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Monitoring
Control and Compliance, Inc.

May 8, 2014

1592
CMN 14-01
29 LE Mc OP CMR

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

Subject: Monthly LFG Report for ~~April~~ 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 April 2014.

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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 (paul.flory@landfillgasom.com).

Sincerely,

Monitoring Control and Compliance, Inc.

Paul D. Flory
Regional Manager

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

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APRIL 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the April 9, 2014 monitoring event, the gas quality at the blower inlet was 55.4% CH4, 33.0% CO2, 1.1% O2 and 10.5% balance gas. The applied vacuum to the wellfield was -17.43 inches of water and the flow was 440 SCFM.

Final Flare Readings

At the end of the tuning event on April 9, 2014, the gas quality going to the blower inlet was 55.0% CH4, 35.3% CO2, 0.8% O2 and 8.9% balance gas. The applied vacuum to the wellfield was -17.52 inches of water and the flow was 460 SCFM.

The flare operated for 61.33 hours with an average flow of 290 SCFM during April 2014. Charts of the data recorded by the control system are not available for the month of April because the data was downloaded through FleetZOOM.

Table 1-1 Control System Down Time Report

Start time	End Time	Comments
2/26/14 16:36	4/8/14 13:18	Installed new auto valve
4/8/14 16:09	4/8/14 16:27	Testing settings on new valve
4/11/14 11:59	4/16/14 10:55	Power outage, compressor overheated
4/18/14 9:44	End of Month	Hydraulic line failure on compressor

SSM forms for the applicable period can be found in Attachment F. An SSM form for the last downtime will be completed when the flare is brought back online in May.

Monthly Wellhead Monitoring Results

There are a total of 58 monitoring points (52 wells, 6 horizontal wells) associated with, and monitored, as part of the monthly monitoring events.

- Four (4) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Forty-six (46) wells exceeded the 52% methane target level set forth in the site's standard Fating procedures (SOP); see attachment E.
- Nine (9) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Thirteen (13) wells recorded flow below the site's SOP of 5 SCFM see attachment E.

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

Equipment calibration information for the April 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 April 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 April 2014.

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

Extraction Well No.	Parameter	Comments
GRNV50R2	O2	Operated outside NSPS standards from 2/11/14 thru the end of April.
GRNVL43R	O2	Operated outside NSPS standards from 3/11/14 thru 4/9/14. Came back in on 4/9/14, 2nd reading.
GRNVL47R	O2	Operated outside NSPS standards from 2/11/14 thru the end of April.
GRNVLHW2	O2	Operated outside NSPS standards from 2/11/14 thru 4/24/14.

Collection System Operations and Maintenance

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

- There are four wells needing new kanaflex, two needing a new regulator and one well needing a new cycle counter.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.

Quarterly Surface Emissions Monitoring

The 1st quarter 2014 30-day recheck surface emissions monitoring (SEM) event was completed on April 16, 2014 with all initial exceedances under regulatory thresholds. A copy of this report is presented in Attachment I. The second quarter scan is planned in June after the construction is completed.

Perimeter Probe and Building Monitoring

The 2nd 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:

- There are several wells onsite that are set-up for pneumatic pumps yet the pumps have been removed. MCC can evaluate the well field to make recommendations of pump placements if desired.
- A dryer needs to be installed on the air compressor. MCC has provided quotes for

this work.

- The air compressor is currently down with a hydraulic hose failure. A diesel powered rental unit quote has been provided to the site.

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
(None in April)

ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - April 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	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-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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - April 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
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
GRNVL52R	4/9/2014 8:19	66.2	33.5	0	0.3	-16.05	-16.01	123	13	10	-16.91	No Change; No Repair Needed; Good; 73170
GRNVL54R	4/9/2014 8:16	65	32.6	0.2	2.2	-17.17	-17.17	112	28	27	-17.26	No Change; No Repair Needed; Good; 458061
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - April 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY29	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
GRNVBOT2	4/9/2014 10:57											Manually entered; NIU
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
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
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
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
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

Total Number of Wells	58
Total Number of Well Readings	58
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	9
Number of Wells With Methane > 52%	46
Number of Wells With Oxygen > 1%	12
Number of Wells With Temperature > 120°F	6
Number of Wells With Flow < 5 SCFM	13

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	4/9/14
Meter Time:	7:16 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1363	0	-0.02
Methane	000000EE1427	50.2	50.98
Oxygen	000000EE1427	0	0.08
Oxygen	000000EE1363	4	4.03
CO2	000000EE1363	0	0
CO2	000000EE1427	35	35.52
Available (high)	NA	0	0
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	4/9/14
Meter Time:	11:30 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1363	0	0.02
Methane	000000EE1427	50.2	50.77
Oxygen	000000EE1427	0	-0.03
Oxygen	000000EE1363	4	3.99
CO2	000000EE1363	0	0
CO2	000000EE1427	35	34.98
Available (high)	NA	0	-0.09
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:	4/9/14
Meter Time:	12:32 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1363	0	0.03
Methane	000000EE1427	50.2	50.35
Oxygen	000000EE1427	0	-0.03
Oxygen	000000EE1363	4	4
CO2	000000EE1363	0	0
CO2	000000EE1427	35	35.13
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	4/24/14
Meter Time:	7:49 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1355	0	-0.05
Methane	000000EE1428	50.2	50.69
Oxygen	000000EE1428	0	0.07
Oxygen	000000EE1355	4	4.01
CO2	000000EE1355	0	0
CO2	000000EE1428	35	35
Available (high)	NA	0	-0.09
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.01

ATTACHMENT D

O & M Report

Monitoring
Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: Zack Ankney

Date: 4/9/2014

Flare Station / Skid Components

Item	Yes	No		Comments
Flare Operating in Automatic Mode	☑	☐		
Blower / flare operating properly	☐	☑		New pneumatic actuator in place.
Autodialer functioning	☐	☑		
VFD vacuum setpoint	In-W.C.		-17.52	
Motor operating properly	☑	☐		
Plant flow rate	SCFM		460	Flare Flow Rate: 180
Bearings properly lubricated	☑	☐		
Any Unusual Noises at B/F Skid	☐	☑		
Belts / drive correct	☑	☐		
Blower casing drained	☑	☐		
Valves properly positioned	☑	☐		
Chart recorder functioning	☑	☐		
Actuators maintained	☑	☐		New pneumatic actuator in place.
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		0.37	
Nitrogen Cylinder Pressure	PSI		N/A	
Propane Cylinder Pressure	%		75	

Air Compressor Components

Item	Yes	No	Comments
Unit Operating in Automatic Mode	☑	☐	Hours: 7963; Full service due
Compressor Tank Drained	☑	☐	
Filters Clean	☑	☐	
Compressor Tank Pressure	PSI		105
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 and needs counter

Additional Comments

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
April 2014

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	4/9/2014 10:05	54.7	GRNVLY12	4/9/2014 9:20	57.7
GRNV27RR	4/9/2014 11:51	58.6	GRNVLY16	4/9/2014 9:57	58.9
GRNV46R2	4/9/2014 8:56	59.6	GRNVLY19	4/9/2014 9:41	60
GRNVL08R	4/9/2014 10:12	57.9	GRNVLY21	4/9/2014 9:47	61.1
GRNVL13R	4/9/2014 9:31	57.9	GRNVLY22	4/9/2014 9:50	61.1
GRNVL18R	4/9/2014 10:25	53.3	GRNVLY23	4/9/2014 9:54	56.5
GRNVL26R	4/9/2014 9:14	52.1	GRNVLY24	4/9/2014 9:07	57.8
GRNVL32R	4/9/2014 11:43	56.8	GRNVLY25	4/9/2014 11:55	61.5
GRNVL38R	4/9/2014 11:37	60.1	GRNVLY28	4/9/2014 9:18	59.3
GRNVL41R	4/9/2014 8:46	62.7	GRNVLY30	4/9/2014 9:28	55.4
GRNVL49R	4/9/2014 8:35	62.7	GRNVLY31	4/9/2014 9:34	59
GRNVL52R	4/9/2014 8:19	66.2	GRNVLY34	4/9/2014 9:37	52.5
GRNVL54R	4/9/2014 8:16	65	GRNVLY35	4/9/2014 10:18	53.3
GRNVL63R	4/9/2014 8:05	63.6	GRNVLY36	4/9/2014 10:08	57.5
GRNVL64R	4/9/2014 8:07	59.6	GRNVLY37	4/9/2014 10:01	55
GRNVLHW1	4/24/2014 8:52	63.9	GRNVLY55	4/9/2014 8:43	61.5
GRNVLHW2	4/24/2014 8:48	58.2	GRNVLY56	4/9/2014 8:40	62.5
GRNVLHW3	4/9/2014 7:34	62.8	GRNVLY57	4/9/2014 8:32	59.7
GRNVLHW4	4/9/2014 7:37	57.7	GRNVLY58	4/9/2014 8:28	60.4
GRNVLHW5	4/9/2014 7:41	62.1	GRNVLY59	4/9/2014 7:59	67
GRNVLHW6	4/9/2014 7:46	58.3	GRNVLY60	4/9/2014 8:02	63.3
GRNVLY01	4/9/2014 11:59	58.5	GRNVLY61	4/9/2014 7:56	65.5
GRNVLY02	4/9/2014 12:03	60.8	GRNVLY62	4/9/2014 8:13	55.9
GRNVLY03	4/9/2014 9:05	62.2			

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV50R2	4/24/2014 8:30	37.6	GRNVLHW1	4/9/2014 9:25	31.2
GRNV65R2	4/9/2014 8:24	46.5	GRNVLHW2	4/9/2014 9:11	3.3
GRNVL43R	4/9/2014 8:49	24.5	GRNVLY29	4/9/2014 11:46	45.6
GRNVL44R	4/9/2014 8:55	28.9	GRNVLY33	4/9/2014 10:22	45.5
GRNVL47R	4/24/2014 8:42	11.6			

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV27RR	4/9/2014 11:51	0	GRNVLY03	4/9/2014 9:05	2.68
GRNV50R2	4/24/2014 8:30	0	GRNVLY25	4/9/2014 11:54	2.73
GRNV65R2	4/24/2014 8:38	0	GRNVLY30	4/9/2014 9:28	4.77
GRNVL43R	4/9/2014 8:49	0	GRNVLY31	4/9/2014 9:34	0
GRNVL47R	4/9/2014 8:38	3.99	GRNVLY33	4/9/2014 10:21	4.98
GRNVL63R	4/9/2014 8:05	0	GRNVLY59	4/9/2014 7:59	0
GRNVLHW2	4/9/2014 9:11	2.84			

Green Valley Landfill
Wellfield SOP Summary
April 2014

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV50R2	4/24/2014 8:30	7.9	GRNVLHW1	4/9/2014 9:25	8
GRNV65R2	4/24/2014 8:38	4.9	GRNVLHW2	4/9/2014 9:11	20.9
GRNVL10R	4/9/2014 11:40	1.4	GRNVLY24	4/9/2014 9:07	1.2
GRNVL43R	4/9/2014 8:50	1.8	GRNVLY29	4/9/2014 11:46	4.6
GRNVL44R	4/9/2014 8:55	1.3	GRNVLY61	4/9/2014 7:56	1.4
GRNVL47R	4/24/2014 8:42	12.6	GRNVLY62	4/9/2014 8:13	1.6

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNVL10R	4/9/2014 11:40	121.5	GRNVL52R	4/9/2014 8:19	123.3
GRNVL32R	4/9/2014 11:43	126	GRNVLY36	4/9/2014 10:08	126
GRNVL38R	4/9/2014 11:37	126.4	GRNVLY7R	4/9/2014 10:15	122.1

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	4/8/14 13:18	4/8/14 13:20	0.03	1	☑	☐
Shutdown	2/26/14 16:36	2/26/14 16:37	0.02	1, 3	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 05/08/14 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:

For Start-ups and Shutdowns

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

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

Code / Event

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

For Malfunctions

Notes:

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

Code **Event**

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

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare Recording System

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	4/8/14 12:07	4/8/14 12:07	0.00	30,31	☑	☐
Shutdown			0.00		☐	☐
Malfunction	4/8/14 9:38	4/8/14 12:07	2.48	30,31	Complete section 2 Below	

Date Form Filled Out: 05/08/14 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: electric disconnected for valve installation. No flow or temperature records.

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 Recording System** **4/8/14**

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

Code **Event**

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

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	4/8/14 16:27	4/8/14 16:29	0.03	1,4	☑	☐
Shutdown	4/8/14 16:09	4/8/14 16:10	0.02	1, 4	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 05/08/14 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: testing settings on new valve

For Start-ups and Shutdowns

Note: **Green Valley** **Flare** **4/8/14**

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

Code / Event

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

For Malfunctions

Notes:

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

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

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	4/16/14 10:55	4/16/14 10:57	0.03	16, 99	☑	☐
Shutdown			0.00		☐	☐
Malfunction	4/11/14 11:59	4/16/14 10:55	118.93	16, 99	Complete section 2 Below	

Date Form Filled Out: 05/08/14 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: Oil added on 4/16/14 b. Contact site representative with information recorded in #10.a.	☑	☐
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Power loss due to thunderstorms. Air compressor overheating.

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**

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)** Air compressor down

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								
DL-8	1783	1783	2279	2547								
CK-1	473512	485094	493941	501182								
CK-2	209528	211751	213923	216505								
CK-3	927685	942218	960371	985386								
CK-4	31673	39189	56246	73570								
CK-H	283730	361537	605581	907606								
Toe Drain	704959	845894	919151	235903								
GRNVLY04	716033	774517	882520	920916								
GRNVLY7R	812913	865126	899584	918321								
GRNVL08R	63063	63888	64947	66342								
GRNVL10R	604	604	608	608								
GRNVL13R	123056	126584	129428	131736								
GRNVL18R		288	288	290								
GRNVLY21	64	64	66	66								
GRNVLY23		Counter needed	Counter needed	Counter needed								
GRNVLY25	155354	158401	164924	167454								
GRNVL26R	149753	152018	153637	153637								
GRNV27RR	10712	10712	10712	10712								
GRNVLY28	54939	60430	61743	61749								
GRNVLY29	105929	106861	108806	109583								
GRNVL32R		388317	613352	613352								
GRNVLY35	273	273	273	274								
GRNVL38R	24808	24947	24947	24947								
GRNVL41R	98675	98711	98719	98721								
GRNVL43R	369256	369256	9458	Removed								
GRNVL47R				221								
GRNVL52R	41479	58747	70281	73170								
GRNVL54R	458059	458061	458061	458061								
GRNVLY55	1944	1945	1945	1946								
GRNVLY56	51769	52333	52333	52333								
GRNVLY57	7832	8393	8923	9315								
GRNVLY58	264	288	288	288								
GRNVLY61	21328	21328	23024	40732								
GRNVLY62	251	251	251	251								
GRNVL63R	276200	276202	276202	276202								

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan

Monitoring Control and Compliance, Inc.

LANDFILL: Green Valley - 2014

Month	Cover Integrity problems found during the Inspection	Date Site Notified MCC/Republic Initials	Date Repairs Made Republic Initials	Site Remediation
January 2014	Revised 2/18/14. Unit I cover is intact with very minor issues near HW01. Unit II cover is intact with minor issues near HW3, HW4, HW5 and HW6.	1/31/2014 ZA		
February 2014	Unit I looks good, no problems. Significant odors on Unit II near HW3-HW6. Minor erosion ruts forming on North face between EW62 and EW63R. Leachate stain between HW4 and HW5.	3/6/2014 ZA		
March 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6.	3/11/2014 ZA		
April 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6. No new cover issues to report.	4/9/2014 ZA		
May 2014				
June 2014				
July 2014				
August 2014				
September 2014				
October 2014				
November 2014				
December 2014				

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW13R

Site Information

Technician	Zack Arkney
Date	4/23/14
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)	47.2
Well Depth (ft)	53
Drill log Depth (ft)	
Pump Set Depth (ft)	51
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 131738
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW35

Site Information

Technician	Zack Arkney
Date	4/23/14
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)	51.8
Well Depth (ft)	89
Drill log Depth (ft)	
Pump Set Depth (ft)	65
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 274
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor. Replaced brittle/failed tri tubing.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW32R

Site Information

Technician	Zack Arkney
Date	4/23/14
Site	Green Valley
Pump Type	N/A
Pump ID	N/A
Tri-Tubing Diameter	N/A
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	N/A
Well Depth (ft)	N/A
Drill log Depth (ft)	
Pump Set Depth (ft)	N/A
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 613352
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pump silted/pinched in well. Unable to extract. Will need equipment to retrieve.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW08R

Site Information

Technician	Zack Ankney
Date	4/23/14
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)	55.2
Well Depth (ft)	62.3
Drill log Depth (ft)	
Pump Set Depth (ft)	57.8
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 66342
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW55

Site Information

Technician	Zack Ankney
Date	4/23/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3412
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	48
Well Depth (ft)	56.8
Drill log Depth (ft)	
Pump Set Depth (ft)	53.4
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 1946
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW62

Site Information

Technician	Zack Arkney
Date	4/23/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-5471
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	21.3 (Foam)
Well Depth (ft)	59
Drill log Depth (ft)	
Pump Set Depth (ft)	55
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 251
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: Toe Drain

Site Information

Technician	Zack Ankney
Date	4/23/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-9553
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	HDPE
Depth to Liquid (ft)	9.1
Well Depth (ft)	15.2
Drill log Depth (ft)	
Pump Set Depth (ft)	13.7
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 235903
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW47R

Site Information

Technician	Zack Ankney
Date	4/24/14
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)	43.7
Well Depth (ft)	56
Drill log Depth (ft)	
Pump Set Depth (ft)	46
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 221
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW61

Site Information

Technician	Zack Arkney
Date	4/24/14
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)	31.7
Well Depth (ft)	53.5
Drill log Depth (ft)	
Pump Set Depth (ft)	44.5
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 40732
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW57

Site Information

Technician	Zack Arkney
Date	4/24/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3361
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	36.4
Well Depth (ft)	47.3
Drill log Depth (ft)	
Pump Set Depth (ft)	44
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 9315
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW18R

Site Information

Technician	Zack Ankney
Date	4/24/14
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)	Dry
Well Depth (ft)	43.2
Drill log Depth (ft)	
Pump Set Depth (ft)	41
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): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Unable to test due to down compressor.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW63R

Site Information

Technician	Zack Arkney
Date	4/24/14
Site	Green Valley
Pump Type	N/A
Pump ID	N/A
Tri-Tubing Diameter	N/A
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	N/A
Well Depth (ft)	N/A
Drill log Depth (ft)	
Pump Set Depth (ft)	N/A
Pump Operational	N/A

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 276202
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 0
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pump silted/pinched in well. Unable to extract.

Parts Required for Repair/Replacement

GREEN VALLEY LANDFILL
Liquid Levels
Thru April 2014

		Enter field data in these columns								
Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation at time of Liquid Level Measurement (ft)	TOC to Ground Surface (Measured in Field) (ft)	TOC to Liquid (ft)	TOC to bottom of well or obstruction (ft)	Pump Installed?	TOC to top of Pump (ft)	Pump Cycle Count	Comments
GRNVL08R	GRNVL08R	4/23/14	875.32	4.5	55.2	62.3	Y		66342	Pulled, inspected, and cleaned pump. Unable to test due to downed compressor.
GRNVL13R	GRNVL13R	4/23/14	924.95	4	47.2	53	Y		131738	Pulled, inspected, & cleaned pump. Unable to test due to downed compressor.
GRNVL18R	GRNVL18R	4/24/14	907.43	5	43.2	43.2	Y		290	Pulled, inspected, and cleaned pump. Unable to test due to downed compressor.
GRNVL32R	GRNVL32R	4/23/14	930.92	5.5			Y		613352	Pump silted/pinched in well. Unable to extract. Will need equipment to retrieve.
GRNVLY35	GRNVLY35	4/23/14		4.5	51.8	89	Y		274	Pulled, inspected, and cleaned pump. Unable to test due to down compressor. Replaced brittle/failed tri tubing.
GRNVL47R	GRNVL47R	4/24/14	938.04	3.5	43.7	56	Y		221	Pulled, inspected, and cleaned pump. Unable to test due to down compressor.
GRNVLY55	GRNVLY55	4/23/14	957.57	4.5	48	56.8	Y		1946	Pulled, inspected, and cleaned pump. Unable to test due to downed compressor.
GRNVLY57	GRNVLY57	4/24/14	930.53	5	36.4	47.3	Y		9315	Pulled, inspected, and cleaned pump. Unable to test due to downed compressor.
GRNVLY61	GRNVLY61	4/24/14	890.94	5.5	31.7	53.5	Y		40732	Pulled, inspected, and cleaned pump. Unable to test due to downed compressor.
GRNVLY62	GRNVLY62	4/23/14	869	3.5	21.3	59	Y		251	Pulled, inspected, and cleaned pump. Unable to test due to downed compressor.
GRNVL63R	GRNVL63R	4/24/14	883	2			Y		276202	Pump silted/pinched in well. Unable to extract.
Toe Drain	Toe Drain	4/23/14			9.1	15.2	Y		235903	Pulled, inspected, and cleaned pump. Unable to test due to downed compressor.

Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley**

Monitoring Date: Wednesday, April 16, 2014 Performed By: JC Lynn

Time: 8:30:00 Expiration Date: 7/16/2014

Instrument Make/Model: Photovac Micro FiD Serial Number CZRC313

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 499.7 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 499.7 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 499.5 ppm (6)

Calculate Precision:

= **0.07** % (result must be less than +/- 10%)

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

Instrument Response Time Record

Landfill Name: **Green Valley**

Monitoring Date: Wednesday, April 16, 2014 Time: 8:30:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZRC313

Measurement #1

Stabilized Reading using calibation gas	499.7	ppm
90% of the stabilized reading =	449.73	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	499.7	ppm
90% of the stabilized reading =	449.73	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	11	seconds (2)

Measurement #3

Stabilized reading using calibration gas	499.5	ppm
90% of the stabilized reading =	449.55	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	11	seconds (3)

Calculate Response Time = 11.00 seconds (must be less than 30 seconds)

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

Performed By: JC Lynn Date: 4/16/14

Calibration Procedure and Background Report

Landfill Name: **Green Valley**

Instrument Make/Model: Photovac Micro FiD Serial Number CZRC313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 499.4 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 2.7 ppm (1)
2. Downwind reading (highest in 30 seconds) 2.3 ppm (2)

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

Background = 2.5 ppm

Performed By: JC Lynn

Date: 04/16/14 Time: 8:30:00

Quarterly Surface Monitoring Log Sheet

Landfill Name: **Green Valley**

Performed By: JC Lynn

Date: Wednesday, April 16, 2014

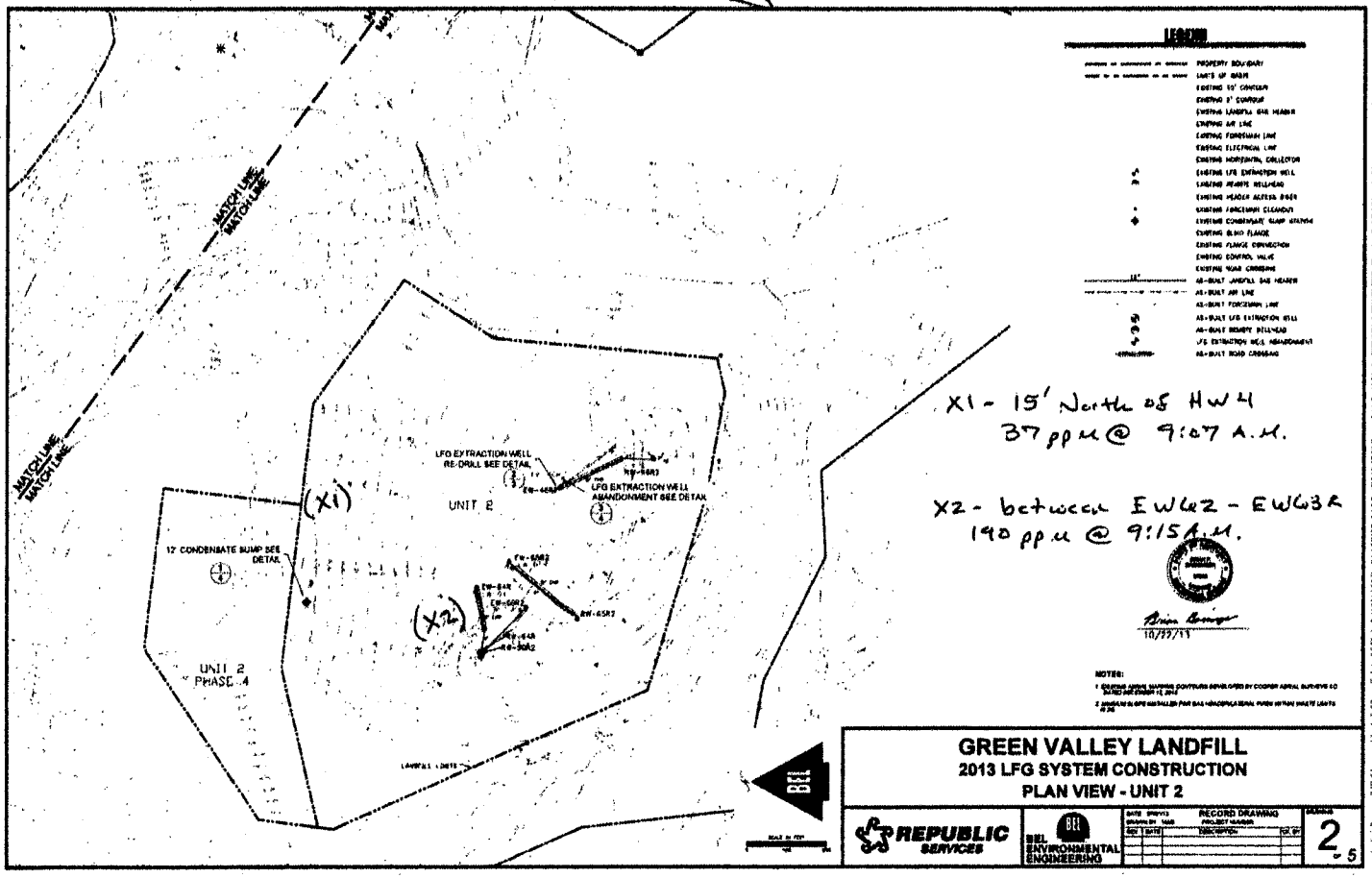
Start Time: 8:50:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit1	About 15' N of HW4 @ 9:07AM	37
Hit2	Inbetween EW62 and EW63R @ 9:15AM	190

WEATHER CONDITIONS:	
Temperature:	37 ° F
Barametric Pressure:	30 In.
Wind Speed/Direction:	10 mph N
Conditions:	CLEAR

1ST QTR SEM 30 Day Recheck
11/16/14

10 mph North wind
37° F



X1 - 15' North of HW4
37 ppm @ 9:07 A.M.

X2 - between EW4R2 - EW63R
190 ppm @ 9:15 A.M.

Brian Berger
10/29/14

Both Hits well below 500 ppm.

RECEIVED
6-24-14

Monitoring
Control and Compliance, Inc.

June 11, 2014

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

Subject: Monthly LFG Report for May 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 May 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

MAY 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the May 29, 2014 monitoring event, the gas quality at the blower inlet was 51% CH4, 32.1% CO2, 1.1% O2 and 15.8% balance gas. The applied vacuum to the wellfield was -17.9 inches of water and the flow was 600 SCFM.

Final Flare Readings

At the end of the tuning event on May 29, 2014, the gas quality going to the blower inlet was 50.8% CH4, 35.1% CO2, 1.0% O2 and 13.1% balance gas. The applied vacuum to the wellfield was -17.82 inches of water and the flow was 610 SCFM.

The flare operated for 29.2 hours with an average flow of 227 SCFM during May 2014. Flare was down from April until 5/23/14. A few repairs were done on 5/23/14, then, it was in automatic mode until the end of the month.

Table 1- 1 Control System Down Time Report

Start time	End Time	Comments
4/18 9:44	5/23 13:20	Hydraulic line failure on compressor, auto valve failure

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

Monthly Wellhead Monitoring Results

There are a total of 58 monitoring points (52 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);
- Forty-one (41) wells exceeded the 52% methane target level set forth in the site's standard Fating procedures (SOP); see attachment E.
- Fourteen (14) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Sixteen (16) 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 May 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 May 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 May 2014.

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

Extraction Well No.	Parameter	Comments
GRNV50R2	O2	Operated outside NSPS standards from 2/11/14 thru the end of May.
GRNVL47R	O2	Operated outside NSPS standards from 2/11/14 to 5/28/14. Back within standards on 5/28/14.

Collection System Operations and Maintenance

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

- Pump maintenance was performed on the following wells: 25, 27RR, 28, 7R, and 4. These reports are presented in Attachment I.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.
- The air compressor hose was repaired on May 20, 2014.
- The pneumatic positioner on the auto valve to the flare was repaired on May 23, 2014.
- A new above ground lateral line was added to GRNVL47R on May 23, 2014.

Quarterly Surface Emissions Monitoring

The second quarter scan is planned in June 11, 2014.

Perimeter Probe and Building Monitoring

The 2nd 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:

- There are several wells onsite that are set-up for pneumatic pumps yet the pumps have been removed. MCC can evaluate the well field to make recommendations of pump placements if desired.

