
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
GRNVLY04	9/2/2013 15:29	16.5	14	9.5	60	-9.4	-6.9	129	37	10	-23.31	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	9/2/2013 15:33	7.3	7.1	14.6	71	-6.2	-6.1	118	3	4	-26.36	Surging; No Change made in Valve Position; Valve Barely Open
GRNVLY04	9/12/2013 14:19	7.4	7.9	14.5	70.2	-4.7	-5.4	102	10	15	-28.28	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY04	9/12/2013 14:22	11.6	11.5	11.8	65.1	-5.6	-5.7	120	15	26	-27.92	No Change made in Valve Position; Valve Barely Open
GRNVLY04	9/18/2013 10:16	7	8.8	14.2	70	-6.5	-5.8	124	12		-28.74	Dec Flow/Vacuum; NSPS/EG CAI; Fully Closed; Mod. closed less than 1/2 turn
GRNVLY04	9/18/2013 17:47	0	0.1	20.8	79.1	-5.1	-5.3	69			-28.78	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY04	9/18/2013 17:49	3.2	4.6	17.1	75.1	-5.4	-5.4	89			-27.73	No Change made in Valve Position; Valve Barely Open
GRNVLY04	9/26/2013 8:44	0	0.1	21	78.9	-2.6	-2.8	58	1	2	-12.9	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; User Defined Comments
GRNVLY04	9/26/2013 8:48	3.9	4.8	17.3	74	-2.9	-2.9	67	5	5	-12.89	Dec Flow/Vacuum; Fully Closed; Mod. closed less than 1/2 turn
GRNVLY04	9/26/2013 11:05	0.1	0	20.4	79.5	-3	-3.5	83	9	6	-12.79	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn; Valve Barely Open
GRNVLY04	9/26/2013 11:08	12.2	11.8	11.4	64.6	-3.7	-3.7	115	5	14	-12.72	No Change made in Valve Position
GRNVLY04	10/1/2013 8:29	10.1	10.6	12.5	66.8	-3.8	-5.1	124	5	30	-12.23	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY04	10/1/2013 15:15	21.6	18.4	7.6	52.4	-5.3	-3.6	129	32	11	-13.45	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVLY04	10/1/2013 15:18	9.6	10	12.8	67.6	-3.3	-3.3	123	11	8	-12.8	No Change made in Valve Position; Valve Barely Open
GRNVLY04	10/15/2013 11:27	7.4	7.8	13.9	70.9	-4.2	-4	110	13	11	-23.93	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn; Valve Barely Open
GRNVLY04	10/15/2013 11:35	4.4	4.7	16.3	74.6	-4	-4	102	13	13	-25.56	Surging; No Change made in Valve Position
GRNVLY04	10/22/2013 12:37	2.7	3.3	17.4	76.6	-3.2	-3.9	74		6	-19.18	Inc Flow/Vacuum; NSPS/EG CAI; Surging; Mod. Opened less than 1/2 turn
GRNVLY04	10/22/2013 12:40	9.3	9.7	12.8	68.2	-4.1	-4.1	111	14	14	-18.88	No Change made in Valve Position; Valve Barely Open
GRNVLY04	10/23/2013 12:22	8.3	9.6	13.4	68.7	-4	-3.5	119	17	12	-14.55	Dec Flow/Vacuum; Mod. closed less than 1/2 turn; Valve Barely Open
GRNVLY04	10/23/2013 12:25	0.6	1.6	19.8	78	-3.3	-3.3	94	12	13	-14.8	No Change made in Valve Position
GRNVLY04	10/30/2013 9:56	0	0.5	20.6	78.9	-2.9	-5.6	58	12	43	-14.99	NSPS/EG CAI; Inc Flow/Vacuum; Surging; Opened greater than 1 turn
GRNVLY04	10/30/2013 10:01	20.9	18.4	7.9	52.8	-6	-7.7	124	47	59	-13.55	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY04	10/30/2013 10:05	24.9	21	6.5	47.6	-7.9	-4.1	127	57	14	-15.88	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn; Valve Barely Open
GRNVLY04	10/30/2013 10:08	2.8	2.7	19.2	75.3	-3.3	-3.3	103	11	12	-15.06	No Change made in Valve Position; Valve Barely Open
GRNVLY04	10/30/2013 17:22	0	0.7	19.5	79.8	-3	-5.2	70		31	-13.37	Inc Flow/Vacuum; NSPS/EG CAI; Opened greater than 1 turn
GRNVLY04	10/30/2013 17:25	19.8	18.3	7.3	54.6	-5.5	-5.5	124	33	33	-13.04	No Change made in Valve Position
GRNVLY04	10/31/2013 10:04	17.1	16.5	9.2	57.2	-9	-5.3	130	49	4	-26.76	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVLY04	10/31/2013 10:09	5.3	6.2	16	72.5	-4.8	-4.7	113	5	8	-28.2	Surging; No Change made in Valve Position
GRNVLY04	11/6/2013 8:50	5.1	5.5	15.2	74.2	-2.6	-4.3	74	12	31	-12.43	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY04	11/6/2013 8:53	16.6	15.5	8.6	59.3	-4.6	-4.5	121	30	30	-12.41	No Change made in Valve Position
GRNVLY04	11/6/2013 9:37	14.9	14.3	9.3	61.5	-4.8	-3.4	127	31	15	-14.37	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn; Valve Barely Open
GRNVLY04	11/6/2013 9:40	1.6	2.2	18.6	77.6	-3.1	-3	108	15	14	-14.12	No Change made in Valve Position; Valve Barely Open

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
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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	11/12/2013 14:51	0	0.3	20.7	79	-2.5	-4.2	34		21	-11.65	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY04	11/12/2013 15:12	14	14.5	10.2	61.3	-4.7	-3.7	122	22		-13.25	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY04	11/12/2013 15:15	2.6	3.1	18.3	76	-3.1	-3	95			-12.87	No Change made in Valve Position; Valve Barely Open
GRNVLY04	11/20/2013 13:35	0	0.1	20.9	79	-1.8	-2.6	68	14	21	-8.68	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY04	11/20/2013 13:37	18.7	16.9	7.8	56.6	-2.8	-2.8	109	21	22	-8.74	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY04	11/26/2013 9:55	13.6	17.9	8.5	60	-2.1	-1.5	123	26	13	-7.94	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY04	11/26/2013 9:59	0.8	3.2	18.7	77.3	-1.1	-1	93	9	12	-8.08	No Change made in Valve Position; Valve Barely Open
GRNVLY04	11/26/2013 10:14	0.4	0.9	20.8	77.9	-1	-2.8	79	11	34	-7.06	Inc Flow/Vacuum; Opened greater than 1 turn
GRNVLY04	11/26/2013 14:59	28.4	23.4	4.9	43.3	-3.2	-3.2	128	32	32	-6.72	No Change made in Valve Position
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
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

Green Valley Landfill
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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
GRNVLY05	9/3/2013 9:04	4.4	3.9	19.4	72.3	-29	-29.1	75	16		-29.61	NSPS/EG CAI; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY05	9/3/2013 9:06	9.9	8.1	16.4	65.6	-28.3	-28.9	75			-30.57	No Change made in Valve Position
GRNVLY05	9/18/2013 10:23	8.6	7.1	16.8	67.5	-29	-26.8	65	33		-29.84	Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY05	9/18/2013 10:26	0	0.1	20.9	79	-26.7	-27.2	66	36		-30.12	Fully Closed No Change; User Defined Comments
GRNVLY05	10/1/2013 15:22	3.8	2.7	18.4	75.1	-13.2	-13.2	89	8		-13.24	No Change made in Valve Position; Fully Closed No Change
GRNVLY05	10/1/2013 15:25	1.8	1.5	19	77.7	-13.1	-13.2	91		42	-13.1	Fully Closed No Change
GRNVLY05	10/22/2013 12:43	10.9	7.5	15.7	65.9	-18.9	-19	66			-18.86	No Change made in Valve Position; Fully Closed No Change; User Defined Comments
GRNVLY05	10/22/2013 12:46	8.2	6.7	16.5	68.6	-17.9	-18.1	66	22	33	-17.83	Fully Closed No Change
GRNVLY12	9/2/2013 13:11	48.9	34.4	0.1	16.6	-21.1	-21.1	113	13	12	-26.94	No Change made in Valve Position
GRNVLY12	9/17/2013 10:41	47.4	35.5	0	17.1	-21	-20.4	108	14	28	-28.33	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY12	9/17/2013 10:44	48	35.8	0	16.2	-20.2	-20.1	108	29	28	-27.71	Surging; No Change made in Valve Position
GRNVLY12	10/1/2013 9:23	53.9	36.9	0.2	9	-8.4	-9.1	104			-10.21	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY12	10/1/2013 9:27	54	37	0.1	8.9	-9.2	-9.2	105			-10.23	No Change made in Valve Position
GRNVLY12	10/21/2013 16:04	45.8	35.8	0	18.4	-25.9	-24.6	112	23	20	-33.2	Surging; Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY12	10/21/2013 16:07	45.9	36.5	0	17.6	-24.6	-24.5	112	24	23	-33.24	No Change made in Valve Position
GRNVLY12	11/11/2013 15:25	45.7	36	0.1	18.2	-11.1	-10.5	102	19	13	-13.73	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY12	11/11/2013 15:28	46	36.7	0	17.3	-10.5	-10.6	102	16	14	-13.87	No Change made in Valve Position
GRNVLY12	11/25/2013 14:36	55.8	38.7	0	5.5	-5.1	-5.7	91	8	13	-6.7	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY12	11/25/2013 14:40	55.6	38.7	0	5.7	-5.7	-5.7	91	7	6	-6.75	No Change made in Valve Position
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
GRNVLY16	9/3/2013 8:41	48.7	37.4	0	13.9	-19.7	-19.9	106	18	16	-19.23	No Change made in Valve Position
GRNVLY16	9/18/2013 11:07	47.3	36.3	0.5	15.9	-21.1	-21	106	18		-21.11	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY16	9/18/2013 11:10	47.4	36.4	0.1	16.1	-20.7	-21.4	106	11	18	-20.83	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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
GRNVLY16	10/1/2013 16:29	56.6	38.7	0	4.7	-9.6	-9.6	106	19	19	-9.56	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY16	10/1/2013 16:32	56.6	39	0	4.4	-9.5	-9.5	106	21	25	-9.46	No Change made in Valve Position
GRNVLY16	10/23/2013 13:10	53.7	38.8	0	7.5	-12.4	-12.7	98	30	10	-12.83	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY16	10/23/2013 13:13	53.6	39.2	0	7.2	-12.7	-12.6	98	13	14	-12.77	No Change made in Valve Position
GRNVLY16	11/12/2013 15:53	53.3	37.2	0	9.5	-11.5	-11.2	97	10	7	-11.48	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY16	11/12/2013 15:57	53.4	37.6	0	9	-11.5	-11.4	98	106	10	-11.5	No Change made in Valve Position
GRNVLY16	11/26/2013 11:02	48.3	38.5	0.2	13	-6.7	-6.5	89	14	14	-6.55	No Change made in Valve Position
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
GRNVLY19	9/2/2013 13:44	43.9	32.1	0.6	23.4	-11.7	-8.8	102	29	21	-19.41	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY19	9/2/2013 13:47	43.5	31.8	0.4	24.3	-8.6	-8.5	102	24	23	-18.6	No Change made in Valve Position
GRNVLY19	9/18/2013 8:22	44.3	33.9	0.7	21.1	-7.3	-5.3	99	18		-18.4	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY19	9/18/2013 8:25	44.1	33.9	0.5	21.5	-5	-5	98	13	8	-19.22	No Change made in Valve Position
GRNVLY19	10/1/2013 10:17	59.5	37.4	0.2	2.9	-2.6	-3.1	100	16	14	-9.49	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY19	10/1/2013 10:20	61.4	37.4	0	1.2	-3.2	-3.2	100	15	14	-9.44	No Change made in Valve Position
GRNVLY19	10/22/2013 10:54	48.6	36.2	0.6	14.6	-4.5	-4.5	98	21	23	-14.38	Surging; No Change made in Valve Position
GRNVLY19	11/11/2013 16:05	47.5	36.2	0	16.3	-3.7	-3.6	98	24	18	-11.61	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY19	11/11/2013 16:08	47.4	36.4	0	16.2	-3.5	-3.4	97	20	19	-11.75	No Change made in Valve Position
GRNVLY19	11/25/2013 15:17	61.1	38.8	0	0.1	-1.8	-2.1	92	6	9	-6.31	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY19	11/25/2013 15:21	60.6	39.3	0	0.1	-2.4	-2.3	94	5	9	-6.38	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	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
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
GRNVLY20	9/2/2013 14:00	49.3	35	0	15.7	-2.7	-2.7	112	26	27	-19.15	No Change made in Valve Position
GRNVLY20	9/18/2013 8:39	49.5	37.5	0.1	12.9	-2.4	-2.5	110	28	34	-18.23	No Change made in Valve Position
GRNVLY20	10/1/2013 10:33	57.4	38.5	0	4.1	-1	-1.1	110	27	29	-9.21	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY20	10/1/2013 10:36	57.7	38.7	0	3.6	-1.1	-1.1	111	20	22	-9.32	No Change made in Valve Position
GRNVLY20	10/22/2013 11:08	54	38.3	0.2	7.5	-2.2	-2.4	110	35	34	-13.52	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY20	10/22/2013 11:11	54.1	39	0	6.9	-2.4	-2.4	111	37	33	-14.05	No Change made in Valve Position
GRNVLY20	11/11/2013 16:11	48	36.1	0	15.9	-1.8	-1.8	111	34	34	-11.51	No Change made in Valve Position
GRNVLY20	11/25/2013 15:25	57.3	38.6	0	4.1	-0.6	-0.6	109	21	21	-6.42	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY20	11/25/2013 15:29	56.6	36.4	0	7	-0.6	-0.7	109	25	26	-6.47	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	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
GRNVLY21	9/2/2013 14:06	46.6	33.6	0.2	19.6	-16.3	-15.7	104	39	37	-19.46	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY21	9/2/2013 14:09	47.1	33.6	0	19.3	-15.6	-15.4	105	37	38	-19.74	No Change made in Valve Position
GRNVLY21	9/18/2013 8:45	45	34.6	0.7	19.7	-14.6	-12.9	103	35	29	-19.37	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY21	9/18/2013 8:49	45.2	34.8	0.2	19.8	-12.5	-12.7	103	27	31	-18.8	No Change made in Valve Position
GRNVLY21	10/1/2013 10:42	55.6	36.5	0.1	7.8	-6.4	-6.6	103	18	20	-9.34	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY21	10/1/2013 10:45	57.1	36.4	0	6.5	-6.6	-6.6	103	16	22	-9.27	No Change made in Valve Position
GRNVLY21	10/22/2013 11:19	49.2	36.8	0.1	13.9	-9.9	-10.3	103	35		-14.9	No Change made in Valve Position
GRNVLY21	11/12/2013 13:32	46.2	33.9	0.4	19.5	-8.6	-8.3	100	26	26	-11.55	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY21	11/12/2013 13:35	44.9	34.9	0.1	20.1	-8.2	-8.1	100	26	25	-11.24	No Change made in Valve Position
GRNVLY21	11/25/2013 15:33	55.8	37.6	0	6.6	-4.2	-4.4	100	17	16	-6.48	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY21	11/25/2013 15:35	56	37.4	0	6.6	-4.5	-4.4	100	17	12	-6.61	No Change made in Valve Position
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
GRNVLY22	9/3/2013 8:26	46.2	35.4	0	18.4	-14.7	-13.6	85	24	17	-19.96	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY22	9/3/2013 8:28	46.8	35.7	0	17.5	-13.1	-13.1	84	16	16	-20.11	No Change made in Valve Position
GRNVLY22	9/18/2013 10:56	50.9	36.3	0.3	12.5	-9.3	-9.3	84	12	18	-21.08	No Change made in Valve Position
GRNVLY22	10/1/2013 16:11	60.4	38.2	0	1.4	-4.3	-5.1	88	22	21	-9.83	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	10/1/2013 16:15	61	38.9	0	0.1	-5.5	-5.5	88	26	23	-9.73	No Change made in Valve Position
GRNVLY22	10/23/2013 12:57	53.3	38.1	0	8.6	-8.8	-9.1	82	29	27	-12.92	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY22	10/23/2013 13:00	54.1	38.9	0	7	-9.2	-9.2	82	24	23	-12.69	No Change made in Valve Position
GRNVLY22	11/12/2013 15:41	50.9	36.2	0.2	12.7	-8.8	-8.7	81	16	17	-11.63	No Change made in Valve Position
GRNVLY22	11/26/2013 10:44	48.1	37.4	0	14.5	-4.4	-4.4	79	18	16	-6.6	No Change made in Valve Position
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
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
GRNVLY23	9/3/2013 8:33	47.4	36.4	0	16.2	-7.8	-7.4	89	25	22	-19.43	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY23	9/3/2013 8:36	48	37.1	0	14.9	-7.3	-7.3	90	22	20	-20.03	No Change made in Valve Position
GRNVLY23	9/18/2013 11:01	48.7	36.6	0.1	14.6	-6.2	-6.2	89	26	24	-20.63	No Change made in Valve Position
GRNVLY23	10/1/2013 16:21	57.9	38.5	0	3.6	-2.5	-2.8	91	24	31	-9.66	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY23	10/1/2013 16:24	57.8	37.5	0.4	4.3	-2.8	-2.8	91	23	26	-9.32	No Change made in Valve Position
GRNVLY23	10/23/2013 13:04	51.4	38.1	0	10.5	-4.6	-4.7	86	26	28	-12.68	No Change made in Valve Position
GRNVLY23	11/12/2013 15:46	50	36.3	0.1	13.6	-4.1	-4.2	85	16	19	-11.64	No Change made in Valve Position
GRNVLY23	11/26/2013 10:52	47	37.2	0.1	15.7	-1.7	-1.3	81	15	8	-6.96	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY23	11/26/2013 10:55	46.7	37.2	0	16.1	-1.4	-1.4	81	18	17	-6.93	No Change made in Valve Position
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