This report contains the following appendices':

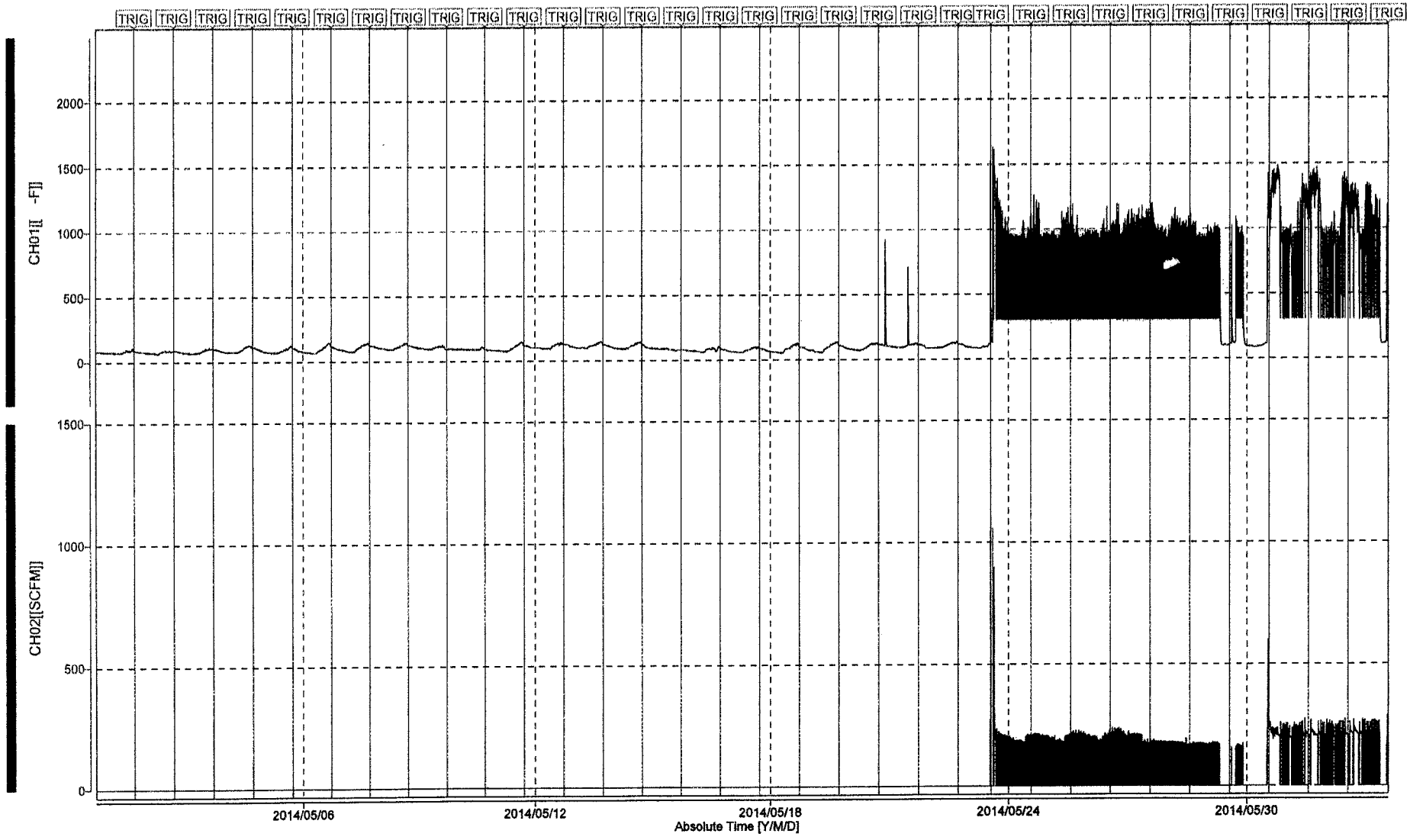
Attachment A – Flare Chart Records
Attachment B – Landfill Gas System Monitoring Data
Attachment C – Gas meter calibration records
Attachment D – O & M Form
Attachment E – Wellfield SOP summary
Attachment F– SSM Forms (if required)
Attachment G – Pump Count Table (if required)
Attachment H – Cover Integrity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

ATTACHMENT A

Flare Chart Records

File Name	: 43017364.DDS,...,60113444.DDS	Data Count	: 5911
Device Type	: FX100	Sampling Interval	: 480.000 sec
Serial No.	: S5DB05975	Start Time	: 2014/04/30 17:36:00.000
File Message	:	Stop Time	: 2014/06/02 13:36:00.000
Time Correction	: None	Trigger Time	: 2014/06/02 13:36:00.000
Starting Condition	: Auto	Trigger No.	: 5910
Dividing Condition	: Auto	Damage Check	: Not Damaged
Meas Ch.	: 5		
Math Ch.	: 4		

Printed Group : FLARE DATA
Printed Range : 2014/04/30 17:36:00.000 - 2014/06/02 13:36:00.000
Comment :



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - May 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL54R	5/29/2014 8:30	67	33	0	0	2.16	2.16	78	0	0	2.11	2nd Reading; No Repair Needed; Good
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	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
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
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
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
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
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
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
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
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
GRNVLY04	5/29/2014 13:36	23.2	22.8	6.2	47.8	-8.24	-7.85	114	25	12	-21.92	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
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
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
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
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
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
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
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
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
GRNVLY25	5/29/2014 13:24	57.1	36.6	0.1	6.2	-6.86	-7.2	106	12	7	-22.78	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
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
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
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

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	5/28/14
Meter Time:	10:45 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1348	0	-0.03
Methane	000000EE1252	50.2	49.5
Oxygen	000000EE1252	0	0.06
Oxygen	000000EE1348	4	3.94
CO2	000000EE1348	0	0
CO2	000000EE1252	35	34.49
Available (high)	NA	0	-0.39
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:	5/29/14
Meter Time:	7:35 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1348	0	0
Methane	000000EE1252	50.2	50.25
Oxygen	000000EE1252	0	-0.05
Oxygen	000000EE1348	4	4.07
CO2	000000EE1348	0	0
CO2	000000EE1252	35	35.18
Available (high)	NA	0	-0.35
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:	5/29/14
Meter Time:	12:26 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1348	0	0.04
Methane	000000EE1252	50.2	50.87
Oxygen	000000EE1252	0	0.01
Oxygen	000000EE1348	4	4
CO2	000000EE1348	0	0
CO2	000000EE1252	35	34.82
Available (high)	NA	0	-0.35
Applied (low)	NA	0	0
Applied (high)	NA	0	0
Differential (low)	NA	0	0.02
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	5/29/14
Meter Time:	2:55 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1348	0	0
Methane	000000EE1252	50.2	50.02
Oxygen	000000EE1252	0	-0.04
Oxygen	000000EE1348	4	3.95
CO2	000000EE1348	0	0
CO2	000000EE1252	35	35
Available (high)	NA	0	-0.04
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

Monitoring Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: Zack Ankney

Date: 5/30/2014

Flare Station / Skid Components

Item	Yes	No		Comments
Flare Operating in Automatic Mode	☑	☐		
Blower / flare operating properly	☐	☑		New pneumatic actuator in place.
Autodialer functioning	☐	☑		
VFD vacuum setpoint	In-W.C.		-17.82	
Motor operating properly	☑	☐		
Plant flow rate	SCFM		610	Flare Flow Rate: Not Operating
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	%		75	

Air Compressor Components

Item	Yes	No	Comments
Unit Operating in Automatic Mode	☑	☐	Hours: 8262; Temp: 189 F
Compressor Tank Drained	☑	☐	
Filters Clean	☑	☐	
Compressor Tank Pressure	PSI		103
Compressor Properly Lubricated	☑	☐	
Compressor Belts Worn	☐	☑	
Belts at Proper Tension	☑	☐	

Sumps, Pumps, and Valves

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

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

Additional Comments

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
May 2014

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV27RR	5/29/2014 13:21	53.9	GRNVLY12	5/29/2014 9:50	54.6
GRNV46R2	5/29/2014 14:27	58.7	GRNVLY16	5/29/2014 10:30	60.4
GRNVL13R	5/29/2014 10:01	55.6	GRNVLY19	5/29/2014 10:11	53.1
GRNVL26R	5/29/2014 9:43	52.2	GRNVLY21	5/29/2014 10:19	58.5
GRNVL32R	5/29/2014 13:08	54.6	GRNVLY22	5/29/2014 10:23	60
GRNVL41R	5/29/2014 14:29	60	GRNVLY23	5/29/2014 10:26	57.8
GRNVL43R	5/29/2014 9:01	61.5	GRNVLY24	5/29/2014 9:36	61.8
GRNVL44R	5/29/2014 9:04	61.9	GRNVLY25	5/29/2014 13:25	57.4
GRNVL47R	5/28/2014 11:17	55	GRNVLY28	5/29/2014 9:47	57.8
GRNVL49R	5/29/2014 14:37	62.5	GRNVLY29	5/29/2014 13:17	52.5
GRNVL52R	5/29/2014 8:33	62.7	GRNVLY30	5/29/2014 9:55	57.9
GRNVL54R	5/29/2014 8:30	66.5	GRNVLY31	5/29/2014 10:05	58.7
GRNVL63R	5/28/2014 11:02	59.8	GRNVLY36	5/29/2014 12:42	52.5
GRNVL64R	5/28/2014 11:05	61.7	GRNVLY37	5/29/2014 10:35	52.6
GRNVLHW3	5/29/2014 9:15	61	GRNVLY55	5/29/2014 14:31	60.8
GRNVLHW4	5/29/2014 9:19	61.3	GRNVLY56	5/29/2014 14:34	61.7
GRNVLHW5	5/29/2014 9:22	63.4	GRNVLY57	5/29/2014 14:40	58.9
GRNVLHW6	5/29/2014 9:25	64.7	GRNVLY58	5/29/2014 14:43	61.7
GRNVLY01	5/29/2014 13:29	53.2	GRNVLY59	5/28/2014 10:56	69
GRNVLY02	5/29/2014 13:32	54.2	GRNVLY60	5/28/2014 10:58	67.8
GRNVLY03	5/29/2014 9:32	62.2			

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV50R2	5/28/2014 11:08	46.8	GRNVLHW1	5/29/2014 9:58	30.5
GRNV65R2	5/29/2014 8:36	47.2	GRNVLHW2	5/29/2014 9:40	11.5
GRNVL08R	5/29/2014 12:47	42.5	GRNVLY04	5/29/2014 13:37	18.7
GRNVL18R	5/29/2014 12:34	46.4	GRNVLY33	5/29/2014 13:05	16.2
GRNVL38R	5/29/2014 12:56	40.7	GRNVLY35	5/29/2014 13:00	47.4
GRNVL43R	5/29/2014 14:21	40.5	GRNVLY61	5/28/2014 10:53	24.2
GRNVL44R	5/29/2014 14:25	38.5	GRNVLY7R	5/29/2014 12:52	40.7

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV27RR	5/29/2014 13:21	0	GRNVLY12	5/29/2014 9:50	0
GRNVL38R	5/29/2014 12:55	4.92	GRNVLY55	5/29/2014 8:56	0
GRNVL41R	5/29/2014 8:58	0	GRNVLY56	5/29/2014 8:52	0
GRNVL44R	5/29/2014 9:03	3.95	GRNVLY57	5/29/2014 8:44	0
GRNVL49R	5/29/2014 8:48	0	GRNVLY58	5/29/2014 14:43	0
GRNVL54R	5/29/2014 8:30	0	GRNVLY59	5/28/2014 10:56	0
GRNVL63R	5/28/2014 11:02	0	GRNVLY61	5/28/2014 10:51	4.64
GRNVL64R	5/28/2014 11:05	0	GRNVLY62	5/28/2014 11:11	0

Green Valley Landfill
Wellfield SOP Summary
May 2014

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV50R2	5/28/2014 11:08	5.5	GRNVLY04	5/29/2014 13:37	9.2
GRNV65R2	5/29/2014 8:36	4.9	GRNVLY29	5/29/2014 13:17	2.1
GRNVL43R	5/29/2014 14:21	4.9	GRNVLY35	5/29/2014 13:00	2.2
GRNVL44R	5/29/2014 14:25	4.9	GRNVLY61	5/28/2014 10:53	12.7
GRNVL47R	5/28/2014 11:17	1.5	GRNVLY62	5/28/2014 11:11	2.9
GRNVLHW1	5/29/2014 9:58	4.5	GRNVLY7R	5/29/2014 12:52	2.8
GRNVLHW2	5/29/2014 9:40	12.5			

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNV27RR	5/29/2014 13:21	126.3	GRNVL52R	5/29/2014 8:33	120.7
GRNVL10R	5/29/2014 13:12	124.9	GRNVLY35	5/29/2014 13:00	126.3
GRNVL32R	5/29/2014 13:08	129.6	GRNVLY36	5/29/2014 12:42	127.5
GRNVL38R	5/29/2014 12:56	126.6			

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	5/23/14 13:20	5/23/14 13:21	0.02	99	☑	☐
Shutdown			0.00		☐	☐
Malfunction	4/18/14 9:44	5/23/14 13:20	843.60	99	Complete section 2 Below	

Date Form Filled Out: 06/11/14 Signature: *Paul D. Flory*

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

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

Section 2 - Malfunction Events Only

Step	Corrective Action Procedures for All Malfunctions	√ Check one of the following for each step: Procedure Completed	Procedure Not Applicable
1.	Determine if landfill gas is being released to the air (can you smell landfill gas, or measure/detect gas flow?)	☑	☐
2.	If landfill gas is being released to the air, notify personnel on "Contact List".	☐	☑
3.	Determine if the malfunction is causing an unsafe operating condition (air entering landfill or piping, smoking, vibration, or other problem), which may harm people, the environment, or the landfill gas control equipment.	☑	☐
4.	If unsafe operating condition exists, or landfill gas is being released to the air, stop (if possible) landfill gas flow.	☐	☑
5.	If control device or other system component is shutdown, follow Shutdown SOP and complete Section 1 0 "Shutdown".	☑	☐
6.	Determine if other personnel/resource (qualified technician, electrician, consultant or other) are needed for malfunction diagnosis.	☑	☐
7.	If additional personnel needed, notify qualified personnel: a. Record contact name, date, and time: PM Services, John Pontious, 4/18/14 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: PM Services, John Pontious, 4/18/14 b. Contact site representative with information recorded in #10.a.	☑	☐
11.	Fix the malfunction.	☑	☐
12.	Once the malfunction is fixed, re-start the system per SOP if it had been shut down, and record start-up times and dates in boxes in Section 1 of this form.	☑	☐
13.	Record date that malfunction occurred, date that malfunction was repaired, and total time that system was out of service in boxes in Section 1 of this form.	☑	☐
14.	Sign this form and place it in the Start-up, Shutdown, Malfunction file.	☑	☐
15.	If the procedures listed above were not followed, notify personnel on "Contact List".	☐	☑

NOTES: Air compressor blew a hydraulic hose causing lack of air on auto valve

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** **5/23/14**

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)** Air compressor blew a hydraulic hose causing lack of air on auto valve

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							
DL-8	1783	1783	2279	2547	Removed							
CK-1	473512	485094	493941	501182	509500							
CK-2	209528	211751	213923	216505	220464							
CK-3	927685	942218	960371	985386	271							
CK-4	31673	39189	56246	73570	78598							
CK-H	283730	361537	605581	907606	952395							
Toe Drain	704959	845894	919151	236903	307712							
GRNVLY04	716033	774517	882520	920916	982868							
GRNVLY7R	812913	865126	899584	918321	966928							
GRNVL08R	63063	63888	64947	66342	66933							
GRNVL10R	604	604	608	608	608							
GRNVL13R	123056	126584	129428	131738	134467							
GRNVL18R		288	288	290	290							
GRNVLY21	64	64	66	66	66							
GRNVLY23		Counter needed	Counter needed	Counter needed	204							
GRNVLY25	155354	158401	164924	167454	170933							
GRNVL26R	149753	152018	153637	153637	155993							
GRNV27RR	10712	10712	10712	10712	10717							
GRNVLY28	54939	60430	61743	61749	63120							
GRNVLY29	105929	106851	108806	109583	Missed							
GRNVL32R		388317	613352	613352	613352							
GRNVLY35	273	273	273	274	274							
GRNVL38R	24808	24947	24947	24947	24947							
GRNVL41R	98675	98711	98719	98721	Missed							
GRNVL43R	369256	369256	9458	Removed	Removed							
GRNVL44R					98726							
GRNVL47R				221	Missed							
GRNVL52R	41479	58747	70281	73170	77799							
GRNVL54R	458059	458061	458061	458061	458061							
GRNVLY55	1944	1945	1945	1945	1947							
GRNVLY56	51769	52333	52333	52333	52333							
GRNVLY57	7832	8393	8923	9315	9629							
GRNVLY58	264	288	288	288	288							
GRNVLY61	21328	21328	23024	40782	46139							
GRNVLY62	251	251	251	251	Removed							
GRNVL63R	276200	276202	276202	276202	Removed							

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan

Monitoring Control and Compliance, Inc.

LANDFILL: Green Valley - 2014

Month	Cover Integrity problems found during the Inspection	Date Site Notified MCC/Republic Initials	Date Repairs Made Republic Initials	Site Remediation
January 2014	Revised 2/18/14. Unit I cover is intact with very minor issues near HW01. Unit II cover is intact with minor issues near HW3, HW4, HW5 and HW6.	1/31/2014 ZA		
February 2014	Unit I looks good, no problems. Significant odors on Unit II near HW3-HW6. Minor erosion ruts forming on North face between EW62 and EW63R. Leachate stain between HW4 and HW5.	3/6/2014 ZA		
March 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6.	3/11/2014 ZA		
April 2014	Leachate seeps on Unit I near EW17R2. Leachate seeps on Unit II between HW4 and HW5 and between EW62 and EW63. Erosion ruts on Unit I between EW17R2 and EW36. Erosion ruts on Unit II between HW3 and HW4. Significant odors at toe of slope beneath HW3 - HW6. No new cover issues to report.	4/9/2014 ZA		
May 2014	Leachate seep and distressed vegetation on Unit I near EW17R2. Leachate seep on Unit II between HW4 and HW5 has been repaired. Seep between EW62 and EW63 still exists. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R.	5/30/2014 ZA		
June 2014				
July 2014				
August 2014				
September 2014				
October 2014				
November 2014				
December 2014				

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW04

Site Information

Technician	Zack Ankney
Date	5/28/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3409
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	66.1
Well Depth (ft)	74.8
Drill log Depth (ft)	
Pump Set Depth (ft)	70.8
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 978822
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 82
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW7R

Site Information

Technician	Zack Ankney
Date	5/28/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-5476
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	71.7
Well Depth (ft)	79.5
Drill log Depth (ft)	
Pump Set Depth (ft)	78
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 964076
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 86
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW28

Site Information

Technician	Zack Ankney
Date	5/28/14
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)	52.6
Well Depth (ft)	64.8
Drill log Depth (ft)	
Pump Set Depth (ft)	59.5
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 61749
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled and exchanged pump. Pump now cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW25

Site Information

Technician	Zack Ankney
Date	5/28/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1347
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	72.3
Well Depth (ft)	85.5
Drill log Depth (ft)	
Pump Set Depth (ft)	83
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 170840
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 83
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Pump sitting on bottom of well. Shortened set depth by 2'.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 27RR

Site Information

Technician	Zack Arkney
Date	5/28/14
Site	Green Valley
Pump Type	N/A
Pump ID	N/A
Tri-Tubing Diameter	N/A
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	79.5
Well Depth (ft)	110.4
Drill log Depth (ft)	
Pump Set Depth (ft)	N/A
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 10712
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pump silted/pinched in well. Unable to extract. Will need equipment to attempt recovery.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW04

Site Information

Technician	Zack Ankney
Date	5/28/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3409
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	66.1
Well Depth (ft)	74.8
Drill log Depth (ft)	
Pump Set Depth (ft)	70.8
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 978822
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 82
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW7R

Site Information

Technician	Zack Ankney
Date	5/28/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-5476
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	71.7
Well Depth (ft)	79.5
Drill log Depth (ft)	
Pump Set Depth (ft)	78
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 964076
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 86
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW28

Site Information

Technician	Zack Arkney
Date	5/28/14
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)	52.6
Well Depth (ft)	64.8
Drill log Depth (ft)	
Pump Set Depth (ft)	59.5
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 61749
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled and exchanged pump. Pump now cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW25

Site Information

Technician	Zack Arkney
Date	5/28/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1347
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	72.3
Well Depth (ft)	85.5
Drill log Depth (ft)	
Pump Set Depth (ft)	83
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 170840
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 83
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Pump sitting on bottom of well. Shortened set depth by 2'.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 27RR

Site Information

Technician	Zack Ankney
Date	5/28/14
Site	Green Valley
Pump Type	N/A
Pump ID	N/A
Tri-Tubing Diameter	N/A
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	79.5
Well Depth (ft)	110.4
Drill log Depth (ft)	
Pump Set Depth (ft)	N/A
Pump Operational	No

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 10712
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pump silted/pinched in well. Unable to extract. Will need equipment to attempt recovery.

Parts Required for Repair/Replacement

LFG Extraction Well Liquid Levels RSI Template Version: 1.0

Site Name: **Green Valley** No. of Pumps Installed: 22

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation at time of Liquid Level Measurement (ft)	TOC to Ground Surface (Measured in Field) (ft)	TOC to Liquid (ft)	TOC to bottom of well or obstruction (ft)	Pump Installed?	TOC to top of Pump (ft)	Pump Cycle Count	Comments
GRNVLY7R	GRNVLY7R	5/28/14	906.86	5	71.7	79.5	Y		964076	Pulled, inspected, and cleaned pump. Cycling properly.
GRNVLY25	GRNVLY25	5/28/14		6	72.3	85.5	Y		170840	Pulled, inspected, and cleaned pump. Pump sitting on bottom of well. Shortened set depth by 2'.
GRNV27RR	GRNV27RR	5/28/14	946.6	5.5	79.5	110.4	Y		10712	Pump silted/pinched in well. Unable to extract. Will need equipment to attempt recovery.
GRNVLY28	GRNVLY28	5/28/14		6	52.6	64.8	Y		61749	Pulled and exchanged pump. Pump now cycling properly.
GRNVLY04	GRNVLY04	5/28/14		4.5	66.1	74.8	Y		978822	Pulled, inspected, and cleaned pump. Cycling properly.

Monitoring Control and Compliance, Inc.

July 7, 2014

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

Subject: Monthly LFG Report for June 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 June 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

JUNE 2014 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the June 9, 2014 monitoring event, the gas quality at the blower inlet was 47.9% CH4, 32.0% CO2, 1.4% O2 and 18.7% balance gas. The applied vacuum to the wellfield was -14.58 inches of water and the flow was 600 SCFM.

Final Flare Readings

At the end of the tuning event on June 24, 2014, the gas quality going to the blower inlet was 49.6% CH4, 34.9% CO2, 0.8% O2 and 14.7% balance gas. The applied vacuum to the wellfield was -21.61 inches of water and the flow was 830 SCFM.

Table 1- 1 Control System Down Time Report

Start time	End Time	Comments
6/10/14 9:53 PM	6/10/14 11:13 PM	Loss of Power
6/12/14 9:38 AM	6/12/14 10:37 AM	System Maintenance
6/12/14 7:30 PM	6/12/14 8:51 PM	Auto Valve Failure

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.

- One (1) well exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Eighteen (18) wells exceeded the 58% methane target level set forth in the site's standard Fating procedures (SOP); see attachment E.
- Twenty-four (24) wells exceeded the 52% methane target level set forth in the site's standard Fating procedures (SOP); see attachment E.
- Twenty-one (21) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Twelve (12) 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 June 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 June 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 June 2014.

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

Extraction Well No.	Parameter	Comments
GRNV50R2	O2	Operated outside NSPS standards from 2/11/14 thru 6/9/14.

Collection System Operations and Maintenance

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

- The following wells were activated during the month of June:
  - GRNVLPW1
  - GRNVLPW2
  - GRNVLHW7
  - GRNVLHW8
  - GRNV50R3
  - GRNV64R2
  - GRNVL59R
  - GRNVL60R
- The following wells were decommissioned during the month of June:
  - GRNV50R2
  - GRNVL64R
  - GRNVLY59
  - GRNVLY60
- Pump maintenance was performed on the following wells: EW56, EW52R, EW54R, EW58, EW55, EW57, and EW61. These reports are presented in Attachment I.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.
- The new tank tie-in has relieved FM pressure on Unit II. We should now be able to remove a good amount of liquid from the wells and bump flow, provided the work needed on several wells are accomplished.
- A desiccant dryer was installed on the air compressor.

Quarterly Surface Emissions Monitoring

The second quarter initials SEM was performed on June 11, 2014. Six areas were greater than the surface methane operational standard. On June 19, 2014, the 10-day rechecks were completed with all six areas less than the surface methane operational standard. SEM reports are presented in Attachment I.

Perimeter Probe and Building Monitoring

The 2nd quarter 2014 perimeter probe and on-site structure monitoring was completed on June 11, 2014. The storage shed has been removed. All probes need a cap and lock. The reports can be read in Attachment I.

Recommendations

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

- There are several wells onsite that are set-up for pneumatic pumps yet the pumps have been removed. MCC is evaluating pump placement.

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
(No charts available)

ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - June 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	6/9/2014 13:21	53.7	37.4	0	8.9	-0.91	-0.9	125	0	0	-17.69	No Change; No Repair Needed; Good; 10717
EW-27RR	6/24/2014 12:06	52.6	37.3	0	10.1	-0.86	-0.82	124	0	0	-17.3	No Change; No Repair Needed; Good; 10717
EW-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
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
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
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
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
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
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
GRNVL10R	6/9/2014 13:13	51.7	36.3	0.5	11.5	-1.66	-1.63	125	15	15	-17	No Change; No Repair Needed; Good; 608
GRNVL10R	6/24/2014 11:59	53.5	35.8	0.5	10.2	-1.23	-1.29	125	30	29	-12.47	No Change; No Repair Needed; Good; 608
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
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

Green Valley Landfill
Wellfield Monitoring Data - June 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVL18R	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
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
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
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
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
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
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
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
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
GRNVL52R	6/9/2014 10:32	64.6	34	0	1.4	-19.28	-19.24	124	14	15	-20.58	No Change; No Repair Needed; Good
GRNVL52R	6/24/2014 8:09	65.1	34.5	0	0.4	-13.11	-13.11	121	6	11	-13.93	No Change; No Repair Needed; Good; 77799
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

Green Valley Landfill
Wellfield Monitoring Data - June 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
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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - June 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	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
GRNVLHW7	6/9/2014 9:54	22.2	20.3	11.6	45.9	-7.89	-0.26	89	170	36	-17.47	Slightly Closed; No Repair Needed; Fair
GRNVLHW7	6/9/2014 9:55	30.5	24.3	8.2	37	-0.25	-0.23	90	36	31	-21.23	2nd Reading; No Repair Needed; Fair
GRNVLHW7	6/9/2014 13:47	55.7	37.6	0.6	6.1	-0.27	-0.24	90	36	31	-21.18	No Change; No Repair Needed; Good
GRNVLHW7	6/24/2014 7:21	59	39.7	0	1.3	-0.31	-0.5	90	44	51	-20.84	Slightly Open; No Repair Needed; Good
GRNVLHW7	6/24/2014 7:22	59.3	39.6	0	1.1	-0.49	-0.49	90	46	51	-21.27	2nd Reading; No Repair Needed; Good
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - June 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	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
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
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
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
GRNVLY20	6/9/2014 12:25	46.1	36.3	0	17.6	-6.82	-6.13	110	49	45	-14.88	Slightly Closed; No Repair Needed; Good
GRNVLY20	6/9/2014 12:26	46.4	35.5	0	18.1	-6.13	-6.13	110	40	42	-14.71	2nd Reading; No Repair Needed; Good
GRNVLY20	6/24/2014 10:00	51.7	35.7	0	12.6	-3.79	-3.66	109	38	35	-12.77	No Change; No Repair Needed; Good
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - June 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLY29	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
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
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
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
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
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
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
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
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
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
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

Green Valley Landfill
Wellfield Monitoring Data - June 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	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
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
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
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
GRNVLYP1	6/11/2014 13:05	0	1	20.2	78.8	0						No Change; No Repair Needed; Good
GRNVLYP2	6/11/2014 12:52	0	0.5	20.5	79	0						No Change; No Repair Needed; Good
GRNVLYP3	6/11/2014 12:40	0	0	20.8	79.2	0						No Change; No Repair Needed; Good
GRNVLYP4	6/11/2014 13:00	0	0	20.7	79.3	0						No Change; No Repair Needed; Good
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
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
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
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
GRNVLBIN	6/9/2014 8:37	47.9	32	1.4	18.7	-14.58	-14.8	75	600	600	0.3	No Change; No Repair Needed; Good
GRNVLBIN	6/9/2014 14:55	50.7	34.2	0.9	14.2	-21.05	-21.05	76	795	795	0	No Change; No Repair Needed; Good
GRNVLBIN	6/24/2014 7:02	49.5	33.3	0.9	16.3	-14.84	-14.84	80	600	600	0.04	No Change; No Repair Needed; Good
GRNVLBIN	6/24/2014 13:03	49.6	34.9	0.8	14.7	-21.61	-21.1	81	830	830	0.04	No Change; No Repair Needed; Good
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

Green Valley Landfill
Wellfield Monitoring Data - June 2014

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Init Static Press (H2O inch)	Adj Static Press (H2O inch)	Init Temp (deg F)	Init Flow (scfm)	Adj Flow (scfm)	System Press (H2O inch)	Comments
GRNVLBOT	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

Total Number of Wells	58
Total Number of Well Readings	58
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	21
Number of Wells With Methane > 52%	24
Number of Wells With Methane > 58%	18
Number of Wells With Oxygen > 1%	15
Number of Wells With Temperature > 120°F	6
Number of Wells With Flow < 5 SCFM	12

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	6/9/14
Meter Time:	8:33 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1351	0	-0.03
Methane	000000EE1413	50.2	49.69
Oxygen	000000EE1413	0	0.09
Oxygen	000000EE1351	4	4
CO2	000000EE1351	0	0
CO2	000000EE1413	35	35
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	6/9/14
Meter Time:	11:51 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1351	0	0.04
Methane	000000EE1413	50.2	50.6
Oxygen	000000EE1413	0	-0.04
Oxygen	000000EE1351	4	3.96
CO2	000000EE1351	0	0
CO2	000000EE1413	35	35
Available (high)	NA	0	-0.09
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	6/9/14
Meter Time:	2:51 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1351	0	0.04
Methane	000000EE1413	50.2	50.25
Oxygen	000000EE1413	0	-0.02
Oxygen	000000EE1351	4	4
CO2	000000EE1351	0	0
CO2	000000EE1413	35	35
Available (high)	NA	0	-0.04
Applied (low)	NA	0	0
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:	6/11/14
Meter Time:	12:17 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1351	0	-0.04
Methane		15	14.87
Oxygen	000000EE1413	0	0.06
Oxygen		20.9	19.43
CO2	000000EE1351	0	0
CO2		15	15.56
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	6/24/14
Meter Time:	6:58 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1351	0	-0.04
Methane	000000EE1413	50.2	49.23
Oxygen	000000EE1413	0	0.03
Oxygen	000000EE1351	4	3.99
CO2	000000EE1351	0	0
CO2	000000EE1413	35	34.5
Available (high)	NA	0	0
Applied (low)	NA	0	0
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:	6/24/14
Meter Time:	11:50 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1351	0	0.09
Methane	000000EE1413	50.2	50.57
Oxygen	000000EE1413	0	-0.05
Oxygen	000000EE1351	4	4.04
CO2	000000EE1351	0	0
CO2	000000EE1413	35	35
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	0.02

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	6/24/14
Meter Time:	12:52 PM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE1383	0	-0.06
Methane	000000EE1413	50.2	50.34
Oxygen	000000EE1413	0	-0.01
Oxygen	000000EE1383	4	4.01
CO2	000000EE1383	0	0
CO2	000000EE1413	35	35.51
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

ATTACHMENT D

O & M Report

Monitoring Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: Zack Ankney

Date: 6/9/2014

Flare Station / Skid Components

Item	Yes	No		Comments
Flare Operating in Automatic Mode	☑	☐		
Blower / flare operating properly	☐	☑		New pneumatic actuator in place.
Autodialer functioning	☐	☑		
VFD vacuum setpoint	In-W.C.		-21.05	
Motor operating properly	☑	☐		
Plant flow rate	SCFM		560	Flare Flow Rate: 235
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	%		75	

Air Compressor Components

Item	Yes	No	Comments
Unit Operating in Automatic Mode	☑	☐	Hours: 8562; Temp: 189 F
Compressor Tank Drained	☑	☐	
Filters Clean	☑	☐	
Compressor Tank Pressure	PSI		101
Compressor Properly Lubricated	☑	☐	
Compressor Belts Worn	☐	☑	
Belts at Proper Tension	☑	☐	

Sumps, Pumps, and Valves

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

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

Additional Comments

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
June 2014

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV46R2	6/24/2014 8:48	60	GRNVLHW6	6/9/2014 14:04	60.7
GRNV64R2	6/24/2014 7:42	59.2	GRNVLHW7	6/24/2014 7:22	59.3
GRNVL47R	6/24/2014 8:23	61.4	GRNVLPW2	6/24/2014 7:25	59.9
GRNVL49R	6/24/2014 8:20	62.2	GRNVLY03	6/24/2014 8:58	60.5
GRNVL52R	6/24/2014 8:09	65.1	GRNVLY31	6/24/2014 9:22	59
GRNVL59R	6/24/2014 7:49	65.2	GRNVLY55	6/24/2014 8:29	62.1
GRNVL60R	6/24/2014 7:51	60.8	GRNVLY56	6/24/2014 8:26	62.8
GRNVL63R	6/24/2014 7:39	63.4	GRNVLY61	6/24/2014 8:01	72.8
GRNVLHW3	6/24/2014 7:18	62	GRNVL54R	6/24/2014 8:06	58.6

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV27RR	6/24/2014 12:06	52.6	GRNVLY12	6/24/2014 9:12	52.1
GRNV50R3	6/24/2014 8:03	52.9	GRNVLY16	6/9/2014 12:37	53.4
GRNV65R2	6/24/2014 7:46	57.2	GRNVLY21	6/24/2014 10:03	56.2
GRNVL10R	6/24/2014 11:59	53.5	GRNVLY22	6/24/2014 10:06	54.9
GRNVL13R	6/9/2014 12:15	53.1	GRNVLY24	6/9/2014 11:58	53.2
GRNVL32R	6/24/2014 11:56	52.9	GRNVLY25	6/9/2014 13:24	52.7
GRNVL38R	6/24/2014 10:32	55.7	GRNVLY28	6/24/2014 9:10	56.5
GRNVL43R	6/24/2014 8:36	55.1	GRNVLY29	6/24/2014 12:03	57.7
GRNVLHW4	6/24/2014 7:28	56.9	GRNVLY30	6/24/2014 9:15	52.2
GRNVLHW8	6/24/2014 7:32	56.8	GRNVLY57	6/9/2014 10:39	53
GRNVLPW1	6/24/2014 7:14	56.8	GRNVLY58	6/24/2014 8:14	55
GRNVLY02	6/24/2014 12:15	53.4	GRNVLY62	6/24/2014 7:57	55.5

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNVL08R	6/24/2014 10:25	46.7	GRNVLHW7	6/9/2014 9:55	30.5
GRNVL18R	6/9/2014 13:06	44.8	GRNVLY04	6/24/2014 12:21	25
GRNVL41R	6/24/2014 8:33	45.7	GRNVLY20	6/9/2014 12:26	46.4
GRNVL43R	6/9/2014 14:13	40.8	GRNVLY23	6/24/2014 10:10	47.6
GRNVL44R	6/24/2014 8:46	41.2	GRNVLY33	6/24/2014 10:41	19.7
GRNVLHW1	6/24/2014 9:17	27.9	GRNVLY35	6/24/2014 10:36	46.2
GRNVLHW2	6/24/2014 9:03	38.7	GRNVLY37	6/9/2014 12:41	47.4
GRNVLHW3	6/9/2014 13:45	34.7	GRNVLY57	6/24/2014 8:18	45.7
GRNVLHW4	6/9/2014 10:05	32.4	GRNVLY62	6/9/2014 10:22	47.4
GRNVLHW5	6/24/2014 12:29	42.1	GRNVLY7R	6/24/2014 10:30	39.5
GRNVLHW6	6/24/2014 12:32	41.8			

Green Valley Landfill
Wellfield SOP Summary
June 2014

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNV27RR	6/24/2014 12:06	0	GRNVLY12	6/24/2014 9:12	0
GRNVL43R	6/24/2014 8:36	0	GRNVLY29	6/24/2014 12:02	4.58
GRNVL44R	6/24/2014 8:46	1.03	GRNVLY31	6/24/2014 9:22	0
GRNVL47R	6/24/2014 8:23	0	GRNVLY33	6/9/2014 13:02	4.72
GRNVLHW4	6/9/2014 10:03	4.68	GRNVLY58	6/24/2014 8:14	0
GRNVLY04	6/9/2014 13:35	0	GRNVLY7R	6/24/2014 10:29	2.97

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNVL43R	6/9/2014 14:13	4.7	GRNVLHW7	6/9/2014 9:55	8.2
GRNVL44R	6/24/2014 8:46	4.9	GRNVLY04	6/24/2014 12:21	4.9
GRNVLHW1	6/24/2014 9:17	1.7	GRNVLY29	6/9/2014 13:18	1.8
GRNVLHW2	6/24/2014 9:03	4.5	GRNVLY33	6/24/2014 10:41	3.3
GRNVLHW3	6/9/2014 13:45	6.3	GRNVLY35	6/24/2014 10:36	1.6
GRNVLHW4	6/9/2014 10:05	5.6	GRNVLY62	6/24/2014 7:57	1.2
GRNVLHW5	6/24/2014 12:29	4.2	GRNVLY7R	6/24/2014 10:30	3.3
GRNVLHW6	6/24/2014 12:32	3.8			

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNV27RR	6/24/2014 12:06	124.1	GRNVL52R	6/24/2014 8:09	121
GRNVL10R	6/24/2014 11:59	125.9	GRNVLY35	6/24/2014 10:35	121.2
GRNVL32R	6/24/2014 11:56	129	GRNVLY36	6/24/2014 10:22	128.4

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVLPW1

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/9/14 8:55	6/9/14 8:58	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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: *Startup of gas well after construction.*

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNV64R2

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/9/14 9:17	6/9/14 9:20	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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: Startup of gas well after construction.

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVLHW7

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/9/14 9:54	6/9/14 9:57	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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: *Startup of gas well after construction.*

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVLPW2

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/9/14 9:59	6/9/14 10:02	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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: *Startup of gas well after construction.*

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVLHW8

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/9/14 10:08	6/9/14 10:11	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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: Startup of gas well after construction.

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVL59R

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/9/14 10:15	6/9/14 10:18	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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: Startup of gas well after construction.

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVL60R

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/9/14 10:17	6/9/14 10:20	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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: *Startup of gas well after construction.*

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNV50R3

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/9/14 10:25	6/9/14 10:28	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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: *Startup of gas well after construction.*

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNV50R2

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup			0.00		☐	☐
Shutdown	6/9/14 10:20	6/9/14 10:23	0.05	6	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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 gas well after construction.

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVL64R

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup			0.00		☐	☐
Shutdown	6/9/14 9:15	6/9/14 9:18	0.05	6	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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 gas well after construction.*

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVLY59

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup			0.00		☐	☐
Shutdown	6/9/14 10:10	6/9/14 10:13	0.05	6	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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 gas well after construction.

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNVLY60

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup			0.00		☐	☐
Shutdown	6/9/14 10:14	6/9/14 10:17	0.05	6	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 06/09/14 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 gas well after construction.

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/10/14 23:13	6/10/14 23:14	0.02	16	☑	☐
Shutdown			0.00		☐	☐
Malfunction	6/10/14 21:53	6/10/14 23:13	1.33	16	Complete section 2 Below	

Date Form Filled Out: 07/03/14 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 loss due to storm

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/12/12 10:37	6/12/12 10:38	0.02	1	☑	☐
Shutdown	6/12/12 9:38	6/12/12 9:39	0.02	1	☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 07/03/14 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 install desiccant dryer.*

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

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** Flare

Section 1 - All Events

Type of Event	Military Time Date/Time Start	Military Time Date/Time End	Duration Hours/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	6/12/14 20:50	6/12/14 20:51	0.02	13	☑	☐
Shutdown			0.00		☐	☐
Malfunction	6/12/14 19:30	6/12/14 20:50	1.33	13	Complete section 2 Below	

Date Form Filled Out: 07/03/14 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: Compressor shut down causing autovalve 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)

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						
DL-8	1783	1783	2279	2547	Removed	Removed						
CK-1	473512	485094	493941	501182	509500	513,532						
CK-2	209528	211751	213923	216505	220464	222473						
CK-3	927685	942218	960371	985386	271	9228						
CK-4	31673	39189	56246	73570	78598	82496						
CK-H	283730	361537	605581	907606	952395	956256						
Toe Drain	704959	845894	919151	23590	307712	343,274						
GRNVLY04	716033	774517	882520	920916	982868	53123						
GRNVLY7R	812913	865126	899584	918321	966928	7685						
GRNVL08R	63063	63888	64947	66342	66933	67675						
GRNVL10R	604	604	608	608	608	608						
GRNVL13R	123056	126584	129428	131734	134467	137791						
GRNVL18R		288	288	290	290	290						
GRNVLY21	64	64	66	66	66	66						
GRNVLY23		Counter needed	Counter needed	Counter needed	204	204						
GRNVLY25	155354	158401	164924	167454	170933	175788						
GRNVL26R	149753	152018	153637	153637	155993	156909						
GRNV27RR	10712	10712	10712	10712	10717	10717						
GRNVLY28	54939	60430	61743	61749	63120	63126						
GRNVLY29	105929	108951	108806	109583	Missed	110598						
GRNVL32R		388317	613352	613352	613352	613352						
GRNVLY35	273	273	273	274	274	274						
GRNVL38R	24808	24947	24947	24947	24947	24947						
GRNVL41R	98675	98711	98719	98721	Missed	98730						
GRNVL43R	369256	369256	9458	Removed	Removed	Removed						
GRNVL44R					98726	Removed						
GRNVL47R				221	Missed	225						
GRNVL52R	41479	58747	70281	73170	77799	77799						
GRNVL54R	458059	458061	458061	458061	458061	458061						
GRNVLY55	1944	1945	1945	1943	1947	1947						
GRNVLY56	51769	52333	52333	52333	52333	52549						
GRNVLY57	7832	8393	8923	9315	9629	9816						
GRNVLY58	264	288	288	288	288	291						
GRNVLY61	21328	21328	23024	40732	46139	46144						
GRNVLY62	251	251	251	251	Removed	Removed						
GRNVL63R	276200	276202	276202	276202	Removed	Removed						

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan

Monitoring Control and Compliance, Inc.

LANDFILL: Green Valley - 2014

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

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW56

Site Information

Technician	Zack Ankney
Date	6/23/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N 4-3362
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	38.1
Well Depth (ft)	52
Drill log Depth (ft)	
Pump Set Depth (ft)	44.2
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 52429
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pump cycle labored due to back pressure on forcemain. New line has relieved restriction. 2" line coming from well leaking. Will need exposed and rewelded.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW52R

Site Information

Technician	Zack Ankney
Date	6/23/14
Site	Green Valley
Pump Type	N/A
Pump ID	N/A
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	N/A
Well Depth (ft)	N/A
Drill log Depth (ft)	
Pump Set Depth (ft)	N/A
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 77799
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

Task	OK	Needs Service	Comments
Perform Flow Rate Inspection (Properly Dispose of Liquid)			Results (GPM):
Inspect Fluid Inlet Screen			
Disassemble pump and inspect for corrosion or buildup			
Disassemble Inlet Check Valve and Inspect			
Disassemble outlet Check Valve and Inspect			
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			
Inspect lever Pivot wear (should be less than 1/32 movement)			

Comments:

Unable to extract pump from well. Pump comes out of well approximately 10 feet and hits restriction. May require equipment to remove. Pump cycle labored due to back pressure on forcemain. New forcemain stickup in place after construction. Will need transition fittings and tied into new line.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW54R

Site Information

Technician	Zack Ankney
Date	6/23/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N 4-3358
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	31.6
Well Depth (ft)	67.3
Drill log Depth (ft)	
Pump Set Depth (ft)	63.5
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 458061
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator		x	Setpoint (psi): 80
Regulator Particulat Filter		x	
Condensation Trap		x	
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled and inspected pump. Regulator fouled. Will not pass air. Will require new regulator for proper function.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW58

Site Information

Technician	Zack Ankney
Date	6/23/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N 4-9556
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	48.1
Well Depth (ft)	50
Drill log Depth (ft)	
Pump Set Depth (ft)	46.1
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 291
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled and inspected pump. Pump operational. Pumped down.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW55

Site Information

Technician	Zack Ankney
Date	6/23/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3412
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	51.5
Well Depth (ft)	57
Drill log Depth (ft)	
Pump Set Depth (ft)	53.4
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 1956
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled and inspected pump. Pump operational. Pumped down.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW57

Site Information

Technician	Zack Ankney
Date	6/23/14
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3361
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	43.6
Well Depth (ft)	47.3
Drill log Depth (ft)	
Pump Set Depth (ft)	44
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 9914
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled and inspected pump. Pump operational. Pumped down.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW61

Site Information

Technician	Zack Ankney
Date	6/23/14
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
Well Depth (ft)	53
Drill log Depth (ft)	
Pump Set Depth (ft)	44.5
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 46144
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 80
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Heavy buildup on shaft caused float to hang. Cleaned and reinstalled. Pump cycling properly.

Parts Required for Repair/Replacement

LFG Extraction Well Liquid Levels

Site Name: **Green Valley**

Div #: #N/A

		Enter field data in these columns								
Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation **at time of Liquid Level Measurement** (ft)	TOC to Ground Surface **(Measured in Field)** (ft)	TOC to Liquid (ft)	TOC to bottom of well or obstruction (ft)	Pump Installed?	TOC to top of Pump (ft)	Pump Cycle Count	Comments
GRNV50R3	GRNV50R3	6/23/14			46.3	52	N			
GRNVL52R	GRNVL52R	6/23/14		3.5			N		77799	Unable to extract pump from well. Pump comes out of well approximately 10' and hits restriction. May require equipment to remove. Pump cycle labored due to back pressure on FM. New FM stickup in place after construction. Will need transition fittings and tied into new line.
GRNVLY55	GRNVLY55	6/23/14	957.57	4.5	51.5	57	Y		1956	Pulled/inspected pump. Pump operational. Pumped down.
GRNVLY56	GRNVLY56	6/23/14	948.38	3.5	38.1	52	N		52429	Pump cycle labored due to back pressure on FM. New line has relived restriction. 2" line coming from well leaking. Will need exposed and rewelded.
GRNVLY57	GRNVLY57	6/23/14	930.53	5	43.6	47.3	Y		9914	Pulled/inspected pump. Pump operational. Pumped down.
GRNVLY58	GRNVLY58	6/23/14	910.19	4	48.1	50	Y		291	Pulled/inspected pump. Pump operational. Pumped down.
GRNVL59R	GRNVL59R	6/23/14			40.3	76.2	N			Good candidate for pump, needs transition fittings welded.
GRNVLY61	GRNVLY61	6/23/14	890.94	5.5	30	53	Y		46144	Heavy buildup on shaft caused float to hang. Cleaned and reinstalled. Pump cycling properly.
GRNV64R2	GRNV64R2	6/23/14			32.2	65.8	N			Good candidate for pump, needs transition fittings welded.
GRNVL54R	GRNVL54R	6/23/14		4	31.6	67.3	N		458061	Pulled and inspected pump. Regulator fouled. Will not pass air. Will require new regulator for proper function.
GRNVLPW2	GRNVLPW2	6/23/14			5.5	45	N			Foam in well prevented accurate liquid level, good candidate for pump, needs transition fittings welded.
GRNVLPW1	GRNVLPW1	6/23/14			20	35	N			Possible candidate for pump.

Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley 2nd Quarter Initial**

Monitoring Date: Wednesday, June 11, 2014 Performed By: Zack Ankney

Time: 7:10:00 Expiration Date: 9/11/2014

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: 500.1 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 499.6 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 499.3 ppm (6)

Calcuate Precision:

= **0.07** % (result must be less than +/- 10%)

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

Instrument Response Time Record

Landfill Name: **Green Valley 2nd Quarter Initial**

Monitoring Date: Wednesday, June 11, 2014 Time: 7:10:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas 500.1 ppm

90% of the stabilized reading = 450.09 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 8 seconds (1)

Measurement #2

Stabilized reading using calibration gas 499.6 ppm

90% of the stabilized reading = 449.64 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 8 seconds (2)

Measurement #3

Stabilized reading using calibration gas 499.3 ppm

90% of the stabilized reading = 449.37 pppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 9 seconds (3)

Calculate Response Time = 8.33 seconds (must be less than 30 seconds)

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

Performed By: Zack Ankney Date: 6/11/14

Calibration Procedure and Backround Report

Landfill Name: **Green Valley 2nd Quarter Initial**

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 499.9 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 3.6 ppm (1)
2. Downwind reading (highest in 30 seconds) 4.5 ppm (2)

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

Background = 4.05 ppm

Performed By: Zack Ankney

Date: 06/11/14 Time: 7:10:00

Daily Surface Monitoring Log Sheet

Landfill Name: **Green Valley 2nd Quarter Initial**

Performed By: Zack Ankney

Date: Wednesday, June 11, 2014

Start Time: 7:20:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	50 yds NE of PW2 @ 0735	2433
Hit 2	30 yds N of 18" Riser @ 0741	762
Hit 3	70 yds N of HOZ3 @ 0755	963
Hit 4	30 yds E of 49R@ 0802	843
Hit 5	20 yds E of 63R @ 0811	1145
Hit 6	10 yds NW of HW8 @ 0827	777

Weather Conditions

Temp: 75 F

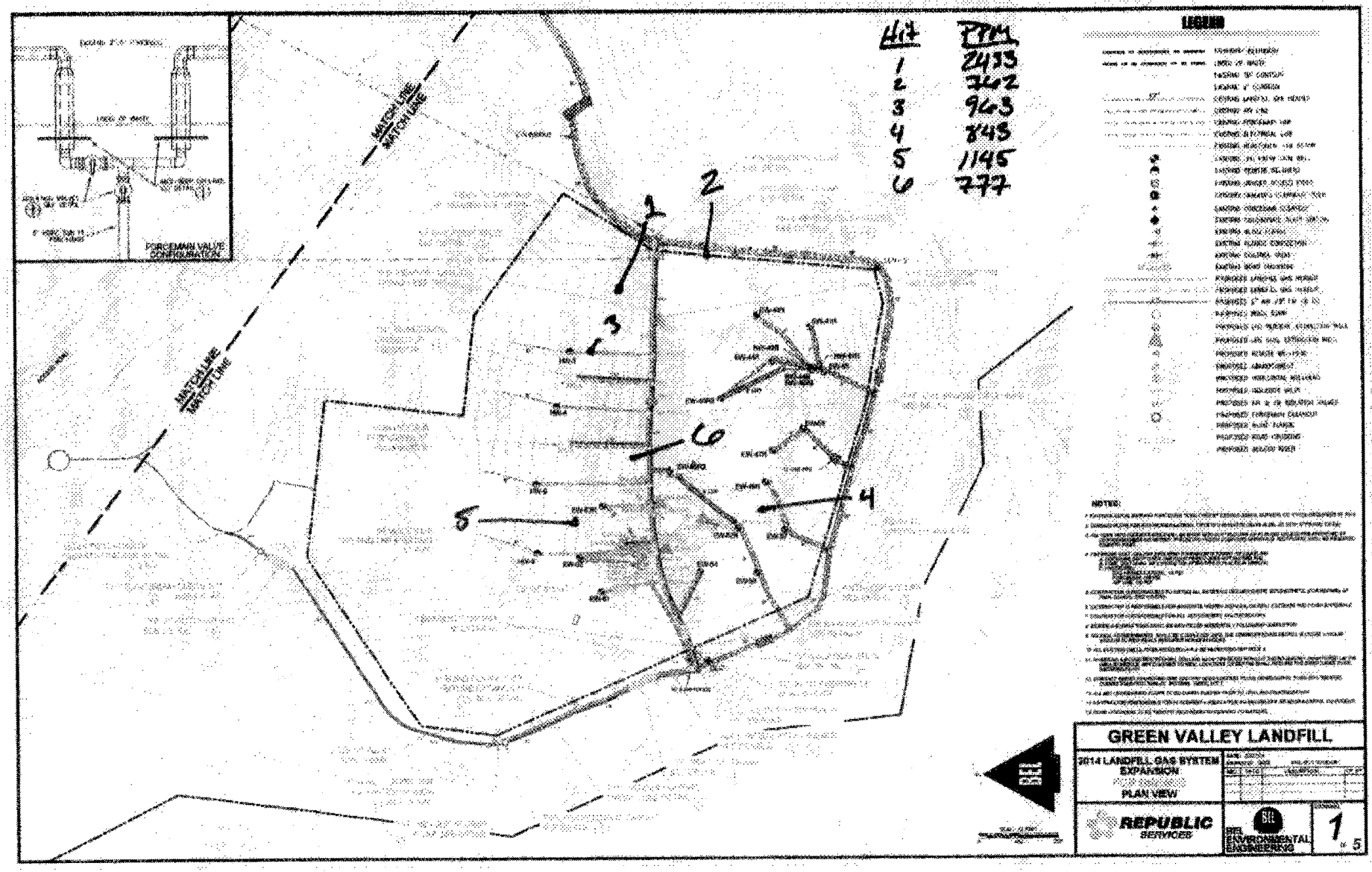
Wind Speed: 2-4 MPH

Wind Direction: E

Sky Condition: Cloudy

Precipitation: None

Green Valley 2nd Quarter Initial 6/11/14



Calibration Precision Record

Monitoring Control and Compliance, Inc.

Landfill Name: **Green Valley (2nd Quarter 10 Day Rechecks)**

Monitoring Date: Thursday, June 19, 2014 Performed By: Zack Ankney

Time: 9:00:00 Expiration Date: 9/19/2014

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: 499.4 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)

Calcuate Precision:

= **0.25** % (result must be less than +/- 10%)

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

Instrument Response Time Record

Landfill Name: **Green Valley (2nd Quarter 10 Day Rechecks)**

Monitoring Date: Thursday, June 19, 2014 Time: 9:00:00

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas 499.4 ppm

90% of the stabilized reading = 449.46 ppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 8 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. 9 seconds (2)

Measurement #3

Stabilized reading using calibration gas 498.2 ppm

90% of the stabilized reading = 448.38 pppm

Time to reach 90% of stabilized reading after switching from zero air to calibration gas. 9 seconds (3)

Calculate Response Time = 8.67 seconds (must be less than 30 seconds)

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

Performed By: Zack Ankney Date: 6/19/14

Calibration Procedure and Background Report

Landfill Name: **Green Valley (2nd Quarter 10 Day Rechecks)**

Instrument Make/Model: Photovac Micro FiD Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 500.2 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 3.8 ppm (1)
2. Downwind reading (highest in 30 seconds) 4.1 ppm (2)

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

Background = 3.95 ppm

Performed By: Zack Ankney

Date: 06/19/14 Time: 9:00:00

Daily Surface Monitoring Log Sheet

Landfill Name: **Green Valley (2nd Quarter 10 Day Rechecks)**

Performed By: Zack Ankney

Date: Thursday, June 19, 2014

Start Time: 9:00:00

Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	50 yds NE of PW2 @ 0735	106
Hit 2	30 yds N of 18" Riser @ 0741	37
Hit 3	70 yds N of HOZ3 @ 0755	71
Hit 4	30 yds E of 49R@ 0802	88
Hit 5	20 yds E of 63R @ 0811	112
Hit 6	10 yds NW of HW8 @ 0827	143