Green Valley Landfill
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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	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
GRNVLY24	9/2/2013 12:46	48.7	34.2	0.3	16.8	-6.8	-6.8	107	30	27	-30.44	No Change made in Valve Position
GRNVLY24	9/17/2013 10:13	42.9	34.5	0	22.6	-7.1	-6.5	102	23	17	-29.96	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY24	9/17/2013 10:17	42.5	34.4	0	23.1	-6.4	-6.3	101	17	18	-30.47	No Change made in Valve Position
GRNVLY24	10/1/2013 8:48	58.4	37.8	0	3.8	-2.5	-2.8	103	19	20	-12.38	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY24	10/1/2013 8:51	59	38.3	0	2.7	-2.9	-2.9	103	22	20	-12.41	No Change made in Valve Position
GRNVLY24	10/21/2013 15:43	41.5	33.7	0.1	24.7	-7.6	-7.4	105	28	29	-35.18	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY24	10/21/2013 15:46	41.4	33.8	0	24.8	-7.4	-7.4	105	27	33	-35.64	No Change made in Valve Position
GRNVLY24	11/11/2013 14:56	40.4	34	0.1	25.5	-3.2	-2.9	103	22	17	-15.63	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY24	11/11/2013 14:59	40.4	33.9	0	25.7	-2.9	-2.8	102	20	18	-15.81	No Change made in Valve Position
GRNVLY24	11/25/2013 14:11	59.9	38.5	0	1.6	-0.7	-0.9	94	36	13	-7.89	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY24	11/25/2013 14:14	59.6	38.8	0	1.6	-1	-0.9	95	11	12	-7.94	No Change made in Valve Position
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

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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	9/2/2013 12:33	50.1	36.7	0	13.2	-11.1	-11.1	113	12	10	-29.64	No Change made in Valve Position
GRNVLY25	9/17/2013 9:55	47.4	36.3	0	16.3	-11.4	-10.9	109	8		-30.6	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY25	9/17/2013 10:00	47.9	36.6	0	15.5	-10.6	-10.7	108	7		-29.82	No Change made in Valve Position
GRNVLY25	10/1/2013 8:35	50	37.4	0	12.6	-5.6	-5.6	108	11		-12.56	No Change made in Valve Position
GRNVLY25	10/21/2013 15:27	45.8	35.8	0	18.4	-11.7	-11	110	15		-34.24	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY25	10/21/2013 15:30	46	36.2	0	17.8	-10.8	-10.7	109	14	17	-34.85	No Change made in Valve Position
GRNVLY25	11/11/2013 14:41	44.7	35.1	0.2	20	-5.9	-5.2	104	15	12	-15.37	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY25	11/11/2013 14:44	43.5	35.4	0	21.1	-5	-5	102	15	14	-15.33	No Change made in Valve Position
GRNVLY25	11/25/2013 13:55	53.5	37.6	0	8.9	-2.8	-2.9	88	10	13	-7.78	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	11/25/2013 13:58	53.2	37.3	0	9.5	-3	-3.1	89	18	19	-7.96	No Change made in Valve Position
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
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
GRNVLY28	9/2/2013 13:04	53.3	36.6	0.2	9.9	-14	-14.9	114	24	27	-27.49	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	9/2/2013 13:07	51.9	36	0	12.1	-15.3	-15.3	114	26	26	-27.73	No Change made in Valve Position
GRNVLY28	9/17/2013 10:35	50.3	37	0	12.7	-15.7	-15.8	111	26	26	-28.02	No Change made in Valve Position
GRNVLY28	10/1/2013 9:17	51.7	38	0	10.3	-6.8	-6.8	112	16	8	-10.2	No Change made in Valve Position
GRNVLY28	10/21/2013 15:56	45.8	36.2	0	18	-17.5	-17	111	28	31	-33.16	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY28	10/21/2013 16:00	46	36.8	0	17.2	-16.5	-16.3	111	29	32	-33.26	No Change made in Valve Position
GRNVLY28	11/11/2013 15:17	44.4	36.4	0.1	19.1	-7.4	-6.8	111	29	37	-13.87	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY28	11/11/2013 15:20	44.9	37.4	0.1	17.6	-6.3	-6.4	110	35	30	-13.94	No Change made in Valve Position
GRNVLY28	11/25/2013 14:30	53.3	39.3	0	7.4	-2.3	-2.5	104	10	26	-6.87	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	11/25/2013 14:33	53.4	39.4	0	7.2	-2.5	-2.4	104	27	20	-6.9	No Change made in Valve Position
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

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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	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
GRNVLY29	9/2/2013 12:22	49	35.6	0.8	14.6	-5.2	-5.2	123	19	19	-27.51	No Change made in Valve Position
GRNVLY29	9/17/2013 9:46	42.8	33.5	0.9	22.8	-5.4	-4.1	119	18	5	-27.35	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY29	9/17/2013 9:49	43	33.9	0.8	22.3	-3.9	-3.9	119	26	26	-27.35	No Change made in Valve Position
GRNVLY29	10/1/2013 9:53	47.7	34.6	1.2	16.5	-1.5	-1.3	115	7	6	-10.08	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY29	10/1/2013 9:56	49.3	35.1	0.8	14.8	-1.2	-1.2	115	7	5	-10.13	No Change made in Valve Position
GRNVLY29	10/21/2013 15:13	46.3	35.3	1.3	17.1	-2.3	-2	115	13	12	-31.72	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY29	10/21/2013 15:16	45.7	35.4	1	17.9	-1.8	-1.8	116	10	12	-32.37	No Change made in Valve Position
GRNVLY29	11/11/2013 14:27	43.4	34.9	1.2	20.5	-0.7	-0.6	107	16	14	-14.19	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY29	11/11/2013 14:30	42.6	34.9	1	21.5	-0.6	-0.6	105	14	14	-14.18	No Change made in Valve Position
GRNVLY29	11/25/2013 13:33	54.3	39	0	6.7	-0.2	-0.3	89	10	8	-7.04	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY29	11/25/2013 13:35	52.5	38.2	0.7	8.6	-0.5	-0.5	94	20	8	-7.19	No Change made in Valve Position
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
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

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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	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
GRNVLY30	9/2/2013 13:15	49.9	34.4	0.7	15	-1.5	-1.6	106	22	7	-27.63	No Change made in Valve Position
GRNVLY30	9/17/2013 10:49	48.4	35.7	0.8	15.1	-1.6	-1.5	87	6		-26.25	No Change made in Valve Position
GRNVLY30	10/1/2013 9:31	59.3	39.4	0	1.3	-0.5	-0.6	87	4	19	-7.9	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY30	10/1/2013 9:34	60.2	39.6	0	0.2	-0.6	-0.6	91	8	5	-8.95	No Change made in Valve Position; Valve Barely Open
GRNVLY30	10/22/2013 10:29	46.5	36.3	0.9	16.3	-1.6	-1.6	86	10	10	-21.56	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY30	10/22/2013 10:32	46.5	36.8	0.5	16.2	-1.5	-1.5	86	12	11	-20.52	No Change made in Valve Position; Valve Barely Open
GRNVLY30	11/11/2013 15:32	55.2	39.9	0	4.9	-0.3	-0.6	78	12	32	-12.41	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY30	11/11/2013 15:35	51.9	39	0	9.1	-0.6	-0.6	89	11	10	-13.77	No Change made in Valve Position
GRNVLY30	11/25/2013 14:44	58.8	40.2	0	1	0.1	-0.2	80		37	-4.81	Slightly Opened less than 1/4 turn; Inc Flow/Vacuum
GRNVLY30	11/25/2013 14:48	57.5	39.7	0	2.8	-0.5	-0.7	98	7	28	-6.81	No Change made in Valve Position
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
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