Weather Conditions

Temp: 80 F

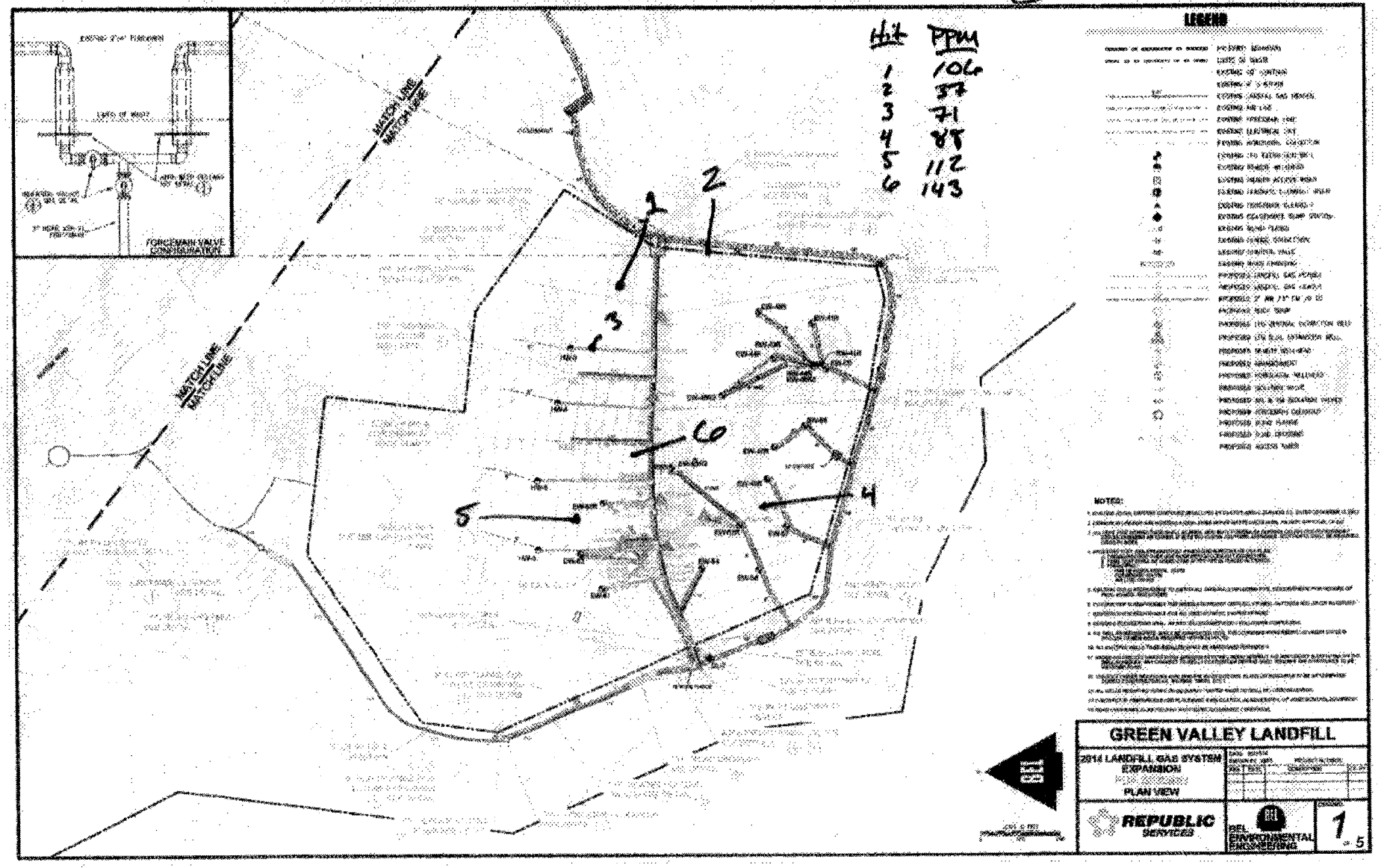
Wind Speed: 10 MPH

Wind Direction: WSW

Sky Condition: Cloudy

Precipitation: None

Green Valley 2nd Quarter 10 Day Rechecks 6/19/14



ATTACHMENT J

Rolling Data Table

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	6/5/2013 7:52	58.2	41.7	0	0.1	0.2	0.2	67	16	16	-32.38	No Change made in Valve Position; Fully Closed No Change
EW-27RR	6/5/2013 7:55	58.5	41.4	0	0.1	0.3	0.2	65	15	15	-32.31	Fully Closed No Change
EW-27RR	6/12/2013 13:45	57.8	42.1	0	0.1	0.4	-0.3	93	10	11	-20.84	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
EW-27RR	6/12/2013 16:52	58	41.9	0	0.1	-0.5	0.3	134			-30.73	NSPS/EG CAI; Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
EW-27RR	6/12/2013 16:54	58.4	41.5	0	0.1	0.4	0.4	127			-30.6	Fully Closed No Change
EW-27RR	6/27/2013 7:59	58.8	41.1	0	0.1	0.6	-0.5	67	11	16	-16.07	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
EW-27RR	6/27/2013 14:49	58.1	39.7	0.6	1.6	-0.6	0.2	138	20	17	-16.8	NSPS/EG CAI; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
EW-27RR	6/27/2013 14:52	59.7	39.7	0.2	0.4	0.4	0.4	119	20	15	-16.79	Fully Closed No Change
EW-27RR	7/1/2013 15:07	59.3	40.3	0.1	0.3	0.6	0.6	91	19	19	-17.29	No Change made in Valve Position; Fully Closed No Change
EW-27RR	7/1/2013 15:11	59	40.9	0	0.1	0.6	0.5	90	19	19	-16.88	Fully Closed No Change
EW-27RR	7/10/2013 8:40	59.3	40.6	0	0.1	0.7	0.6	76	12	12	-15.84	No Change made in Valve Position; NSPS/EG CAI; Fully Closed No Change
EW-27RR	7/10/2013 8:43	59.1	40.8	0	0.1	0.6	0.6	76	11	11	-15.96	Fully Closed No Change
EW-27RR	7/24/2013 6:47	57.9	42	0	0.1	0.5	0.4	69	14	14	-11.6	No Change made in Valve Position; NSPS/EG CAI; Fully Closed No Change
EW-27RR	7/24/2013 6:50	58.7	41.2	0	0.1	0.5	0.4	68	11	12	-11.63	Fully Closed No Change
EW-27RR	7/30/2013 9:18	58.9	40.6	0.3	0.2	0.4	-0.4	78	16	18	-13.85	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-27RR	7/30/2013 12:19	56.3	38	0.9	4.8	-0.2	0.3	133	26	25	-13.67	Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
EW-27RR	7/30/2013 12:23	56.5	38.1	0.6	4.8	0.3	0.4	123	26	26	-13.79	Fully Closed No Change
EW-27RR	8/6/2013 13:27	59	40.8	0	0.2	0.5	0.5	89	16	15	-8.52	No Change made in Valve Position; Fully Closed No Change
EW-27RR	8/6/2013 13:30	59.1	40.8	0	0.1	0.5	0.5	92	17	16	-7.31	Fully Closed No Change
EW-27RR	8/23/2013 6:51	58.3	41.6	0	0.1	0.1	-0.2	71	14	13	-29.3	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
EW-27RR	8/23/2013 6:54	58.5	41.4	0	0.1	-0.2	-0.2	78	14	14	-29.09	No Change made in Valve Position
EW-27RR	8/23/2013 11:56	58.8	41.1	0	0.1	0	0.1	117	22	31	-28.82	NSPS/EG CAI; Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
EW-27RR	8/23/2013 11:59	58.8	41.1	0	0.1	0.2	0.2	112			-27.9	Fully Closed No Change
EW-27RR	8/29/2013 8:39	58.7	41.2	0	0.1	0	-0.8	75	15	14	-28.92	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
EW-27RR	8/29/2013 13:36	55.4	40.3	0.4	3.9	-0.7	0	131	8	9	-27.97	NSPS/EG CAI; Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
EW-27RR	8/29/2013 13:38	52.4	37.5	1.3	8.8	0	0	120			-29.05	No Change made in Valve Position; Fully Closed No Change
EW-27RR	8/30/2013 8:35	58.6	41.1	0.1	0.2	0.1	0.2	76	13	13	-29.17	No Change made in Valve Position; NSPS/EG CAI; Fully Closed No Change
EW-27RR	8/30/2013 8:38	58.4	41.5	0	0.1	0.1	0.1	73	13	14	-29.79	Fully Closed No Change
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	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
EW-63R	6/5/2013 8:55	58.7	38.2	0.2	2.9	-32.4	-33	80	16	12	-33.12	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
EW-63R	6/5/2013 8:58	59.1	38.2	0	2.7	-33.2	-32.9	81	12	17	-32.9	No Change made in Valve Position
EW-63R	6/27/2013 13:56	60.8	38.7	0.3	0.2	-18.4	-18.5	81	19	22	-18.49	Slightly Opened less than 1/4 turn; Inc Flow/Vacuum
EW-63R	6/27/2013 13:59	60.5	38.5	0	1	-18.4	-18.4	81	17	14	-18.37	No Change made in Valve Position
EW-63R	7/10/2013 14:41	59	40.9	0	0.1	-17.4	-17.1	87	11	8	-17.21	Fully Open; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
EW-63R	7/10/2013 14:44	59.1	40.8	0	0.1	-17.3	-17.2	87	8	7	-17.32	No Change made in Valve Position
EW-63R	7/25/2013 7:21	60.5	39.4	0	0.1	-15.3	-15.4	84	16	11	-15.37	Fully Opened No Change
EW-63R	8/7/2013 12:40	61.4	38.5	0	0.1	-18.6	-18.4	91	20	18	-18.47	Fully Opened No Change
EW-63R	8/22/2013 14:48	60.4	39.5	0	0.1	-32.5	-32.5	89	7	9	-32.57	Fully Opened No Change
EW-63R	8/28/2013 10:36	60.7	36	0.6	2.7	-43.5	-43.1	86	21	21	-43.21	No Change made in Valve Position
EW-63R	8/29/2013 16:17	61.5	38.4	0	0.1	-32.4	-32.7	90	19	18	-32.43	Fully Opened No Change
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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-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
GRNV17R2	6/4/2013 10:54	55.4	36.1	0	8.5	-5.3	-6.5	99	21	38	-21.18	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV17R2	6/4/2013 10:57	55.1	36	0	8.9	-6.9	-6.9	100	37	36	-20.98	Surging; No Change made in Valve Position
GRNV17R2	6/26/2013 14:50	52.7	35.4	0	11.9	-5.1	-5	101	35	35	-14.95	No Change made in Valve Position; Insufficient Available Vacuum
GRNV17R2	7/9/2013 15:01	55.1	35.6	0	9.3	-5.1	-5.1	104	35	34	-15.72	No Change made in Valve Position
GRNV17R2	7/24/2013 9:28	60	37.6	0	2.4	-4.8	-5.3	104	37	46	-12.6	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV17R2	7/24/2013 9:32	60.5	38.1	0	1.4	-5.4	-5.4	103	47	47	-12.42	No Change made in Valve Position
GRNV17R2	8/6/2013 16:13	58.4	36.4	0.1	5.1	-5	-5.2	104	48	51	-11.41	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV17R2	8/6/2013 16:16	59.5	36.7	0	3.8	-5.3	-5.3	104	51	51	-11.23	No Change made in Valve Position
GRNV17R2	8/23/2013 9:14	56.3	37.7	0	6	-9.5	-10	104	43	54	-18.53	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV17R2	8/23/2013 9:17	56	37.7	0	6.3	-10.2	-10.4	105	53	54	-19.11	No Change made in Valve Position
GRNV17R2	8/29/2013 10:44	49.4	36.4	0	14.2	-11.2	-11.2	104	52	53	-18.81	No Change made in Valve Position
GRNV17R2	8/30/2013 10:36	49.5	36.1	0.1	14.3	-10.5	-10.5	104	53	51	-18.72	No Change made in Valve Position
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
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

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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	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
GRNV46R2	6/5/2013 11:29	58.1	37.1	0.3	4.5	-32.5	-32.8	94	12	8	-32.69	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV46R2	6/5/2013 11:31	57.8	36.9	0.3	5	-32.8	-32.6	94	13	13	-32.9	No Change made in Valve Position
GRNV46R2	6/27/2013 9:20	59.6	40.3	0	0.1	-17.8	-17.3	72	3	12	-17.89	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV46R2	6/27/2013 9:23	59.7	40.2	0	0.1	-17.8	-17.5	73	8	9	-17.63	No Change made in Valve Position; Surging
GRNV46R2	7/10/2013 10:37	60.1	39.8	0	0.1	-17.8	-17.8	86	14	11	-17.98	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV46R2	7/10/2013 10:40	59.6	40.3	0	0.1	-17.7	-17.7	86	12	12	-17.73	No Change made in Valve Position
GRNV46R2	7/24/2013 15:44	56	38.9	0.1	5	-15	-15	90	19	20	-15.05	No Change made in Valve Position
GRNV46R2	8/7/2013 14:03	60.9	39	0	0.1	-18.5	-18.6	98			-18.54	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV46R2	8/7/2013 14:06	60.4	39.5	0	0.1	-18.3	-18.2	100	11	13	-18.23	No Change made in Valve Position
GRNV46R2	8/22/2013 16:41	58.3	39.5	0.3	1.9	-32.4	-32.8	104	16	22	-32.52	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV46R2	8/22/2013 16:44	57.9	39.5	0	2.6	-32.5	-32.5	102	13	17	-32.54	No Change made in Valve Position
GRNV46R2	8/28/2013 9:21	60.7	39.2	0	0.1	-40.9	-41.4	87	18	17	-41.68	Inc Flow/Vacuum; Surging; Slightly Opened less than 1/4 turn
GRNV46R2	8/28/2013 9:23	60.8	39.1	0	0.1	-41.8	-41.6	88	18	16	-41.22	Surging; No Change made in Valve Position
GRNV46R2	8/30/2013 8:06	59.2	40.7	0	0.1	-32.6	-32.5	73	16	13	-32.75	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV46R2	8/30/2013 8:12	59.5	40.4	0	0.1	-32.3	-32.5	74	11	20	-32.52	No Change made in Valve Position
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
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

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
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
GRNV50R2	6/5/2013 8:37	56.5	34.9	0	8.6	-23.6	-28.9	76		39	-33.66	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV50R2	6/5/2013 8:40	55.8	35.1	0	9.1	-29	-28.5	76	55	42	-33.37	No Change made in Valve Position; Surging
GRNV50R2	6/27/2013 14:10	12	7.8	16.1	64.1	-18.4	-18.5	74	15	14	-18.42	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn
GRNV50R2	6/27/2013 14:13	16.9	10.4	14.6	58.1	-18.4	-18.4	73	15	14	-18.45	No Change made in Valve Position; Valve Barely Open
GRNV50R2	7/1/2013 16:18	27.7	17	11.4	43.9	-20.7	-20.6	95			-20.58	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNV50R2	7/1/2013 16:21	12.6	7.5	16.7	63.2	-20.5	-20.4	93			-20.53	No Change made in Valve Position; Valve Barely Open
GRNV50R2	7/10/2013 14:14	30.4	19.4	9.8	40.4	-17.5	-17.4	92	5	4	-17.51	Dec Flow/Vacuum; NSPS/EG CAI; Slightly Closed less than 1/4 turn
GRNV50R2	7/10/2013 14:19	25.2	16.6	11.6	46.6	-17.4	-17.5	91	4	3	-17.5	No Change made in Valve Position
GRNV50R2	7/25/2013 7:04	27.6	16.4	12.3	43.7	-14.9	-14.9	58	10	9	-15.12	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNV50R2	7/25/2013 7:08	16	9.9	16.3	57.8	-15.2	-15.2	58	9	10	-15.11	No Change made in Valve Position; Valve Barely Open
GRNV50R2	8/7/2013 12:29	15.2	9.4	15.1	60.3	-18.6	-18.6	89	18	18	-18.6	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNV50R2	8/7/2013 12:32	13	8	15.7	63.3	-18.3	-18.3	90	18	14	-18.28	No Change made in Valve Position; Valve Barely Open
GRNV50R2	8/22/2013 14:35	26.6	16.5	11.7	45.2	-32.5	-32.6	84		2	-32.94	Dec Flow/Vacuum; NSPS/EG CAI; Slightly Closed less than 1/4 turn
GRNV50R2	8/22/2013 14:38	12.1	7.3	16.9	63.7	-32.5	-32.4	85			-32.41	No Change made in Valve Position; Valve Barely Open
GRNV50R2	8/28/2013 10:24	47.2	36.5	0	16.3	-21.6	-20.7	89	21	22	-43.59	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNV50R2	8/28/2013 10:26	47.2	36.2	0	16.6	-17.2	-17.2	89	20	20	-43.19	No Change made in Valve Position
GRNV50R2	8/29/2013 16:03	54	45.9	0	0.1	-5.4	-7	88	18	18	-32.63	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV50R2	8/29/2013 16:07	54.2	45.7	0	0.1	-6.9	-6.8	88	18	21	-32.89	No Change made in Valve Position
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

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
GRNV50R2	1/29/2014 9:30	28.6	19.3	10.8	41.3	-26.88	-26.57	12	0	0	-26.57	2nd Reading; None; Fair
GRNV50R2	2/11/2014 9:00	37.9	25.7	8.2	28.2	-22.43	-22.35	16	0	0	-22.09	No Change; Repair Air Pump; Fair
GRNV50R2	2/11/2014 9:01	43.2	27.2	6.7	22.9	-22.78	-23.04	16	0	0	-23.12	2nd Reading; None; Fair
GRNV50R2	2/26/2014 8:32	36.4	23.5	8.6	31.5	-16.7	-16.7	23	0	0	-16.82	Slightly Closed; None; Fair
GRNV50R2	2/26/2014 8:33	43.4	24	7.2	25.4	-16.82	-16.82	22	0	0	-16.82	2nd Reading; None; Fair
GRNV50R2	3/11/2014 9:40	35.5	23.8	8.7	32	-13.33	-13.33	57	0	0	-13.16	Slightly Closed; None; Fair
GRNV50R2	3/11/2014 9:41	44.3	23.3	6.7	25.7	-13.33	-13.37	57	0	4	-13.11	2nd Reading; None; Fair
GRNV50R2	3/26/2014 8:57	41.8	24.8	6.9	26.5	-16.05	-16.01	34	0	4	-16.09	Slightly Closed; None; Fair
GRNV50R2	3/26/2014 8:57	37.3	21.6	9.2	31.9	-16.22	-16.01	35	0	0	-16.13	2nd Reading; None; Fair
GRNV50R2	4/9/2014 8:10	41.3	23.3	8.3	27.1	-16.78	-16.74	48	0	0	-16.57	Slightly Closed; No Repair Needed; Fair
GRNV50R2	4/9/2014 8:11	43.1	23.8	7.2	25.9	-17.82	-17.77	48	4	6	-17.6	2nd Reading; No Repair Needed; Fair
GRNV50R2	4/24/2014 8:29	39.6	24.3	7.7	28.4	-27.61	-26.96	50	0	0	-27.35	No Change; No Repair Needed; Fair
GRNV50R2	4/24/2014 8:30	37.6	24.3	7.9	30.2	-27.65	-27.65	50	0	0	-27.65	2nd Reading; No Repair Needed; Fair
GRNV50R2	5/28/2014 11:07	45	25.4	6.1	23.5	-21.18	-22.22	85	8	5	-21.27	Slightly Closed; No Repair Needed; Fair
GRNV50R2	5/28/2014 11:08	46.8	25.5	5.5	22.2	-21.4	-21.4	85	9	6	-21.27	2nd Reading; No Repair Needed; Fair
GRNV50R3	6/9/2014 10:25	59.2	40.8	0	0	-13.76	-13.76	101	36	34	-21.66	No Change; No Repair Needed; Good
GRNV50R3	6/24/2014 8:03	52.9	38.6	0	8.5	-10.4	-10.4	100	23	23	-14.15	No Change; No Repair Needed; Good
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
GRNV65R2	6/5/2013 9:37	57.4	36.1	0.5	6	-32.7	-33.1	81	6	9	-33.29	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV65R2	6/5/2013 9:41	59.8	37	0.1	3.1	-32.9	-32.9	80	7	10	-33.6	No Change made in Valve Position
GRNV65R2	6/27/2013 10:18	53.1	45.6	0.4	0.9	-17.1	-17.1	78		76	-18.51	No Change made in Valve Position; Insufficient Available Vacuum
GRNV65R2	7/10/2013 11:54	57.1	42.8	0	0.1	-16	-16	93	13	13	-17.26	No Change made in Valve Position
GRNV65R2	7/25/2013 8:20	58.4	41.5	0	0.1	-14.8	-14.7	79	10		-15.12	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV65R2	7/25/2013 8:26	58.8	41.1	0	0.1	-15	-15.1	78	4		-15.27	No Change made in Valve Position
GRNV65R2	8/7/2013 13:08	59.7	40.2	0	0.1	-18.7	-18.7	93	10		-18.84	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNV65R2	8/7/2013 13:12	59.2	40.7	0	0.1	-18.4	-18.6	93	6	4	-18.49	No Change made in Valve Position
GRNV65R2	8/22/2013 15:23	59.2	40.7	0	0.1	-32.5	-32.7	93	6	10	-32.6	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV65R2	8/22/2013 15:28	58.9	41	0	0.1	-32.5	-32.6	94		14	-32.36	No Change made in Valve Position
GRNV65R2	8/28/2013 10:02	60.3	39.6	0	0.1	-43.2	-42.2	90	41	33	-42.82	No Change made in Valve Position; Fully Opened No Change
GRNV65R2	8/29/2013 16:53	59.5	40	0.1	0.4	-32.3	-32.3	93	34	10	-32.52	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNV65R2	8/29/2013 16:56	58.3	40.2	0	1.5	-32.9	-33.5	93	33	29	-33.23	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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
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
GRNVLO8R	6/4/2013 14:04	46.2	32.7	0.3	20.8	-4.9	-4.1	118	37	31	-19.86	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLO8R	6/4/2013 14:06	46	33.3	0	20.7	-4	-4	117	29	29	-19.79	No Change made in Valve Position
GRNVLO8R	6/26/2013 16:23	55.7	34.3	0	10	-0.9	-0.8	116	31	31	-13.4	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLO8R	7/10/2013 9:22	57.1	36.5	0	6.4	-1.5	-1.6	117	23	22	-14.59	No Change made in Valve Position
GRNVLO8R	7/24/2013 12:55	55.9	37.2	0.1	6.8	-1.7	-1.6	116	27	27	-12.18	No Change made in Valve Position
GRNVLO8R	8/7/2013 15:29	60.1	38.5	0	1.4	-0.8	-1.2	116	31	38	-12.18	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLO8R	8/7/2013 15:32	60.6	38.7	0	0.7	-1.2	-1.3	117	25	26	-11.99	No Change made in Valve Position
GRNVLO8R	8/23/2013 11:06	49.5	37.5	0	13	-4.2	-4.3	117	26	27	-18.91	No Change made in Valve Position
GRNVLO8R	8/29/2013 14:19	44.7	35.9	0	19.4	-3.9	-3.6	118	31	27	-19.74	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLO8R	8/29/2013 14:21	45.1	35.8	0	19.1	-3.5	-3.5	117	27	27	-18.93	No Change made in Valve Position
GRNVLO8R	8/30/2013 12:09	46.3	34.9	0	18.8	-3	-2.7	117	24	18	-19.44	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLO8R	8/30/2013 12:12	47	35.7	0	17.3	-2.7	-2.6	117	20	21	-18.16	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
GRNVL08R	11/26/2013 11:17	48.6	39.4	0	12	-0.2	-0.2	109			-6.15	No Change made in Valve Position
GRNVL08R	12/4/2013 10:01	57.6	37.5	0.2	4.7	-1.4	-1.7	111	23	24	-5.54	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL08R	12/4/2013 10:04	57.2	37.5	0.1	5.2	-1.5	-1.6	112	24	23	-5.49	No Change made in Valve Position
GRNVL08R	12/17/2013 15:29	60.5	38.2	0	1.3	-0.4	-0.5	111	19	30	-3.38	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL08R	12/17/2013 15:32	60.7	38.8	0	0.5	-0.6	-0.6	112	35	35	-3.6	No Change made in Valve Position
GRNVL08R	1/15/2014 11:11	56.7	36	0	7.3	-0.08	-0.02	108	0	8	-1.73	No Change; None; Good; 63063
GRNVL08R	1/29/2014 13:13	46.7	32.1	0	21.2	-6.51	-5.82	115	46	24	-12.6	Slightly Closed; None; Good; 63567
GRNVL08R	1/29/2014 13:14	46	35.3	0	18.7	-5.52	-5.52	115	29	17	-12.04	2nd Reading; None; Good
GRNVL08R	2/11/2014 11:59	56.9	35.2	0	7.9	-4.97	-4.94	110	16	24	-7.89	No Change; None; Good; 63888
GRNVL08R	3/11/2014 12:26	56.9	36	0	7.1	-1.66	-1.65	112	19	21	-6.56	No Change; None; Good; 64947
GRNVL08R	3/26/2014 12:02	49.8	36.5	0	13.7	-4.64	-4.68	111	29	31	-13.16	No Change; None; Good
GRNVL08R	4/9/2014 10:11	57.7	35.6	0	6.7	-7.16	-7.51	112	25	30	-15.14	Slightly Open; No Repair Needed; Good; 66003
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
GRNVL10R	6/4/2013 12:53	63.1	36.5	0.2	0.2	0.5	-0.1	78	8	7	-19.21	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL10R	6/4/2013 12:55	62.7	37.2	0	0.1	-0.2	-0.2	96	9	8	-21.5	No Change made in Valve Position; Valve Barely Open
GRNVL10R	6/26/2013 15:20	63	36.8	0	0.2	0.3	0.5	132	6		-15.94	Dec Flow/Vacuum; NSPS/EG CAI; Slightly Closed less than 1/4 turn
GRNVL10R	6/26/2013 15:23	62.9	37	0	0.1	0.6	0.6	127	7	6	-14.5	No Change made in Valve Position; Valve Barely Open
GRNVL10R	7/1/2013 15:58	63.6	36.1	0.1	0.2	0.5	0.4	123	33	27	-15.1	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL10R	7/1/2013 16:02	64.1	35.8	0	0.1	0.4	0.4	128	7	6	-15.26	No Change made in Valve Position
GRNVL10R	7/9/2013 15:52	63.6	36.3	0	0.1	0.9	0.6	130	7	5	-15.71	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVL10R	7/9/2013 15:55	63.8	36.1	0	0.1	0.5	0.5	136	41	43	-15.81	No Change made in Valve Position
GRNVL10R	7/24/2013 10:09	61.6	38.3	0	0.1	0	-0.2	131	24	22	-12.66	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL10R	7/24/2013 10:13	61.4	38.5	0	0.1	-0.4	-0.4	136	41	38	-12.72	No Change made in Valve Position; NSPS/EG CAI
GRNVL10R	8/7/2013 14:41	60.5	39.4	0	0.1	0	-0.1	138	24	23	-13.16	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVL10R	8/7/2013 14:44	59.8	40.1	0	0.1	-0.1	-0.1	139	23	23	-12.98	No Change made in Valve Position
GRNVL10R	8/23/2013 9:51	61.5	38.4	0	0.1	-1.2	-0.5	136	26		-20.96	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL10R	8/23/2013 9:55	61.3	38.6	0	0.1	-0.4	-0.4	127	6	4	-22.44	No Change made in Valve Position
GRNVL10R	8/29/2013 11:19	62.2	37.7	0	0.1	-0.2	-1	129	9	14	-21.46	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 deg. F)
GRNVL10R	8/29/2013 11:22	61.8	38.1	0	0.1	-1.1	-1.1	139	21	14	-20.47	Surging; No Change made in Valve Position
GRNVL10R	8/30/2013 11:15	57.7	39	0.1	3.2	-1	-1	138	35	14	-19.9	Surging; No Change made in Valve Position; HOV (140 deg. F)
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
GRNVL10R	12/3/2013 16:08	53.2	35.7	1.4	9.7	-2.2	-2.1	127	9	6	-5.61	No Change made in Valve Position
GRNVL10R	12/17/2013 14:37	58.5	37.6	0.4	3.5	-1.1	-1.5	127	16	21	-3.94	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL10R	12/17/2013 14:40	58.4	37.6	0.3	3.7	-1.6	-1.6	128	20	21	-3.85	No Change made in Valve Position
GRNVL10R	1/15/2014 11:26	51.2	33.6	0.6	14.6	-0.79	-1.06	124	12	26	-1.38	No Change; None; Good; 604
GRNVL10R	1/29/2014 13:42	32.1	26.3	2.9	38.7	-2.51	-1.73	118	12	5	-3.11	Slightly Closed; None; Fair; 604
GRNVL10R	1/29/2014 13:44	33.4	26.2	2.1	38.3	-1.38	-1.38	118	6	6	-2.46	2nd Reading; None; Fair
GRNVL10R	2/11/2014 12:30	58	31.4	0.5	10.1	-0.05	-0.04	112	13	12	-4.7	No Change; None; Good; 604
GRNVL10R	3/11/2014 12:45	63.3	36.6	0	0.1	-0.11	-0.15	105	21	21	-6.56	No Change; None; Good; 608
GRNVL10R	3/26/2014 12:24	44.3	32.9	0.9	21.9	-3.76	-2.58	126	31	13	-13.5	Slightly Closed; None; Good; 608
GRNVL10R	3/26/2014 12:25	46.1	33	1.2	19.7	-2.21	-2.21	123	13	13	-14.02	2nd Reading; None; Good
GRNVL10R	4/9/2014 11:40	50.9	33.5	1.4	14.2	-2.54	-2.57	121	19	17	-15.92	No Change; No Repair Needed; Good; 608
GRNVL10R	5/29/2014 13:12	49.7	34.1	0.6	15.6	-1.93	-1.9	124	32	33	-16.87	No Change; No Repair Needed; Good; 608
GRNVL10R	6/9/2014 13:13	51.7	36.3	0.5	11.5	-1.66	-1.63	125	15	15	-17	No Change; No Repair Needed; Good; 608
GRNVL10R	6/24/2014 11:59	53.5	35.8	0.5	10.2	-1.23	-1.29	125	30	29	-12.47	No Change; No Repair Needed; Good; 608
GRNVL13R	6/4/2013 9:43	44	33	0.1	22.9	-17.1	-15.7	116	27	20	-20.81	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL13R	6/4/2013 9:45	43.9	33.3	0	22.8	-15.4	-15.4	116	20	21	-19.7	Surging; No Change made in Valve Position
GRNVL13R	6/26/2013 13:52	45.8	34.2	0	20	-11.9	-11.4	117	30	25	-16.67	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL13R	6/26/2013 13:55	46.2	34.1	0	19.7	-11.2	-11.2	117	26	27	-15.93	No Change made in Valve Position; Insufficient Available Vacuum
GRNVL13R	7/9/2013 14:03	50.1	34.8	0	15.1	-10.6	-10.5	119	26	26	-15.57	No Change made in Valve Position
GRNVL13R	7/24/2013 8:32	51.9	36.7	0	11.4	-8.1	-8.1	118	20	20	-11.76	No Change made in Valve Position
GRNVL13R	8/6/2013 15:19	45.5	34.8	0.2	19.5	-7.7	-7.5	117	17	15	-10.88	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL13R	8/6/2013 15:22	45.9	34.7	0	19.4	-7.4	-7.4	117	17	16	-11.21	No Change made in Valve Position
GRNVL13R	8/23/2013 8:19	51.8	37.3	0	10.9	-11.9	-11.9	118	23	21	-19.07	Surging; No Change made in Valve Position
GRNVL13R	8/29/2013 9:43	48.1	36.4	0	15.5	-12	-11.9	117	27	26	-19.13	No Change made in Valve Position; Surging
GRNVL13R	8/30/2013 9:48	50.2	37.3	0	12.5	-11.7	-11.7	117	20	21	-19.95	No Change made in Valve Position
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

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
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
GRNVL18R	6/4/2013 10:44	37	27	3.7	32.3	-1.4	-1.5	81	4	5	-30.31	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL18R	6/4/2013 10:47	42.7	31.3	0.8	25.2	-1.7	-1.6	79	7	7	-30.43	No Change made in Valve Position; Valve Barely Open
GRNVL18R	6/26/2013 14:43	45.1	32.4	0.4	22.1	-0.6	-0.5	91	10	10	-15.24	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn; Valve Barely Open
GRNVL18R	6/26/2013 14:46	45	32.5	0	22.5	-0.5	-0.5	91	11	10	-15.28	No Change made in Valve Position
GRNVL18R	7/9/2013 15:09	52.6	34.1	0	13.3	-0.5	-0.7	93			-15.93	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL18R	7/9/2013 15:12	52.3	34.5	0	13.2	-0.7	-0.6	93	2	1	-16.09	No Change made in Valve Position
GRNVL18R	7/24/2013 9:38	58.5	36.7	0	4.8	-0.8	-1.9	81		6	-12.82	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL18R	7/24/2013 9:41	50.3	32.7	2.4	14.6	-1.9	-2.1	92	6	6	-12.68	No Change made in Valve Position
GRNVL18R	8/6/2013 16:20	50.2	32.8	1.7	15.3	-1.7	-1.7	104	14	11	-13.84	No Change made in Valve Position
GRNVL18R	8/23/2013 9:22	45	32.9	1.6	20.5	-3.9	-3.5	103	26	8	-26.34	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL18R	8/23/2013 9:25	45.6	33.5	1.3	19.6	-3.5	-3.4	102	11	19	-26.32	No Change made in Valve Position
GRNVL18R	8/29/2013 10:49	36.2	31.5	1.9	30.4	-3.9	-3.3	94	15	8	-26.93	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL18R	8/29/2013 10:52	36.9	32.2	1.4	29.5	-3.2	-3.2	93	7	6	-26.9	No Change made in Valve Position
GRNVL18R	8/30/2013 10:41	39.4	33.5	1.2	25.9	-2.4	-2	91	7	5	-27.13	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL18R	8/30/2013 10:43	38.7	33	1.3	27	-1.9	-1.9	89	8	8	-25.94	No Change made in Valve Position; Valve Barely Open
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
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

Green Valley Landfill
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06/01/2013 through 06/30/2014