Green Valley Landfill
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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	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
GRNVLY31	9/2/2013 13:31	60.5	38.2	0	1.3	-20.1	-21.1	95	11	11	-27.35	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	9/2/2013 13:34	60.7	37.5	0	1.8	-21.3	-21.3	101	14	13	-26.36	No Change made in Valve Position
GRNVLY31	9/18/2013 8:03	55.6	39	0.4	5	-19.6	-20.9	73	20	20	-24.08	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY31	9/18/2013 8:07	55.7	39.2	0.2	4.9	-21	-20.8	80	16	12	-24.51	Surging; No Change made in Valve Position
GRNVLY31	10/1/2013 10:01	61	38.7	0.2	0.1	-8.8	-9.1	81	10	11	-9.55	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY31	10/1/2013 10:04	60.9	39	0	0.1	-9.1	-9.1	88	7	8	-9.69	No Change made in Valve Position
GRNVLY31	10/22/2013 10:43	57.5	39.6	0	2.9	-19	-18.8	65	10	17	-19.31	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	10/22/2013 10:46	57.5	39.8	0	2.7	-19	-18.9	71	15	15	-20.35	Surging; No Change made in Valve Position
GRNVLY31	11/11/2013 15:53	55.8	39.5	0	4.7	-12	-12.1	68	4	5	-12.7	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	11/11/2013 15:56	55.1	39.7	0	5.2	-12.1	-12	73	3	4	-12.63	No Change made in Valve Position
GRNVLY31	11/25/2013 15:01	60.2	39.7	0	0.1	-6.3	-6.4	48	6	7	-6.43	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	11/25/2013 15:04	60.2	39.7	0	0.1	-6.1	-6.1	53	7	7	-6.59	No Change made in Valve Position
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
GRNVLY33	9/2/2013 14:47	15	11.2	13	60.8	-2.4	-2.6	101	20	25	-18.97	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY33	9/2/2013 14:51	18.9	14	11.4	55.7	-2.6	-3.5	106	25	40	-18.41	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY33	9/2/2013 14:54	25	17.8	9.2	48	-3.7	-3.6	110	41	40	-18.11	No Change made in Valve Position
GRNVLY33	9/12/2013 14:30	24	17.7	10.4	47.9	-3	-4.3	102	44	63	-21.27	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY33	9/12/2013 14:32	27.4	19.9	9	43.7	-4.6	-4.4	101	55	64	-21.15	No Change made in Valve Position
GRNVLY33	9/18/2013 9:12	15.6	12.9	13.2	58.3	-4.8	-6.1	97	58	78	-16.78	Inc Flow/Vacuum; Opened greater than 1 turn
GRNVLY33	9/18/2013 9:18	18.6	15.1	11.9	54.4	-6.2	-1.9	99	78	4	-20.44	Dec Flow/Vacuum; Closed greater than 1 turn; Valve Barely Open
GRNVLY33	9/18/2013 9:21	0	0.3	20.8	78.9	-1.4	-1.4	77	3	5	-20.85	No Change made in Valve Position; Valve Barely Open

Green Valley Landfill
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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
GRNVLY33	9/26/2013 9:23	0	0.1	20.7	79.2	-0.3	-0.6	65	10	17	-12.72	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn; User Defined Comments
GRNVLY33	9/26/2013 9:28	10.6	8.9	15	65.5	-0.7	-1	96	16	20	-12.12	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY33	9/26/2013 9:31	15.3	11.8	12.9	60	-1.1	-1.1	104	23	22	-12.08	No Change made in Valve Position
GRNVLY33	10/1/2013 11:24	17.2	10.4	13.4	59	-0.7	-1.1	105	21	31	-8.18	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY33	10/1/2013 11:28	23.8	14.6	11	50.6	-1.2	-1.2	109	33	32	-8.13	No Change made in Valve Position
GRNVLY33	10/2/2013 8:11	15.4	10.4	14.7	59.5	-1.6	-2.3	106	28	42	-9.43	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY33	10/2/2013 8:15	19.6	13.5	13.2	53.7	-2.3	-2.3	109	47	47	-9.52	No Change made in Valve Position
GRNVLY33	10/15/2013 12:08	17.1	11.5	13.4	58	-3.3	-1	107	57	18	-19.43	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY33	10/15/2013 12:11	0.7	0.8	19.8	78.7	-0.8	-0.8	98	20	19	-19.63	No Change made in Valve Position; Valve Barely Open
GRNVLY33	10/23/2013 12:49	0.2	1.4	20.2	78.2	-0.7	-1.1	70	16	23	-12.09	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY33	10/23/2013 12:52	1	2.2	19.4	77.4	-1.2	-1.1	95	18	21	-12.37	No Change made in Valve Position; Valve Barely Open
GRNVLY33	10/30/2013 9:26	1.5	2.8	18.9	76.8	-0.9	-2.1	81	21	45	-11.69	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY33	10/30/2013 9:32	7.1	7.6	15.6	69.7	-2.1	-0.6	98	46	14	-12.24	Dec Flow/Vacuum; Closed greater than 1 turn; Valve Barely Open
GRNVLY33	10/30/2013 9:35	0	0.8	20.4	78.8	-0.5	-0.4	59	16	16	-12.58	No Change made in Valve Position; Valve Barely Open
GRNVLY33	11/12/2013 13:57	0.1	1.8	20.7	77.4	-0.5	-2	55	5	40	-10.44	NSPS/EG CAI; Inc Flow/Vacuum; Opened greater than 1 turn
GRNVLY33	11/12/2013 14:02	1.2	3	18.5	77.3	-2	-0.8	94	39	22	-11.25	Dec Flow/Vacuum; Closed greater than 1 turn
GRNVLY33	11/12/2013 14:05	0.1	1	20.9	78	-0.6	-0.6	58	4	4	-11.19	No Change made in Valve Position; Valve Barely Open
GRNVLY33	11/26/2013 10:35	44.6	34.3	0.2	20.9	0.2	-0.1	94	11	40	-6.3	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY33	11/26/2013 10:38	38.9	33.2	0	27.9	-0.2	-0.3	110	34	22	-6.34	No Change made in Valve Position; Valve Barely Open
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

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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
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
GRNVLY34	9/2/2013 13:38	49.2	34.9	0.2	15.7	-6.6	-6.6	110	11	8	-26.32	No Change made in Valve Position
GRNVLY34	9/18/2013 8:13	47.2	36.2	0.3	16.3	-6	-5.1	107	31		-23.89	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY34	9/18/2013 8:16	47.6	36.5	0	15.9	-4.9	-4.9	107	22	24	-24.08	Surging; No Change made in Valve Position
GRNVLY34	10/1/2013 10:09	57.7	37.7	0.2	4.4	-2.2	-2.5	107	7	7	-9.81	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY34	10/1/2013 10:12	57.5	38	0	4.5	-2.7	-2.7	108	10	7	-9.91	No Change made in Valve Position
GRNVLY34	10/22/2013 10:49	51.7	37.3	0.2	10.8	-5.2	-5.2	107	16	19	-20.88	No Change made in Valve Position
GRNVLY34	11/11/2013 16:00	50.3	37.4	0.2	12.1	-3.4	-3.4	106	23	31	-12.78	No Change made in Valve Position
GRNVLY34	11/25/2013 15:09	58.7	38.9	0	2.4	-1.9	-2.6	99		2	-6.55	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY34	11/25/2013 15:13	58.3	39.1	0	2.6	-2.8	-2.8	102	1	4	-6.55	No Change made in Valve Position
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
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
GRNVLY35	9/2/2013 14:59	49.5	33.6	1.7	15.2	-1.1	-1.1	129	26	24	-20.06	No Change made in Valve Position
GRNVLY35	9/18/2013 11:17	40.9	32.3	3.1	23.7	-1.3	-1.1	127	9	9	-21.84	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY35	9/18/2013 11:22	37	30.1	3.9	29	-0.9	-0.8	117			-20.53	No Change made in Valve Position; Valve Barely Open
GRNVLY35	10/1/2013 11:32	56.7	38.9	0	4.4	0	-0.2	101	16	38	-8.84	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Valve Barely Open; Insufficient Available Vacuum
GRNVLY35	10/1/2013 11:35	56.9	39.1	0	4	-0.4	-0.4	110	11	8	-8.93	No Change made in Valve Position
GRNVLY35	10/23/2013 12:39	44.6	35.9	1.4	18.1	-1.4	-1.3	127	20	19	-13.12	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn

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09/01/2013 through 09/30/2014

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	10/23/2013 12:42	45	36.7	0.8	17.5	-1.3	-1.3	126	23	29	-13.17	No Change made in Valve Position
GRNVLY35	11/12/2013 14:18	40.4	32.1	2.6	24.9	-0.8	-0.7	114	8		-11.71	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY35	11/12/2013 14:21	40.1	32.5	2.5	24.9	-0.7	-0.7	112	6	6	-11.75	No Change made in Valve Position; Valve Barely Open
GRNVLY35	11/26/2013 10:24	46.7	40.4	0.2	12.7	0.5	0	103		26	-6.52	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY35	11/26/2013 10:28	47.7	40.8	0	11.5	-0.3	-0.4	124	24	19	-6.66	No Change made in Valve Position; Valve Barely Open
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
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
GRNVLY36	9/3/2013 8:46	56	36.6	0	7.4	-9.4	-10.7	131	23	32	-18.75	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn; HOV (140 deg. F)
GRNVLY36	9/3/2013 8:49	55.8	36.9	0	7.3	-11.2	-11.3	133	32	32	-19.85	No Change made in Valve Position
GRNVLY36	9/18/2013 10:50	50.7	36.2	0.4	12.7	-12.2	-12.2	132		26	-20.95	No Change made in Valve Position; HOV (140 Deg. F)
GRNVLY36	10/1/2013 16:03	59.1	38.2	0	2.7	-6.2	-6.7	131	23	25	-10.15	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 Deg. F)
GRNVLY36	10/1/2013 16:06	58.9	38.4	0	2.7	-6.9	-6.8	132	28	28	-10.04	No Change made in Valve Position
GRNVLY36	10/23/2013 13:18	56	38.3	0	5.7	-9.3	-9.7	129	30	33	-12.66	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 Deg. F)
GRNVLY36	10/23/2013 13:21	56.1	38.9	0	5	-9.9	-9.8	130	31	32	-12.44	No Change made in Valve Position
GRNVLY36	11/12/2013 15:33	55.9	36.2	0.3	7.6	-9.3	-9.9	128	26	27	-11.57	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY36	11/12/2013 15:36	55.3	37.2	0	7.5	-9.9	-10	127	29	29	-11.56	No Change made in Valve Position
GRNVLY36	11/26/2013 11:07	48.7	37.5	0	13.8	-5.6	-5.6	128	23	21	-6.67	No Change made in Valve Position
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

Green Valley Landfill
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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	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
GRNVLY37	9/2/2013 14:15	47.3	31.7	0.1	20.9	-5.3	-5.1	94	10	8	-18.43	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY37	9/2/2013 14:18	46.6	32.1	0	21.3	-4.9	-4.9	95	9	9	-19.47	No Change made in Valve Position
GRNVLY37	9/18/2013 8:55	48.1	34.4	0.1	17.4	-4	-4.1	83			-18.78	No Change made in Valve Position
GRNVLY37	10/1/2013 10:51	57.6	34.6	0.1	7.7	-1.6	-1.7	89	5	4	-9.06	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLY37	10/1/2013 10:55	57.1	35.1	0	7.8	-1.8	-1.8	91	3	8	-9.03	No Change made in Valve Position
GRNVLY37	10/22/2013 11:35	52.8	35.4	0	11.8	-3.4	-3.6	84	19	14	-13.75	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY37	10/22/2013 11:38	52.4	36	0	11.6	-3.7	-3.7	85	19	18	-13.65	Surging; No Change made in Valve Position
GRNVLY37	11/12/2013 13:40	43.3	32.7	0.1	23.9	-7.4	-6.6	85	21	31	-11.15	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY37	11/12/2013 13:43	43.3	33.5	0	23.2	-6.4	-6.4	83	16	15	-11.43	No Change made in Valve Position
GRNVLY37	11/25/2013 15:40	53.2	34.8	0	12	-2.9	-3.2	86	30	34	-6.3	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY37	11/25/2013 15:43	52.3	34.8	0	12.9	-3	-3	86	9	11	-6.59	No Change made in Valve Position
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
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

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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	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
GRNVLY55	9/3/2013 18:05	62.4	35.9	0	1.7	-32.1	-32.6	111	32	32	-32.39	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY55	9/3/2013 18:08	63	36.2	0	0.8	-32.4	-32	111	35	32	-32.63	No Change made in Valve Position
GRNVLY55	9/18/2013 17:05	59.6	37.2	0.9	2.3	-31.9	-32.2	110	7	23	-32.69	Fully Open; Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY55	9/18/2013 17:07	60.7	37.7	0.6	1	-32.2	-32.2	110	15		-32.18	No Change made in Valve Position
GRNVLY55	10/2/2013 11:52	61	38.8	0	0.2	-13	-13	112	17	20	-13.2	Fully Opened No Change
GRNVLY55	10/21/2013 13:17	60.4	39.5	0	0.1	-36.9	-36.8	112	28	42	-37.13	Fully Opened No Change
GRNVLY55	11/12/2013 8:09	61.4	38.2	0.3	0.1	-16	-16.2	109	25	26	-16.42	Fully Opened No Change
GRNVLY55	11/26/2013 15:48	60.2	39.6	0	0.2	-8.1	-8.1	107	25	24	-8.19	Fully Opened No Change
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
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
GRNVLY56	9/3/2013 18:02	62.2	37.7	0	0.1	-32.3	-32.6	100	12	14	-32.23	Fully Opened No Change
GRNVLY56	9/18/2013 17:00	59.1	36.1	1.3	3.5	-32.3	-32.3	92			-32.16	Fully Opened No Change
GRNVLY56	10/23/2013 10:43	60.9	39	0	0.1	-13.8	-13.9	62	16	21	-13.88	Fully Opened No Change
GRNVLY56	10/30/2013 11:01	61.8	37.8	0.3	0.1	-17.9	-18	81	19	18	-18.17	No Change made in Valve Position; Fully Opened No Change
GRNVLY56	11/12/2013 8:59	61.8	38.1	0	0.1	-15.6	-15.7	57	7	10	-15.75	Fully Opened No Change
GRNVLY56	11/26/2013 15:53	62	37.8	0	0.2	-7.9	-7.9	56	19	16	-8.03	Fully Opened No Change
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

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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
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
GRNVLY57	9/3/2013 17:42	48.1	35.1	0	16.8	-23.8	-23.9	101	18	17	-32.97	No Change made in Valve Position
GRNVLY57	9/18/2013 16:09	41.4	34.5	0.4	23.7	-23.5	-20.5	99	6		-32.75	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY57	9/18/2013 16:12	41.4	34.6	0	24	-18.9	-18.9	99			-33.04	No Change made in Valve Position
GRNVLY57	10/2/2013 11:01	57.1	38.2	0	4.7	-8.2	-8.8	98	15	13	-13.28	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY57	10/2/2013 11:04	56.9	38.9	0	4.2	-9.1	-9.1	99	15	15	-13.3	No Change made in Valve Position
GRNVLY57	10/21/2013 13:53	60.2	39.7	0	0.1	-12.6	-14.9	95	25	19	-38.67	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY57	10/21/2013 13:57	59.9	40	0	0.1	-15.5	-15.5	97	19	19	-39.06	No Change made in Valve Position
GRNVLY57	11/12/2013 9:25	59.5	37.8	0.7	2	-10.5	-11	86		26	-15.79	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY57	11/12/2013 9:29	59.7	37.9	0	2.4	-11.8	-11.8	88	9	6	-15.83	No Change made in Valve Position
GRNVLY57	11/26/2013 16:23	59.6	38.7	0	1.7	-6.6	-7	81	11	11	-8.07	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY57	11/26/2013 16:26	59.4	39.2	0	1.4	-7.2	-7.3	82	31	31	-8.06	No Change made in Valve Position
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
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

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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	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
GRNVLY58	9/3/2013 17:39	48.4	33.2	3	15.4	-1.9	-1.9	111	95	96	-32.8	No Change made in Valve Position
GRNVLY58	9/18/2013 16:00	45.1	32.7	3.7	18.5	-1.7	-0.8	110	156	135	-32.83	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY58	9/18/2013 16:04	45.8	33.3	3.3	17.6	-0.9	-0.9	109	129	129	-32.59	No Change made in Valve Position
GRNVLY58	10/2/2013 10:52	55.4	36.7	1.3	6.6	-0.6	-0.9	111	55	65	-13.48	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY58	10/2/2013 10:57	54.3	36.9	1.4	7.4	-1	-0.9	111	68	68	-13.08	No Change made in Valve Position
GRNVLY58	10/21/2013 13:59	48.3	33.3	3.1	15.3	-2	-2	110	98	98	-39.03	No Change made in Valve Position
GRNVLY58	11/12/2013 9:34	60.5	37.5	1.2	0.8	-0.4	-0.8	100	48	67	-16.41	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY58	11/12/2013 9:37	59.5	37.1	1.2	2.2	-1	-1	103	70	70	-15.06	No Change made in Valve Position
GRNVLY58	11/26/2013 16:30	58.9	41	0	0.1	0.6	-0.5	101		52	-7.6	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY58	11/26/2013 16:34	59.4	40.5	0	0.1	-0.9	-0.9	106	22		-6.17	No Change made in Valve Position
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
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