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
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
GRNVL26R	6/4/2013 8:42	58.7	41.2	0	0.1	7.4	6.7	67	10	8	-32.34	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	6/4/2013 8:45	59	40.9	0	0.1	6.6	6.6	72	7	7	-32.38	No Change made in Valve Position; Valve Barely Open
GRNVL26R	6/26/2013 13:27	59.1	40.8	0	0.1	6.8	6.4	92			-18.71	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	6/26/2013 13:30	59.2	40.7	0	0.1	6.3	6.3	94			-18.97	No Change made in Valve Position
GRNVL26R	7/9/2013 13:39	59.4	40.5	0	0.1	5.5	4.4	102		38	-17.48	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	7/9/2013 13:42	59.5	40.4	0	0.1	4.3	4.3	106	13	12	-17.39	No Change made in Valve Position
GRNVL26R	7/24/2013 7:33	59.2	40.7	0	0.1	3.7	-0.5	102		19	-11.6	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL26R	7/24/2013 7:36	58.9	41	0	0.1	-0.7	-0.8	107	19	19	-11.18	No Change made in Valve Position
GRNVL26R	7/30/2013 9:24	58.9	40.7	0.3	0.1	-4	-5.1	108	25	27	-13.78	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	7/30/2013 9:27	58.9	40.8	0.1	0.2	-5.3	-5.3	108	27	27	-13.65	No Change made in Valve Position
GRNVL26R	8/6/2013 14:38	58.9	40.5	0.1	0.5	-5.4	-6.1	93	25	27	-13.62	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	8/6/2013 14:42	58.3	39.6	0	2.1	-6.4	-6.4	90	28	28	-13.51	No Change made in Valve Position
GRNVL26R	8/23/2013 7:35	55.4	39.6	0	5	-14.5	-15.8	107	35	37	-28.7	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	8/23/2013 7:38	56.1	40	0	3.9	-16.1	-16	108	38	37	-29.04	No Change made in Valve Position
GRNVL26R	8/29/2013 9:13	49.5	38.1	0	12.4	-16.5	-16.6	107	41	36	-28.68	No Change made in Valve Position
GRNVL26R	8/30/2013 9:12	52.8	38.3	0.1	8.8	-16.2	-17.3	107	39	40	-27.86	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL26R	8/30/2013 9:15	52.8	38.6	0	8.6	-17.5	-17.7	107	39	39	-28.24	No Change made in Valve Position
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
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
GRNVL32R	6/4/2013 12:42	60.8	38.5	0.5	0.2	-2	-2.2	122	16	6	-30.74	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL32R	6/4/2013 12:45	61.2	38.5	0.1	0.2	-2.1	-2.1	129	4	7	-30.38	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
GRNVL32R	6/26/2013 15:04	58.6	36.7	0.4	4.3	-1.3	-1.3	129	19	21	-15.15	No Change made in Valve Position; Insufficient Available Vacuum
GRNVL32R	7/9/2013 15:34	60.6	38.4	0	1	-0.5	-0.1	124	9	29	-16.36	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL32R	7/9/2013 15:41	61.4	38	0	0.6	0	-0.3	130	25	8	-16.26	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVL32R	7/9/2013 15:44	61.6	38.3	0	0.1	-0.1	-0.2	134	5	7	-16.5	No Change made in Valve Position; Valve Barely Open
GRNVL32R	7/15/2013 14:34	59.7	39.9	0.2	0.2	-2.4	-0.1	137	19	27	-25.6	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVL32R	7/15/2013 14:37	59.2	40.7	0	0.1	-0.2	-0.2	134	27	27	-27.22	No Change made in Valve Position; Valve Barely Open
GRNVL32R	7/24/2013 9:58	60.6	39.3	0	0.1	-0.4	-0.9	124	24	27	-12.49	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL32R	7/24/2013 10:01	60.6	39.3	0	0.1	-1.7	-1.7	129	48	49	-12.59	No Change made in Valve Position
GRNVL32R	8/6/2013 16:27	60.1	39.5	0.3	0.1	0.1	-0.3	135	12	14	-14.29	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVL32R	8/6/2013 16:31	60.6	39.3	0	0.1	-0.3	-0.3	135	9	7	-13.79	No Change made in Valve Position
GRNVL32R	8/12/2013 12:52	60.3	39.3	0.3	0.1	-1.6	-0.2	134	8		-12.64	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL32R	8/12/2013 12:58	60.3	39.6	0	0.1	-0.1	-0.1	129		0	-13.36	No Change made in Valve Position; Valve Barely Open
GRNVL32R	8/23/2013 9:29	62	37.9	0	0.1	-2.3	-2.2	129	10	10	-27.05	No Change made in Valve Position
GRNVL32R	8/29/2013 10:57	60.8	39.1	0	0.1	-2.1	-3.1	129	8	10	-27.01	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 deg. F)
GRNVL32R	8/29/2013 11:00	60.5	39.4	0	0.1	-3.1	-3.1	135	11	11	-26.81	No Change made in Valve Position
GRNVL32R	8/30/2013 10:47	59	40.5	0.3	0.2	-3.1	-3.2	136	13	13	-27.05	No Change made in Valve Position; HOV (140 deg. F)
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
GRNVL38R	6/4/2013 13:10	4.8	3.2	19.2	72.8	-1	-1.8	80			-20.98	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
GRNVL38R	6/4/2013 13:13	58.4	34.8	0.2	6.6	-1.8	-1.8	100	7	6	-19.53	No Change made in Valve Position; Valve Barely Open
GRNVL38R	6/26/2013 15:33	2.3	1.1	20.1	76.5	0.7	-0.2	117	25	6	-13.97	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL38R	6/26/2013 15:38	4.6	2	19	74.4	-0.2	-0.2	126	14	9	-12.43	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVL38R	7/1/2013 15:18	20.1	11.6	13.5	54.8	-0.6	-0.1	137	21	19	-11.51	NSPS/EG CAI; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL38R	7/1/2013 15:26	14.6	9.1	15.3	61	0	-0.1	133		7	-13.24	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL38R	7/1/2013 15:47	45.1	24.8	4.9	25.2	-1.7	-0.6	139	10		-15.78	Dec Flow/Vacuum; Mod. closed less than 1/2 turn; User Defined Comments
GRNVL38R	7/1/2013 15:51	57.6	31.6	0.8	10	-0.5	-0.5	124			-14.92	No Change made in Valve Position
GRNVL38R	7/9/2013 16:15	65.8	34.1	0	0.1	0	-0.4	110			-14.93	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL38R	7/9/2013 16:18	65.3	34.4	0	0.3	-0.5	-0.5	125	31	32	-15.36	No Change made in Valve Position
GRNVL38R	7/24/2013 10:35	43.6	33.3	0	23.1	-8	-4	140	34	9	-13.28	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVL38R	7/24/2013 10:38	39.1	32	0	28.9	-3.5	-3.5	134	5	5	-12.82	No Change made in Valve Position
GRNVL38R	7/30/2013 9:34	53.7	34	0.4	11.9	-1.2	-0.5	136	15	36	-10.99	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL38R	7/30/2013 9:38	52.4	32.6	0.9	14.1	-0.4	-0.4	125	14	15	-11.03	No Change made in Valve Position
GRNVL38R	8/7/2013 16:11	64.3	35.5	0.1	0.1	0.3	-0.3	102	8	11	-12.29	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL38R	8/7/2013 16:14	64.2	35.7	0	0.1	-0.4	-0.4	123	36	31	-11.95	No Change made in Valve Position
GRNVL38R	8/23/2013 10:20	47.4	35.9	0	16.7	-2.5	-2.2	134	12	3	-19.65	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL38R	8/23/2013 10:23	46.6	36	0	17.4	-2.2	-2.2	129	6	5	-20.43	No Change made in Valve Position
GRNVL38R	8/29/2013 11:26	48.6	34.3	0	17.1	-1.9	-1.8	131	6	6	-18.3	No Change made in Valve Position; HOV (140 deg. F)
GRNVL38R	8/30/2013 11:19	46.1	34.7	0.1	19.1	-1.6	-1.4	129	10	10	-20.18	Surging; Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL38R	8/30/2013 11:22	46.4	34.7	0	18.9	-1.3	-1.4	127	10	9	-20.41	No Change made in Valve Position
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

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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
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
GRNVL41R	6/5/2013 11:07	40.1	27.8	0	32.1	-12.6	-11.1	94	12	8	-32.99	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL41R	6/5/2013 11:09	41.3	27.9	0	30.8	-10.9	-10.9	94	8	8	-33.18	No Change made in Valve Position
GRNVL41R	6/27/2013 8:58	47.2	29.7	0	23.1	-7.5	-5.3	88	10	9	-17.77	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL41R	6/27/2013 9:08	48.6	30.5	0	20.9	-4.6	-4.7	89	11	11	-17.83	No Change made in Valve Position
GRNVL41R	7/10/2013 10:09	58.8	32.5	0.1	8.6	-4.9	-5.9	89	16	15	-17.76	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL41R	7/10/2013 10:12	59.2	33.2	0	7.6	-6.1	-6.1	89	16	16	-17.73	No Change made in Valve Position
GRNVL41R	7/24/2013 15:20	52.9	31.5	0	15.6	-5.5	-5.6	93	22	22	-15.14	No Change made in Valve Position
GRNVL41R	8/7/2013 13:49	48.4	28.8	0	22.8	-6.6	-6.6	94	9	5	-18.31	No Change made in Valve Position
GRNVL41R	8/22/2013 16:19	46.3	29.9	0	23.8	-10.2	-9.6	97	16	14	-32.42	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL41R	8/22/2013 16:22	45.8	29.7	0	24.5	-9.4	-9.4	96	15	14	-32.62	No Change made in Valve Position
GRNVL41R	8/28/2013 9:26	35.3	23.2	3.9	37.6	-11.2	-10.7	95	19	18	-41.56	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL41R	8/28/2013 9:28	44	28.3	0	27.7	-10.1	-10.2	95	18	18	-41.88	No Change made in Valve Position
GRNVL41R	8/30/2013 7:34	45.7	30.4	0.2	23.7	-8.1	-7.8	91	10	15	-32.46	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL41R	8/30/2013 7:37	46.3	30.7	0	23	-7.6	-7.6	91	14	14	-33.29	No Change made in Valve Position
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

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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
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
GRNVL43R	6/5/2013 11:15	61.3	35	0.3	3.4	-32.8	-32.8	89	6	6	-32.94	Fully Opened No Change
GRNVL43R	6/27/2013 9:11	63.2	36.6	0	0.2	-17.7	-17.7	74	8	8	-17.88	Fully Opened No Change
GRNVL43R	7/10/2013 10:16	62.8	37.1	0	0.1	-17.7	-17.7	81	14	12	-17.71	Fully Opened No Change
GRNVL43R	7/25/2013 9:23	62.2	37.7	0	0.1	-14.9	-14.9	80	10	9	-14.9	Fully Opened No Change
GRNVL43R	8/7/2013 13:52	60.8	34.5	0.8	3.9	-18.3	-18.3	91	8	10	-18.29	Fully Opened No Change
GRNVL43R	8/22/2013 16:25	53.6	35	1.6	9.8	-32.4	-32.6	86	13	18	-32.76	Fully Opened No Change
GRNVL43R	8/28/2013 9:10	50.1	32.9	2.7	14.3	-41.1	-42.4	84	21	20	-42.08	Dec Flow/Vacuum; Surging; Slightly Closed less than 1/4 turn
GRNVL43R	8/28/2013 9:12	51.2	33.1	2.6	13.1	-41.5	-41.5	84	20	26	-42.16	Surging; No Change made in Valve Position
GRNVL43R	8/30/2013 8:16	39.1	27	6.4	27.5	-32.5	-32.3	83	34	36	-32.42	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVL43R	8/30/2013 8:20	38.5	26.6	6.4	28.5	-32.6	-32.3	83	33	33	-32.69	No Change made in Valve Position
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
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

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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	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
GRNVL44R	6/5/2013 11:19	55	33.8	1.7	9.5	-32.6	-32.8	83	2	6	-32.9	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL44R	6/5/2013 11:23	55.6	33.7	1.4	9.3	-32.7	-33	84	6	5	-32.75	No Change made in Valve Position
GRNVL44R	6/27/2013 9:14	55.6	36.5	1.2	6.7	-17.6	-17.7	74	9	10	-17.77	No Change made in Valve Position; Insufficient Available Vacuum
GRNVL44R	7/10/2013 10:28	12.4	6.8	17	63.8	-17.7	-17.5	81	13	11	-17.69	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVL44R	7/10/2013 10:33	15.7	9.3	15.6	59.4	-17.4	-17.4	81	11	10	-17.65	No Change made in Valve Position
GRNVL44R	7/15/2013 12:22	50.6	29.8	3.7	15.9	-18.7	-18.6	99	14	13	-19.01	No Change made in Valve Position
GRNVL44R	7/24/2013 15:38	0	0.4	20.7	78.9	-15.1	-15.2	85	15	17	-15.19	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVL44R	7/24/2013 15:40	0	0.3	20.8	78.9	-15.1	-15	84	16	16	-15.14	No Change made in Valve Position; Lateral Pinched
GRNVL44R	7/30/2013 10:03	2.9	7.8	18.1	71.2	-14.6	-14.1	84	16	15	-15.06	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVL44R	7/30/2013 10:07	2.3	6.5	18.6	72.6	-14.1	-14.1	87	16	15	-14.85	No Change made in Valve Position; Valve Barely Open; Lateral Pinched
GRNVL44R	8/7/2013 13:57	51.7	24.6	4.2	19.5	-11.6	-11.6	92			-18.3	No Change made in Valve Position; User Defined Comments
GRNVL44R	8/22/2013 16:29	1	3.3	19.9	75.8	-4	-11.8	102	9	9	-32.61	Inc Flow/Vacuum; AL20Slightly Opened less than 1/4 turn
GRNVL44R	8/22/2013 16:33	3	5.5	18.8	72.7	-17.9	-9.2	92	9	11	-32.3	Dec Flow/Vacuum; Mod. closed less than 1/2 turn; Valve Barely Open
GRNVL44R	8/22/2013 16:35	3.1	5.4	18.9	72.6	-8	-8	96		8	-32.49	No Change made in Valve Position; Valve Barely Open
GRNVL44R	8/28/2013 9:15	2.5	5.2	18.3	74	-18.5	-16.4	84	14	13	-41.6	NSPS/EG CAI; Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL44R	8/28/2013 9:17	2.3	5	18.4	74.3	-16.1	-16.2	84	22	22	-41.03	NSPS/EG CAI; No Change made in Valve Position
GRNVL44R	8/30/2013 7:51	6.3	6.2	17.5	70	-19.6	-20.6	77	8	8	-32.62	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL44R	8/30/2013 8:00	28.1	11.1	10.9	49.9	-24.7	-25.3	79	10	17	-32.83	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL44R	8/30/2013 8:03	51	16.4	4.6	28	-24.2	-23.5	80	16	13	-32.76	No Change made in Valve Position; Lateral Pinched
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
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

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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
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
GRNVL47R	6/5/2013 10:02	43	30.4	1.6	25	-32.2	-32	84	12		-33.28	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL47R	6/5/2013 10:08	46.3	31.7	1.8	20.2	-31.6	-31.6	84		5	-32.88	No Change made in Valve Position
GRNVL47R	6/27/2013 9:41	58.6	38.3	0.5	2.6	-20.6	-20.4	80		3	-23.57	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL47R	6/27/2013 9:45	58.7	37.4	0.5	3.4	-22.2	-21.2	82	13	10	-23.56	No Change made in Valve Position
GRNVL47R	7/10/2013 11:11	0.4	0.3	20.9	78.4	-17.5	-16.9	87	15	13	-17.53	NSPS/EG CAI; Dec Flow/Vacuum; Air Leak; Closed greater than 1 turn
GRNVL47R	7/10/2013 11:16	0.5	0.3	20.8	78.4	-17.1	-17.1	91	14	13	-17.61	No Change made in Valve Position; Valve Barely Open
GRNVL47R	7/15/2013 12:37	44.7	28.2	4.8	22.3	-7.2	-7.1	106	17	17	-19.46	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL47R	7/15/2013 12:40	47.2	29	4.4	19.4	-7.1	-7.1	105	17	16	-19.01	No Change made in Valve Position; Valve Barely Open
GRNVL47R	7/25/2013 9:12	43.7	26.9	6.2	23.2	-6.6	-7.8	81	8	9	-14.88	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL47R	7/25/2013 9:14	62.1	37.3	0.5	0.1	-7.9	-7.9	80	7		-14.92	No Change made in Valve Position; Valve Barely Open
GRNVL47R	8/7/2013 13:36	61.4	36.5	0.9	1.2	-7	-10.8	90	9	8	-18.19	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL47R	8/7/2013 13:39	62.1	37.8	0	0.1	-11.6	-11.3	89	8	10	-18.43	No Change made in Valve Position
GRNVL47R	8/22/2013 16:01	48.2	32.7	1.1	18	-19.4	-19.4	93	20	6	-32.64	No Change made in Valve Position; Surging
GRNVL47R	8/28/2013 9:39	38.2	28.6	2.1	31.1	-26	-28.7	91	17	16	-41.96	Dec Flow/Vacuum; Surging; Slightly Closed less than 1/4 turn
GRNVL47R	8/28/2013 9:42	38.1	28.8	2.2	30.9	-27.2	-27.1	89	19	21	-42.47	Surging; No Change made in Valve Position
GRNVL47R	8/30/2013 7:20	45	30.7	4.1	20.2	-24.1	-23.4	80	12	10	-32.55	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL47R	8/30/2013 7:23	52.8	34.9	1.7	10.6	-23.1	-23.1	77	14	12	-32.63	No Change made in Valve Position; Valve Barely Open
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	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
GRNVL49R	6/5/2013 9:52	41.9	31.5	2.5	24.1	-10.6	-12.2	101	21	27	-33.57	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	6/5/2013 9:54	42.8	32.1	1.9	23.2	-12.9	-12.8	102	28	27	-33.62	No Change made in Valve Position
GRNVL49R	6/27/2013 9:52	50.7	30.6	2.9	15.8	-5.7	-5.8	105	20	18	-23.99	No Change made in Valve Position
GRNVL49R	7/10/2013 11:22	63.2	36.6	0.1	0.1	-4.7	-5.7	102	26	24	-17.8	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	7/10/2013 11:28	56	33.6	1.8	8.6	-5.4	-5.5	103	32	33	-17.7	No Change made in Valve Position
GRNVL49R	7/25/2013 8:52	61.6	38.3	0	0.1	-4.7	-5.6	102	42	39	-15.43	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	7/25/2013 8:55	61.9	38	0	0.1	-5.8	-5.9	103	38	40	-15.28	No Change made in Valve Position
GRNVL49R	8/7/2013 13:29	60.8	35.4	0	3.8	-7.5	-8	103	23	22	-18.88	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	8/7/2013 13:32	61.3	35.1	0	3.6	-8.2	-8.2	103	23	23	-18.94	No Change made in Valve Position
GRNVL49R	8/22/2013 15:51	62.5	35.8	0	1.7	-14.3	-15.3	104	30	33	-33.27	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	8/22/2013 15:54	62.2	36	0	1.8	-15.5	-15.6	105	32	32	-33.34	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
GRNVL49R	8/28/2013 9:45	55.9	33.5	0	10.6	-21.7	-22.3	102	37	36	-44.56	Dec Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL49R	8/28/2013 9:48	56.4	33.6	0	10	-22.5	-22.4	102	38	36	-44.41	No Change made in Valve Position
GRNVL49R	8/29/2013 17:20	51.9	34.1	0	14	-18.2	-18.3	103	38	38	-33.93	No Change made in Valve Position
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
GRNVL52R	6/5/2013 9:30	48.7	24.5	0	26.8	-10.2	-9.9	131	8	7	-33.03	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVL52R	6/5/2013 9:33	49.4	24.8	0	25.8	-9.1	-9.2	130	5	7	-33.45	No Change made in Valve Position
GRNVL52R	6/27/2013 10:03	67.8	32.1	0	0.1	1.2	-3	118		16	-23.87	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL52R	6/27/2013 10:06	69.6	30.3	0	0.1	-3.3	-3.3	128	12	11	-19.51	No Change made in Valve Position; Valve Barely Open
GRNVL52R	7/10/2013 11:46	61	30.5	1.2	7.3	4.4	-2.9	100		4	-17.17	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL52R	7/10/2013 11:49	66.1	30.9	0.1	2.9	-3	-3	130	7		-17.24	No Change made in Valve Position
GRNVL52R	7/25/2013 8:10	68.8	31.1	0	0.1	-7.2	-5	132	23	23	-14.92	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVL52R	7/25/2013 8:14	68.1	31.8	0	0.1	-4.3	-4.3	130	6	7	-14.99	No Change made in Valve Position
GRNVL52R	8/7/2013 13:04	69.8	27.9	0	2.3	-5.5	-5.6	129	7	6	-18.22	No Change made in Valve Position
GRNVL52R	8/22/2013 15:15	63.7	36.2	0	0.1	4	-3.1	114		32	-32.81	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL52R	8/22/2013 15:18	64.3	35.6	0	0.1	-3.7	-3.7	129	32	29	-32.62	No Change made in Valve Position
GRNVL52R	8/28/2013 10:05	68.6	26.9	0.7	3.8	-10.5	-10.5	129	24	37	-42.38	No Change made in Valve Position
GRNVL52R	8/30/2013 7:10	68.9	29	0	2.1	-9.5	-9.4	129	16	16	-32.53	No Change made in Valve Position
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

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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
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
GRNVL52R	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
GRNVL52R	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
GRNVL52R	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
GRNVL52R	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
GRNVL52R	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
GRNVL52R	12/4/2013 15:07	69.4	30.4	0.1	0.1	-10.7	-13.2	125	16	16	-15.89	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL52R	12/4/2013 15:11	69.9	29.9	0.1	0.1	-13.5	-13.4	128	15	15	-15.98	No Change made in Valve Position
GRNVL52R	12/18/2013 9:32	69.4	30.3	0.1	0.2	-5.5	-6	112	21	12	-6.3	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL52R	12/18/2013 9:36	69.8	30.1	0	0.1	-6	-5.9	113	13	10	-6.48	No Change made in Valve Position
GRNVL52R	1/15/2014 8:48	67.1	32.6	0	0.3	-15.62	-15.49	50	20	15	-17	No Change; None; Good; 41479
GRNVL52R	1/29/2014 9:40	64.7	28.9	0.1	6.3	-24.55	-24.5	63	23	18	-27.61	No Change; None; Good; 50294
GRNVL52R	2/11/2014 9:15	68.4	30.7	0	0.9	-21.05	-21.05	61	18	18	-23.81	No Change; None; Good; 52569
GRNVL52R	2/26/2014 8:41	67.6	29.9	0	2.5	-15.79	-15.83	118	24	24	-16.65	No Change; None; Good; 58747
GRNVL52R	3/11/2014 9:46	66	33.7	0	0.3	-10.96	-10.96	124	16	15	-12.47	No Change; None; Good; 66854
GRNVL52R	3/26/2014 9:10	66	32.9	0	1.1	-15.14	-15.14	117	13	11	-16.05	No Change; None; Good; 70281
GRNVL52R	4/9/2014 8:19	66.2	33.5	0	0.3	-16.05	-16.01	123	13	10	-16.91	No Change; No Repair Needed; Good; 73170
GRNVL52R	5/29/2014 8:33	62.7	34.1	0.6	2.6	-16.26	-16.22	120	15	11	-17.56	No Change; No Repair Needed; Good; 77799
GRNVL52R	6/9/2014 10:32	64.6	34	0	1.4	-19.28	-19.24	124	14	15	-20.58	No Change; No Repair Needed; Good
GRNVL52R	6/24/2014 8:09	65.1	34.5	0	0.4	-13.11	-13.11	121	6	11	-13.93	No Change; No Repair Needed; Good; 77799
GRNVL54R	6/4/2013 16:21	57.5	28.8	0.6	13.1	-14.4	-15.7	123	13	14	-32.63	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL54R	6/4/2013 16:24	58.4	29.1	0.3	12.2	-16.2	-16.2	124	15	14	-32.42	No Change made in Valve Position
GRNVL54R	6/27/2013 10:40	66	32	0	2	-11.4	-12.2	125	21	9	-19.62	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL54R	6/27/2013 10:42	66.3	32.1	0	1.6	-12.3	-12.3	126	21	13	-19.76	No Change made in Valve Position
GRNVL54R	7/10/2013 12:01	67.1	30.7	0	2.2	-11.5	-12.3	127	14	12	-17.12	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL54R	7/10/2013 12:05	67.6	30.7	0	1.7	-12.5	-12.5	127	12	11	-17.11	No Change made in Valve Position
GRNVL54R	7/25/2013 7:58	67.7	32.2	0	0.1	-11.7	-13.1	125	8	8	-15.07	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL54R	7/25/2013 8:03	67.5	32.4	0	0.1	-13.4	-13.5	126	10	10	-14.98	No Change made in Valve Position
GRNVL54R	8/7/2013 12:55	61.2	30.3	0	8.5	-16.5	-16.8	123	10	11	-18.47	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL54R	8/7/2013 12:58	61.3	30.2	0	8.5	-16.9	-16.9	124	9	13	-18.37	No Change made in Valve Position
GRNVL54R	8/22/2013 15:04	61.7	30.6	0	7.7	-29.2	-29.2	127	20	20	-32.4	No Change made in Valve Position
GRNVL54R	8/28/2013 10:41	57.8	29.2	0	13	-38.4	-38.9	104	31	32	-42.72	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL54R	8/28/2013 10:43	56.8	29.2	0	14	-38.9	-39.1	105	31	33	-43.22	No Change made in Valve Position
GRNVL54R	8/29/2013 16:40	54	29.2	0	16.8	-30.2	-30.4	126	25	25	-32.3	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL54R	8/29/2013 16:44	54.3	29.5	0	16.2	-30.6	-30.3	126	25	25	-33.02	No Change made in Valve Position
GRNVL54R	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
GRNVL54R	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
GRNVL54R	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
GRNVL54R	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
GRNVL54R	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
GRNVL54R	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
GRNVL54R	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
GRNVL54R	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
GRNVL54R	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
GRNVL54R	12/4/2013 14:53	66.2	33.5	0.2	0.1	-15.6	-15.7	123	17	12	-16.16	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn

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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	12/4/2013 14:56	66	33.7	0.1	0.2	-15.5	-15.6	123	15	14	-15.93	No Change made in Valve Position
GRNVL54R	12/18/2013 9:09	66.2	33.7	0	0.1	-6.6	-6.6	114	7	27	-6.77	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL54R	12/18/2013 9:11	65.6	34.3	0	0.1	-6.5	-6.6	115		11	-6.66	No Change made in Valve Position
GRNVL54R	1/15/2014 8:55	66.1	31.6	0.1	2.2	-16.18	-16.35	114	37	40	-16.48	No Change; None; Good; 458059
GRNVL54R	1/29/2014 9:37	57.9	29.7	1	11.4	-26.23	-26.19	114	19	27	-26.92	No Change; None; Good; 458061
GRNVL54R	2/11/2014 9:10	67.4	28.3	0.3	4	-21.66	-22.69	110	16	12	-21.74	No Change; None; Good; 458061
GRNVL54R	2/26/2014 8:38	63.8	29.7	0.3	6.2	-16.48	-16.52	111	16	19	-16.61	No Change; None; Good; 458061
GRNVL54R	3/11/2014 9:44	66.4	31.4	0.3	1.9	-12.34	-12.34	116	35	34	-12.47	No Change; None; Good; 458061
GRNVL54R	3/26/2014 9:07	66.3	30.2	0.5	3	-15.62	-15.62	114	41	41	-16.13	No Change; None; Good; 458061
GRNVL54R	4/9/2014 8:16	65	32.6	0.2	2.2	-17.17	-17.17	112	28	27	-17.26	No Change; No Repair Needed; Good; 458061
GRNVL54R	5/29/2014 8:30	66.5	33.5	0	0	2.16	2.16	78	0	0	2.11	No Change; No Repair Needed; Good; 458061; vacuum isolated
GRNVL54R	5/29/2014 8:30	67	33	0	0	2.16	2.16	78	0	0	2.11	2nd Reading; No Repair Needed; Good
GRNVL54R	6/9/2014 10:30	67.1	31.8	0	1.1	-20.49	-20.66	115	17	16	-20.58	No Change; No Repair Needed; Good; 458061
GRNVL54R	6/24/2014 8:06	58.6	30.1	0.1	11.2	-14.15	-14.06	112	34	34	-14.15	No Change; Needs New Regulator; Good; 458061
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
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
GRNVL64R	6/5/2013 8:47	58.7	41.2	0	0.1	-26.7	-31.3	74	7	8	-33.39	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL64R	6/5/2013 8:50	57.5	41.3	0	1.2	-31.3	-31.5	74	8	11	-33.51	No Change made in Valve Position
GRNVL64R	6/27/2013 14:03	58.9	39.1	0.6	1.4	-18	-18.4	73	28	28	-18.31	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL64R	6/27/2013 14:06	59.4	39.3	0.4	0.9	-18.2	-18.2	75	26	16	-18.49	No Change made in Valve Position
GRNVL64R	7/10/2013 14:50	58.4	41.5	0	0.1	-17	-17.2	87	7		-17.09	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL64R	7/10/2013 14:54	58.4	41.5	0	0.1	-17.1	-17.1	87	6	7	-17.12	No Change made in Valve Position
GRNVL64R	7/25/2013 7:13	59.9	40	0	0.1	-15	-14.9	78	13	13	-15	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL64R	7/25/2013 7:17	59.8	40.1	0	0.1	-15.2	-15.2	78	29	30	-15.36	No Change made in Valve Position
GRNVL64R	8/7/2013 12:35	60.9	39	0	0.1	-18.5	-18.4	91	20	15	-18.76	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL64R	8/7/2013 12:38	60.6	39.3	0	0.1	-18.5	-18.3	91	26	23	-18.44	No Change made in Valve Position
GRNVL64R	8/22/2013 14:42	59.8	39.9	0.2	0.1	-32.7	-32.7	86			-32.56	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL64R	8/22/2013 14:45	59.7	40.2	0	0.1	-32.7	-32.2	87	5	1	-32.8	No Change made in Valve Position
GRNVL64R	8/28/2013 10:31	62.2	37.4	0.3	0.1	-41.9	-42.5	89	7	12	-41.86	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVL64R	8/28/2013 10:33	61.8	38.1	0	0.1	-42.8	-42	89	20	18	-40.08	No Change made in Valve Position
GRNVL64R	8/29/2013 16:10	59.3	39.3	0.1	1.3	-32.8	-33	89	18	17	-32.67	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVL64R	8/29/2013 16:13	60.2	39.7	0	0.1	-33	-33	90	18	15	-33.27	No Change made in Valve Position
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

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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	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
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	6/4/2013 9:33	34.8	26.7	4.6	33.9	-0.1	-0.1	70	12	9	-32.03	No Change made in Valve Position; Valve Barely Open
GRNVLHW1	6/27/2013 8:18	59.9	40	0	0.1	0	-0.1	72	14	16	-16.25	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW1	6/27/2013 8:21	60.2	39.7	0	0.1	-0.1	-0.1	72	16	16	-16.73	No Change made in Valve Position; Valve Barely Open
GRNVLHW1	7/10/2013 8:48	37.5	29.2	2.4	30.9	-0.1	-0.1	81	16	15	-15.36	No Change made in Valve Position; Valve Barely Open
GRNVLHW1	7/24/2013 8:24	53.2	35.2	0.2	11.4	0	-0.1	87	9	13	-10.37	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW1	7/24/2013 8:27	52.7	35.3	0	12	-0.1	-0.2	88	16	16	-11.68	No Change made in Valve Position
GRNVLHW1	8/6/2013 15:26	20.3	17.9	7	54.8	-0.2	-0.1	98	18	18	-14.38	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLHW1	8/6/2013 16:36	19.6	17.9	6.9	55.6	-0.1	0	98	16		-15.2	Fully Closed; Mod. closed less than 1/2 turn
GRNVLHW1	8/6/2013 16:39	19.7	17.4	7.1	55.8	0	0	96			-15.31	Fully Closed No Change; Closed for AORP
GRNVLHW1	8/23/2013 8:10	60.9	39	0	0.1	0	-0.1	71		10	-27.53	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW1	8/23/2013 8:15	61	38.9	0	0.1	-0.1	-0.1	80	11	11	-27.2	No Change made in Valve Position
GRNVLHW1	8/29/2013 9:31	27.1	24.7	3.1	45.1	-0.1	-0.1	81	12	10	-28.56	No Change made in Valve Position; Valve Barely Open
GRNVLHW1	8/30/2013 9:33	33.3	27.2	3	36.5	0	-0.1	87	23	19	-28.37	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW1	8/30/2013 9:39	34	27.5	2.7	35.8	-0.1	-0.2	87	16	20	-26.82	No Change made in Valve Position
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