Green Valley Landfill
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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	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
GRNVLY59	9/3/2013 11:00	69.6	29.7	0	0.7	-32.8	-32.6	114	33	29	-32.56	Fully Opened No Change
GRNVLY59	9/18/2013 15:04	65.6	30.4	0.3	3.7	-32.8	-32.3	106	4		-32.25	Fully Opened No Change
GRNVLY59	10/2/2013 9:24	65.6	34.3	0	0.1	-13.5	-13.4	105	32	34	-13.48	Fully Opened No Change
GRNVLY59	10/9/2013 15:01	67.1	32.8	0	0.1	-26.7	-27.3	106	19	19	-27.02	Fully Opened No Change
GRNVLY59	10/21/2013 14:15	66.9	33	0	0.1	-38.9	-38.9	107	18	18	-38.98	Fully Opened No Change
GRNVLY59	11/12/2013 10:00	65	34.7	0.1	0.2	-15.4	-15.5	91	22	21	-15.61	Fully Opened No Change
GRNVLY59	11/20/2013 11:59	65.7	34.2	0	0.1	-11	-11.1	102	31	28	-11.1	Fully Opened No Change
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	9/3/2013 12:01	67.9	27.3	1.2	3.6	-32.3	-33	85	11	13	-32.83	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	9/3/2013 12:04	64.6	28.7	0.1	6.6	-32.8	-33.3	86	8	10	-33.01	No Change made in Valve Position
GRNVLY60	9/18/2013 15:29	65.3	27.5	0.8	6.4	-32.6	-32.8	67			-32.81	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	9/18/2013 15:33	66.9	28.1	0.1	4.9	-32.5	-32.5	68			-32.78	No Change made in Valve Position
GRNVLY60	10/2/2013 9:57	68.8	31.1	0	0.1	-13.5	-13.5	78	18	10	-13.5	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	10/2/2013 10:00	69.4	30.5	0	0.1	-13.6	-13.6	81	22	19	-13.61	No Change made in Valve Position
GRNVLY60	10/9/2013 15:36	67.3	29.5	0.1	3.1	-27.2	-26.6	75		1	-27.07	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	10/9/2013 15:40	67.5	29.1	0	3.4	-26.8	-27.2	76		20	-26.98	No Change made in Valve Position
GRNVLY60	10/21/2013 14:37	68.8	29.7	0.1	1.4	-37.6	-37.5	69	18	20	-37.38	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY60	10/21/2013 14:40	69.8	29.9	0	0.3	-37.4	-37.4	70	26	58	-37.57	No Change made in Valve Position
GRNVLY60	11/12/2013 10:18	69.9	29.1	0.9	0.1	-15.4	-15.4	31	41	47	-15.52	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	11/12/2013 10:21	70.4	29	0.4	0.2	-15.4	-15.3	31	47	48	-15.49	No Change made in Valve Position
GRNVLY60	11/20/2013 12:55	70.4	29.1	0.4	0.1	-10.4	-10.7	59	26	36	-10.63	Inc Flow/Vacuum; Fully Open; Slightly Opened less than 1/4 turn
GRNVLY60	11/20/2013 12:58	70.1	28.6	0.2	1.1	-10.7	-10.5	59	35	36	-10.67	Fully Opened No Change
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	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	9/3/2013 10:56	50.2	22.3	0.2	27.3	-21.1	-21	105	24	21	-32.99	No Change made in Valve Position
GRNVLY61	9/18/2013 14:57	53.2	22.5	0.4	23.9	-25.1	-27.3	105			-32.67	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY61	9/18/2013 15:00	54	23.2	0	22.8	-27.6	-27.6	106	24	26	-32.67	No Change made in Valve Position
GRNVLY61	10/2/2013 9:18	68.5	23.6	0	7.9	-12.2	-12.5	99	30	5	-13.77	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY61	10/2/2013 9:21	69.8	23.7	0	6.5	-12.3	-12.3	100	7	8	-13.58	No Change made in Valve Position
GRNVLY61	10/9/2013 14:57	53.3	22.1	0	24.6	-24	-23.9	108	21	18	-27.15	No Change made in Valve Position
GRNVLY61	10/21/2013 14:09	58.4	22.1	0	19.5	-33.6	-34.2	107	18	20	-39.03	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY61	10/21/2013 14:12	58.5	22	0	19.5	-34.2	-34.2	107	23	16	-39.12	No Change made in Valve Position
GRNVLY61	11/12/2013 10:05	73.9	22.6	0	3.5	-14.1	-14.7	88	8	11	-15.66	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY61	11/12/2013 10:09	73.7	22.8	0	3.5	-14.7	-14.7	89	10	3	-15.48	No Change made in Valve Position
GRNVLY61	11/20/2013 11:51	71.7	22.5	0	5.8	-10.8	-10.9	86	17	16	-11.11	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY61	11/20/2013 11:54	71.2	22.6	0	6.2	-10.9	-10.9	87	87	14	-11.06	No Change made in Valve Position
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
GRNVLY62	9/3/2013 12:07	50.4	33.8	3	12.8	-32.8	-32.9	82	6	5	-32.49	No Change made in Valve Position
GRNVLY62	9/18/2013 15:36	57.6	40.7	0	1.7	-32.7	-32.8	71			-32.87	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY62	9/18/2013 15:39	57.6	40.8	0	1.6	-32.9	-32.6	71	5		-32.51	No Change made in Valve Position
GRNVLY62	10/2/2013 10:03	59.5	40.4	0	0.1	-13.8	-13.8	78	19	19	-13.78	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY62	10/2/2013 10:08	58.5	41.4	0	0.1	-13.5	-13.4	80	8	6	-13.42	No Change made in Valve Position
GRNVLY62	10/21/2013 14:44	46.6	33.3	3	17.1	-37.5	-37.4	71	16	10	-37.64	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY62	10/21/2013 14:48	46.1	33.7	2.9	17.3	-37.5	-37.6	71	17	9	-37.53	No Change made in Valve Position
GRNVLY62	11/12/2013 10:13	51.2	34.1	3.7	11	-15.6	-15.7	39			-15.41	No Change made in Valve Position
GRNVLY62	11/20/2013 13:02	56.8	38.6	0.5	4.1	-10.6	-10.8	60	15	20	-10.95	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY62	11/20/2013 13:05	57.1	39.2	0.5	3.2	-10.8	-10.7	62	16	15	-10.75	No Change made in Valve Position

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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	12/18/2013 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
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
GRNVLY7R	9/2/2013 15:20	36.7	29.4	1	32.9	-8.3	-9	123	6	9	-17.93	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY7R	9/2/2013 15:23	39	30.6	0.5	29.9	-9.1	-9.1	127	10	8	-17.15	No Change made in Valve Position
GRNVLY7R	9/18/2013 10:06	19.6	18.4	8.8	53.2	-9.1	-7.8	124	6		-20.42	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY7R	9/18/2013 10:09	3.3	4.6	17.4	74.7	-7.6	-7.6	114			-19.97	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	9/26/2013 8:00	0.2	0.8	19.9	79.1	-3.8	-4.5	78	6	9	-11.48	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY7R	9/26/2013 8:05	11.5	9.6	14.3	64.6	-4.5	-5.2	105	7	14	-11.39	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY7R	9/26/2013 8:09	19.2	14.8	10.5	55.5	-5.2	-5.2	119	9	9	-11.26	No Change made in Valve Position
GRNVLY7R	10/1/2013 8:22	22.4	17.3	9.7	50.6	-4.8	-6	126	10	17	-10.46	NSPS/EG CAI; Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY7R	10/1/2013 15:02	31.8	24.4	6.2	37.6	-5.4	-3.4	130	25	9	-10.31	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY7R	10/1/2013 15:06	7.6	9.3	14.4	68.7	-3.1	-3.3	122	4	8	-10.29	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Valve Barely Open
GRNVLY7R	10/1/2013 15:09	6.1	6.4	15.7	71.8	-3.3	-3.3	123	8	8	-10.02	No Change made in Valve Position
GRNVLY7R	10/15/2013 11:40	0.4	2	17.9	79.7	-4.9	-6.1	95	13	12	-17.83	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY7R	10/15/2013 11:46	3	4	16.8	76.2	-6.2	-4.9	114	23	12	-17.3	Dec Flow/Vacuum; Mod. closed less than 1/2 turn; Valve Barely Open
GRNVLY7R	10/15/2013 11:49	0.7	1	19.3	79	-4.8	-4.8	99	14	13	-16.4	Surging; No Change made in Valve Position
GRNVLY7R	10/22/2013 12:24	0.2	1.3	19.9	78.6	-3.4	-3.9	71		7	-13.08	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Valve Barely Open
GRNVLY7R	10/22/2013 12:28	0.3	1.6	18.5	79.6	-4	-4.8	84	5	20	-12.58	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY7R	10/22/2013 12:31	2.5	3.2	17.5	76.8	-4.8	-4.8	100		10	-13.15	No Change made in Valve Position; Surging
GRNVLY7R	10/23/2013 12:32	6.6	6.9	16	70.5	-4.6	-3.5	113	15	13	-12.15	Dec Flow/Vacuum; Mod. closed less than 1/2 turn; Valve Barely Open
GRNVLY7R	10/23/2013 12:34	0.3	0.8	20.6	78.3	-3.4	-3.4	87	13	13	-12.16	No Change made in Valve Position
GRNVLY7R	10/30/2013 9:47	0	0.1	20.9	79	-3.1	-6.9	57	12	33	-11.28	Inc Flow/Vacuum; NSPS/EG CAI; Opened greater than 1 turn
GRNVLY7R	10/30/2013 10:15	13.6	10.1	11.4	64.9	-7.1	-8.4	123	30	43	-11.14	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn

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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	10/30/2013 10:19	15.5	11.5	10	63	-8.6	-3.6	125	44	11	-12.07	Dec Flow/Vacuum; Closed greater than 1 turn; Valve Barely Open
GRNVLY7R	10/30/2013 10:22	2.3	2.1	19	76.6	-3.3	-3.4	105	221	11	-12.29	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	11/6/2013 8:58	0	0.5	20.3	79.2	-2.6	-4.8	66	13	22	-10	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY7R	11/6/2013 9:44	11	9	12.1	67.9	-5.2	-3.2	120	24	14	-11.4	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY7R	11/6/2013 9:47	1.9	2.1	18.6	77.4	-2.9	-2.9	105	14	14	-11.53	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	11/12/2013 14:46	0	0.5	20.8	78.7	-2.5	-4.4	33		12	-10.29	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY7R	11/12/2013 15:21	6	6.3	15.3	72.4	-4.5	-3.1	111	12		-10.76	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY7R	11/12/2013 15:24	0.6	1.2	19.8	78.4	-3	-2.9	85			-11.14	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	11/20/2013 13:27	0	0.2	20.9	78.9	-1.6	-2.5	66	15	14	-7.21	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY7R	11/20/2013 13:30	6.8	7.1	15.4	70.7	-2.6	-2.6	102	18	17	-7.51	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY7R	11/26/2013 10:07	14.2	17.2	9.8	58.8	-1.9	-2.9	119	13	21	-6.53	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY7R	11/26/2013 14:51	31.2	23	6.2	39.6	-2.6	-2.2	133	20	19	-5.98	Dec Flow/Vacuum; NSPS/EG CAI; Slightly Closed less than 1/4 turn
GRNVLY7R	11/26/2013 14:54	28.6	22.2	6.7	42.5	-2.2	-2.1	130	17	17	-6.16	No Change made in Valve Position
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