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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	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
GRNVLHW2	6/4/2013 8:53	59.5	40.4	0	0.1	0	-0.1	71		16	-32.23	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW2	6/4/2013 15:14	19	14.3	11.8	54.9	-0.1	0	73	14		-32.33	Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLHW2	6/4/2013 15:16	20.6	15.2	11.2	53	0	0	75			-32.22	No Change made in Valve Position; Closed for AORP
GRNVLHW2	6/27/2013 8:05	58.7	41.2	0	0.1	0	-0.1	70	11	10	-16.24	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Valve Barely Open
GRNVLHW2	6/27/2013 8:10	58.4	41.5	0	0.1	-0.1	-0.1	68	10	7	-16.3	No Change made in Valve Position; Valve Barely Open
GRNVLHW2	7/9/2013 13:28	53.1	37	0.2	9.7	0	-0.1	91	4	9	-18.34	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW2	7/9/2013 13:33	44.5	32.2	1.8	21.5	-0.1	-0.1	90	9	8	-18.4	No Change made in Valve Position
GRNVLHW2	7/24/2013 7:24	51.8	37.1	0.4	10.7	-0.1	-0.1	85	1	8	-11.74	No Change made in Valve Position
GRNVLHW2	8/6/2013 14:32	18.2	15.6	9.6	56.6	0	-0.1	93	20	18	-13.68	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW2	8/6/2013 16:44	17.7	15.4	9.7	57.2	-0.1	0	92	15	5	-16.03	Fully Closed; Mod. closed less than 1/2 turn
GRNVLHW2	8/6/2013 16:47	18	15.5	9.7	56.8	0	0	91			-16.07	Fully Closed No Change; Closed for AORP
GRNVLHW2	8/23/2013 7:27	59.4	40.5	0	0.1	0	-0.1	74	5	11	-29.74	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLHW2	8/23/2013 7:31	59.2	40.7	0	0.1	-0.1	-0.1	80	10	11	-29.04	No Change made in Valve Position; Valve Barely Open
GRNVLHW2	8/29/2013 9:08	2.7	6.1	15.2	76	0	-0.1	83	11	14	-29.4	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVLHW2	8/29/2013 11:47	8	8.1	14.3	69.6	-0.2	0	86	11		-28.53	Fully Closed; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLHW2	8/29/2013 11:50	7.5	7.9	14.2	70.4	0	0	84			-28.92	Fully Closed No Change; Closed for AORP
GRNVLHW2	8/30/2013 9:08	30.7	25	5.3	39	0	-0.1	74		15	-29.18	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW2	8/30/2013 13:00	3.5	4.8	17.1	74.6	-0.1	0	87	17	5	-28.35	Dec Flow/Vacuum; Fully Closed; Mod. closed less than 1/2 turn
GRNVLHW2	8/30/2013 13:03	3	4.3	17.3	75.4	0	0	89	8	6	-28.66	No Change made in Valve Position; Closed for AORP
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

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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	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
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
GRNVLHW3	6/4/2013 15:42	37.8	25	6.6	30.6	-0.1	-0.2	84	8	13	-25.93	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVLHW3	6/4/2013 15:44	35.2	23.4	7.3	34.1	-0.2	-0.2	83	14	15	-29.65	Surging; No Change made in Valve Position
GRNVLHW3	6/12/2013 17:07	17.4	13.7	13.2	55.7	-1.4	-0.1	86	40	8	-17.22	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVLHW3	6/12/2013 17:09	19	15.6	12.3	53.1	-0.2	-0.1	87	9	8	-19.74	No Change made in Valve Position
GRNVLHW3	6/27/2013 10:56	59.5	40.4	0	0.1	0.1	-0.1	85	9	13	-2.01	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Insufficient Available Vacuum
GRNVLHW3	6/27/2013 11:01	60.6	39.3	0	0.1	-0.1	-0.1	85	15	14	-1.81	No Change made in Valve Position
GRNVLHW3	7/10/2013 15:04	58.6	41.3	0	0.1	0.5	0.5	94	10	8	0.6	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW3	7/10/2013 15:07	57.9	42	0	0.1	0.5	0.6	94	9	9	0.55	No Change made in Valve Position
GRNVLHW3	7/15/2013 13:07	59.4	40.2	0.2	0.2	0.4	0.4	102	18	18	0.32	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW3	7/15/2013 13:10	59.6	40.3	0	0.1	0.3	0.3	103	18	17	0.36	No Change made in Valve Position
GRNVLHW3	7/24/2013 14:21	55.8	39.3	0	4.9	0.8	0.8	90	18	17	0.85	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum

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
GRNVLHW3	7/24/2013 14:24	56.7	39.8	0	3.5	0.9	0.9	90	17	16	0.87	No Change made in Valve Position
GRNVLHW3	8/7/2013 11:53	59.5	40.3	0.1	0.1	0.1	0.1	93	15	14	0.25	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW3	8/7/2013 11:56	59.1	40.8	0	0.1	0.2	0.2	93	13	13	0.14	No Change made in Valve Position
GRNVLHW3	8/22/2013 13:53	59.6	40.1	0.2	0.1	0.4	0.4	92	13	13	0.34	NSPS/EG CAI; No Change made in Valve Position
GRNVLHW3	8/22/2013 13:56	60	39.9	0	0.1	0.4	0.4	92	12	12	0.43	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW3	8/28/2013 8:39	59.6	40.3	0	0.1	0.1	0	87	15	14	-0.03	NSPS/EG CAI; No Change made in Valve Position; User Defined Comments
GRNVLHW3	8/28/2013 8:41	60	39.9	0	0.1	0.1	0.1	87	17	16	0.05	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum; User Defined Comments
GRNVLHW3	8/29/2013 15:20	58.7	40.7	0	0.6	0.6	0.6	91	14	14	0.67	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW3	8/29/2013 15:23	58.2	40.7	0	1.1	0.6	0.6	91	14	15	0.63	No Change made in Valve Position
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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
GRNVLHW4	6/4/2013 15:50	47.2	34.6	2.6	15.6	-0.1	-0.1	86	5	6	-28.31	Surging; No Change made in Valve Position
GRNVLHW4	6/12/2013 17:15	57.8	42	0	0.2	0	-0.1	92	3	7	-19.56	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW4	6/12/2013 17:18	58.2	41.7	0	0.1	-0.1	-0.1	88	11	10	-18.38	No Change made in Valve Position; Valve Barely Open
GRNVLHW4	6/27/2013 13:01	58.2	41.3	0.3	0.2	0.2	-0.1	91	30	15	-1.09	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW4	6/27/2013 13:12	59.1	40.4	0.4	0.1	-0.1	-0.1	91			-1.01	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW4	7/10/2013 15:12	59.2	40.7	0	0.1	0.5	0.4	96	11	10	0.52	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW4	7/10/2013 15:15	58.6	41.3	0	0.1	0.5	0.5	96	11	10	0.51	No Change made in Valve Position
GRNVLHW4	7/15/2013 13:13	60	39.9	0	0.1	0.3	0.4	103	18	18	0.3	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW4	7/15/2013 13:16	59.9	40	0	0.1	0.3	0.3	104	18	18	0.32	No Change made in Valve Position
GRNVLHW4	7/24/2013 14:29	57.7	39.8	0	2.5	0.8	0.8	90	16	16	0.92	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW4	7/24/2013 14:32	57.9	39.6	0	2.5	0.8	0.8	88	18	17	0.85	No Change made in Valve Position
GRNVLHW4	8/7/2013 11:58	59	40.9	0	0.1	0.2	0.2	92	14	13	0.16	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW4	8/7/2013 12:01	58.6	41.3	0	0.1	0.2	0.2	93	14	14	0.23	No Change made in Valve Position
GRNVLHW4	8/22/2013 13:59	60	39.8	0	0.2	0.3	0.3	93	15	14	0.36	NSPS/EG CAI; No Change made in Valve Position
GRNVLHW4	8/22/2013 14:01	60	39.9	0	0.1	0.3	0.3	94	17	17	0.43	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW4	8/28/2013 8:45	58.8	41.1	0	0.1	0.1	0.1	87	16	17	-0.34	NSPS/EG CAI; No Change made in Valve Position; User Defined Comments
GRNVLHW4	8/28/2013 8:47	58.9	40.6	0.3	0.2	0.1	0.1	88	16	15	-0.02	NSPS/EG CAI; No Change made in Valve Position; User Defined Comments
GRNVLHW4	8/29/2013 15:26	57.8	41.5	0	0.7	0.6	0.6	91	14	15	0.64	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW4	8/29/2013 15:29	57.5	41.3	0	1.2	0.6	0.6	91			0.64	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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
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
GRNVLHW5	6/4/2013 15:57	38.1	24.9	6.8	30.2	-0.2	-0.1	83	19	15	-29.73	NSPS/EG CAI; Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLHW5	6/4/2013 16:01	40.5	26.5	5.8	27.2	-0.1	-0.1	82	14	13	-30.42	Surging; No Change made in Valve Position
GRNVLHW5	6/12/2013 17:23	60.1	39.7	0	0.2	0	-0.1	89	12	16	-20.4	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLHW5	6/12/2013 17:26	60.2	39.7	0	0.1	-0.1	-0.1	86	14	16	-19.62	No Change made in Valve Position; Surging
GRNVLHW5	6/27/2013 13:15	61.4	38	0.4	0.2	0.2	0.2	81	15	14	-1.04	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW5	6/27/2013 13:20	61.6	38.3	0	0.1	0.1	0.1	81	16	16	-0.66	Insufficient Available Vacuum
GRNVLHW5	7/1/2013 16:31	62.3	37.1	0.4	0.2	0.1	0.2	95	8	8	-0.81	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW5	7/1/2013 16:35	62.3	37.5	0	0.2	0.2	0.4	95	9	2	-0.82	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW5	7/10/2013 15:21	59.5	40.4	0	0.1	0.4	0.4	95	12	12	0.56	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	7/10/2013 15:25	59.5	40.4	0	0.1	0.5	0.4	94	12	11	0.53	No Change made in Valve Position
GRNVLHW5	7/24/2013 14:36	59.2	38	0	2.8	0.7	0.7	85	20	19	0.92	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW5	7/24/2013 14:39	58.8	38	0	3.2	0.8	0.7	87	19	19	0.91	No Change made in Valve Position
GRNVLHW5	8/7/2013 12:04	59.4	40.5	0	0.1	0.1	0.1	98	16	15	0.18	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW5	8/7/2013 12:07	59.4	40.5	0	0.1	0.1	0.1	101	16	16	0.22	No Change made in Valve Position
GRNVLHW5	8/22/2013 14:05	59.1	40.7	0	0.2	0.3	0.2	95	16	16	0.38	NSPS/EG CAI; No Change made in Valve Position
GRNVLHW5	8/22/2013 14:08	59.8	40.1	0	0.1	0.2	0.3	95	16	15	0.32	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW5	8/28/2013 8:49	62.1	37.8	0	0.1	0	0.1	82	17	17	-0.31	No Change made in Valve Position; NSPS/EG CAI; User Defined Comments
GRNVLHW5	8/28/2013 8:52	62.1	37.8	0	0.1	0	0	81	16	16	-0.25	User Defined Comments; No Change made in Valve Position
GRNVLHW5	8/29/2013 15:33	58.4	40.8	0	0.8	0.2	0.2	89	15	15	0.62	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW5	8/29/2013 15:36	57.8	40.5	0	1.7	0.2	0.3	89	16	16	0.57	No Change made in Valve Position
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	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
GRNVLHW6	6/4/2013 16:10	33.9	24.5	5.6	36	0	-0.1	82	6	11	-27.11	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVLHW6	6/4/2013 16:12	30	22.3	6.3	41.4	-0.1	-0.1	80	12	10	-28.22	Surging; No Change made in Valve Position
GRNVLHW6	6/12/2013 17:30	37.8	30	1.9	30.3	-0.1	-0.1	86	6	6	-18.73	Surging; No Change made in Valve Position; Valve Barely Open
GRNVLHW6	6/27/2013 13:24	61.7	37.6	0.3	0.4	0.2	0.2	79	14	15	-0.75	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW6	6/27/2013 13:27	61.9	37.8	0	0.3	0.2	0.2	79	16	14	-0.49	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW6	7/1/2013 16:39	61.4	38.3	0.1	0.2	0	0	94	3		-0.68	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW6	7/1/2013 16:42	62.2	37.7	0	0.1	0	0.1	94	4	2	-0.67	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW6	7/10/2013 15:31	58.3	41.6	0	0.1	0.4	0.4	93	11	10	0.51	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW6	7/10/2013 15:35	58.2	41.7	0	0.1	0.4	0.4	92	10	9	0.54	No Change made in Valve Position
GRNVLHW6	7/24/2013 14:45	58.3	38.3	0	3.4	1.3	1.3	88	19	19	0.9	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW6	7/24/2013 14:48	58.4	38.2	0	3.4	1.3	1.3	88	19	20	0.9	No Change made in Valve Position
GRNVLHW6	8/7/2013 12:10	60.8	39.1	0	0.1	0.2	0.1	99	17	17	0.2	NSPS/EG CAI; No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW6	8/7/2013 12:13	61	38.9	0	0.1	0.2	0.2	100	16	16	0.22	No Change made in Valve Position
GRNVLHW6	8/22/2013 14:12	59.7	40.1	0	0.2	0.2	0.3	95	16	16	0.34	NSPS/EG CAI; No Change made in Valve Position
GRNVLHW6	8/22/2013 14:15	60.1	39.8	0	0.1	0.3	0.3	94	16	16	0.39	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLHW6	8/28/2013 8:54	61.1	38.8	0	0.1	0	0	82	14	12	-0.33	No Change made in Valve Position; User Defined Comments
GRNVLHW6	8/28/2013 8:57	61.3	38.6	0	0.1	0	0	82	16	14	-0.41	No Change made in Valve Position; NSPS/EG CAI; User Defined Comments
GRNVLHW6	8/29/2013 15:40	57.8	41.3	0	0.9	0.2	0.2	88	14	12	0.6	No Change made in Valve Position; NSPS/EG CAI; Insufficient Available Vacuum
GRNVLHW6	8/29/2013 15:43	57.5	41.1	0	1.4	0.2	0.2	87	14	15	0.61	No Change made in Valve Position
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
06/01/2013 through 06/30/2014

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
GRNVLHW7	6/9/2014 9:54	22.2	20.3	11.6	45.9	-7.89	-0.26	89	170	36	-17.47	Slightly Closed; No Repair Needed; Fair
GRNVLHW7	6/9/2014 9:55	30.5	24.3	8.2	37	-0.25	-0.23	90	36	31	-21.23	2nd Reading; No Repair Needed; Fair
GRNVLHW7	6/9/2014 13:47	55.7	37.6	0.6	6.1	-0.27	-0.24	90	36	31	-21.18	No Change; No Repair Needed; Good
GRNVLHW7	6/24/2014 7:21	59	39.7	0	1.3	-0.31	-0.5	90	44	51	-20.84	Slightly Open; No Repair Needed; Good
GRNVLHW7	6/24/2014 7:22	59.3	39.6	0	1.1	-0.49	-0.49	90	46	51	-21.27	2nd Reading; No Repair Needed; Good
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
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
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

Green Valley Landfill
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06/01/2013 through 06/30/2014

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
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
GRNVLY01	6/4/2013 13:47	56.4	34.4	0.4	8.8	-5.7	-6.1	106	10	12	-30.1	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	6/4/2013 13:50	57.7	35.7	0.1	6.5	-6.3	-6.4	107	13	14	-29.72	No Change made in Valve Position
GRNVLY01	6/26/2013 16:14	62.8	36.1	0.1	1	-3.4	-4.5	108	9	11	-17.04	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	6/26/2013 16:16	63.2	36.7	0	0.1	-4.7	-4.6	110	12	9	-16.96	No Change made in Valve Position
GRNVLY01	7/9/2013 16:38	61.8	36.7	0	1.5	-5.2	-6	112	7	11	-17.45	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	7/9/2013 16:42	62.3	37.6	0	0.1	-6.3	-6.4	114	10	13	-17.36	No Change made in Valve Position
GRNVLY01	7/24/2013 12:46	57.2	37.5	0	5.3	-6.2	-6.2	113	21	21	-14.06	No Change made in Valve Position
GRNVLY01	8/7/2013 16:01	58.5	37.5	0	4	-6	-6.4	112	14	15	-14.2	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY01	8/7/2013 16:04	59.8	38	0	2.2	-6.9	-6.9	113	13	12	-13.85	No Change made in Valve Position
GRNVLY01	8/23/2013 10:54	47	37.3	0	15.7	-14.7	-14.2	114	20	17	-31	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY01	8/23/2013 10:57	46	36.7	0	17.3	-14	-14	114	17	17	-29.56	No Change made in Valve Position
GRNVLY01	8/29/2013 14:07	44	35.1	0	20.9	-13	-12.4	113	18	17	-30.37	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY01	8/29/2013 14:10	43.9	34.9	0	21.2	-12	-12	113	16	16	-30.02	No Change made in Valve Position
GRNVLY01	8/30/2013 12:44	46.4	35.5	0.1	18	-10.6	-9.9	113	15	14	-30.51	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY01	8/30/2013 12:46	45	34.4	0	20.6	-9.6	-9.5	112	14	14	-30.29	No Change made in Valve Position
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
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
GRNVLY02	6/4/2013 13:41	49.8	33.9	1	15.3	-13	-13	116	27	26	-29.2	No Change made in Valve Position
GRNVLY02	6/26/2013 16:07	54.3	33.7	0.7	11.3	-8.3	-8.2	117	21	20	-17.66	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY02	7/9/2013 16:46	55.9	34.7	0	9.4	-8.1	-8.2	115	19	20	-17.16	No Change made in Valve Position
GRNVLY02	7/24/2013 12:42	51.7	35.3	0.7	12.3	-7.1	-7.1	118	23	23	-13.82	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
GRNVLY02	8/7/2013 15:57	50.3	34.2	1	14.5	-6.3	-6.3	120	15	15	-13.97	No Change made in Valve Position
GRNVLY02	8/23/2013 10:49	49	36.6	0	14.4	-12.7	-12.7	120	26	23	-28.81	No Change made in Valve Position
GRNVLY02	8/29/2013 13:59	47.3	35.6	0.1	17	-12	-11.4	120	30	24	-29.27	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY02	8/29/2013 14:02	47.4	35.8	0	16.8	-11.3	-11.3	120	24	26	-32.36	No Change made in Valve Position; Surging
GRNVLY02	8/30/2013 12:39	48.2	35.3	0.2	16.3	-10.3	-10.4	120	25	24	-30.5	No Change made in Valve Position
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
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
GRNVLY03	6/4/2013 8:29	60.1	38.1	0	1.8	-31.6	-32.2	108	27	26	-32.5	Surging; Fully Opened No Change
GRNVLY03	6/26/2013 13:10	60.4	39.5	0	0.1	-1.5	-2.1	97			-19.54	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	6/26/2013 13:13	60.5	39.4	0	0.1	-2.2	-2.2	98			-19.45	No Change made in Valve Position; User Defined Comments
GRNVLY03	7/9/2013 13:09	60.4	39.5	0	0.1	-2.3	-2.8	105			-19.15	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	7/9/2013 13:12	60.4	39.5	0	0.1	-2.8	-2.8	105			-19.21	No Change made in Valve Position
GRNVLY03	7/24/2013 7:06	60.2	39.7	0	0.1	-2.1	-2.5	91			-12.1	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	7/24/2013 7:09	59.6	40.3	0	0.1	-2.4	-2.4	92			-11.88	No Change made in Valve Position
GRNVLY03	8/6/2013 14:19	60.8	38.9	0.1	0.2	-3.8	-4.9	87			-13.48	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	8/6/2013 14:23	60.7	39.2	0	0.1	-4.9	-4.9	89			-13.79	No Change made in Valve Position
GRNVLY03	8/23/2013 7:09	59.3	40.6	0	0.1	-11.7	-13.3	81	16	16	-30.39	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	8/23/2013 7:13	59.2	40.7	0	0.1	-13.3	-13.5	87	12	14	-31.24	No Change made in Valve Position
GRNVLY03	8/29/2013 8:52	59.9	40	0	0.1	-14.3	-15.7	79	1	1		Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	8/29/2013 8:56	59.2	40.7	0	0.1	-15.8	-15.8	83				No Change made in Valve Position
GRNVLY03	8/30/2013 8:51	59.6	40.2	0	0.2	-14.9	-16.9	85				Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY03	8/30/2013 8:54	59.3	40.6	0	0.1	-16.9	-17	89				No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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
GRNVLY04	6/4/2013 13:26	22	20.9	5.2	51.9	-15.3	-14.2	118	45	31	-27.58	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY04	6/4/2013 13:29	20	19.2	6.4	54.4	-13.6	-13.7	117	35	33	-26.48	Surging; No Change made in Valve Position
GRNVLY04	6/12/2013 14:03	21	18.3	7.2	53.5	-9.6	-7.9	116	27	12	-21.73	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY04	6/12/2013 14:05	14.8	13.5	10.5	61.2	-7.6	-7.5	112	14	15	-20.77	No Change made in Valve Position
GRNVLY04	6/26/2013 15:53	19.4	14.9	9.4	56.3	-5.2	-5.6	113	5	14	-17.25	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY04	6/26/2013 15:56	23	17.3	8	51.7	-5.8	-5.8	116	15	13	-17.69	No Change made in Valve Position
GRNVLY04	7/10/2013 9:30	19.4	16.8	8.8	55	-6.3	-7.2	119	38	25	-15.59	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY04	7/10/2013 9:33	24.1	21.1	5.6	49.2	-7.4	-7.4	122	25	24	-15.67	No Change made in Valve Position
GRNVLY04	7/24/2013 12:24	20.7	19.1	7	53.2	-6.9	-8.2	125	29	45	-12.96	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY04	7/24/2013 12:28	24.2	22.3	4.9	48.6	-8.6	-8.5	127	44	44	-12.98	No Change made in Valve Position
GRNVLY04	8/7/2013 15:44	23.7	20.5	5.8	50	-8.2	-8.8	125	44	52	-13.22	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY04	8/7/2013 15:48	24.3	21.3	4.9	49.5	-8.9	-8.9	127	51	50	-13.17	No Change made in Valve Position
GRNVLY04	8/23/2013 10:36	18.3	19.2	6.6	55.9	-15.9	-11.6	127	74	8	-25.64	Dec Flow/Vacuum; NSPS/EG CAI; Closed greater than 1 turn
GRNVLY04	8/23/2013 10:40	7.9	9.1	14.3	68.7	-10	-10.1	125	16	12	-26.52	No Change made in Valve Position; Surging
GRNVLY04	8/29/2013 13:44	9.5	10.4	13	67.1	-7.5	-6.5	125	20	8	-27.96	NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn
GRNVLY04	8/29/2013 13:47	7	8.5	14.1	70.4	-6.3	-6.3	118	10	10	-26.95	Surging; No Change made in Valve Position
GRNVLY04	8/30/2013 12:24	8.2	8.8	13.5	69.5	-5.4	-7.9	111	7	34	-26.42	Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY04	8/30/2013 12:28	17.7	16.7	8	57.6	-8.4	-8.5	127	36	34	-26.75	No Change made in Valve Position
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	9/26/2013 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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	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
GRNVLY05	6/4/2013 13:33	3.2	2.5	19.1	75.2	-27.8	-28.5	89	14	12	-28.29	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY05	6/4/2013 13:37	3.2	2.3	19.4	75.1	-29.8	-28.4	90	13	6	-28.51	Surging; No Change made in Valve Position; NSPS/EG CAI
GRNVLY05	6/26/2013 16:00	4.7	2.8	19	73.5	-18.4	-19.1	94		13	-17.94	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY05	6/26/2013 16:03	4.5	2.7	18.8	74	-18.2	-18.8	94			-17.22	No Change made in Valve Position
GRNVLY05	7/10/2013 9:37	5.6	4	18.6	71.8	-15.7	-15.8	81	2	11	-15.83	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVLY05	7/10/2013 9:40	1.3	1.1	20.4	77.2	-15.9	-15.9	81	5	6	-15.94	No Change made in Valve Position
GRNVLY05	7/24/2013 12:33	1.3	1.3	20.7	76.7	-13.4	-13.5	82	14	11	-13.5	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY05	7/24/2013 12:37	2	2	19.7	76.3	-13.4	-13.4	82	6	9	-13.43	No Change made in Valve Position
GRNVLY05	8/7/2013 15:51	2.6	1.8	19.6	76	-13.5	-13.7	91	13		-13.72	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY05	8/7/2013 15:54	5.8	3.8	18.4	72	-13.5	-13.4	91			-13.47	No Change made in Valve Position; Valve Barely Open
GRNVLY05	8/23/2013 10:43	8.3	6.8	16.8	68.1	-29.7	-28.6	80			-29.2	NSPS/EG CAI; Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY05	8/23/2013 10:46	7.4	6	17.3	69.3	-28.4	-28.9	80	9	16	-28.95	No Change made in Valve Position; Valve Barely Open
GRNVLY05	8/29/2013 13:51	11.7	9.1	15.3	63.9	-28.3	-28.6	86	13		-28.18	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVLY05	8/29/2013 13:53	10.9	8.3	15.9	64.9	-28.5	-29.9	86	13		-28.76	No Change made in Valve Position
GRNVLY05	8/30/2013 12:32	15.5	11.4	13.7	59.4	-27.4	-28	91	12		-28.74	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVLY05	8/30/2013 12:35	12.5	9.4	14.8	63.3	-27.5	-29.1	90	28	13	-29.05	No Change made in Valve Position
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	6/4/2013 9:15	53.7	36.7	0	9.6	-28.8	-29.8	111	36	15	-31.72	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY12	6/4/2013 9:19	53.5	36.9	0	9.6	-29.3	-29.6	111	13	14	-31.67	Surging; No Change made in Valve Position
GRNVLY12	6/26/2013 13:43	56.4	36.9	0	6.7	-19.5	-19.7	110	10	9	-20.84	No Change made in Valve Position
GRNVLY12	7/9/2013 13:53	53.6	36.2	0	10.2	-15.6	-15.6	112	13	12	-16.07	No Change made in Valve Position
GRNVLY12	7/24/2013 8:02	54	37.5	0	8.5	-10.3	-10.2	106	38	42	-10.46	No Change made in Valve Position
GRNVLY12	8/6/2013 15:04	45.5	34.2	0.5	19.8	-13.2	-12.6	110	15	14	-14.13	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY12	8/6/2013 15:07	45.1	34.2	0.2	20.5	-12.4	-12.3	110	9	7	-13.97	No Change made in Valve Position
GRNVLY12	8/23/2013 8:00	51.1	36	0	12.9	-24.7	-24.6	111	30	31	-28.21	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
GRNVLY12	8/29/2013 9:23	45	35.7	0	19.3	-24.5	-23	111	17	15	-28.63	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY12	8/29/2013 9:26	45.8	36.1	0	18.1	-23.3	-23.2	110	14	14	-28.17	No Change made in Valve Position
GRNVLY12	8/30/2013 9:25	47.2	35.6	0.1	17.1	-22.6	-21.7	111		10	-28.22	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY12	8/30/2013 9:28	47.6	36	0	16.4	-21.2	-21.2	111	14	17	-28.31	No Change made in Valve Position
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
GRNVLY16	6/4/2013 14:52	53.5	34.9	0.8	10.8	-19.4	-20	106	9	12	-19.53	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY16	6/4/2013 14:55	53.4	35.4	0.5	10.7	-19.5	-19.7	106	4	13	-19.46	No Change made in Valve Position
GRNVLY16	6/27/2013 15:16	54.1	35.3	0.3	10.3	-14.8	-14.9	81	9	9	-14.77	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY16	7/10/2013 9:09	53.6	36.7	0	9.7	-14.6	-14.6	96	14	15	-14.79	No Change made in Valve Position
GRNVLY16	7/24/2013 13:22	53.8	36.5	0	9.7	-12.2	-12.3	107	99	99	-12.32	No Change made in Valve Position
GRNVLY16	8/7/2013 15:16	60.1	38	0	1.9	-12.4	-12.4	108	12	11	-12.37	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY16	8/7/2013 15:19	61.3	38.6	0	0.1	-12.3	-12.3	107	12	11	-12.13	No Change made in Valve Position
GRNVLY16	8/23/2013 11:31	55.1	38.1	0	6.8	-18.7	-19.2	107	10	10	-19.27	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY16	8/23/2013 11:34	55.3	38.2	0	6.5	-18.6	-18.7	107	10	12	-19.38	No Change made in Valve Position
GRNVLY16	8/29/2013 14:54	50.5	37.2	0	12.3	-19.2	-18.7	108	21	17	-19.02	No Change made in Valve Position
GRNVLY16	8/30/2013 11:57	49.1	37.2	0	13.7	-18.7	-19.1	107	13	13	-19.2	No Change made in Valve Position
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
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

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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
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
GRNVLY19	6/4/2013 10:20	48.9	33	0.4	17.7	-16.1	-16.1	98	37	38	-20.74	No Change made in Valve Position
GRNVLY19	6/26/2013 14:23	48.7	32.8	0.2	18.3	-8.8	-8.8	99	24	24	-10.61	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY19	7/9/2013 14:29	52.2	34.3	0	13.5	-12.6	-12.5	101	30	28	-15.46	No Change made in Valve Position
GRNVLY19	7/24/2013 8:52	54.4	35.9	0	9.7	-10.2	-10.1	100	26	26	-12.46	No Change made in Valve Position
GRNVLY19	8/6/2013 15:44	52.9	33.8	0.2	13.1	-9	-9	102	27	28	-11	No Change made in Valve Position
GRNVLY19	8/23/2013 8:43	48.4	34.5	0	17.1	-14.6	-14.6	100	30	32	-19.33	No Change made in Valve Position
GRNVLY19	8/29/2013 10:07	41.6	32.9	0.1	25.4	-14.9	-14.3	100	40	38	-19.48	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY19	8/29/2013 10:10	42.1	32.7	0	25.2	-14.3	-14.1	100	36	37	-19.42	Surging; No Change made in Valve Position
GRNVLY19	8/30/2013 10:05	44	33.1	0.6	22.3	-13.8	-11.4	100	36	30	-18.66	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY19	8/30/2013 10:08	44.2	32.8	0.1	22.9	-11.5	-11.8	100	29	29	-18.84	No Change made in Valve Position
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
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

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
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
GRNVLY20	6/4/2013 10:36	49.5	35	0	15.5	-2.6	-2.7	109	25	25	-19.95	No Change made in Valve Position
GRNVLY20	6/26/2013 14:36	53	35.6	0	11.4	-1.2	-1.3	109	27	27	-14.71	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY20	7/9/2013 14:45	55	36.4	0	8.6	-1.3	-1.3	112	24	23	-15.43	No Change made in Valve Position
GRNVLY20	7/24/2013 9:05	58.6	38.5	0	2.9	-1.1	-1.3	111	20	28	-12.23	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY20	7/24/2013 9:09	59	38.7	0	2.3	-1.3	-1.4	111	27	27	-12.32	No Change made in Valve Position
GRNVLY20	8/6/2013 15:58	55.2	37	0.1	7.7	-1.1	-1.2	112	28	28	-11.14	No Change made in Valve Position
GRNVLY20	8/23/2013 8:56	52.6	37.4	0	10	-3.2	-3.2	111	22	31	-18.69	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY20	8/23/2013 8:59	52.6	37.5	0	9.9	-3.3	-3.2	111	33	35	-18.88	No Change made in Valve Position
GRNVLY20	8/29/2013 10:22	47.3	36.3	0	16.4	-4.1	-3.9	111	40	34	-19.49	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY20	8/29/2013 10:25	47.3	36.8	0	15.9	-3.9	-3.9	111	35	35	-19.28	No Change made in Valve Position
GRNVLY20	8/30/2013 10:18	49.1	36.5	0	14.4	-3.2	-3.3	111	33	33	-18.72	No Change made in Valve Position
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
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06/01/2013 through 06/30/2014

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
GRNVLY21	6/4/2013 14:24	46.7	33.2	0.3	19.8	-18.3	-17.5	102	41	36	-19.81	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY21	6/4/2013 14:26	46.9	33.8	0.1	19.2	-17.7	-17.5	103	41	39	-19.76	No Change made in Valve Position
GRNVLY21	6/27/2013 14:59	49.4	33.5	0.8	16.3	-13.4	-13.3	105	46	44	-14.84	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY21	7/9/2013 14:52	50.1	33.7	0	16.2	-13.7	-13.8	105	33	35	-15.46	No Change made in Valve Position
GRNVLY21	7/24/2013 9:15	52.9	35.8	0	11.3	-11.2	-11.2	104	27	28	-12.44	No Change made in Valve Position
GRNVLY21	8/6/2013 16:03	50	34.5	0.2	15.3	-9.9	-10.1	104	39	40	-11.04	No Change made in Valve Position
GRNVLY21	8/23/2013 9:04	49.3	35.6	0	15.1	-17.4	-17.5	104	45	49	-18.96	No Change made in Valve Position
GRNVLY21	8/29/2013 10:30	45	34.5	0	20.5	-17.3	-17.2	103	40	38	-18.63	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY21	8/29/2013 10:33	45.1	34.6	0	20.3	-17	-17.2	103	38	38	-20.08	No Change made in Valve Position
GRNVLY21	8/30/2013 10:23	47	34.9	0.1	18	-16.6	-16.2	103	43	41	-19.44	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY21	8/30/2013 10:26	47.3	35	0	17.7	-16.2	-16.3	103	43	41	-19.44	Surging; No Change made in Valve Position
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
GRNVLY22	6/4/2013 14:31	49.8	34.4	0.1	15.7	-18.3	-18.4	86	24	25	-20.18	Surging; No Change made in Valve Position
GRNVLY22	6/27/2013 15:04	55.5	33.4	0.6	10.5	-13.8	-13.9	87	30	29	-15.04	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY22	7/10/2013 8:56	50.4	34.9	0	14.7	-13.6	-13.7	87	24	23	-14.74	No Change made in Valve Position
GRNVLY22	7/24/2013 13:06	50.7	34.9	0	14.4	-11.4	-11.3	87	28	26	-12.17	No Change made in Valve Position
GRNVLY22	8/7/2013 15:03	54	35.3	0	10.7	-11.8	-11.8	88	27	27	-12.74	No Change made in Valve Position
GRNVLY22	8/23/2013 11:17	48.9	36.5	0	14.6	-17.9	-18.1	86	30	31	-19.96	No Change made in Valve Position
GRNVLY22	8/29/2013 14:37	45.8	35.1	0	19.1	-17.9	-17.5	87	31	26	-19.34	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY22	8/29/2013 14:40	45	35	0	20	-17.2	-17.3	87	26	27	-20.18	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	8/30/2013 11:42	44.3	35.4	0	20.3	-16.6	-15.8	87	31	23	-19.26	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY22	8/30/2013 11:45	44.1	35.2	0	20.7	-15.5	-15.5	86	27	25	-19.92	No Change made in Valve Position
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
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
GRNVLY23	6/4/2013 14:41	57.6	36.3	0.2	5.9	-2.9	-4.2	87	41	50	-20.05	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY23	6/4/2013 14:45	58.8	37.2	0.1	3.9	-4.6	-4.6	90	48	48	-18.68	No Change made in Valve Position
GRNVLY23	6/27/2013 15:10	51.4	34.5	0.6	13.5	-3.7	-3.7	91	19	13	-15.07	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY23	7/10/2013 9:01	51.8	36.1	0	12.1	-3.8	-3.7	90	19	22	-14.77	No Change made in Valve Position
GRNVLY23	7/24/2013 13:15	54.5	36.1	0	9.4	-3.5	-3.5	91	26	26	-12.44	No Change made in Valve Position
GRNVLY23	8/7/2013 15:08	61.2	37.2	0	1.6	-3	-3.5	92	17	21	-12.39	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY23	8/7/2013 15:11	62.1	37.8	0	0.1	-3.7	-3.7	92	22	23	-12.49	No Change made in Valve Position
GRNVLY23	8/23/2013 11:23	54.6	38.5	0	6.9	-7.5	-8	91	29	65	-19.09	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY23	8/23/2013 11:26	55.5	38.4	0	6.1	-8	-8.1	91	29	32	-18.31	No Change made in Valve Position
GRNVLY23	8/29/2013 14:49	48.8	37	0	14.2	-8.2	-8.1	91	33	31	-18.83	No Change made in Valve Position
GRNVLY23	8/30/2013 11:49	47.5	37.2	0	15.3	-8	-7.6	91	25	23	-19.47	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY23	8/30/2013 11:52	47.3	37.5	0	15.2	-7.5	-7.4	91	23	24	-18.75	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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
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
GRNVLY24	6/4/2013 8:34	48.5	33.5	0	18	-5.2	-5.1	101	18	18	-33.01	No Change made in Valve Position
GRNVLY24	6/26/2013 13:18	61.2	38.7	0	0.1	0	-0.1	104	21	22	-19.88	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY24	6/26/2013 13:21	60.8	39.1	0	0.1	-0.2	-0.2	105	39	39	-19.34	No Change made in Valve Position
GRNVLY24	7/9/2013 13:17	61.2	38.7	0	0.1	-0.3	-0.6	107	22	35	-19.06	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY24	7/9/2013 13:20	61	38.9	0	0.1	-0.8	-0.8	107	27	28	-18.82	No Change made in Valve Position
GRNVLY24	7/24/2013 7:14	60.5	39.4	0	0.1	-0.9	-1.3	105	20	26	-11.88	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY24	7/24/2013 7:17	60.4	39.5	0	0.1	-1.6	-1.5	105	25	24	-11.7	No Change made in Valve Position
GRNVLY24	8/6/2013 14:26	55.5	36.9	0	7.6	-2.4	-2.4	92	31	31	-13.96	No Change made in Valve Position
GRNVLY24	8/23/2013 7:17	56.7	38.7	0	4.6	-7.6	-8.1	105	37	43	-29.86	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY24	8/23/2013 7:20	57.3	38.6	0	4.1	-8.3	-8.4	106	43	43	-30.46	No Change made in Valve Position
GRNVLY24	8/29/2013 9:00	45.8	35.8	0	18.4	-9.5	-9.2	106	38	36	-30.42	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY24	8/29/2013 9:03	45.1	35.5	0	19.4	-9.2	-9.1	105	34	33	-29.46	No Change made in Valve Position
GRNVLY24	8/30/2013 8:58	47.5	35.5	0.3	16.7	-8.4	-7.8	105	33	25	-30.52	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY24	8/30/2013 9:01	46.6	35.4	0	18	-7.5	-7.6	105	23	24	-30.22	No Change made in Valve Position
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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
GRNVLY25	6/4/2013 8:22	62	37.9	0	0.1	-0.5	-0.8	72	9	9	-31.69	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	6/4/2013 8:25	61.9	38	0	0.1	-0.8	-0.9	74	8	6	-31.95	No Change made in Valve Position; Valve Barely Open
GRNVLY25	6/26/2013 13:02	59.3	40.6	0	0.1	0.2	-0.1	91	17	17	-19.35	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	6/26/2013 13:05	59.3	40.6	0	0.1	-0.4	-0.4	93	17	16	-19.76	No Change made in Valve Position; Valve Barely Open
GRNVLY25	7/9/2013 13:01	60.3	39.6	0	0.1	-0.3	-0.6	101	17	16	-18.69	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	7/9/2013 13:04	59.6	40.3	0	0.1	-0.7	-0.7	102	17	16	-18.61	No Change made in Valve Position
GRNVLY25	7/24/2013 6:57	59.7	40.2	0	0.1	-0.8	-1.4	92	14	25	-11.98	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	7/24/2013 7:00	59.6	40.3	0	0.1	-1.4	-1.4	95	13	12	-12.01	No Change made in Valve Position
GRNVLY25	8/6/2013 14:11	58	39.3	0	2.7	-1.9	-2.4	91	19	18	-13.27	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	8/6/2013 14:14	58.4	39.4	0	2.2	-2.8	-2.7	92	18	18	-13.43	No Change made in Valve Position
GRNVLY25	8/23/2013 7:01	56.8	39.8	0	3.4	-6.6	-7.7	108	11	11	-30.85	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	8/23/2013 7:04	56.9	39.8	0	3.3	-8.1	-8.1	109	13	11	-30.21	No Change made in Valve Position
GRNVLY25	8/29/2013 8:45	50.5	37.9	0	11.6	-8.5	-8.4	109			-29.96	No Change made in Valve Position
GRNVLY25	8/30/2013 8:43	53.7	39	0.1	7.2	-8.4	-10	111	14	11	-29.59	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY25	8/30/2013 8:45	53.1	38.5	0	8.4	-10.6	-10.5	112	8	8	-28.98	No Change made in Valve Position
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

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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	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
GRNVLY28	6/4/2013 9:06	59.2	40.6	0.1	0.1	0	-0.8	74	9	30	-31.77	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	6/4/2013 9:09	58.6	41.3	0	0.1	-0.9	-1.1	84	12	11	-31.61	No Change made in Valve Position; Valve Barely Open
GRNVLY28	6/26/2013 13:36	59.3	40.5	0	0.2	0.6	-0.1	104		28	-21.09	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	6/26/2013 13:40	59.4	40.5	0	0.1	-0.6	-0.6	111	11	11	-21.98	No Change made in Valve Position
GRNVLY28	7/9/2013 13:47	58.9	40.7	0	0.4	-1.5	-2.2	116	35	12	-16.65	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	7/9/2013 13:50	59.7	40.2	0	0.1	-2.5	-2.5	117	28	31	-16.42	No Change made in Valve Position
GRNVLY28	7/24/2013 7:53	59.2	40.7	0	0.1	-2.6	-3.1	110	32	31	-10.96	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	7/24/2013 7:57	58.8	40.6	0	0.6	-3.6	-3.7	113	28	26	-10.68	No Change made in Valve Position
GRNVLY28	8/6/2013 14:47	51.8	37.4	0	10.8	-5.3	-5.4	101	39	18	-13.45	No Change made in Valve Position
GRNVLY28	8/23/2013 7:43	54.2	39.4	0	6.4	-12.1	-13	112	19	25	-28.5	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY28	8/23/2013 7:46	52.9	38.9	0	8.2	-13.6	-13.6	113	24	24	-28.63	No Change made in Valve Position
GRNVLY28	8/29/2013 9:18	49.1	37.7	0	13.2	-14.4	-14.6	112	23	23	-27.87	No Change made in Valve Position
GRNVLY28	8/30/2013 9:20	50.6	36.8	0.5	12.1	-14	-14	112	22	23	-26.5	No Change made in Valve Position
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
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

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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	6/4/2013 9:52	59.9	40	0	0.1	0.1	-0.2	75			-31.32	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY29	6/4/2013 9:55	57.4	37.7	0.7	4.2	-0.1	-0.1	78			-31.22	No Change made in Valve Position; Valve Barely Open
GRNVLY29	6/26/2013 14:03	58.3	39.6	0	2.1	0.3	-0.2	101	10	34	-17.57	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY29	6/26/2013 14:05	56.8	38.5	0	4.7	-0.2	-0.2	107	34	34	-17.88	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY29	7/9/2013 14:08	57.7	37.2	0.2	4.9	-0.1	-0.2	115	11	10	-16.06	No Change made in Valve Position
GRNVLY29	7/24/2013 7:44	57.5	38.9	0.5	3.1	-0.2	-0.3	103	7	6	-10.84	No Change made in Valve Position
GRNVLY29	8/6/2013 14:52	57.6	37.8	0.6	4	-0.2	-0.2	92	12	13	-13.38	No Change made in Valve Position
GRNVLY29	8/23/2013 7:53	57.8	38.9	0.4	2.9	-0.9	-2.2	106	21	25	-28.22	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY29	8/23/2013 7:56	60.2	39.2	0	0.6	-2.4	-2.4	116	23	25	-27.29	No Change made in Valve Position
GRNVLY29	8/29/2013 9:49	53.4	37.7	0.4	8.5	-2.8	-3.5	119	11	13	-28.15	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY29	8/29/2013 9:52	52.8	37.6	0.5	9.1	-4	-3.9	121	14	14	-28.83	No Change made in Valve Position
GRNVLY29	8/30/2013 8:29	53.5	37.4	0.4	8.7	-4.3	-4.9	122	17	18	-27.21	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY29	8/30/2013 8:32	54.9	38.2	0.1	6.8	-5	-5	122	19	19	-27.3	No Change made in Valve Position
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
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
GRNVLY30	6/4/2013 9:25	41.8	30.8	2.3	25.1	-2	-1.8	84	1		-31.18	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY30	6/4/2013 9:29	41.1	30.3	2.5	26.1	-2	-1.9	85	4	4	-30.53	No Change made in Valve Position; Valve Barely Open
GRNVLY30	6/26/2013 13:47	55.2	36.7	0.5	7.6	-0.5	-0.5	97	6	5	-16.74	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY30	7/9/2013 13:59	56.4	37.8	0	5.8	-0.5	-0.5	99	9	8	-14.46	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
GRNVLY30	7/24/2013 8:09	59.8	38.9	0	1.3	-0.4	-1.2	74		25	-10.41	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; Valve Barely Open
GRNVLY30	7/24/2013 8:13	53.8	37.1	0	9.1	-1.5	-1.5	101	32	35	-10.73	No Change made in Valve Position
GRNVLY30	8/6/2013 15:12	37.9	31.4	1.4	29.3	-1.8	-1.6	116	8		-14.28	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY30	8/6/2013 15:15	38.2	31.5	1.2	29.1	-1.5	-1.5	114	31	31	-13.81	No Change made in Valve Position
GRNVLY30	8/23/2013 8:05	48.2	34	1	16.8	-2.9	-2.9	109	38	39	-28.25	No Change made in Valve Position
GRNVLY30	8/29/2013 9:36	39.4	32.5	1.6	26.5	-3	-2.7	111	9	6	-27.73	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY30	8/29/2013 9:40	41.9	33.6	1.2	23.3	-2.5	-2.6	107	16	5	-28.25	No Change made in Valve Position
GRNVLY30	8/30/2013 9:43	46.5	35	1	17.5	-1.9	-1.9	105	8	2	-27.75	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY30	8/30/2013 9:46	46.4	35	0.7	17.9	-1.8	-1.8	103	3	3	-26.71	No Change made in Valve Position; Valve Barely Open
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
GRNVLY31	6/4/2013 10:02	52.9	34.9	0	12.2	-30.8	-31	112	24	22	-31.01	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY31	6/4/2013 10:05	53	34.9	0	12.1	-31.1	-30.8	112	21	22	-31	No Change made in Valve Position
GRNVLY31	6/26/2013 14:11	62.3	37	0	0.7	-6.5	-6.8	106			-17.54	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	6/26/2013 14:14	62.5	36.9	0	0.6	-6.9	-6.9	108			-17.66	No Change made in Valve Position; Insufficient Available Vacuum; User Defined Comments
GRNVLY31	7/9/2013 14:15	62.6	37.2	0	0.2	-6	-6.8	110	3	5	-16.03	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	7/9/2013 14:19	62.4	37.5	0	0.1	-7.1	-7.1	112	5	4	-16.08	No Change made in Valve Position
GRNVLY31	7/24/2013 8:38	61.3	38.6	0	0.1	-5.4	-5.7	104	3	3	-12.3	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
GRNVLY31	7/24/2013 8:42	60.8	39.1	0	0.1	-5.9	-6	105	5	5	-12.68	No Change made in Valve Position
GRNVLY31	8/6/2013 15:32	62.4	37.4	0.1	0.1	-7.1	-7.6	91	4	6	-14.01	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	8/6/2013 15:35	62.3	37.6	0	0.1	-7.7	-7.8	95	6	4	-14.27	No Change made in Valve Position
GRNVLY31	8/23/2013 8:24	61	38.9	0	0.1	-13.8	-14.7	82			-28.36	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	8/23/2013 8:27	60.4	39.5	0	0.1	-15	-15.1	91			-27.84	No Change made in Valve Position
GRNVLY31	8/29/2013 9:56	61.1	38.8	0	0.1	-15.7	-17	82	8	8		Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	8/29/2013 9:59	60.5	39.4	0	0.1	-17.5	-17.6	89	10	11		No Change made in Valve Position; Surging
GRNVLY31	8/30/2013 9:53	60	39.9	0	0.1	-18.2	-19.3	86	10	13		Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY31	8/30/2013 9:56	60.1	39.8	0	0.1	-19.7	-19.7	91	12	12		No Change made in Valve Position
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
GRNVLY33	6/4/2013 11:04	33.9	25.1	3.9	37.1	-3.1	-2.5	119	19	8	-20.25	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY33	6/4/2013 11:07	22.5	19.4	7	51.1	-2.3	-3.2	114	9	25	-19.95	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY33	6/4/2013 11:09	35.3	25.9	3.5	35.3	-3.3	-3.3	118	27	28	-19.58	No Change made in Valve Position
GRNVLY33	6/26/2013 14:56	26.6	19.4	6.2	47.8	-0.4	-0.6	107			-14.72	Inc Flow/Vacuum; NSPS/EG CAI; Slightly Opened less than 1/4 turn
GRNVLY33	6/26/2013 14:59	37.2	25.2	3.2	34.4	-0.6	-0.6	114			-14.59	No Change made in Valve Position; Valve Barely Open; User Defined Comments
GRNVLY33	7/9/2013 15:18	29.3	21.1	5.4	44.2	-0.3	-0.5	113	2		-15.22	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY33	7/9/2013 15:22	39.9	27	2.5	30.6	-0.5	-0.5	120			-15.01	No Change made in Valve Position; Valve Barely Open
GRNVLY33	7/24/2013 9:49	31.1	22.5	6.6	39.8	-0.6	-0.9	108	7	7	-11.92	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY33	7/24/2013 9:52	42.1	28.7	3.3	25.9	-1.1	-1	118	5	6	-11.46	No Change made in Valve Position
GRNVLY33	8/7/2013 14:56	34.9	23.8	6.2	35.1	-0.9	-1.1	100	8	16	-12.46	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
GRNVLY33	8/7/2013 14:59	42.2	28.4	4.2	25.2	-1.3	-1.3	110	15	15	-12.5	No Change made in Valve Position
GRNVLY33	8/23/2013 9:34	18.1	13.8	12.2	55.9	-2.8	-3.1	96			-18.79	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY33	8/23/2013 9:37	21.9	16.5	10.2	51.4	-3.1	-3.1	103			-18.85	No Change made in Valve Position
GRNVLY33	8/29/2013 11:05	13.6	11	13.5	61.9	-3.5	-2.6	95	23	5		NSPS/EG CAI; Dec Flow/Vacuum; Closed greater than 1 turn
GRNVLY33	8/29/2013 11:09	2.2	2.5	18.8	76.5	-2	-1.9	90	15	16		No Change made in Valve Position
GRNVLY33	8/30/2013 11:34	2	3	18.7	76.3	-1.6	-2.2	84	3	19		Inc Flow/Vacuum; NSPS/EG CAI; Mod. Opened less than 1/2 turn
GRNVLY33	8/30/2013 11:37	12.8	11.7	12.8	62.7	-2.4	-2.3	97	18	19		No Change made in Valve Position
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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
GRNVLY34	6/4/2013 10:11	52.3	34.7	0	13	-4.3	-5.4	106	27	9	-29.94	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY34	6/4/2013 10:15	52.7	35.1	0	12.2	-5.9	-5.8	107	10	10	-30.28	Surging; No Change made in Valve Position
GRNVLY34	6/26/2013 14:18	52	34.8	0.1	13.1	-3.9	-3.8	108	11	14	-17.1	No Change made in Valve Position
GRNVLY34	7/9/2013 14:23	55.4	35.8	0	8.8	-3.7	-3.7	111	8	8	-16.23	No Change made in Valve Position
GRNVLY34	7/24/2013 8:47	57.7	37.6	0	4.7	-3.2	-3.2	108	82	78	-12.78	No Change made in Valve Position
GRNVLY34	8/6/2013 15:40	56.3	35.6	0.3	7.8	-3.2	-3.3	109	21	17	-14.28	No Change made in Valve Position
GRNVLY34	8/23/2013 8:32	54.6	37.4	0	8	-5.8	-6.2	108	10	32	-26.82	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY34	8/23/2013 8:35	54.3	37.3	0	8.4	-6.4	-6.4	109	14	14	-26.04	No Change made in Valve Position
GRNVLY34	8/29/2013 10:02	49.2	36.3	0	14.5	-6.9	-6.9	109	12	11	-26.81	No Change made in Valve Position
GRNVLY34	8/30/2013 9:59	49.7	36.6	0.1	13.6	-6.6	-6.8	110	23	22	-27.13	No Change made in Valve Position
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
GRNVLY35	6/4/2013 13:01	48.7	32.2	2.7	16.4	-1.8	-1.7	112	7	7	-20.32	No Change made in Valve Position
GRNVLY35	6/26/2013 15:09	52.6	34.2	0.5	12.7	-0.1	-0.1	119	28	28	-15.45	No Change made in Valve Position; Insufficient Available Vacuum

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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	7/9/2013 16:06	56.8	36.1	0	7.1	-0.1	-0.1	124	28		-15.8	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY35	7/9/2013 16:09	56.2	36.5	0	7.3	-0.1	-0.1	124			-15.78	No Change made in Valve Position; Valve Barely Open
GRNVLY35	7/24/2013 10:23	45.8	32.9	1.4	19.9	-0.8	-0.7	127	27		-12.76	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY35	7/24/2013 10:27	43	31.7	1.8	23.5	-0.7	-0.6	108			-12.84	No Change made in Valve Position; Valve Barely Open
GRNVLY35	8/7/2013 14:48	58.9	41	0	0.1	0	-0.1	104		27	-12.95	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY35	8/7/2013 14:51	59	40.9	0	0.1	-0.2	-0.2	110	15	12	-13.05	No Change made in Valve Position
GRNVLY35	8/23/2013 9:42	52.4	34.8	1.3	11.5	-1.9	-1.9	127	37	38	-18.88	No Change made in Valve Position
GRNVLY35	8/29/2013 11:13	49	35.2	1.7	14.1	-2.2	-2.1	125	10	9	-20.5	No Change made in Valve Position
GRNVLY35	8/30/2013 11:27	46.1	34.7	1.8	17.4	-1.6	-1.5	129	14	25	-19.24	Surging; Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY35	8/30/2013 11:30	46.7	34.9	1.5	16.9	-1.4	-1.5	127	13	13	-20.31	No Change made in Valve Position
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
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
GRNVLY36	6/4/2013 14:09	55.2	35	0.2	9.6	-7.6	-7.6	128	20	20	-19.75	Surging; No Change made in Valve Position
GRNVLY36	6/26/2013 16:27	56.2	33.9	0	9.9	-4.4	-4.4	129	16	15	-13.3	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY36	7/10/2013 9:15	55.8	35.6	0	8.6	-5	-5	131	30	28	-14.95	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY36	7/10/2013 9:18	57.2	36	0	6.8	-4.8	-4.8	130	33	33	-14.85	No Change made in Valve Position
GRNVLY36	7/24/2013 13:00	57.2	36.4	0	6.4	-4.4	-4.4	129	28	32	-12.2	No Change made in Valve Position
GRNVLY36	8/7/2013 15:24	62.5	37.3	0	0.2	-3.6	-3.6	129	37	37	-12.69	No Change made in Valve Position
GRNVLY36	8/23/2013 11:10	57.3	37.9	0	4.8	-7.2	-7.2	129	21	20	-19.47	No Change made in Valve Position

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
GRNVLY36	8/29/2013 14:28	53.8	36.8	0	9.4	-6.9	-7.8	129	19	24	-18.92	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn; HOV (140 deg. F)
GRNVLY36	8/29/2013 14:31	54.8	37	0	8.2	-8.1	-8.1	132	24	25	-18.87	No Change made in Valve Position
GRNVLY36	8/30/2013 12:04	50.6	34.6	1.2	13.6	-8.4	-8.5	132		10	-18.49	Surging; No Change made in Valve Position; HOV (140 deg. F)
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
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
GRNVLY37	6/4/2013 14:16	47	31.8	0.4	20.8	-10	-9	92	24	19	-20.07	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY37	6/4/2013 14:19	46.9	32	0	21.1	-8.6	-8.5	91	20	20	-19.63	No Change made in Valve Position
GRNVLY37	6/26/2013 16:32	47.5	30.6	0	21.9	-4.5	-4.2	92	15	13	-13.2	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY37	6/26/2013 16:37	47.7	30.6	0	21.7	-4	-4	92	15	14	-13.86	No Change made in Valve Position
GRNVLY37	7/9/2013 14:57	48.5	31.1	0	20.4	-4.5	-4.6	94	9	10	-15.46	No Change made in Valve Position
GRNVLY37	7/24/2013 9:22	54.2	33.3	0	12.5	-3.9	-3.9	90	9	10	-12.72	No Change made in Valve Position
GRNVLY37	8/6/2013 16:08	53.6	32.9	0	13.5	-3.2	-3.2	93	13	13	-11.54	No Change made in Valve Position
GRNVLY37	8/23/2013 9:09	50.5	34.1	0	15.4	-6.9	-6.8	91	11	10	-18.95	No Change made in Valve Position
GRNVLY37	8/29/2013 10:37	44.4	33.2	0	22.4	-7.6	-7.4	90	16	13	-19.19	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY37	8/29/2013 10:40	44.7	33.6	0	21.7	-7.3	-7.3	89	12	13	-19.47	No Change made in Valve Position
GRNVLY37	8/30/2013 10:30	46.5	32.9	0.1	20.5	-6.3	-6	90	13	11	-18.43	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY37	8/30/2013 10:33	46.7	33.6	0	19.7	-5.8	-5.9	89	11	11	-19.41	No Change made in Valve Position
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

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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	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
GRNVLY55	6/5/2013 10:58	60.4	37.5	0	2.1	-32.2	-32.3	110	23	24	-32.67	Fully Opened No Change
GRNVLY55	6/27/2013 9:27	61	38.9	0	0.1	-17.3	-17.4	109	28	29	-17.74	Fully Opened No Change
GRNVLY55	7/10/2013 10:44	61.7	38.2	0	0.1	-17.5	-17.4	105	22	22	-17.69	Fully Opened No Change
GRNVLY55	7/25/2013 9:29	59.7	36.5	0	3.8	-14.7	-14.7	111	20	21	-14.85	Fully Opened No Change
GRNVLY55	8/7/2013 13:45	57.4	34.3	0	8.3	-18	-18.1	112	22	22	-18.14	Fully Opened No Change
GRNVLY55	8/22/2013 16:13	47.8	32.1	0	20.1	-32	-31.9	113	33	33	-32.36	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY55	8/22/2013 16:16	47.4	32.2	0	20.4	-32.2	-32	113	37	37	-32.15	No Change made in Valve Position
GRNVLY55	8/28/2013 9:30	49.3	32.7	0	18	-41.1	-41.3	110	42	42	-42.26	No Change made in Valve Position
GRNVLY55	8/30/2013 7:31	48	33.8	0	18.2	-32.4	-32.9	111	34	34	-33.25	No Change made in Valve Position
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