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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	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
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
GRNVLYP1	11/20/2013 9:08	0	0.1	20.8	79.1							
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						
GRNVLYP2	11/20/2013 9:18	0	0.2	20.8	79							
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						
GRNVLYP3	11/20/2013 9:39	0	0.1	20.5	79.4							
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						
GRNVLYP4	11/20/2013 8:53	0	0.2	20.2	79.6							
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						
GRNVBOT2	9/2/2013 12:08	44.1	31.5	1.8	22.6	0.3	0.3	105	162	162		
GRNVBOT2	9/2/2013 16:51	45.5	33.3	1.3	19.9	0.2	0.2	106	134	134		
GRNVBOT2	9/3/2013 8:08	43.9	32	1.3	22.8	0.2	0.2	78	133	133		
GRNVBOT2	9/3/2013 19:05	44	32.2	1.6	22.2	0.1	0	95	127	127		
GRNVBOT2	9/12/2013 14:08	45.9	32.3	1.7	20.1	0.6	0.6	108	287	287		
GRNVBOT2	9/17/2013 9:16	37.8	30.8	2.6	28.8	0.2	0.2	87	1500	1500		
GRNVBOT2	9/17/2013 16:37	40.7	28.6	3.5	27.2	0.6	0.6	104	312	312		
GRNVBOT2	9/18/2013 7:37	39.7	30.4	2.9	27	0.3	0.3	89	171	171		
GRNVBOT2	9/18/2013 18:19	41.9	31.6	2	24.5	0.2	0.2	91	150	150		
GRNVBOT2	10/8/2013 12:59	44.7	31.9	3.2	20.2	1.8	1.8	107	489	489		
GRNVBOT2	10/9/2013 14:30	43.2	31.2	3	22.6	2	2	104	515	515		
GRNVBOT2	10/30/2013 15:04	46.1	32.8	1.8	19.3	0.3	0.3	91	387	387		
GRNVBOT2	10/31/2013 9:48	46.1	32.2	2.1	19.6	0.8	0.8	91	358	358		

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Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	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
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
GRNVCO01	9/2/2013 13:52	61.4	37.7	0.2	0.7	-19.2	-19.3	90	12		-19.1	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVCO01	9/2/2013 13:55	61.9	37.7	0	0.4	-19.2	-18.6	90	10	15	-19.36	No Change made in Valve Position
GRNVCO01	9/18/2013 8:32	35.8	26.2	7.1	30.9	-18.6	-55.9	68			-18.54	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVCO01	9/18/2013 8:36	35.9	26.4	6.9	30.8	-13.6	-13.6	71			-18.97	No Change made in Valve Position
GRNVCO01	9/26/2013 9:37	50.3	32.8	3.6	13.3	-9	-9	76	14	11	-12.26	No Change made in Valve Position
GRNVCO01	10/1/2013 10:26	59.1	37.3	0.7	2.9	-6.8	-8.7	83			-9.39	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVCO01	10/1/2013 10:29	58.6	38	0.3	3.1	-8.8	-8.8	83			-9.35	No Change made in Valve Position
GRNVCO01	10/22/2013 11:01	34.3	24.7	7.9	33.1	-11.9	-7	64		21	-13.68	NSPS/EG CAI; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVCO01	10/22/2013 11:04	34.8	25.5	7.5	32.2	-6.8	-6.8	64	14	17	-14.29	No Change made in Valve Position
GRNVCO02	9/3/2013 9:48	49.1	31.3	1.7	17.9	-1.4	-1.3	85	13	13	-32.9	No Change made in Valve Position
GRNVCO02	9/18/2013 13:23	49.6	32.1	2.4	15.9	-1	-1	75	6	13	-33.6	No Change made in Valve Position
GRNVCO02	10/2/2013 8:24	61.7	38.1	0.1	0.1	0.1	-0.2	70	23	21	-13.46	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO02	10/2/2013 8:28	60.8	39.1	0	0.1	-0.2	-0.2	72	31	31	-13.77	No Change made in Valve Position
GRNVCO02	10/9/2013 14:48	38.3	26.1	5.1	30.5	-2.3	-1.9	86	10	11	-27.18	Dec Flow/Vacuum; NSPS/EG CAI; Slightly Closed less than 1/4 turn; Valve Barely Open
GRNVCO02	10/9/2013 14:51	38.9	26.4	4.9	29.8	-1.9	-1.9	85	12	19	-27.05	No Change made in Valve Position
GRNVCO02	10/21/2013 12:30	39.7	27.2	4.9	28.2	-2.7	-1.5	75	15	10	-37.87	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn; Valve Barely Open
GRNVCO02	10/21/2013 12:33	42.6	28.9	4	24.5	-1.5	-1.5	75	12	16	-37.81	No Change made in Valve Position
GRNVCO02	11/11/2013 13:09	61.9	37.9	0.1	0.1	0.7	-1.3	67	15	13	-6.79	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Valve Barely Open
GRNVCO02	11/11/2013 13:12	61.1	38.8	0	0.1	-1.2	-1.3	66	12	12	-6.96	No Change made in Valve Position
GRNVCO02	11/12/2013 11:37	38.1	25.2	6.1	30.6	-4.4	-2.5	52	6	7	-15	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVCO02	11/12/2013 11:41	39.9	26.6	4.9	28.6	-2.4	-2.3	51			-14.9	No Change made in Valve Position
GRNVCO02	11/26/2013 17:23	62	35.9	0.9	1.2	-0.5	-2.2	43	18	14	-7.32	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	11/26/2013 17:26	58.7	35.7	0.5	5.1	-2.2	-2.3	44	42	28	-7.29	No Change made in Valve Position
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
GRNVLBIN	9/2/2013 11:58	44.1	31.7	1.8	22.4	-33.4	-32.9	89	972	972		
GRNVLBIN	9/2/2013 16:46	44.5	32.9	1.4	21.2	-33.1	-33.3	88	994	994		
GRNVLBIN	9/3/2013 8:02	44.2	32.8	1.4	21.6	-33.3	-33.2	86	908	908		
GRNVLBIN	9/3/2013 19:00	43.7	32.3	1.5	22.5	-33.9	-33.6	87	960	960		
GRNVLBIN	9/12/2013 14:00	45.8	32.7	1.5	20	-33.2	-32.9	87	1080	1080		
GRNVLBIN	9/12/2013 14:00	45.8	32.7	1.5	20	-33.2	-33.2	87	1080	1080		
GRNVLBIN	9/17/2013 9:08	40.5	30.7	2.6	26.2	-33	-33	86	2332	2332		
GRNVLBIN	9/17/2013 16:28	39.5	28.5	3.9	28.1	-30.4	-30.4	85	1099	1099		
GRNVLBIN	9/18/2013 7:29	39.4	29.8	3.1	27.7	-31	-30.9	83	994	994		
GRNVLBIN	9/18/2013 18:13	39.2	29.6	3.2	28	-32.7	-33	85	925	925		
GRNVLBIN	9/26/2013 7:16	48.5	32.8	2.1	16.6	-15.4	-15.4	68	622	622		
GRNVLBIN	10/1/2013 7:56	45.4	31.9	2.8	19.9	-15.5	-15.6	69	665	665		
GRNVLBIN	10/1/2013 18:06	48.4	33	2.1	16.5	-14.1	-14.1	89	645	645		
GRNVLBIN	10/2/2013 7:56	48	32.1	2.5	17.4	-13.9	-13.9	71	664	664		
GRNVLBIN	10/2/2013 13:38	49	32.5	2.1	16.4	-12.8	-12.8	91	671	671		
GRNVLBIN	10/8/2013 12:49	47.2	32.1	2.7	18	-39.4	-39.5	83	1214	1214		
GRNVLBIN	10/9/2013 14:24	43.4	30.9	3.1	22.6	-27.7	-27.7	83	780	780		
GRNVLBIN	10/15/2013 9:45	44.4	31.4	3	21.2	-28.5	-28.1	75	1497	1497		
GRNVLBIN	10/21/2013 12:19	41.9	30.4	3.1	24.6	-37.9	-37.7	82	1497	1497		