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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
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
GRNVLY56	6/5/2013 10:52	59.6	35.3	0.1	5	-33.3	-32.9	99	8	10	-32.85	Fully Opened No Change
GRNVLY56	6/27/2013 9:34	62.4	37.3	0	0.3	-22.9	-23.1	88	9	11	-23.22	Fully Opened No Change
GRNVLY56	7/10/2013 10:51	62.5	37.4	0	0.1	-17.9	-17.8	86	15	15	-17.85	Fully Opened No Change
GRNVLY56	7/25/2013 9:18	63.1	36.8	0	0.1	-15	-14.8	94	9	8	-14.86	Fully Opened No Change
GRNVLY56	8/7/2013 13:41	63.5	36.4	0	0.1	-18	-18.1	100	8	7	-18.15	Fully Opened No Change
GRNVLY56	8/22/2013 16:06	62.5	36.7	0	0.8	-32.7	-32.5	103	14	13	-32.63	Fully Opened No Change
GRNVLY56	8/28/2013 9:36	62	36.9	0	1.1	-41.5	-41.6	98	22	20	-41.16	No Change made in Valve Position; Fully Opened No Change
GRNVLY56	8/30/2013 7:26	62.2	37.4	0.1	0.3	-32.4	-32.6	94	14	14	-32.69	Fully Opened No Change
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
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
GRNVLY57	6/4/2013 16:35	45.9	34	0.4	19.7	-25.2	-24	101	18	14	-33.38	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY57	6/4/2013 16:38	46.4	33.8	0.2	19.6	-23.1	-23	101	16	14	-32.87	No Change made in Valve Position
GRNVLY57	6/27/2013 10:13	50.7	35.3	0.6	13.4	-14.1	-14.1	99	10	9	-18.8	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY57	7/10/2013 13:40	56.8	37.6	0	5.6	-13	-12.9	102	12	9	-17.67	No Change made in Valve Position
GRNVLY57	7/25/2013 8:44	61.4	38.3	0	0.3	-11.5	-13	100	8	9	-15.13	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY57	7/25/2013 8:47	62	37.9	0	0.1	-13.3	-13.3	101	9	6	-15.07	No Change made in Valve Position
GRNVLY57	8/7/2013 13:24	50.7	34.2	0	15.1	-16.4	-16.4	102	14	21	-18.42	No Change made in Valve Position
GRNVLY57	8/22/2013 15:44	49	35.3	0.1	15.6	-27.5	-27.6	103	20	15	-32.75	No Change made in Valve Position
GRNVLY57	8/28/2013 9:51	45.8	33.8	0	20.4	-35	-34.8	101	27	26	-42.63	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY57	8/28/2013 9:53	45.6	33.9	0	20.5	-35	-34.9	101	24	21	-42.02	No Change made in Valve Position
GRNVLY57	8/29/2013 17:12	44.4	33.4	0	22.2	-27.5	-25	103	25	22	-33.33	Dec Flow/Vacuum; Mod. closed 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
GRNVLY57	8/29/2013 17:15	44.7	33.5	0	21.8	-24.5	-24.5	103	24	23	-32.7	No Change made in Valve Position
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
GRNVLY58	6/4/2013 16:29	50.7	32.2	2.8	14.3	-2	-2	109	37	42	-33.04	No Change made in Valve Position
GRNVLY58	6/27/2013 10:29	60.2	38.7	0.1	1	-0.4	-0.6	104			-19.64	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY58	6/27/2013 10:33	59.2	38.1	0.2	2.5	-0.6	-0.6	103	18	20	-19.93	No Change made in Valve Position
GRNVLY58	7/10/2013 12:15	60.4	36.6	0.6	2.4	-0.5	-0.9	112	14	14	-16.95	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY58	7/10/2013 12:21	58.7	35.8	0.6	4.9	-0.9	-0.8	112	11	15	-17.02	No Change made in Valve Position
GRNVLY58	7/25/2013 8:32	60.6	36.6	0.6	2.2	-0.8	-1	110		40	-15.57	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY58	7/25/2013 8:38	59.8	36.7	0.8	2.7	-1.3	-1.2	110			-15.53	No Change made in Valve Position
GRNVLY58	8/7/2013 13:18	47.4	30.5	3.6	18.5	-2.9	-2.7	111	70	74	-18.91	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY58	8/7/2013 13:21	48.1	30.5	3.1	18.3	-2.6	-2.6	111	57	56	-18.75	No Change made in Valve Position
GRNVLY58	8/22/2013 15:37	45.9	29.6	3.9	20.6	-4.2	-3.4	111	91	90	-32.77	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY58	8/22/2013 15:40	47.2	30.1	3.6	19.1	-3.3	-3.3	112	104	102	-33.06	No Change made in Valve Position
GRNVLY58	8/28/2013 9:57	41.4	27.1	4.9	26.6	-4.2	-3.9	86	132	126	-42.65	NSPS/EG CAI; Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY58	8/28/2013 9:59	41.6	27.5	4.8	26.1	-3.8	-3.7	84	124	122	-44.12	No Change made in Valve Position
GRNVLY58	8/29/2013 17:02	44.5	30.7	3.2	21.6	-2.6	-2.3	111	110	101	-32.91	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY58	8/29/2013 17:04	46.6	31.1	2.9	19.4	-2.1	-2.2	112	101	99	-33.18	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
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
GRNVLY59	6/5/2013 8:32	53.2	23.7	0	23.1	-32.7	-32.5	116	12	11	-33.17	Fully Opened No Change
GRNVLY59	6/27/2013 14:16	66.9	27.5	0.7	4.9	-18.1	-18.1	96	20	20	-18.55	Fully Opened No Change
GRNVLY59	7/10/2013 14:09	67.9	29.1	0	3	-17.2	-17.2	110	11	10	-17.37	Fully Opened No Change
GRNVLY59	7/25/2013 6:52	68.6	31.3	0	0.1	-14.8	-14.9	105	29	27	-15.02	Fully Opened No Change
GRNVLY59	8/7/2013 12:24	70.2	29.7	0	0.1	-18.4	-18.3	113	21	20	-18.63	Fully Opened No Change
GRNVLY59	8/22/2013 14:30	67.2	30.4	0	2.4	-32.1	-32.1	109	17	17	-32.68	Fully Opened No Change
GRNVLY59	8/28/2013 10:29	67.2	28.2	0	4.6	-43.1	-42.8	113	25		-43.53	No Change made in Valve Position; Fully Opened No Change
GRNVLY59	8/29/2013 15:58	63.5	29.4	0	7.1	-32.8	-32.9	109	33	34	-33.37	Fully Opened No Change
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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	6/5/2013 9:08	51.2	26.6	2.8	19.4	-32.7	-32.9	73	11	9	-33.01	No Change made in Valve Position
GRNVLY60	6/27/2013 13:50	62.1	28.7	1.2	8	-18.4	-18.6	73	18	17	-18.49	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY60	6/27/2013 13:52	61.1	29.1	1.2	8.6	-18.4	-18.4	74	16	17	-18.43	No Change made in Valve Position
GRNVLY60	7/10/2013 14:28	58.7	28.4	1.4	11.5	-17.4	-17.4	89	10	9	-17.37	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	7/10/2013 14:31	58.5	28.7	1.4	11.4	-17.5	-17.5	87	9	7	-17.5	No Change made in Valve Position
GRNVLY60	7/25/2013 7:27	69.5	30.4	0	0.1	-15	-15	65	4	6	-15.04	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	7/25/2013 7:32	69.2	30.7	0	0.1	-15.1	-15	68			-15.13	No Change made in Valve Position
GRNVLY60	8/7/2013 12:44	64.7	27.6	0.8	6.9	-18.3	-18.3	87	23	18	-18.19	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	8/7/2013 12:47	66	28	0.4	5.6	-18.2	-18.2	88	19	18	-18.26	No Change made in Valve Position
GRNVLY60	8/22/2013 14:51	63.5	36.1	0.2	0.2	-32.4	-32.4	88	7	7	-32.62	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	8/22/2013 14:54	64	35.8	0	0.2	-32.8	-32.6	89	9	6	-32.41	No Change made in Valve Position
GRNVLY60	8/28/2013 10:39	69	27.2	0.5	3.3	-43	-42.9	88	21		-43.03	No Change made in Valve Position; Fully Opened No Change
GRNVLY60	8/29/2013 16:21	64	26.8	0.9	8.3	-32.5	-32.4	88	22	19	-32.69	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY60	8/29/2013 16:25	69.6	28.1	0	2.3	-33.2	-33.2	89	19	19	-33.07	No Change made in Valve Position
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

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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
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
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	6/5/2013 8:24	42.7	18.8	0.3	38.2	-17.6	-16.2	97	18	18	-32.72	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY61	6/5/2013 8:26	41.2	18.3	0.3	40.2	-16.1	-16.1	98	15	14	-33.51	No Change made in Valve Position
GRNVLY61	6/27/2013 13:32	54.7	19.4	0.8	25.1	-9.8	-9.8	89	18	21	-17.9	No Change made in Valve Position; Insufficient Available Vacuum
GRNVLY61	7/10/2013 14:03	58.8	20.1	0	21.1	-9.6	-10.7	97	12	10	-17.56	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY61	7/10/2013 14:06	59.5	20.4	0	20.1	-10.9	-10.9	96	12	11	-17.41	No Change made in Valve Position
GRNVLY61	7/25/2013 6:40	69.2	20.7	0.3	9.8	-9.3	-11.4	96	15	8	-15.08	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY61	7/25/2013 6:44	68.7	20.9	0	10.4	-11.5	-11.5	97	22	25	-15.09	No Change made in Valve Position
GRNVLY61	8/7/2013 12:21	51.2	18.3	0.2	30.3	-14.2	-14.2	102	21	19	-18.4	No Change made in Valve Position
GRNVLY61	8/22/2013 14:24	45.5	18.2	0.8	35.5	-23.1	-22.4	103	19	20	-32.35	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY61	8/22/2013 14:28	46.2	18.2	0.3	35.3	-22.4	-22.4	104	20	21	-32.74	No Change made in Valve Position
GRNVLY61	8/28/2013 10:10	43.3	17.2	0.2	39.3	-28.5	-27.6	107	27	25	-43.28	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY61	8/28/2013 10:12	43.1	17.2	0	39.7	-27.9	-27.8	107	27	26	-42.99	No Change made in Valve Position
GRNVLY61	8/29/2013 15:52	45.2	17.7	0.6	36.5	-22.1	-21.5	105	24	22	-32.94	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY61	8/29/2013 15:55	45.3	17.7	0.2	36.8	-21.4	-21.4	105	21	21	-32.35	No Change made in Valve Position
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

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
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
GRNVLY62	6/5/2013 9:16	55.2	38.5	0.8	5.5	-32.8	-33.3	75	6	9	-33.44	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY62	6/5/2013 9:21	54.9	38.8	0.6	5.7	-33.2	-32.8	76	8	6	-32.6	No Change made in Valve Position
GRNVLY62	6/27/2013 13:37	58.3	39.5	0.6	1.6	-18.2	-18.2	76	14	15	-18.31	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY62	6/27/2013 13:39	57.7	39	0.5	2.8	-18.4	-18.4	76	16	16	-18.4	No Change made in Valve Position
GRNVLY62	7/10/2013 14:23	51.8	37.5	1.9	8.8	-17.3	-17.4	89	8	6	-17.34	No Change made in Valve Position
GRNVLY62	7/25/2013 7:38	58.8	41.1	0	0.1	-15.3	-15.2	73	4	2	-15.44	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY62	7/25/2013 7:43	58.5	41.4	0	0.1	-15.1	-15	74			-15.11	No Change made in Valve Position
GRNVLY62	8/7/2013 12:51	56.6	38.1	0.9	4.4	-18.2	-18.2	87	8	9	-18.36	No Change made in Valve Position
GRNVLY62	8/22/2013 14:57	57.3	37.5	1.3	3.9	-32.5	-32.3	90	12	19	-32.57	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVLY62	8/22/2013 15:00	58.5	37.6	1.1	2.8	-32.7	-32.6	92	8	9	-32.62	No Change made in Valve Position
GRNVLY62	8/28/2013 10:15	56.5	35.4	1.5	6.6	-42.5	-43.8	88	20	20	-43.55	Inc Flow/Vacuum; Surging; Slightly Opened less than 1/4 turn
GRNVLY62	8/28/2013 10:19	28.6	19	10.2	42.2	-42.5	-42.3	88	19	18	-42.41	NSPS/EG CAI; Dec Flow/Vacuum; Surging; Slightly Closed less than 1/4 turn
GRNVLY62	8/28/2013 10:21	51.6	33.6	2.7	12.1	-43.8	-42.6	87	49	20	-43.37	No Change made in Valve Position
GRNVLY62	8/29/2013 16:28	55.5	36.2	1.7	6.6	-32.6	-32.7	91	19	18	-32.65	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY62	8/29/2013 16:31	54.7	36.2	1.4	7.7	-32.8	-32.8	91	17	17	-32.8	No Change made in Valve Position
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
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
GRNVLY7R	6/4/2013 13:18	0.2	0.3	20.8	78.7	-9.1	-10	86		6	-19.37	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY7R	6/4/2013 13:20	37	30.2	0.6	32.2	-10	-10.1	100	10	9	-19.46	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	6/26/2013 15:43	42.7	30.2	0.5	26.6	-5.8	-5.5	119	5	4	-14.03	Dec Flow/Vacuum; Mod. closed less than 1/2 turn
GRNVLY7R	6/26/2013 15:48	42.1	29.9	0.5	27.5	-5.4	-5.4	116		3	-13.35	No Change made in Valve Position
GRNVLY7R	7/9/2013 16:28	45.3	30.5	0.3	23.9	-6.1	-6.1	111	3		-14.26	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn; Valve Barely Open

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
GRNVLY7R	7/9/2013 16:31	43.9	30.9	0	25.2	-6.1	-6.1	110			-14.3	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	7/24/2013 12:10	40.1	32.4	0.6	26.9	-5.4	-5.3	103	14	11	-12.1	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY7R	7/24/2013 12:13	40.1	32.5	0.3	27.1	-5.3	-5.3	99	12	13	-12.07	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	8/7/2013 15:37	40.3	28.5	2.7	28.5	-4.4	-4.6	100	7	9	-11.6	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY7R	8/7/2013 15:40	45.6	33	0.3	21.1	-4.7	-4.7	105	6	6	-11.82	No Change made in Valve Position
GRNVLY7R	8/23/2013 10:28	35.9	31.2	1.2	31.7	-9	-8.6	110	3	6	-15.96	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY7R	8/23/2013 10:32	32.2	26.5	3.5	37.8	-8.8	-8.8	103	14	18	-17.08	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	8/29/2013 11:32	28	22.6	6.1	43.3	-8.3	-9	98	6	9	-19.18	NSPS/EG CAI; Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVLY7R	8/29/2013 11:35	37.6	31.6	0.1	30.7	-9	-9	115	10	14	-19.05	No Change made in Valve Position; Valve Barely Open
GRNVLY7R	8/30/2013 12:16	36.1	31.7	0.7	31.5	-8.4	-8.2	123	6	6	-17.52	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVLY7R	8/30/2013 12:19	36.1	31.7	0.4	31.8	-8.1	-8.2	122	7	6	-17.59	No Change made in Valve Position
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
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

Green Valley Landfill
Annual Rolling GCCS Monitoring Data Table
06/01/2013 through 06/30/2014

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
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
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
GRNVLYP1	8/14/2013 15:25	0	0	20.8	79.2							
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
GRNVLYP2	8/14/2013 14:32	0	0.1	20.7	79.2							
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
GRNVLYP3	8/14/2013 14:54	0	0	20.8	79.2							
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
GRNVLYP4	8/14/2013 15:14	0	0	20.7	79.3							
GRNVLYP4	11/20/2013 8:53	0	0.2	20.2	79.6							

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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
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
GRNVBOT2	6/4/2013 8:02	46.1	31.4	1.5	21	0	0	85	418	418		
GRNVBOT2	6/4/2013 17:59	44	30.6	1.7	23.7	0.2	0.1	98	135	135		
GRNVBOT2	6/5/2013 7:45	44.2	31.2	1.6	23	0.1	0.1	85	107	107		
GRNVBOT2	6/5/2013 15:51	45.9	31.6	1.3	21.2	0.3	0.3	105	197	197		
GRNVBOT2	6/12/2013 18:07	48.7	33	0.7	17.6	0.4	0.3	105	222	222		
GRNVBOT2	8/22/2013 13:36	47.7	33.7	1.4	17.2	0.8	0.8	108	351	351		
GRNVBOT2	8/22/2013 17:08	48.7	33.1	1.3	16.9	0.5	0.5	109	267	267		
GRNVBOT2	8/23/2013 6:42	46.3	33.3	1.3	19.1	0.3	0.4	94	206	206		
GRNVBOT2	8/23/2013 12:27	50.3	33.4	1.5	14.8	0.3	0.3	107	203	203		
GRNVBOT2	8/29/2013 8:18	47.9	32.2	1.8	18.1	0.3	0.3	95	190	190		
GRNVBOT2	8/29/2013 17:47	47.2	33.2	1.2	18.4	0.2	0.1	104	132	132		
GRNVBOT2	8/30/2013 6:58	45.3	33	1.4	20.3	0.2	0.2	94	155	155		
GRNVBOT2	8/30/2013 13:22	44.2	32.6	1.8	21.4	0.3	0.2	104	171	171		
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		
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
GRNVCO01	6/4/2013 10:27	54.4	32.1	2.8	10.7	-14.7	-15.5	76	7	6	-20.22	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO01	6/4/2013 10:31	55.8	32.9	2.2	9.1	-15.8	-15.8	76	7	6	-20.35	No Change made in Valve Position
GRNVCO01	6/26/2013 14:29	62.4	36.9	0	0.7	-10.8	-11.8	91	11	12	-15.06	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO01	6/26/2013 14:32	63	36.9	0	0.1	-12.1	-12.1	90	11	11	-14.81	No Change made in Valve Position
GRNVCO01	7/9/2013 14:37	62.6	37.3	0	0.1	-13.6	-14.7	97	4	5	-15.31	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO01	7/9/2013 14:42	62.6	37.3	0	0.1	-14.8	-14.8	95	8	6	-15.41	No Change made in Valve Position
GRNVCO01	7/24/2013 8:59	56	34.4	1.8	7.8	-11.6	-11.6	72	1		-12.4	No Change made in Valve Position
GRNVCO01	8/6/2013 15:50	62.1	37.4	0.3	0.2	-10.6	-10.8	95	10	8	-11.21	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO01	8/6/2013 15:54	62.4	37.5	0	0.1	-10.8	-10.8	95	2	6	-11.15	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
GRNVCO01	8/23/2013 8:48	56	34	2.4	7.6	-18.6	-18.4	79	9	11	-18.8	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVCO01	8/23/2013 8:52	55.2	34.3	2.1	8.4	-18.9	-18.3	80		5	-18.7	No Change made in Valve Position
GRNVCO01	8/29/2013 10:15	54.3	35.2	1.6	8.9	-19.3	-19.4	77	7	15	-19.61	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO01	8/29/2013 10:18	53.9	35.6	1.2	9.3	-19.3	-19.1	80	16	13	-19.1	No Change made in Valve Position
GRNVCO01	8/30/2013 10:12	58.6	36.4	1.2	3.8	-17.3	-18.2	80	19	21	-19.25	Inc Flow/Vacuum; Mod. Opened less than 1/2 turn
GRNVCO01	8/30/2013 10:15	58.4	36.8	1	3.8	-18.1	-18.6	80	12	12	-19.08	No Change made in Valve Position
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	6/12/2013 14:20	61.4	38.4	0	0.2	0.8	-7.8	93	2	5	-19.9	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO02	6/12/2013 14:23	60.2	39.7	0	0.1	-9.5	-9.6	93	7	8	-20.1	No Change made in Valve Position; Valve Barely Open
GRNVCO02	6/27/2013 8:44	60.7	36.7	0.1	2.5	-5.7	-7.6	72	13	12	-17.75	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO02	6/27/2013 8:49	56.4	36.2	0	7.4	-8	-8	72	11	11	-17.87	No Change made in Valve Position
GRNVCO02	7/10/2013 9:57	29.3	19.3	9	42.4	-9.6	-7.6	84	15	15	-18.01	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVCO02	7/10/2013 10:00	33.4	22.1	7.2	37.3	-7.4	-7.3	84	13	14	-17.75	No Change made in Valve Position
GRNVCO02	7/15/2013 11:58	36.1	23.7	6.3	33.9	-7.3	-3.5	96	15	13	-19.29	Dec Flow/Vacuum; NSPS/EG CAI; Mod. closed less than 1/2 turn
GRNVCO02	7/15/2013 12:02	44.3	28	3.5	24.2	-3.1	-3.1	96	16	17	-19.08	No Change made in Valve Position; Valve Barely Open
GRNVCO02	7/24/2013 14:01	55.9	35.2	0.3	8.6	-1.8	-2	85	19	16	-15.67	Inc Flow/Vacuum; Slightly Opened less than 1/4 turn
GRNVCO02	7/24/2013 14:04	55.4	35.4	0	9.2	-2.1	-2.2	85	16	17	-15.72	No Change made in Valve Position
GRNVCO02	8/7/2013 11:41	47.3	30.6	2.4	19.7	-1.7	-0.7	87	11	13	-18.72	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVCO02	8/7/2013 11:45	51.4	32.3	1.4	14.9	-0.6	-0.6	87	14	13	-18.57	No Change made in Valve Position; Valve Barely Open
GRNVCO02	8/22/2013 13:44	48.8	31.6	1.8	17.8	-1.8	-1.8	89	12	14	-32.55	No Change made in Valve Position; Valve Barely Open
GRNVCO02	8/28/2013 8:31	42.6	28.6	3.1	25.7	-2.2	-1.8	83	16	14	-40.08	Dec Flow/Vacuum; Slightly Closed less than 1/4 turn
GRNVCO02	8/28/2013 8:33	43	28.8	2.9	25.3	-1.9	-1.8	83	14	13	-41.37	No Change made in Valve Position
GRNVCO02	8/29/2013 15:08	48.5	32	1.8	17.7	-1.3	-1.4	88	16	15	-33.15	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

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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
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
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
GRNVLBIN	6/4/2013 7:53	45.3	31	1.5	22.2	-33.8	-33.4	79	705	705		
GRNVLBIN	6/4/2013 17:54	43.8	30.6	1.7	23.9	-33.1	-33.5	80	905	905		
GRNVLBIN	6/5/2013 7:29	44.4	31.5	1.5	22.6	-33.8	-33.7	78	820	820		
GRNVLBIN	6/5/2013 15:46	45.6	31.7	1.3	21.4	-33.3	-33.4	79	992	992		
GRNVLBIN	6/12/2013 13:30	49.8	33.9	1.1	15.2	-42.6	-39.1	78	740	740		
GRNVLBIN	6/12/2013 18:01	48.4	33.3	0.8	17.5	-33.3	-33.2	80	978	978		
GRNVLBIN	6/19/2013 9:28	44.9	31.7	1.7	21.7	-24.7	-24.8	81	708	708		
GRNVLBIN	6/26/2013 12:41	46.8	32.3	1.5	19.4	-21.3	-21.3	87	672	672		
GRNVLBIN	6/26/2013 17:19	46	32.7	1.8	19.5	-18	-18.1	94	612	612		
GRNVLBIN	6/27/2013 7:42	47.8	32.9	1.4	17.9	-18.2	-18.2	76	660	660		
GRNVLBIN	6/27/2013 17:04	48.1	33.1	1.4	17.4	-19.1	-18.9	89	691	691		
GRNVLBIN	7/1/2013 14:38	47.6	31.8	1.7	18.9	-20.6	-20.4	105	653	653		
GRNVLBIN	7/9/2013 12:47	49.4	33.3	1	16.3	-20.3	-20.3	103	643	643		
GRNVLBIN	7/9/2013 18:12	48.3	33.4	1.3	17	-18.4	-18.4	98	642	642		
GRNVLBIN	7/10/2013 8:28	48.5	32.9	1.2	17.4	-18.2	-18.3	80	630	630		
GRNVLBIN	7/10/2013 16:26	50.5	33.6	0.7	15.2	-17.2	-17.1	91	632	632		
GRNVLBIN	7/15/2013 11:43	47.5	32	1.7	18.8	-19.2	-19.2	98	636	636		
GRNVLBIN	7/15/2013 15:17	48.2	32.3	1.8	17.7	-33.1	-33.2	101	1349	1349		
GRNVLBIN	7/24/2013 6:33	48.8	33.1	1.3	16.8	-13.4	-13.3	81	475	475		
GRNVLBIN	7/24/2013 16:32	48.5	33.1	1.8	16.6	-15.3	-15.2	92	642	642		
GRNVLBIN	7/25/2013 6:23	54.3	33.5	1.5	10.7	-15.3	-15.2	77	619	619		
GRNVLBIN	7/25/2013 10:28	48.2	33.1	1.5	17.2	-14.9	-14.9	87	619	619		
GRNVLBIN	7/30/2013 8:55	50.3	32.7	1.9	15.1	-15.9	-15.8	71	613	613		
GRNVLBIN	8/6/2013 13:00	46	32.8	1.7	19.5	-18.1	-18.1	102	735	735		
GRNVLBIN	8/6/2013 17:05	48.9	33.6	1.1	16.4	-17.5	-17.5	95	663	663		
GRNVLBIN	8/7/2013 11:25	46.8	32.4	1.7	19.1	-21.3	-21.7	93	751	751		

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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
GRNVLBIN	8/7/2013 16:30	47.6	33.3	1.1	18	-15.5	-15.5	94	668	668		
GRNVLBIN	8/12/2013 12:29	50.4	32.8	2.1	14.7	-15.4	-15.4	96	666	666		
GRNVLBIN	8/20/2013 9:21	48	33.5	1.6	16.9	-41.2	-42.2	82	1490	1490		
GRNVLBIN	8/22/2013 13:31	46.7	33.4	1.5	18.4	-33.1	-33.4	89	1054	1054		
GRNVLBIN	8/22/2013 17:02	48	32.9	1.6	17.5	-33.1	-33.1	89	1035	1035		
GRNVLBIN	8/23/2013 6:37	46	32.9	1.4	19.7	-33.3	-33.5	86	915	915		
GRNVLBIN	8/23/2013 12:22	47.9	33.2	1.6	17.3	-33.2	-32.6	88	1003	1003		
GRNVLBIN	8/28/2013 8:15	44.4	32.5	1.3	21.8	-39.3	-40	80	1496	1496		
GRNVLBIN	8/28/2013 10:56	44.1	32	1.6	22.3	-44.3	-45.1	97	1493	1493		
GRNVLBIN	8/29/2013 8:09	47.8	32.4	1.9	17.9	-33.3	-33.3	87	935	935		
GRNVLBIN	8/29/2013 17:40	44.7	32	1.6	21.7	-33.2	-33.1	88	975	975		
GRNVLBIN	8/30/2013 6:52	45	33.2	1.4	20.4	-34.2	-33.4	86	946	946		
GRNVLBIN	8/30/2013 13:18	42.8	32.5	1.8	22.9	-33.3	-33.4	88	972	972		
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		
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		

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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
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
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
GRNVLBOT	6/4/2013 7:56	45.6	31	1.5	21.9	5	4.3	92	287	287		
GRNVLBOT	6/4/2013 17:57	43.9	31.2	1.7	23.2	5.1	4.9	102	770	770		
GRNVLBOT	6/5/2013 7:40	44.1	31.7	1.6	22.6	5	4.8	91	713	713		
GRNVLBOT	6/5/2013 15:48	45.6	31.6	1.3	21.5	5	5.1	106	795	795		
GRNVLBOT	6/12/2013 13:33	48.1	34.5	1	16.4	6.3	5.8	109	740	740		
GRNVLBOT	6/12/2013 18:03	49.6	33.5	0.9	16	5.2	5.2	105	756	756		
GRNVLBOT	6/19/2013 9:32	46.2	32.4	1.5	19.9	-25.1	-25.4	78	708	708		
GRNVLBOT	6/26/2013 12:43	47.9	32.2	1.3	18.6	-21.7	-21.9	82	672	672		
GRNVLBOT	6/26/2013 17:23	48	34.1	1.2	16.7	-18.3	-18.3	83	612	612		
GRNVLBOT	6/27/2013 7:45	48.7	33.6	1.3	16.4	-19	-18.7	80	660	660		
GRNVLBOT	6/27/2013 17:08	49.1	34.2	1	15.7	-19.6	-19.7	83	691	691		
GRNVLBOT	7/1/2013 14:41	49.4	32.7	1.4	16.5	-21.2	-21.5	85	653	653		
GRNVLBOT	7/9/2013 12:50	49.9	33.6	1	15.5	-21	-21	91	643	643		

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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	7/9/2013 18:18	49.3	34.1	0.9	15.7	-18.8	-18.7	85	642	642		
GRNVLBOT	7/10/2013 8:31	49.5	33.6	0.8	16.1	-18.8	-18.9	83	630	630		
GRNVLBOT	7/10/2013 16:28	52.2	33.6	0.7	13.5	-18	-18.1	85	632	632		
GRNVLBOT	7/15/2013 11:46	49.8	33.1	1	16.1	-20.1	-20	89	636	636		
GRNVLBOT	7/15/2013 15:22	50.4	32.5	1.3	15.8	-34.5	-34.3	92	1349	1349		
GRNVLBOT	7/24/2013 6:37	50.7	34.2	1.1	14	-13.7	-13.7	85	475	475		
GRNVLBOT	7/24/2013 16:35	49.9	33.9	1.3	14.9	-15.9	-15.9	88	642	642		
GRNVLBOT	7/25/2013 6:26	54.3	34.1	1.3	10.3	-15.9	-15.8	84	619	619		
GRNVLBOT	7/25/2013 10:32	48.8	33.5	1.2	16.5	-15.8	-15.5	89	619	619		
GRNVLBOT	7/30/2013 8:58	50.3	32.7	1.9	15.1	-16.3	-16.4	79	613	613		
GRNVLBOT	8/6/2013 13:02	46.8	32.7	1.6	18.9	-18.9	-19	91	735	735		
GRNVLBOT	8/6/2013 17:08	49.9	33.8	0.8	15.5	-18.4	-18.4	87	663	663		
GRNVLBOT	8/7/2013 11:27	49.1	33.8	1	16.1	-20.9	-21	87	751	751		
GRNVLBOT	8/7/2013 16:33	48.1	33.4	1	17.5	-16.1	-16.2	87	668	668		
GRNVLBOT	8/12/2013 12:33	52.1	33.8	1.1	13	-16	-16	87	666	666		
GRNVLBOT	8/20/2013 9:24	48.1	32.9	1.5	17.5	-43.2	-43.7	85	1490	1490		
GRNVLBOT	8/22/2013 13:33	47.5	33.8	1.3	17.4	5.1	5.1	109	703	703		
GRNVLBOT	8/22/2013 17:05	49.1	33.3	1.4	16.2	5.2	5.2	112	768	768		
GRNVLBOT	8/23/2013 6:39	46.5	33.2	1.4	18.9	5.3	5.3	104	709	709		
GRNVLBOT	8/23/2013 12:24	50.2	33.2	1.4	15.2	5.4	5.3	109	800	800		
GRNVLBOT	8/28/2013 8:18	44.3	32.3	1.3	22.1	-42.1	-42	87	1496	1496		
GRNVLBOT	8/28/2013 10:58	43.6	31.7	1.5	23.2	-46.7	-46.5	87	1493	1493		
GRNVLBOT	8/29/2013 8:12	48.3	32.6	1.8	17.3	4.8	5.1	103	745	745		
GRNVLBOT	8/29/2013 17:43	47.2	33	1.1	18.7	5	5.1	110	843	843		
GRNVLBOT	8/30/2013 6:55	45.5	33.3	1.4	19.8	4.8	4.8	103	791	791		
GRNVLBOT	8/30/2013 13:20	43.4	32.5	1.8	22.3	5.2	5	109	801	801		
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		

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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	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		
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
Flare 1	6/4/2013 8:04	45.8	31.4	1.6	21.2	0	0	85	418	418		94659376
Flare 1	6/12/2013 18:08	48.7	33	0.8	17.5	0.4	0.3	105	222	222		94686360
Flare 1	8/22/2013 13:38	48	33.6	1.2	17.2	0.8	0.8	108	351	351		94955088
Flare 1	8/29/2013 8:20	48.2	32	1.9	17.9	0.3	0.3	95	190	190		95785040

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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
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
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
Plant 1	6/4/2013 7:58	45.6	31.3	1.2	21.9	4.7	4.2	95	287	287		45284387
Plant 1	6/5/2013 7:42	44	31.6	1.5	22.9	5.2	5.3	93	713	713		45284387
Plant 1	6/12/2013 13:36	48.7	34.3	0.8	16.2	6.5	4.9	110	740	740		53760238
Plant 1	6/19/2013 9:34	46.5	32.5	1.3	19.7	-25.3	-25.3	79	708	708		61367361
Plant 1	6/26/2013 12:48	47.6	32.5	1.1	18.8	-21.4	-22	82	672	672		68731153
Plant 1	7/1/2013 14:45	48.2	41.3	1.2	9.3	-21.7	-20.8	85	653	653		73343127
Plant 1	7/9/2013 12:52	50.2	33.7	0.8	15.3	-20.9	-20.8	89	643	643		82760014
Plant 1	7/15/2013 11:48	50.3	33.5	1	15.2	-20.1	-20.3	89	636	636		88975105
Plant 1	7/24/2013 16:36	49.9	34.3	1.2	14.6	-15.9	-15.9	88	642	642		98571035
Plant 1	7/30/2013 9:02	50.8	33.2	1.6	14.4	-16.2	-16.3	79	613	613		103257649
Plant 1	8/6/2013 13:04	47.6	33	1.3	18.1	-19.1	-18.9	94	735	735		114454756
Plant 1	8/12/2013 12:34	52.2	34	1.1	12.7	-16	-16	87	666	666		120249431
Plant 1	8/20/2013 9:26	48.1	33.6	1.2	17.1	-44.9	-43.9	86	1490	1490		130701471
Plant 1	8/29/2013 8:15	48	32.3	1.7	18	4.9	5.2	103	745	745		142452059
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

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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
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