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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	10/21/2013 16:32	43.3	31.5	2.5	22.7	-39.5	-39.5	81	1497	1497		
GRNVLBIN	10/22/2013 9:17	40	30.1	3	26.9	-27.6	-27.8	67	944	944		
GRNVLBIN	10/22/2013 13:47	43.6	31.8	2.3	22.3	-13.6	-13.5	77	704	704		
GRNVLBIN	10/23/2013 10:28	43.3	31.5	2.7	22.5	-14.5	-14.6	71	745	745		
GRNVLBIN	10/23/2013 16:30	45.6	31.8	2.4	20.2	-18.1	-18	67	784	784		
GRNVLBIN	10/30/2013 8:56	47.2	33.4	2.3	17.1	-19.1	-19.3	68	818	818		
GRNVLBIN	10/30/2013 14:56	46.2	31.9	2.1	19.8	-32.8	-33	76	1020	1020		
GRNVLBIN	10/31/2013 9:44	46.5	31.9	2.1	19.5	-32.9	-33.3	77	1058	1058		
GRNVLBIN	11/6/2013 8:30	46.7	30.8	1.7	20.8	-15.9	-15.9	69	737	737		
GRNVLBIN	11/11/2013 12:55	42.9	31.8	1.9	23.4	-22.3	-22.9	75	617	617		
GRNVLBIN	11/11/2013 16:35	46	32.1	2	19.9	-17.1	-16.9	70	721	721		
GRNVLBIN	11/12/2013 7:49	40.4	30.2	2.7	26.7	-16.7	-16.6	57	741	741		
GRNVLBIN	11/12/2013 16:49	41.7	30.4	2.6	25.3	-15.3	-15.3	53	768	768		
GRNVLBIN	11/20/2013 10:33	43.7	29.6	3.7	23	-11.7	-11.5	61	726	726		
GRNVLBIN	11/20/2013 14:09	50.8	32	2.3	14.9	-10.4	-10.3	66	582	582		
GRNVLBIN	11/25/2013 13:16	47.1	32.1	2.4	18.4	-9.6	-9.7	60	600	600		
GRNVLBIN	11/25/2013 17:34	50.6	33	1.8	14.6	-9.8	-9.6	52	647	647		
GRNVLBIN	11/26/2013 9:22	48.1	40.3	2.3	9.3	-9.6	-9.7	52	609	609		
GRNVLBIN	11/26/2013 17:42	54.4	33.7	1.4	10.5	-7.7	-7.8	50	547	547		
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

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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
GRNVLBOT	9/2/2013 12:02	44.2	31.9	1.7	22.2	5	4.5	110	810	810		
GRNVLBOT	9/2/2013 16:48	45.5	33	1.2	20.3	5.1	5.3	111	860	860		
GRNVLBOT	9/3/2013 8:05	44.2	32.4	1.3	22.1	5.2	5.4	101	775	775		
GRNVLBOT	9/3/2013 19:02	44.5	32.4	1.6	21.5	5	4.9	105	833	833		
GRNVLBOT	9/12/2013 14:03	46.5	33.1	1.5	18.9	5.2	5.1	111	793	793		
GRNVLBOT	9/17/2013 9:12	38	31	2.4	28.6	5.2	5.2	99	832	832		
GRNVLBOT	9/17/2013 16:31	43.2	30.6	2.4	23.8	5.9	5.9	108	787	787		
GRNVLBOT	9/18/2013 7:34	40.3	30.7	2.7	26.3	6.3	6.1	99	723	723		
GRNVLBOT	9/18/2013 18:16	42.2	31.8	2	24	3.7	3.6	100	775	775		
GRNVLBOT	9/26/2013 7:19	48.5	32.8	2.2	16.5	-15.9	-15.9	80	622	622		
GRNVLBOT	10/1/2013 8:01	46.1	32.2	2.6	19.1	-15.7	-15.7	79	665	665		
GRNVLBOT	10/1/2013 18:08	49.2	33.8	1.8	15.2	-14.5	-14.5	81	645	645		
GRNVLBOT	10/2/2013 7:59	49.3	32.9	2.2	15.6	-14.8	-14.8	80	664	664		
GRNVLBOT	10/2/2013 13:41	49.9	33.2	1.9	15	-13.3	-13.4	82	671	671		
GRNVLBOT	10/8/2013 12:52	47.5	32.4	2.6	17.5	6.1	6.1	107	725	725		
GRNVLBOT	10/9/2013 14:27	43.5	31.1	3	22.4	6.1	6	107	265	265		
GRNVLBOT	10/15/2013 9:50	45.2	32	2.7	20.1	-30.7	-30.3	80	1497	1497		
GRNVLBOT	10/21/2013 12:21	42.4	30.7	3	23.9	-40	-40.3	82	1497	1497		
GRNVLBOT	10/21/2013 16:34	44.3	32	2.1	21.6	-42	-41.9	82	1497	1497		
GRNVLBOT	10/22/2013 9:20	41	30.9	2.8	25.3	-28.9	-28.7	80	944	944		
GRNVLBOT	10/22/2013 13:49	44.5	32.5	2	21	-14.3	-14.3	78	704	704		
GRNVLBOT	10/23/2013 10:30	43.9	32	2.5	21.6	-15.1	-15	76	745	745		
GRNVLBOT	10/23/2013 16:33	46.4	32.4	2.2	19	-18.6	-18.7	76	784	784		
GRNVLBOT	10/30/2013 8:59	49.1	36	2.2	12.7	-19.9	-19.8	74	818	818		
GRNVLBOT	10/30/2013 14:58	46.5	33.2	2	18.3	3	3.3	94	633	633		
GRNVLBOT	10/31/2013 9:46	46.8	32.4	2.1	18.7	5.5	4.4	93	700	700		
GRNVLBOT	11/6/2013 8:33	47.1	31.3	1.5	20.1	-16.5	-16.8	73	737	737		
GRNVLBOT	11/11/2013 12:59	43	32.8	1.6	22.6	-22.9	-22.7	76	617	617		
GRNVLBOT	11/11/2013 16:37	46.6	32.7	1.8	18.9	-17.6	-17.3	73	721	721		
GRNVLBOT	11/12/2013 7:51	41.2	30.5	2.8	25.5	-17.2	-17.2	70	741	741		
GRNVLBOT	11/12/2013 16:51	42.2	30.4	2.4	25	-16.2	-16	69	768	768		
GRNVLBOT	11/20/2013 10:37	43.9	29.9	3.6	22.6	-12.2	-12.2	66	726	726		
GRNVLBOT	11/20/2013 14:11	52.3	32.7	2	13	-10.7	-10.8	66	582	582		

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
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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	11/25/2013 13:18	48.1	33	2.2	16.7	-9.9	-9.9	63	600	600		
GRNVLBOT	11/25/2013 17:37	50.3	33	1.9	14.8	-10.3	-10.3	62	647	647		
GRNVLBOT	11/26/2013 9:24	48.3	42.9	2.3	6.5	-10.2	-10.2	61	609	609		
GRNVLBOT	11/26/2013 17:46	55.9	33.8	1	9.3	-8.2	-8.1	60	547	547		
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
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
Flare 1	9/2/2013 12:10	43.9	31.8	1.7	22.6	0.3	0.2	105	162	162		96334104
Flare 1	9/12/2013 14:10	46	32.7	1.3	20	0.6	0.6	108	287	287		97141312
Flare 1	9/17/2013 16:38	40.7	28.6	3.5	27.2	0.6	0.6	104	312	312		98614384
Flare 1	10/8/2013 12:58	45.3	32	3.1	19.6	1.7	1.7	107	489	489		98854704
Flare 1	10/30/2013 15:06	46.2	33	1.9	18.9	0.2	0.3	91	387	387		NA
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
09/01/2013 through 09/30/2014

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
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
Plant 1	9/2/2013 12:04	44.3	31.7	1.8	22.2	5.1	5.1	110	810	810		147284578
Plant 1	9/12/2013 14:05	46.5	33.2	1.4	18.9	5.2	5.1	111	793	793		158643467
Plant 1	9/17/2013 16:33	43.2	30.7	2.3	23.8	5.8	5.7	108	787	787		164041225
Plant 1	9/26/2013 7:21	49	33.2	1.9	15.9	-15.9	-15.9	80	622	622		172482812
Plant 1	10/1/2013 8:04	46.2	32.2	2.6	19	-15.9	-15.8	79	665	665		177483430
Plant 1	10/8/2013 12:54	47.7	32.7	2.4	17.2	6.1	6.3	108	725	725		183627687
Plant 1	10/15/2013 9:52	45	32.1	2.6	20.3	-30.3	-30.5	80	1497	1497		189806268
Plant 1	10/21/2013 12:23	42.5	31.2	2.7	23.6	-40.3	-40.5	82	1497	1497		199696635
Plant 1	10/30/2013 15:00	46.2	32.9	1.8	19.1	11.6	10.8	95	633	633		210717812
Plant 1	11/6/2013 8:35	47.1	31.3	1.5	20.1	-16.6	-16.6	73	737	737		217853399
Plant 1	11/11/2013 13:01	42.6	32.9	1.7	22.8	-23.2	-23.7	76	617	617		223471700
Plant 1	11/20/2013 10:39	43.5	29.7	3.5	23.3	-12.3	-12.3	66	726	726		233454173
Plant 1	11/25/2013 13:20	48.3	33.1	2.2	16.4	-10	-10	63	600	600		237916175
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